

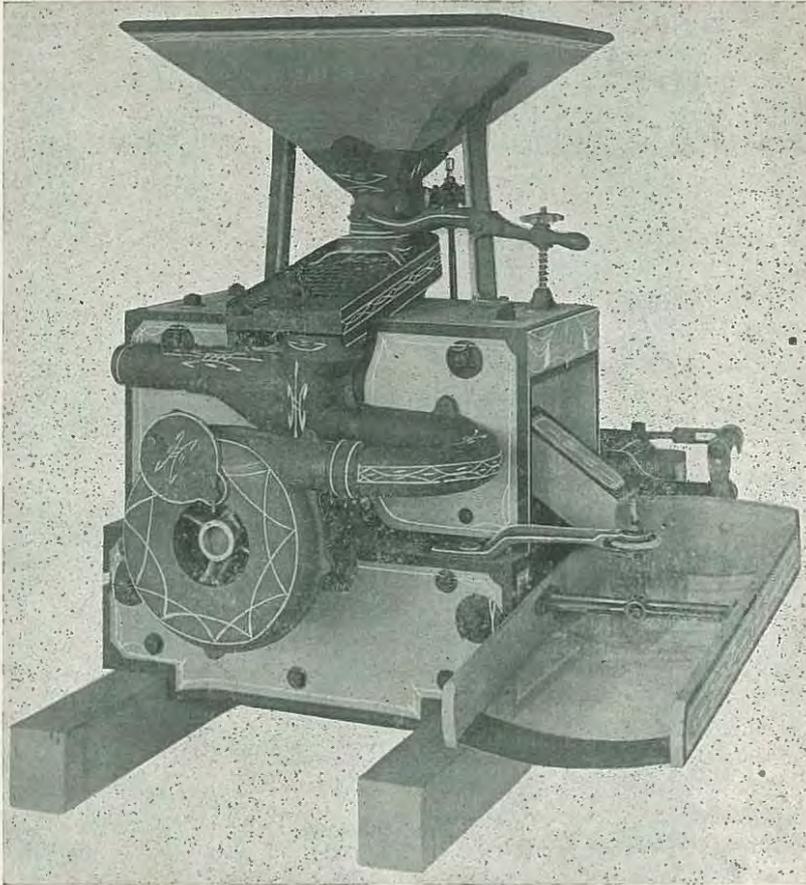
NEW WILLIAMS BURR MILL

The Corn King

**The Mill That Has Set a New Pace In
Table Meal and Feed Grinding**

CATALOG No. 3

**MANUFACTURED BY
NEW WILLIAMS MILL CO., Inc.
NORTH WILKESBORO, N. C.**



GRAIN END VIEW of The NEW WILLIAMS MILL
Showing Grain Feed, Double Screen Shoe Cleaner, Fan Blower and Meal Bolter.

SAFETY ADJUSTMENTS, REVERSE LOCK LEVER.

The adjustment or burr regulator, which governs the position of the runner burr, and controls the fineness of the meal to an exact degree, is a new and elaborate feature, one of the most valuable and advanced ideas ever embodied in a burr mill. This feature is exclusive with the New Williams, and is not to be found on a mill of any other make, for patents have been applied for. It is not an attachment, but is built in the mill proper, and the purpose to the mill is the same as the purpose of the safety or pop valve to a steam boiler. The device is strong and well made, and is attached or secured to a large flange, cast on the yoke frame at the thrust end of the mill, and has a hollow casting or bracket bolted to the flange after same has been machined and carefully fitted. This chamber is bored and reamed through the center to within 1 1-2 inches of the outer end, the proper size to accommodate the BALL BEARINGS, and the follow block. Then the outer end is drilled and threaded to a standard of 1 inch, and is fitted with a chased steel thrust screw for advancing or receding the runner burr. On the thrust screw is attached, by means of a set screw, a strong finger, or pointer to indicate the distance the burrs stand apart. The thrust screw passes through the REVERSE LOCK LEVER, which works

against the machined thrust end of frame. When the runner burr has been regulated as desired by means of thrust screw, the mill can be RIGIDLY AND ABSOLUTELY LOCKED, by turning the lock lever in reverse direction from the pointer. When mill is thus locked there is no possible chance for it to jar apart while in operation, or to run closer together to deface the burrs. Thus when mill is locked you will continue to get the same grade of meal until mill is unlocked and burrs set at a different distance apart. The runner burr absolutely cannot be thrust against the stationary burr with enough force to cause damage. There are two devices which prevent this. First an adjustable steel spring secured on the main shaft between a collar and a spring housing allows the runner burr to be thrust only so far. Second an adjustable set screw on dial figure catches the pointer at a certain place, beyond which it would not be safe to thrust runner burr. Thus on New Williams the miller is secured and insured by simple, strong, and positive safety attachments, against damage to face of burrs, and against mill drifting apart while in operation. This feature in itself is enough to fully sustain our claims to superiority. It is a feature that any experienced miller will praise and appreciate.

BALL BEARINGS.

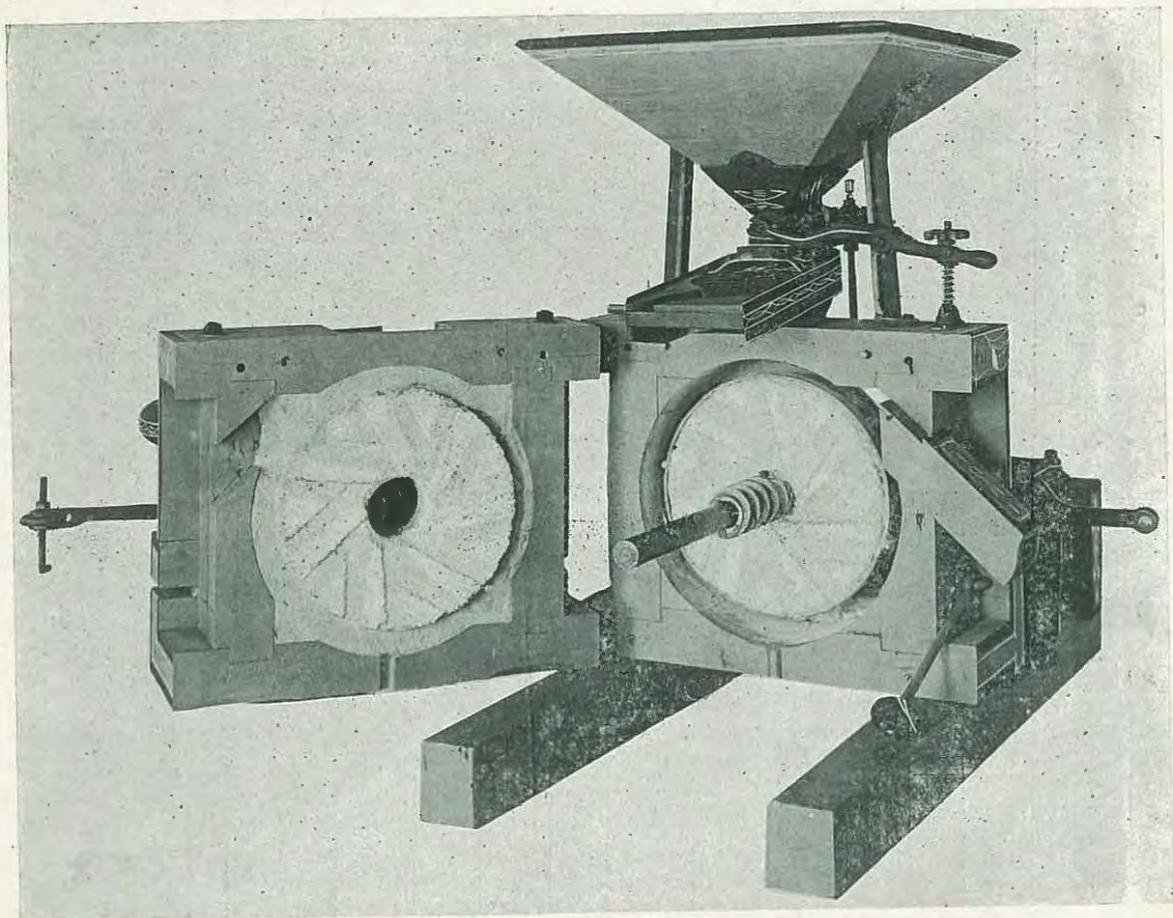
All New Williams Mills are fitted with especially made ball bearings which are the very best to be had. These balls are of tool steel made to exact sizes, and the ball races also are made of carbon toolsteel, and are tempered, then ground, and one of the races is ground slightly under size to allow free rotation while mill is running. The ball sets are retained in a chamber running in a bath of oil, and are placed directly against the main shaft, and between the follow block and the thrust screw, which regulates mill. This superior construction eliminates all friction, and tendency to heat while mill is grinding at full capacity, and is one of the things which makes the New Williams run so lightly.

MEAL BOLTER.

The bolter which is a special and new design, has valuable and distinct improvements over all other bolters yet produced. It is attached to the mill proper, and is driven by the action of an eccentric on the main shaft, with no belts or gears to get out of fix. This bolter is a well designed, light frame, carrying the proper length and width of suitable galvanized wire cloth, and is mounted in hanger bearing directly under the meal spout as shown in cuts, and the semi-rotating action which vibrates the sifter is obtained by the use of a steel eccentric rod, hinged with steel taper bolts to the driving eccentric on main shaft, and which is adjustable to allow for the proper vibration to effect the bolting at the different speeds at which different size mills must be driven. This eccentric rod is hooked over the crank end of bolter and can be detached instantly with naked hands without use of tools. The bolter can be detached or replaced instantly while mill is at full speed, without the slightest danger or inconvenience. The bolter is round on bottom to give more capacity, and is regularly fitted with 16 mesh wire cloth, unless otherwise ordered. The bolter will do first class meal separating, runs noiselessly, has no jerk or back lash, is positive driven, and as it is centrally hung, and balanced, it requires a minimum amount of power to operate it.

MAIN SHAFT.

The main shafts of the New Williams Burr Mills, are made of the best specially turned and ground shafting on the market. Each shaft is carefully machined to fit before going into a mill. The shafts are much larger than are commonly used in burr mills; (for diameters see specifications on last page). This fact is worth much consideration, as the value of the mill depends much on the strength and trueness of the main shaft.



Section View, Showing Inner Construction and easy manner of opening the New Williams Mill.
Virginia Pebble Burrs Furrowed Correctly

BEARINGS, CASTIRON FRAME ETC.

The bearings of the New Williams Mills are of the latest modern pattern with greater bearing surface and better lubrication system than on other similar makes of mills. The main shaft rests in three well proportioned, high speed, anti-friction lined bearings, two of which are on the pulley side of frame, which insures the main shaft retaining its perfect alignment in the most severe tests. The two bearings thus located are made in an extra heavy castiron rectangular frame which is fitted and securely bolted to the heavy pillow blocks that form a part of the mill body, with 5-8 steel bolts, passing through the sills and risers, and also passing above the frame, and tightened with standard hexagon nuts, making the most secure and rigid combination of frame bearings that can be secured. The castiron frame used by us is heavier than the frame used on other mills of this class, but the extra strength, and rigidity that it adds to the mill, justifies the extra cost.

WHAT THE NEW WILLIAMS MILLS WILL DO.

Every mill before leaving the factory is carefully tested by grinding a sufficient amount of corn through it to prove that it is perfectly true and that it will make meal of an extra degree of fineness, that will please the most fastidious. Therefore

we will guarantee the New Williams Mills to make the finest, and most choice bread meal, and do so as quickly, and with as small an outlay of power, as any mill in the world having the same size burrs, regardless of cost. Besides making superior bread meal the New Williams Mills will grind all kinds of small grain, such as wheat, oats, rye, barley, buckwheat etc. They will make a most excellent quality of graham flour, the most nutritious and healthful flour known to humanity. They will equal the work of any mill in existence regardless of price or pattern. The old top runner mills in their most perfect adjustment are but crude machines in comparison with the New Williams Improved Portable Burr Mills. We will absolutely guarantee the latter to far surpass the former in every phase of grinding, both as to quality and quantity.

The New Williams is built for efficiency, durability, and simplicity, and is suited for every milling requirement, from the biggest roller mill plants to the smallest farm and family work. IT CAN BE TAKEN APART TO RE-SHARPEN BURRS IN TWO TO THREE MINUTES BY ONE MAN, as only a few connecting bolts have to be removed, and none of the attachments whatsoever need to be disturbed, a fact that is true only of the New Williams Mills.

On a New Williams you will find, besides the fundamentals that make any mill a good one--namely: first class burrs properly furrowed and dressed--every convenience, every superior attachment and every handy arrangement, known to science and invention, in the mill field. Withal a mill approaching as near unto perfection as human skill has yet devised, and one which everyone who sees it, admits to be an unqualified success.

**Sizes, Specifications, Capacities, Horse Power Required, and Prices of the
NEW WILLIAMS IMPROVED, PORTABLE, BREAD AND FEED MILLS.**

(Completely Equipped)

SIZE	Weight	Speed	CAPACITY PER HOUR		Horse Power	Size Pulley	SIZE OVER ALL			Size of Shaft	PRICE
			Table M.	Feed M.			Length	Width	Height		
No. 1-14"	780	800	5 to 7	6 to 10	4 to 8	10x6	5'-4"	3'-3"	3-10"	1 7-16	\$110.00
No. 2-16"	870	760	6 to 8	7 to 11	6 to 8	12x6	5'-4"	3'-8"	4'-1"	1 11-16	125.00
No. 3-18"	1030	730	7 to 9	8 to 12	6 to 8	12x6	5'-6"	3-10"	4'-5"	1 11-16	135.00
No. 4-20"	1160	700	8 to 10	9 to 15	6 to 10	12x6	5'-6"	4'-0"	4'-8"	1 11-16	155.00
No. 5-22"	1260	650	8 to 12	10 to 15	6 to 10	14x6	5'-9"	4'-2"	4-11"	1 15-16	170.00
No. 6-24"	1360	625	10 to 15	12 to 18	8 to 12	14x6	5'-9"	4'-4"	5'-1"	1 15-16	198.00
No. 7-26"	1640	600	10 to 20	15 to 25	10 to 15	16x8	5'-10"	4'-6"	5'-3"	1 15-16	220.00
No. 8-30"	1935	500	16 to 25	20 to 40	12 to 18	16x8	6'-0"	5'-0"	5'-6"	1 15-16	260.00

Instructions for operating, and re-sharpening the New Williams Mills, together with repair parts list, will be found fastened in the hopper of every mill shipped by us.

OUR GUARANTEE.

We hereby guarantee every New Williams Mill to be made out of the best material obtainable, and to perform the work which we herein represent them to do, in a satisfactory manner, and that any part which may be broken, or fails to do its work properly on account of defects, or improper workmanship, will be replaced free of charge F. O. B. our factory, for one year after date of sale.

NEW WILLIAMS MILL CO., Inc.

North Wilkesboro, North Carolina.

Below we print for your inspection a few of the many testimonials received by us, relative to the merits of New Williams Mills:

Blacksburg, S. C., March 19th, 1917.

New Williams Mill Co., North Wilkesboro, N. C.

Gentlemen:—The 26 inch New Williams Mill we purchased from you recently has made good. While we run with a 20 H. P. Motor, and have more power than necessary, the cost is from one-half to three-quarters of a K. W. per bushel. This makes all records in this country for low cost of operating a corn mill.

From the start our customers were very much pleased with the high quality of meal we make, and a number of old millers have recommended the mill to their friends, and have become enthusiastic customers.

The public endorse it, mechanics admire it, and we are pleased with it. Yours very truly,
GOLDS ELECTRIC MILLING CO.

Staffordsville, Ky., March 24th, 1917.

New Williams Mill Co., North Wilkesboro, N. C.

Gentlemen:—In regard to the 22 inch Burr mill bought of you last fall, wish to say that we are more than pleased with it. We have had experience with several other kinds of Grist Mills, but we find the New Williams the best we have ever seen, and we heartily recommend it to any one wanting to purchase a first class mill.

Wishing you great success, we remain,

Yours very truly,
J. M. & B. H. CONLEY, By B. H. Conley.

Opelika, Ala., March 21st, 1917.

New Williams Mill Co., North Wilkesboro, N. C.

Gentlemen: For several years I operated an old style top runner corn mill thinking there was no other way to make good table meal. On account of the small output, and the large cost for power I quit the mill business as I thought for ever. Sometime ago I was persuaded to buy one of your 26 inch Mills. I have tried it out thoroughly, and take pleasure in stating I believe it will grind more and better meal with less power than any mill in the world. It positively does not heat the meal, and this advantage alone would make it the peer of all others.

I will take pleasure in demonstrating my mill to any one, will also take pleasure in replying to any inquiries. With best wishes, I am,

Most respectfully,
J. LEM SATTERWHITE.

Philipp, Miss., March 18th, 1917.

New Williams Mill Co., North Wilkesboro, N. C.

Gentlemen:—It gives me pleasure to take this opportunity to express my opinion of the New Williams Mill which I had installed Dec. 1st, 1916. I find it to be a high class mill. It has proven to be highly satisfactory in every respect. All of the patrons of the mill are highly pleased with the excellent grade of meal that it turns out. In fact some of its patrons pass other mills so as to get a "superior grade" of meal.

I consider the purchase of this mill to be the best investment I have ever made.

Yours truly, E. F. McLELLAN.

Jasper Fla. April 4th, 1917.

New Williams Mill Co., North Wilkesboro, N. C.

Dear Sirs:—I received the 26 inch Mill I bought of you in good condition. It is one of the best mills I ever saw. It will do all you said it to do, and then some. It has drawn customers for miles, and almost shut down adjoining mills around me. It has never been out of fix a minute since I bought it, and it is one of the most complete machines I ever saw.

Yours truly,
W. A. McCALL.

Orangeburg, S. C., April 9th, 1917.

New Williams Mill Co., North Wilkesboro, N. C.

Dear Sirs:—It affords me great pleasure to let you know that the 30 inch Burr Mill I bought through your salesman Mr. Reed (Salesman for Liddell Co., Charlotte, N. C.) is the best I have ever operated. My customers all give it the highest praise, for its cool grinding. I have operated several different kinds of mills, but without a doubt this is the best. I grind grits, and wheat on it with much satisfaction, and I would say that it would pay anyone who is in need of a first class mill, to purchase a New Williams.

Respectfully,
H. VON OSHEN, Jr.

Double Springs, Ala., R. F. D. No. 2, Jan. 25th, 1917.

New Williams Mill Co., North Wilkesboro, N. C.

Gentlemen:—I have just got my mill up that I bought of you, and it is certainly all right. Does good work, and is the best mill that I ever had anything to do with. I can not recommend it too highly.

Yours Respectfully,
A. F. TAYLOR.

SMITH SEED & FEED CO., Inc.

Implement Department

Danville, Va., March 30th, 1917.

New Williams Mill Co., North Wilkesboro, N. C.

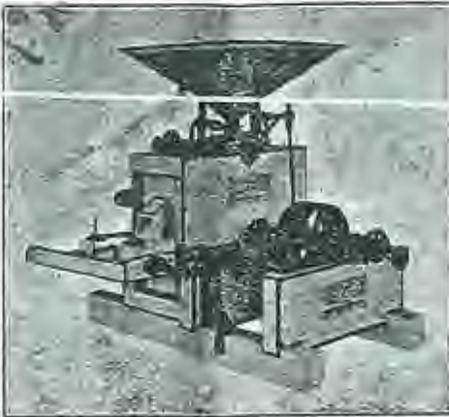
Dear Sirs:—During the past two years we have placed a great many of your mills in our territory around Danville.

It gives us pleasure to state that we have never handled a product of any factory that gave more universal satisfaction to the user. If we have a single dissatisfied customer for one of these mills we don't know of it, and on the contrary they all are highly pleased, and wouldn't part with them for any reasonable consideration.

They are simple and durably constructed, light running, and will make a grade of meal that will more than satisfy the demands of the most discriminating.

We unhesitatingly recommend the New Williams Mill, as it is far superior to any other we have ever seen.

Yours very truly,
SMITH SEED & FEED CO.,
By. H. W. Smith, Sec. & Treas.



AGENTS FOR STOCKS OF MACHINERY AND FARMERS, MOTOR VEHICLES, BELTING
 WRAPPING, PULLEYS, SAWS, MACHINE OILS, JOB WORK, SPECIAL REPAIRS AND REEQUIPPING

NEW WILLIAMS MILL CO.

INCORPORATED

MANUFACTURERS OF THE

NEW WILLIAMS BURR MILLS

DEALERS IN NEW AND REBUILT MACHINERY
 OF EVERY DESCRIPTION

Phone 121

NORTH WILKESBORO, N. C.

Instructions for setting and caring for the NEW WILLIAMS BURR MILLS,

1 st the Mill should be set level on a solid place, and not resting on timbers placed crosswise, but the sills should in all cases rest the entire length on a smooth solid floor. its best to have the Mill set about 12 to 20" above the level where meal box is to be located, this this will give greater room under the meal spout for handling the meal.

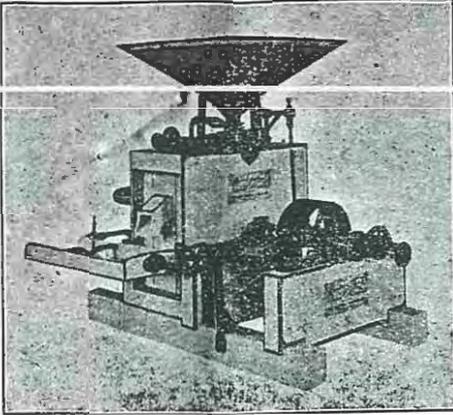
2 nd Place the Mill in perfect alignment with the driveing pulley which is do drive the mill, then nail a strong cleat of wood at back side of mill allowing the mill to rest against this cleat full length of sills, so the pull of belt will not interfere with the alignment of the mill. no other fastening is necessary unless the driveing pulley is above, then the mill should be securely bolted to the floor.

3 rd, when belt is on oil the bearings well, then see that the adjusting hand wheel at right hand end of mill will turn to where the hand or stopping lever will strike the set screw before the burrs will touch each other, this can be determed by turning the pulley by hand and should the meal be to coarse at first then loosen the bolt that holds the hand to the thrust screw, then turn very carefully to the right untill the meal is to the proper fineness, then retighten the bolt so as to make the hand tight again, afterwards the mill can be set up by anyone without any care whatever, and the burrs will not touch or injure each other, providing that the adjustment has been properly made. as above instructions.

4 th, from time to time the bearings must be oiled and adjusted to keep them in proper working order, the vibrating shoe, and pit rods, has tapered steel bolts which can be tightened to take up the wear, by turning them to the right and then locking them with lock nutt,

5th, when the burrs becomes dulled and begins to run hard and heat the meal, the mill must be resharpened, this is very easily done, by taking the mill apart at center, by loosening the two swinging out bolts near the bottom, then take out the two upper bolts which holds the top of frame together, then loosen the set screw in fan in the mettal fan case, so that the fan will come off the shaft, this is all that holds the sections together they then can be pulled apart by hand, if very hard to start the use of a wooden lever and a short block used at each end of frame will readily start the Mill to open.

AGENTS FOR FRICK LINE OF MACHINERY AND FAIRBANKS, MORSE GASOLINE ENGINES. BELTING
SHAFTING, PULLEYS, SAWS, MACHINE OILS. JOB WORK, SPECIAL REPAIRS AND EXCHANGING



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Phone 121

NORTH WILKESBORO, N. C.

the removable section of the mill can be removed to any suitable distance then turned upon the mettal fan which will support the weight of same and makes a convenient position to pick or sharpen the stones.

The larger section of mill can be readily dressed as it sets on the floor, or can be raised and will stand on end with the burr upwards which is better to work around than to remain with sills on floor.

To proceed with the dressing is is necessary to have good mill picks, about two or more, then with light blows proceed to cut off the glazed surfaces being very carefull to remove only the smallest amount possable to make the burrs sharp or rough, like a mill file, teeth as near as possable. dont cut lower at one place than another, but cut lightly all over the surface of stones, on the lands, also in the furrows, the smallest cutting to get the glaze off is best. then clean the bearings on the removed section of grit and dust, place the mill together as before, be sure to look after the fan which must be placed on the shaft as the mill is coming together, then see the bolts is tightened snugly but not too unreasonably tight, this will be all that is required to make the mill work as good or better than when new, if proper care is given the mill once to twice a year will be all that is necessary to sharpen the larger Mills. but if the burrs is allowed to drive together then it will take sharpening more ofter, this is up to the operator, the mill cannot be forced together if the safety adjustment is properly set and kept in order as directed,

Picks of the very best grade can be supplied from our factory as well as any repairs belonging to the NEW WILLIAMS BURR MILLS, prices on application,

NEW WILLIAMS MILL CO.

NORTH WILKESBORO, N. C.

Directions for Setting Up, Operating, and List of Repair Parts Applying to Corn King Mills

Supercedes All Repair Lists up to January 1st, 1920

New Williams Mill Co., Inc., North Wilkesboro, N. Car., U. S. A.

IMPORTANT. Before signing freight receipt for your mill see that no parts are broken or lost in shipping. Any loss or damage should be noted on freight receipt so that claim can be made to cover. The following parts are shipped fastened to mill. The meal spout is tacked to inside of hopper. The thrust screw and lock lever are wired to the eccentric rod. The sifter is wired to the inside of crate. The two sifter hangers are in place on frame of mill but turned to point inside to avoid breakage in shipping. When these four parts are put in place mill is ready for the belt.

PLACING THE MILL. If a sacking elevator is to be used, set the mill directly on the floor. If meal box, place the mill on timbers or low platform. Instead of bolting the sills of mill to the floor, it is better to nail a cleat to the floor on the power side of the mill with a wedge partly inserted between the cleat and mill sill at each end. The belt can then be tightened when necessary by driving in the wedges. Be sure the mill pulley is in line with the driving pulley. When possible place the mill about 15 feet from the power so the belt will not have to be kept too tight.

TO PLACE THRUST SCREW. Back the screw out of lever until the latter can be placed closely against the bearing head which receives the screw. The handle of lever should point about 45 degrees to the left of perpendicular (when operator is facing mill). Then run the thrust screw through the lever and into bearing head until it pushes against the ball bearing at end of shaft. When the grain is turned into mill by raising the cut off band, controlled by the feed wheel on top of mill casing, turn up the thrust screw until the meal is of the desired fineness, then push down the handle of lock lever. This locks the thrust screw in place and it cannot be moved until unlocked by raising the handle of lever.

The sifter is supported by the two hangers on the side of mill frame and is operated by a rod from the eccentric on shaft of mill. The hook on the end of this rod engages the crank of sifter head and can easily be connected or disconnected while mill is running. Two holes are provided for the crank in sifter head and a longer stroke is given by moving the crank into lower hole. The pitch of sifter is adjusted by raising or lowering the hook supporting it from the left hanger.

The grain cleaning shoe is also operated by a rod from eccentric. Both the shoe and sifter are adjusted to operate properly when the mill is running at the proper speed and one result of running the mill too slowly is that the shoe may not feed the grain to the mill fast enough or the sifter handle the meal. It will be well to be sure of this point before trying to change the adjustment of either. When the mill is shipped from the factory, the shoe is adjusted for grinding corn. To grind wheat or other small grain, loosen the nut on lower end of shoe and reverse the valve lever under the lower screen. The handle of this lever is reached by the finger through grain port in lower part of shoe. Both screens of shoe are lifted out for cleaning by removing nut above mentioned.

Before starting mill and frequently for the first few days run oil all bearings well. Every mill is adjusted and tested before leaving the factory and while bearings and working parts may run warm while new and stiff any undue heating shows that the proper adjustment has been changed and should be looked after. All bearings are provided with liners and may be easily adjusted by the cap screws. Keep all bearings evenly tightened to take up any lost motion due to wear. One shaft bearing tightened more than others may cause heating and also throw the stones out of line.

CARE OF BURRS

On account of the fact that the stones used in these mills need little sharpening many operators make the mistake of giving them no attention at all. It is much easier to give your stones a light dressing before they get badly than to wait until the furrows are nearly worn out and have to be entirely re-cut. If you find that the capacity of your mill is smaller than formerly, or that the meal or flour is heating, examine the burrs. To open the mill, remove the two bolts through upper part of case, loosen nuts on hinge bolts at lower part, loosen set screw in fan pulley and slide the half of mill on fan end back on the sills. If you have a warehouse truck, run it between sills of mill at fan end, place lip of truck under that half of casing, bear down on handles of truck enough to take most of weight of the half of mill casing from the sills and pull back. When the end of mill shaft passes through the bearings, the half of mill may be laid down flat on the truck, which is the proper position for dressing the bed stone. Leave the runner stone in place in the other half of mill and turn it up on end, resting on the ends of sills and the thrust screw. This leaves the runner stone horizontal with the face up for dressing. On account of the hardness of these stones few picks will cut them and it is well for every mill owner to provide himself with a pair of the hand tempered picks we make especially for this purpose.

DRESSING. Go over the entire surface of both stones with short, even, tapping strokes of the pick, with the cut of each stroke pointing toward the center of the stone. The closer the cuts are together, the finer the dress. A fine dress is better for grinding flour and fine meal, a coarse dress will grind faster but not so finely. Remember that no part of the surface of stone should be rounded. Each flat land or grinding surface drops square off to the bottom of the next furrow, the furrow slopes up in straight line to a feather edge on the next land. The bottom of each furrow should be about 5-16 in. deep at the eye of stone and slope out to about 1-16 in. at the edge of stone. Deepening the furrow at the edge of stone will cause coarse meal to come from the mill. Always dress furrows as well as lands, being careful to keep the same draft and shape of both as originally laid off at the factory. We can not be responsible for the satisfactory service of mill when the draft or dressing of burrs is changed. In putting mill back together be sure that no meal or trash is lodged on sills to keep both halves from fitting closely together, also see that the bolts holding halves together are tightened evenly all around.

IF YOUR MILL GETS OUT OF ALIGNMENT—

When the mill is grinding fine meal the stones are only about the thickness of a sheet of paper apart, and if from any cause their faces are not perfectly parallel, it is evident that it will have a serious effect on proper grinding. If when lightly thrown together the stones touch with an uneven bumping sound instead of an even continuous rub, the stones are out of line.

The process of re-aligning the mill is the same as sharpening except that only the high part of stone is dressed off. Open the mill as for sharpening and paint the grinding surface of stones with any cold water paint (venetian red and water is good), then put mill together and run stones lightly together for a few minutes. When the mill is again opened the paint will be found to be rubbed off on the high part of stone and not on other part. Dress off where the paint is rubbed and repeat the process until the stones touch evenly all around. It is a very rare case for the runner stone to be out of line and therefore only the bed stone should be dressed off. Outside of rough handling in shipping there are few causes for the above trouble. If a mill stands idle for some time in a very hot and damp place, the small amount of meal left from last grinding may swell by absorbing moisture from the air and so swell the timbers of lower part of mill casing. This can be avoided by cleaning out mill before leaving it idle for some time.

If there is any point in the operation of your mill about which you would like further information, the factory will be glad to fully answer your inquiries and to be of all possible help in seeing that this mill gives you the good service of which it is capable.

INSTRUCTIONS FOR ORDERING REPAIRS

Owing to the fact that from time to time changes and improvements are made in our mills, involving the change of a number of parts, it is very important that in ordering you always give the shop number of your mill, as well as the size or diameter of burrs. The shop number is found on the end of meal spout, on the end of case above meal spout and on the front of grain cleaning shoe. Give us this number, the size of mill and the number of the part wanted as listed in the following list, also the name of the part. If you do this we can send you the part at once instead of having to write you for further information.

All repairs are cash and orders must be accompanied by remittance to cover price. If parts are wanted sent by parcels post, include postage for the weights given, which include packing.

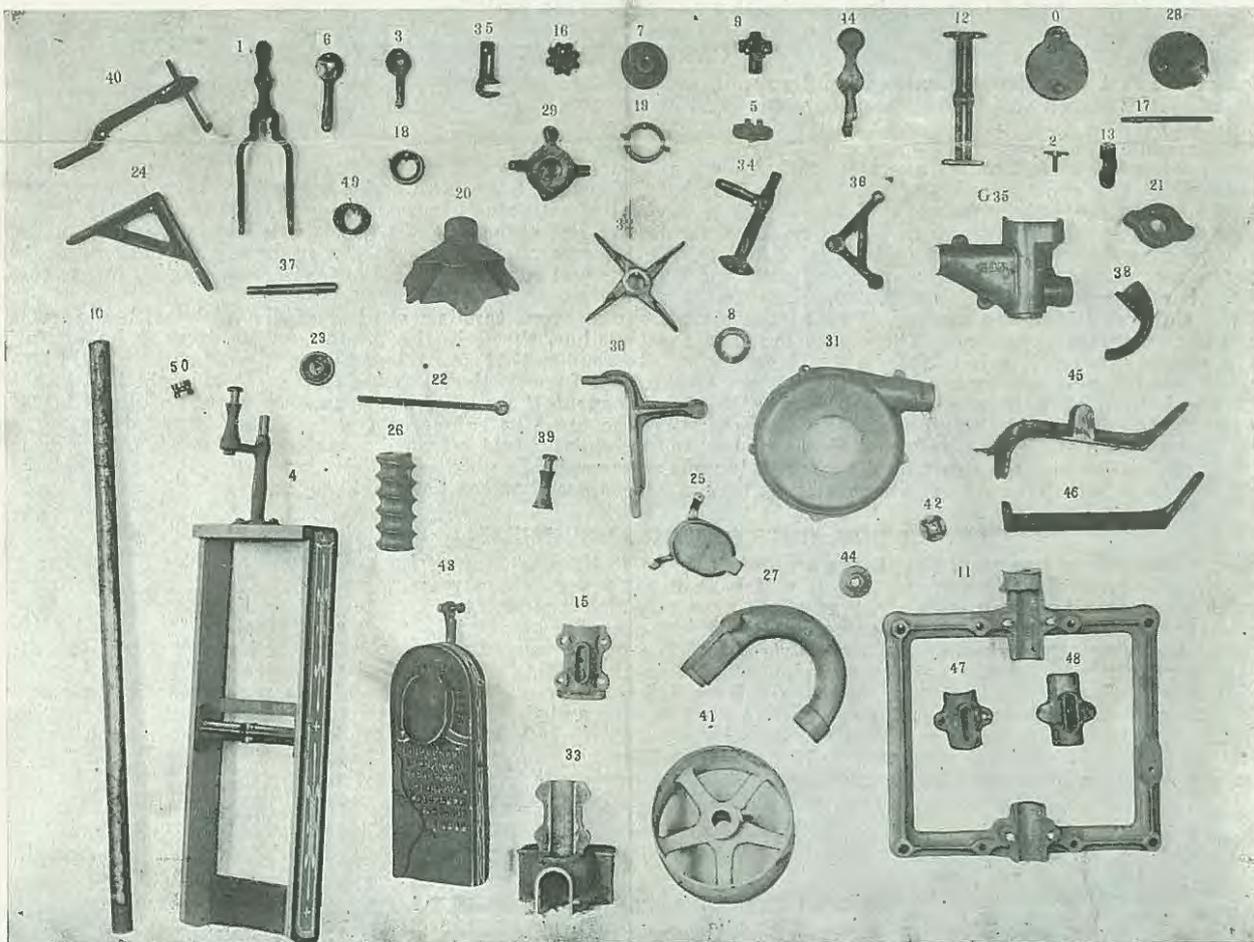
MEAL BAGS

We still have on hand a small quantity of 25 pound meal bags, made of heavy Security Craft fiber stock, attractively printed in red and green. As long as this supply lasts we can furnish these bags printed with your name and address in black at the old price of \$3.50 per hundred. The same bag without your name printed on it, \$3.00 per hundred. These prices are for shipment by express collect and postage must be included with remittance if wanted sent by parcel post.

(OVER)

REPAIR PARTS LIST

	Shipping Weight				Shipping Weight		
	14"	16, 18, 20"	22, 24, 26, 30"		14"	16, 18, 20"	22, 24, 26, 30"
A-O—Fan Door (on mills below No. 2175)	3 lbs.	\$.50	\$.50	30 Sifter Support	5 lbs.	2.00	2.00
N-O—Fan Door (on mills above No. 2175)	3 lbs.	.50	.50	31—Fan Case Complete (on mills below 2175)	45 lbs.	4.00	5.00
1—Feed Fork	5 lbs.	1.50	1.50	31-N—Fan Case (not illustrated) new type	20 lbs.	3.00	4.00
2—Fan Door Wing Bolt	1 lb.	.25	.25	32—Fan (on mills with fan on end of shaft)	6 lbs.	2.00	2.00
3—Thrust finger (used only on mills below No. 573)	2 lbs.	.50	.50	32-N—Fan (on mills having belt driven fan) not illustrated	5 lbs.	2.00	2.00
4—Sifter Complete	35 to 40 lbs.	5.00	6.00	33—Tail Box and Bearing (babbitted) 6, 8 and 12	12 lbs.	5.00	6.00
5—Oil Lid	1 lb.	.15	.15	34—Sifter Head Complete with Crank	7 lbs.	3.00	3.00
6—Lock Lever	2 lbs.	1.00	1.00	35—Sifter Hook for Eccentric Rod	2 lbs.	1.25	1.25
7—Thrust Wheel and Screw	4 lbs.	2.50	2.50	35-G—Grain Spout (on mills below 2175)	20 lbs.	4.00	5.00
8—Collar for Relief Spring	1 lb.	.50	.50	Grain Spout for new type mills—give size of mill only	4.00	5.00	6.00
9—Socket for ball of shoe vibrator (babbitted)	2 lbs.	1.50	1.50	36—Shoe Vibrator	4 lbs.	1.50	1.50
10—Shaft, turned and trued 35, 40 and 50 lbs.	4.00	5.00	6.00	37—Thrust Screw	2 lbs.	1.00	1.00
11—Cast Iron Frame, with bearings babbitted 75, 100 and 150 lbs.	14.50	17.00	20.00	38—Thrust Finger Plate (on mills below 573 only)	6	1.00	1.00
12—Sifter Base	4 lbs.	1.00	1.00	39—Crank for Sifter Head	3 lbs.	.75	.75
13—Feed Wheel Base (on mills below 1950 only)	1 lb.	.40	.40	40—Sifter Hanger Complete With Hook	5 lbs.	1.50	1.75
14—Shoe Iron	2 lb.	1.00	1.00	41—Pulley 20, 35 and 60 lbs.	7.00	9.00	12.00
15—Bearing Cap, fan end of shaft, 6, 7, and 8	lbs. 2.50	2.50	2.50	42—Washer for Clamp Bolt	1 lb.	.50	.75
16—Feed Wheel	1 lb.	.50	.50	43—Grain Cleaning Shoe Complete	25 lbs.	6.00	7.50
17—Feed Wheel Rod, threaded	1 lb.	.50	.50	44—Washer For Hinge Bolt	1 lb.	.50	.60
18—Spring Housing 2, 3 and 4 lbs.	.75	.85	1.00	45—Back Hopper Support	10 lbs.	3.50	3.50
19—Cut Off Band	2 lbs.	1.00	1.00	45-N—Back Hopper Support, new type, not illustrated	10 lbs.	3.50	3.50
20—Hopper Spout	10 lbs.	2.00	2.00	46—Side Hopper Support	5 lbs.	1.50	1.50
21—Drive Iron for Runner Stone	5 lbs.	2.00	2.00	47—Middle Bearing Cap, babbitted 5, 6 and 7	lbs. 2.50	2.75	3.00
22—Eccentric Rod	5 lbs.	.75	.75	48—Thrust End Bearing Cap, babbitted, 4, 5, 6	lbs. 2.50	2.75	3.00
23—Sifter Hanger Adjuster (only on mills below No. 500)	2 lbs.	.50	.50	49—Coil Relief Spring	1 lb.	.50	.75
24—Frame Brace	5 lbs.	1.50	2.25	50—Thrust Ball Bearing 1, 2 and 3	lbs. 3.00	3.50	4.00
25—Grain Receiver 3 to 4 lbs.	1.50	2.00	2.00	51—Feed Fork Stand (not illustrated)	4 lbs.	2.00	2.00
26—Feed Screw 4, 6 and 8 lbs.	2.50	2.75	3.00	52—Angle Bracket Supporting Shoe Vibrator (not illustrated)	6 lbs.	2.50	2.50
27—Return Bend (on mills below 2175 only)	18 lbs.	3.50	3.50	53—Dust Spout (not illustrated) 4, 5	lbs. 2.00	2.00	2.50
28—Thrust Head (on mills below No. 573 only)	8 lbs.	3.00	3.00	Hopper, painted and varnished, without spout	35 to 45 lbs.	5.00	5.50
29—Eccentric Complete	9 lbs.	4.50	5.00	Hopper Complete with spout attached, 40 to 50 lbs.	7.00	7.50	8.00



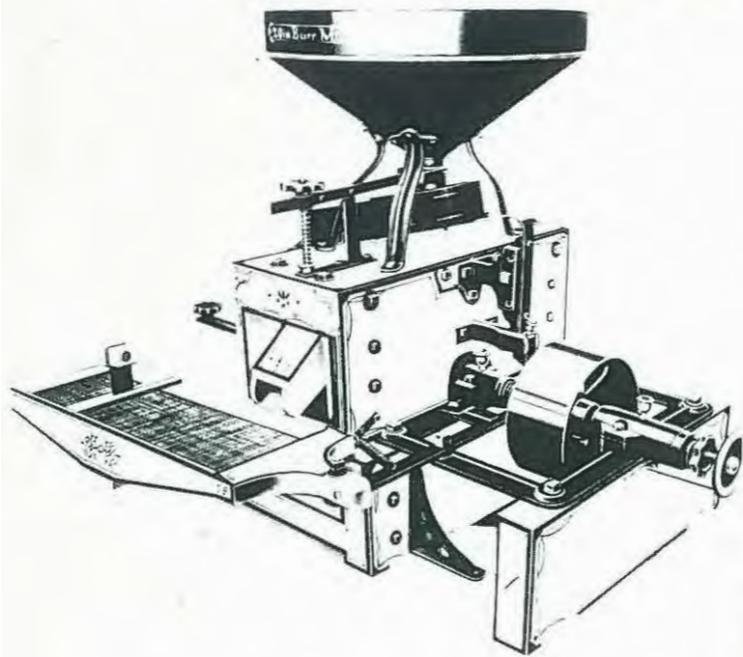
Mill picks, hand made of best tool steel, without handles, 3 lbs. \$3.00 each.
 Burrs, furrowed and dressed, with runner stone banded. Single stone one half the price per pair. If runner stone is wanted fixed on shaft, add the price of drive iron and shaft as given in above list.

Size of Stone	per pair	Standard White Flint	American Brushite Blue Pebble Stone	Size of Stone	per pair	Standard White Flint	American Brushite Blue Pebble Stone
14"	per pair	\$12.00	\$24.00	22"	per pair	18.00	36.00
16"	per pair	13.00	26.00	24"	per pair	20.00	40.00
18"	per pair	14.00	28.00	26"	per pair	22.00	45.00
20"	per pair	16.00	32.00	30"	per pair	25.00	50.00

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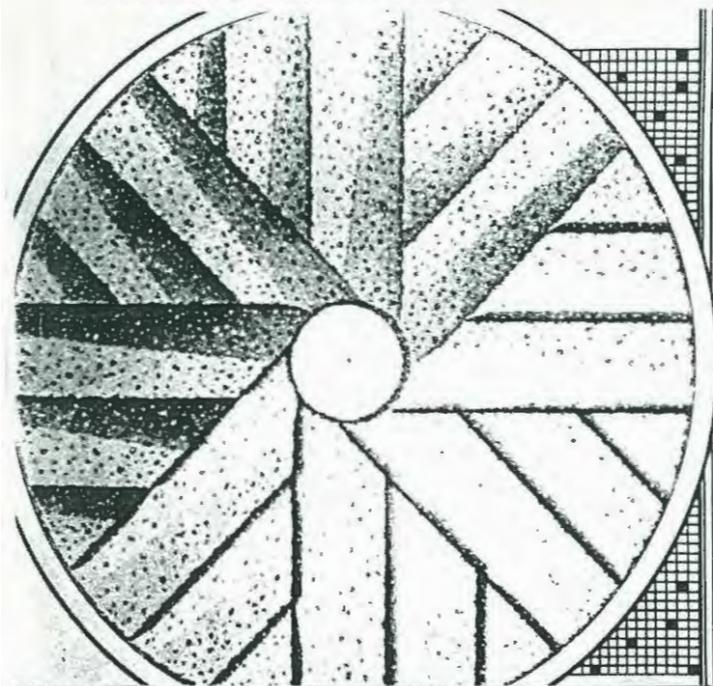
Stone Buhr Mills



Five sizes of Meadows mills were sold by International Harvester Company. The mill stones ranged from 12 to 30 inches in diameter, with a corresponding capacity of 4 to 20 bushels per hour. These capacities, given for wheat flour, were somewhat greater for corn meal and other coarse flour.

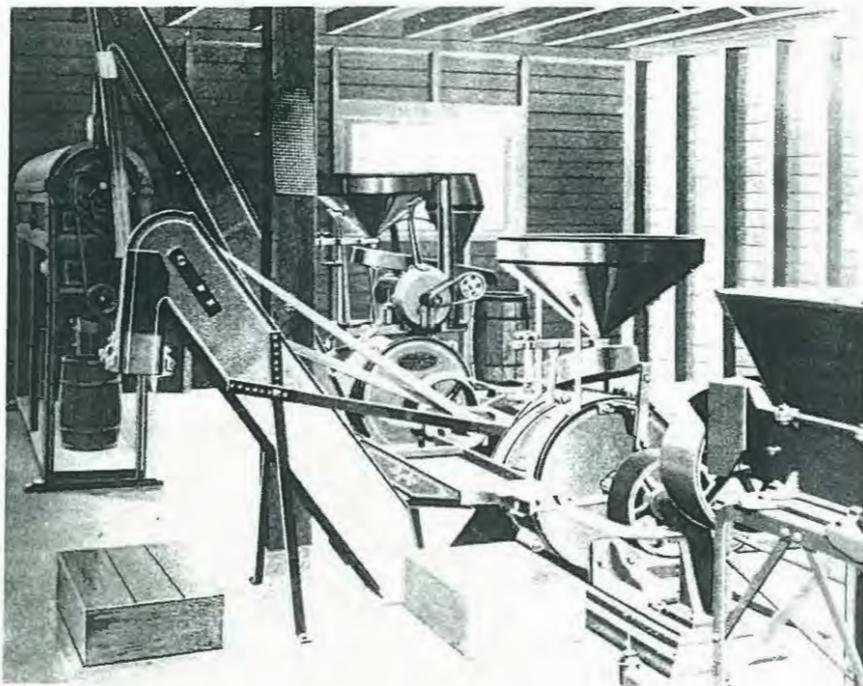
The Sterling mill shown here was also built by Meadows, but differed in design. The most obvious difference is the cast iron frame of the Sterling mill, compared to the massive wooden structure of the Meadows model. This retouched photograph from the IH Archives illustrates a commercial setup, using a pair of Sterling mills, plus a special grits bolter in the background. Various other machines and accessories complement this operation.

All stone mills did their work by feeding grain into the "eye" or center hole of the stationary stone. As the grain progressed between the stationary and revolving stones, it was forced through furrows cut into the stone with a certain pattern and symmetry. This illustration of the Meadows stone design was similar to many other makes, although each company and each miller had special ideas on the best way to dress a millstone.



For centuries, millstones have been used to grind flour. Water and wind power was harnessed extensively. These mills were usually of large size, and accommodated the milling needs of a large area. In the mid-1800's, smaller, self-contained flour mills appeared — many of these were powered by steam engines.

About 1915, International Harvester Company added a series of stone buhr mills to its already extensive line of farm equipment. For the next few years, IH marketed the Meadows mills, as built by the Meadows Mill Company of North Wilkesboro, North Carolina. With a declining demand, these mills were dropped from the line in the mid-1920's,



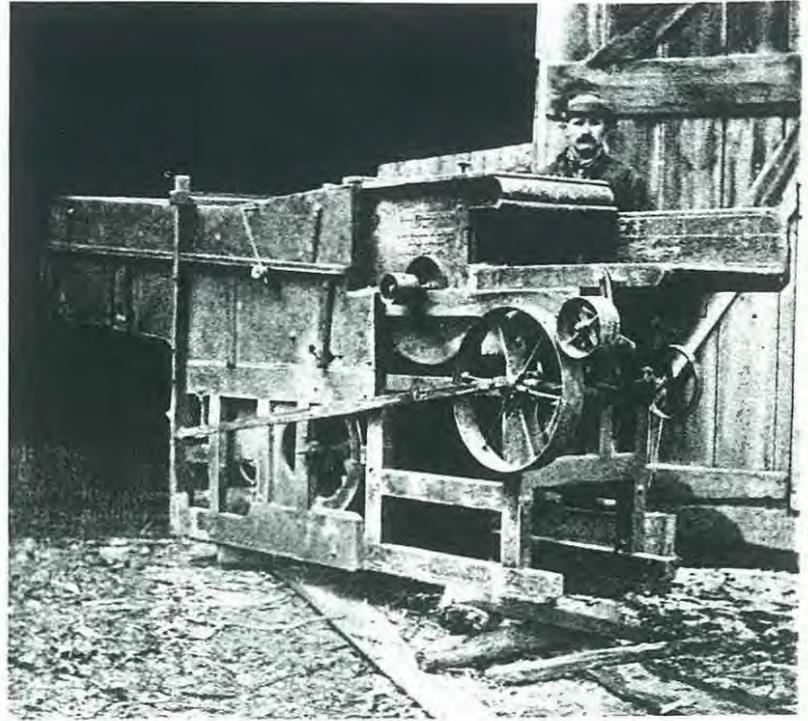
Meadows mills were widely used on farms, but also found extensive application in commercial milling establishments. Lineshaft drives were universally used at this time, with power coming from a single prime mover. Commercial mills used flour bolters and other cleaning devices not found on the usual farm setup.



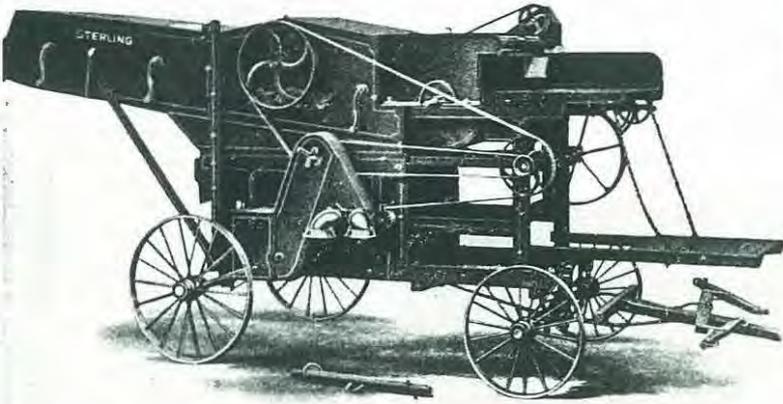
Threshing Machines

Although International Harvester Company and its predecessors had pioneered the harvesting of small grain, not one of the five merging companies entered the thresher business. Apparently each felt that harvesting was a specialty that precluded secondary processing equipment such as the thresher. Records indicate that International Harvester Company stayed out of the thresher business until 1909 when they began marketing the Belle City thresher.

A selling arrangement for the Buffalo-Pitts threshers began about 1913, continuing for several years. These machines were of wood construction, and produced until 1925. At that time, All-Steel McCormick-Deering threshers were introduced — these remained in the equipment line until 1956. During Harvester's years in the thresher business, many styles were built for general threshing use as well as for specific crops such as alfalfa, clover, and rice.

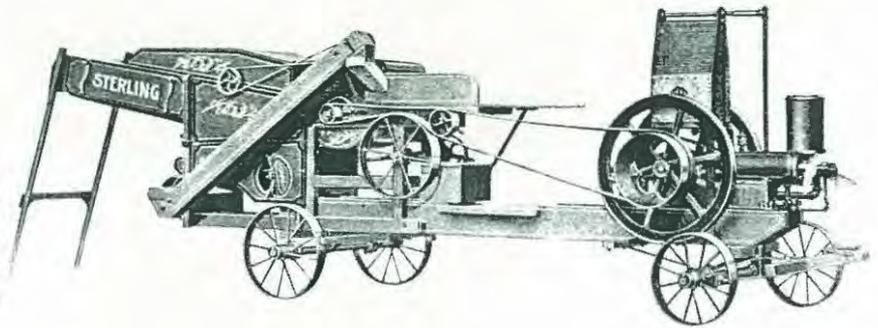


Dated 1911, this scene depicts a No. 3 Little Giant thresher owned by Elmer Bean of Lansdale, Pennsylvania. At the time, this machine had been used annually for 32 years, reaching back to 1879. In an accompanying letter, Mr. Bean stated that he had spent practically nothing for repairs during all those years, and added that he had threshed as much as 50 bushels per hour. The Little Giant thresher was built by Heebner & Sons of Lansdale, Pennsylvania. International Harvester Company began marketing this machine about 1909 as the Sterling thresher.

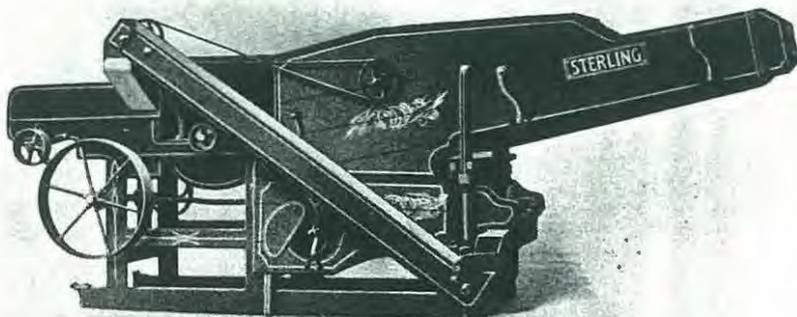


This Sterling No. 26 thresher is equipped with a low elevator and bagging spouts, and is shown here completely equipped, ready for operation. Being portable, it was easily moved, making it easy for several small farmers to band together in a "threshing ring." The Sterling was very simple, using few belts, and requiring little maintenance.

For 1911, Harvester offered this combination outfit of a Sterling thresher and IHC engine mounted on a common truck. This design was ideal for the small farmer who had no need for a big steam threshing rig. By owning this outfit he could thresh when he pleased, avoiding the wait for a custom operator. During the remainder of the year, the engine was available for other farm jobs.



A Sterling No. 21 Barn Floor thresher was also available. It was basically a stationary machine, and intended for threshing from barns. Many farmers shocked their grain, and after a suitable period it was hauled into the barn for further curing and storage, with threshing being done at a later date. Although this machine was lacking in some features over the big threshers, it nevertheless did a good job within its capacity. Two men were needed to cut bands and feed the machine, along with a grain bagger, and extra hands to remove the straw. Note the tailings elevator in the foreground.



Sterling

Directions for Setting Up, Operating, and List of Repair Parts Applying to American Corn Mills

Supersedes All Repair Lists up to January 1st, 1920

American Machinery Co., 97 South Forsyth St., Atlanta, Ga.

IMPORTANT. Before signing freight receipt for your mill see that no parts are broken or lost in shipping. Any loss or damage should be noted on freight receipt so that claim can be made to cover. The following parts are shipped fastened to mill. The meal spout is tacked to inside of hopper. The thrust screw and lock lever are wired to the eccentric rod. The sifter is wired to the inside of crate. The two sifter hangers are in place on frame of mill but turned to point inside to avoid breakage in shipping. When these four parts are put in place mill is ready for the belt.

PLACING THE MILL. If a sacking elevator is to be used, set the mill directly on the floor. If meal box, place the mill on timbers or low platform. Instead of bolting the sills of mill to the floor, it is better to nail a cleat to the floor on the power side of the mill with a wedge partly inserted between the cleat and mill sill at each end. The belt can then be tightened when necessary by driving in the wedges. Be sure the mill pulley is in line with the driving pulley. When possible place the mill about 15 feet from the power so the belt will not have to be kept too tight.

TO PLACE THRUST SCREW. Back the screw out of lever until the latter can be placed closely against the bearing head which receives the screw. The handle of lever should point about 45 degrees to the left of perpendicular (when operator is facing mill). Then run the thrust screw through the lever and into bearing head until it pushes against the ball bearing at end of shaft. When the grain is turned into mill by raising the cut off band, controlled by the feed wheel on top of mill casing, turn up the thrust screw until the meal is of the desired fineness, then push down the handle of lock lever. This locks the thrust screw in place and it cannot be moved until unlocked by raising the handle of lever.

The sifter is supported by the two hangers on the side of mill frame and is operated by a rod from the eccentric on shaft of mill. The hook on the end of this rod engages the crank of sifter head and can easily be connected or disconnected while mill is running. Two holes are provided for the crank in sifter head and a longer stroke is given by moving the crank into lower hole. The pitch of sifter is adjusted by raising or lowering the hook supporting it from the left hanger.

The grain cleaning shoe is also operated by a rod from eccentric. Both the shoe and sifter are adjusted to operate properly when the mill is running at the proper speed and one result of running the mill too slowly is that the shoe may not feed the grain to the mill fast enough or the sifter handle the meal. It will be well to be sure of this point before trying to change the adjustment of either. When the mill is shipped from the factory, the shoe is adjusted for grinding corn. To grind wheat or other small grain, loosen the nut on lower end of shoe and reverse the valve lever under the lower screen. The handle of this lever is reached by the finger through grain port in lower part of shoe. Both screens of shoe are lifted out for cleaning by removing nut above mentioned.

Before starting mill and frequently for the first few days run oil all bearings well. Every mill is adjusted and tested before leaving the factory and while bearings and working parts may run warm while new and stiff any undue heating shows that the proper adjustment has been changed and should be looked after. All bearings are provided with liners and may be easily adjusted by the cap screws. Keep all bearings evenly tightened to take up any lost motion due to wear. One shaft bearing tightened more than others may cause heating and also throw the stones out of line.

CARE OF BURRS

On account of the fact that the stones used in these mills need so little sharpening many operators make the mistake of giving them no attention at all. It is much easier to give your stones a light dressing before they need it badly than to wait until the furrows are nearly worn out and have to be entirely re-cut. If you find that the capacity of your mill is smaller than formerly, or that the meal or flour is heating, examine the burrs. To open the mill, remove the two bolts through upper part of case, loosen nuts on hinge bolts at lower part, loosen set screw in fan pulley and slide the half of mill on fan end back on the sills. If you have a warehouse truck, run it between sills of mill at fan end, place top of truck under that half of casing, bear down on handles of truck enough to take most of weight of the half of mill casing from the sills and pull back. When the end of mill shaft passes through the bearings, the half of mill may be laid down flat on the truck, which is the proper position for dressing the bed stone. Leave the runner stone in place in the other half of mill and turn it up on end, resting on the ends of sills and the thrust screw. This leaves the runner stone horizontal with the face up for dressing. On account of the hardness of these stones few picks will cut them and it is well for every mill owner to provide himself with a pair of the hand tempered picks we make especially for this purpose.

DRESSING. Go over the entire surface of both stones with short, even, tapping strokes of the pick, with the cut of each stroke pointing toward the center of the stone. The closer the cuts are together, the finer the dress. A fine dress is better for grinding flour and fine meal, a coarse dress will grind faster but not so finely. Remember that no part of the surface of stone should be rounded. Each flat land or grinding surface drops square off to the bottom of the next furrow, the furrow slopes up in straight line to a feather edge on the next land. The bottom of each furrow should be about 5-16 in. deep at the eye of stone and slope out to about 1-16 in. at the edge of stone. Deepening the furrow at the edge of stone will cause coarse meal to come from the mill. Always dress furrows as well as lands, being careful to keep the same draft and shape of both as originally laid off at the factory. We can not be responsible for the satisfactory service of mill when the draft or dressing of burrs is changed. In putting mill back together be sure that no meal or trash is lodged on sills to keep both halves from fitting closely together, also see that the bolts holding halves together are tightened evenly all around.

IF YOUR MILL GETS OUT OF ALIGNMENT—

When the mill is grinding fine meal the stones are only about the thickness of a sheet of paper apart, and if from any cause their faces are not perfectly parallel, it is evident that it will have a serious effect on proper grinding. If when lightly thrown together the stones touch with an uneven bumping sound instead of an even continuous rub, the stones are out of line.

The process of re-aligning the mill is the same as sharpening except that only the high part of stone is dressed off. Open the mill as for sharpening and paint the grinding surface of stones with any cold water paint (venetian red and water is good), then put mill together and run stones lightly together for a few minutes. When the mill is again opened the paint will be found to be rubbed off on the high part of stone and not on other part. Dress off where the paint is rubbed and repeat the process until the stones touch evenly all around. It is a very rare case for the runner stone to be out of line and therefore only the bed stone should be dressed off. Outside of rough handling in shipping there are few causes for the above trouble. If a mill stands idle for some time in a very hot and damp place, the small amount of meal left from last grinding may swell by absorbing moisture from the air and so swell the timbers of lower part of mill casing. This can be avoided by cleaning out mill before leaving it idle for some time.

If there is any point in the operation of your mill about which you would like further information, the factory will be glad to fully answer your inquiries and to be of all possible help in seeing that this mill gives you the good services of which it is capable.

INSTRUCTIONS FOR ORDERING REPAIRS

Owing to the fact that from time to time changes and improvements are made in our mills, involving the change of a number of parts, it is very important that in ordering you always give the shop number of your mill, as well as the size or diameter of burrs. The shop number is found on the end of meal spout, on the end of case above meal spout and on the front of grain cleaning shoe. Give us this number, the size of mill and the number of the part wanted as listed in the following list, also the name of the part. If you do this we can send you the part at once instead of having to write you for further information.

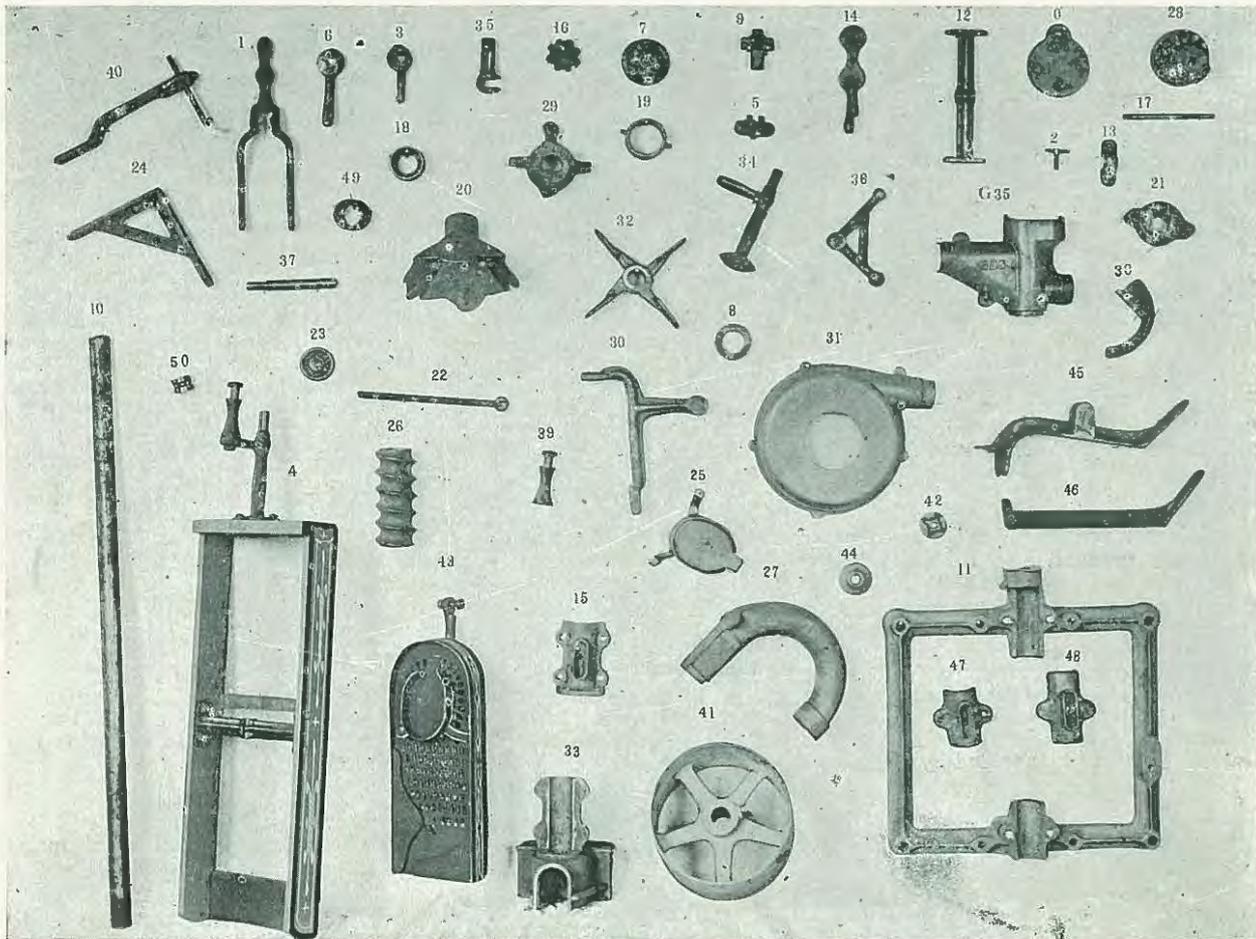
All repairs are cash and orders must be accompanied by remittance to cover price. If parts are wanted sent by parcels post, include postage for the weights given, which include packing.

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REPAIR PARTS LIST

	Shipping Weight	14"	16, 18, 20"	22, 24, 26, 30"	Shipping Weight	14"	16, 18, 20"	22, 24, 26, 30"	
N-O—Fan Door (on mills above No. 2175)	3 lbs.	.50	.50	.50	31-N—Fan Case (not illustrated) new type	20 lbs.	3.00	4.00	5.00
A-O—Fan Door (on mills below No. 2175)	3 lbs.	.50	.50	.50	32—Fan (on mills with fan on end of shaft)	6 lbs.	2.00	2.00	3.00
1—Feed Fork	5 lbs.	1.50	1.50	1.50	32-N—Fan (on mills having belt driven fan) not illustrated	5 lbs.	2.00	2.00	3.00
2—Fan Door Wing Bolt	1 lb.	.25	.25	.25	33—Tail Box and Bearing (babbitted)	6, 8 and 12 lbs.	5.00	6.00	7.00
3—Thrust finger (used only on mills below No. 573)	2 lbs.	.50	.50	.50	34—Sifter Head Complete with Crank	7 lbs.	3.00	3.00	3.00
4—Sifter Complete	35 to 40 lbs. crated	5.00	6.00	7.00	35-G—Grain Spout (on mills below 2175)	20 lbs.	4.00	5.00	6.00
5—Oil Lid	1 lb.	.15	.15	.15	35—Sifter Hook for Eccentric Rod	2 lbs.	1.25	1.25	1.25
6—Lock Lever	2 lbs.	1.00	1.00	1.00	Grain Spout for new type mills—give size of mill only		4.00	5.00	6.00
7—Thrust Wheel and Screw	4 lbs.	2.50	2.50	2.50	36—Shoe Vibrator	4 lbs.	1.50	1.50	1.50
8—Collar for Relief Spring	1 lb.	.50	.50	.50	37—Thrust Screw	2 lbs.	1.00	1.00	1.00
9—Socket for ball of shoe vibrator (babbitted)	2 lbs.	1.50	1.50	1.50	38—Thrust Finger Plate (on mills below 573 only)	6 lbs.	1.00	1.00	1.00
10—Shaft, turned and trued	35, 40 and 50 lbs.	4.00	5.00	6.00	39—Crank for Sifter Head	3 lbs.	.75	.75	.75
11—Cast Iron Frame, with bearings babbitted	75, 100 and 150 lbs.	14.50	17.00	20.00	40—Sifter Hanger Complete with Hook	5 lbs.	1.50	1.75	2.00
12—Sifter Brace	4 lbs.	1.00	1.00	1.00	41—Pulley	20, 35 and 60 lbs.	7.00	9.00	12.00
13—Feed Wheel Base (on mills below 1950) only	1 lb.	.40	.40	.40	42—Washer for Clamp Bolt	1 lb.	.50	.60	.75
14—Shoe Iron	2 lbs.	1.00	1.00	1.00	43—Grain Cleaning Shoe Complete	25 lbs.	6.00	7.50	10.00
15—Bearing Cap, fan end of shaft, 6, 7, & 8	lbs.	2.50	2.50	2.50	44—Washer For Hinge Bolt	1 lb.	.50	.60	.75
16—Feed Wheel	1 lb.	.50	.50	.50	45—Back Hopper Support	10 lbs.	3.50	3.50	3.50
17—Feed Wheel Rod, threaded	1 lb.	.50	.50	.50	45-N—Back Hopper Support, new type, not illustrated	10 lbs.	3.50	3.50	3.50
18—Spring Housing	2, 3, and 4 lbs.	.75	.85	1.00	46—Side Hopper Support	5 lbs.	1.50	1.50	1.50
19—Cut Off Band	2 lbs.	1.00	1.00	1.00	47—Middle Bearing Cap, babbitted 5, 6 and 7	lbs.	2.50	2.75	3.00
20—Hopper Spout	10 lbs.	2.00	2.00	2.00	48—Thrust End Bearing Cap, babbitted, 4, 5, and 6	lbs.	2.50	2.75	3.00
21—Drive Iron for Runner Stone	5 lbs.	2.00	2.00	2.00	49—Coil Relief Spring	1 lb.	.50	.75	1.00
22—Eccentric Rod	5 lbs.	.75	.75	.75	50—Thrust Ball Bearing	1, 2 and 3 lbs.	3.00	3.50	4.00
23—Sifter Hanger Adjuster (only on mills below No. 500)	2 lbs.	.50	.50	.50	51—Feed Fork Stand (not illustrated)	4 lbs.	2.00	2.00	2.00
24—Frame Brace	5 lbs.	1.50	2.25	3.00	52—Angle Bracket Supporting Shoe Vibrator (not illustrated)	6 lbs.	2.50	2.50	2.50
25—Grain Receiver	3 to 4 lbs.	1.50	2.00	2.00	53—Dust Spout (not illustrated)	4, and 5 lbs.	2.00	2.00	2.50
26—Feed Screw	4, 6, and 8 lbs.	2.50	2.75	3.00	Hopper, painted and varnished, without spout	35 to 45 lbs.	5.00	5.50	6.00
27—Return Bend (on mills below 2175 only)	18 lbs.	3.50	3.50	3.50	Hopper Complete with spout attached, 40, 50 lbs.	7.00	7.50	8.00	
28—Thrust Head (on mills below No. 573 only)	8 lbs.	3.00	3.00	3.00					
29—Eccentric Complete	9 lbs.	4.50	5.00	6.00					
30—Sifter Support	5 lbs.	2.00	2.00	2.00					
31—Fan Case Complete (on mills below 2175)	45 lbs.	4.00	5.00	6.00					



Mill picks, hand made of best tool steel, without handles, \$1.25 per pound.

Burrs, furrowed and dressed, with runner stone banded. Single stone one half the price per pair. If runner stone is wanted fixed on shaft, add the price of drive iron and shaft as given in above list.

Size of Stone	per pair	Standard White Flint	American Brushite Blue Pebble Stone	Size of Stone	per pair	Standard White Flint	American Brushite Blue Pebble Stone
14"	per pair	\$12.00	\$24.00	22"	per pair	\$18.00	\$36.00
16"	per pair	13.00	26.00	24"	per pair	20.00	40.00
18"	per pair	14.00	28.00	26"	per pair	22.00	45.00
20"	per pair	16.00	32.00	30"	per pair	25.00	50.00

(OVER)

Directions for Setting Up, Operating, and List of Repair Parts Applying to Dixie King Burr Mills

Supercedes All Repair Lists up to January 1st, 1920

D. T. BOHON CO., HARRODSBURG, KY.

IMPORTANT. Before signing freight receipt for your mill see that no parts are broken or lost in shipping. Any loss or damage should be noted on freight receipt so that claim can be made to cover. The following parts are shipped fastened to mill. The meal spout is tacked to inside of hopper. The thrust screw and lock lever are wired to the eccentric rod. The sifter is wired to the inside of crate. The two sifter hangers are placed on frame of mill but turned to point inside to avoid breakage in shipping. When these four parts are put in place mill is ready for the belt.

PLACING THE MILL. If a sacking elevator is to be used, set the mill directly on the floor. If meal box, place the mill on timbers or low platform. Instead of bolting the sills of mill to the floor, it is better to nail a cleat to the floor on the power side of the mill with a wedge partly inserted between the cleat and mill sill at each end. The belt can then be tightened when necessary by driving in the wedges. Be sure the mill pulley is in line with the driving pulley. When possible place the mill about 15 feet from the power so the belt will not have to be kept too tight.

TO PLACE THRUST SCREW. Back the screw out of lever until the latter can be placed closely against the bearing head which receives the screw. The handle of lever should point about 45 degrees to the left of perpendicular (when operator is facing mill). Then run the thrust screw through the lever and into bearing head until it pushes against the ball bearing at end of shaft. When the grain is turned into mill by raising the cut off band, controlled by the feed wheel on top of mill casing, turn up the thrust screw until the meal is of the desired fineness, then push down the handle of lock lever. This locks the thrust screw in place and it cannot be moved until unlocked by raising the handle of lever.

The sifter is supported by the two hangers on the side of mill frame and is operated by a rod from the eccentric on shaft of mill. The hook on the end of this rod engages the crank of sifter head and can easily be connected or disconnected while mill is running. Two holes are provided for the crank in sifter head and a longer stroke is given by moving the crank into lower hole. The pitch of sifter is adjusted by raising or lowering the hook supporting it from the left hanger.

The grain cleaning shoe is also operated by a rod from eccentric. Both the shoe and sifter are adjusted to operate properly when the mill is running at the proper speed and one result of running the mill too slowly is that the shoe may not feed the grain to the mill fast enough or the sifter handle the meal. It will be well to be sure of this point before trying to change the adjustment of either. When the mill is shipped from the factory, the shoe is adjusted for grinding corn. To grind wheat or other small grain, loosen the nut on lower end of shoe and reverse the valve lever under the lower screen. The handle of this lever is reached by the finger through grain port in lower part of shoe. Both screens of shoe are lifted out for cleaning by removing nut above mentioned.

Before starting mill and frequently for the first few days run oil all bearings well. Every mill is adjusted and tested before leaving the factory and while bearings and working parts may run warm while new and stiff any undue heating shows that the proper adjustment has been changed and should be looked after. All bearings are provided with liners and may be easily adjusted by the cap screws. Keep all bearings evenly tightened to take up any lost motion due to wear. One shaft bearing tightened more than others may cause heating and also throw the stones out of line.

CARE OF BURRS

On account of the fact that the stones used in these mills need so little sharpening many operators make the mistake of giving them no attention at all. It is much easier to give your stones a light dressing before they need it badly than to wait until the furrows are nearly worn out and have to be entirely re-cut. If you find that the capacity of your mill is smaller than formerly, or that the meal or flour is heating, examine the burrs. To open the mill, remove the two bolts through upper part of case, loosen nuts on hinge bolts at lower part, loosen set screw in fan pulley and slide the half of mill on fan end back on the sills. If you have a warehouse truck, run it between sills of mill at fan end, place lip of truck under that half of casting, bear down on handles of truck enough to take most of weight of the half of mill casing from the sills and pull back. When the end of mill shaft passes through the bearings, the half of mill may be laid down flat on the truck, which is the proper position for dressing the bed stone. Leave the runner stone in place in the other half of mill and turn it up on end, resting on the ends of sills and the thrust screw. This leaves the runner stone horizontal with the face up for dressing. On account of the hardness of these stones few picks will cut them and it is well for every mill owner to provide himself with a pair of the hand tempered picks we make especially for this purpose.

DRESSING. Go over the entire surface of both stones with short, even, tapping strokes of the pick, with the cut of each stroke pointing toward the center of the stone. The closer the cuts are together, the finer the dress. A fine dress is better for grinding flour and fine meal, a coarse dress will grind faster but not so finely. Remember that no part of the surface of stone should be rounded. Each flat land or grinding surface drops square off to the bottom of the next furrow, the furrow slopes up in straight line to a feather edge on the next land. The bottom of each furrow should be about 5-16 in. deep at the eye of stone and slope out to about 1-16 in. at the edge of stone. Deepening the furrow at the edge of stone will cause coarse meal to come from the mill. Always dress furrows as well as lands, being careful to keep the same draft and shape of both as originally land off at the factory. We can not be responsible for the satisfactory service of mill when the draft or dressing of burrs is changed. In putting mill back together be sure that no meal or trash is lodged on sills to keep both halves from fitting closely together, also see that the bolts holding halves together are tightened evenly all around.

IF YOUR MILL GETS OUT OF ALIGNMENT—

When the mill is grinding fine meal the stones are only about the thickness of a sheet of paper apart, and if from any cause their faces are not perfectly parallel, it is evident that it will have a serious effect on proper grinding. If when lightly thrown together the stones touch with an uneven bumping sound instead of an even continuous rub, the stones are out of line.

The process of re-aligning the mill is the same as sharpening except that only the high part of stone is dressed off. Open the mill as for sharpening and paint the grinding surface of stones with any cold water paint (venetian red and water is good), then put mill together and run stones lightly together for a few minutes. When the mill is again opened the paint will be found to be rubbed off on the high part of stone and not on other part. Dress off where the paint is rubbed and repeat the process until the stones touch evenly all around. It is a very rare case for the runner stone to be out of line and therefore only the bed stone should be dressed off. Outside of rough handling in shipping there are few causes for the above trouble. If a mill stands idle for some time in a very hot and damp place, the small amount of meal left from last grinding may swell by absorbing moisture from the air and so swell the timbers of lower part of mill casing. This can be avoided by cleaning out mill before leaving it idle for some time.

If there is any point in the operation of your mill about which you would like further information, the factory will be glad to fully answer your inquiries and to be of all possible help in seeing that this mill gives you the good services of which it is capable.

INSTRUCTIONS FOR ORDERING REPAIRS

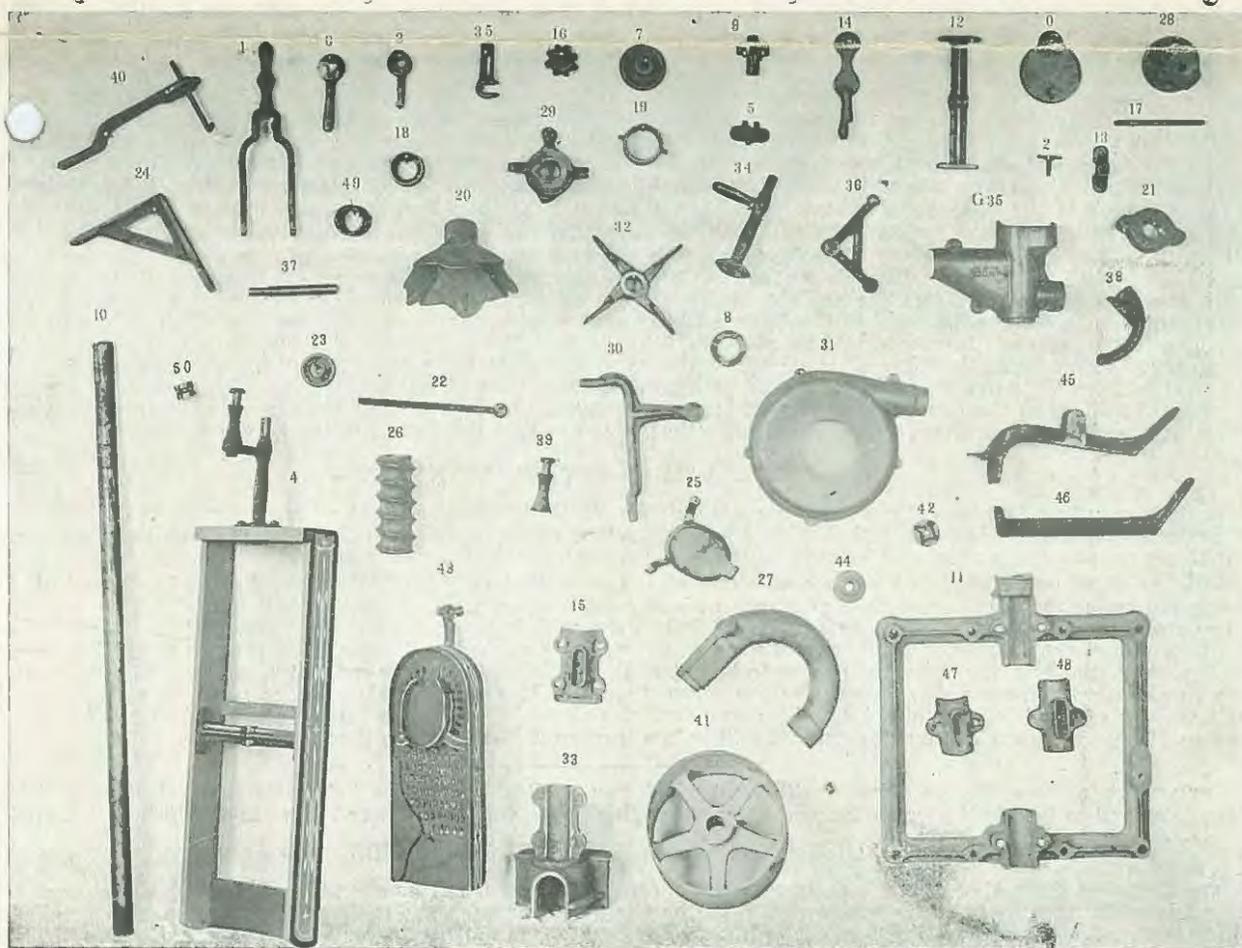
Owing to the fact that from time to time changes and improvements are made in our mills, involving the change of a number of parts, it is very important that in ordering you always give the shop number of your mill, as well as the size or diameter of burrs. The shop number is found on the end of meal spout, on the end of case above meal spout and on the front of grain cleaning shoe. Give us this number, the size of mill and the number of the part wanted as listed in the following list, also the name of the part. If you do this we can send you the part at once instead of having to write you for further information.

All repairs are cash and orders must be accompanied by remittance to cover price. If parts are wanted sent by parcels post, include postage for the weights given, which include packing.

(OVER)

REPAIRS PARTS LIST

	Shipping Weight	14"	16, 18, 20"	22, 24, 26, 30"		Shipping Weight	14"	16, 18, 20"	22, 24, 26, 30"
N-O—Fan Door (on mills above No.2175)	3 lbs.	.50	.50	.50	31-N—Fan Case (not illustrated) new type	20 lbs.	3.00	4.00	5.00
A-O—Fan Door (on mills below No. 2175)	3 lbs.	.50	.50	.50	32—Fan (on mills with fan on end of shaft)	6 lbs.	2.00	2.00	3.00
1—Feed Fork	5 lbs.	1.50	1.50	1.50	32-N—Fan (on mills having belt driven fan) not illustrated	5 lbs.	2.00	2.00	3.00
2—Fan Door Wing Bolt	1 lb.	.25	.25	.25	33—Tail Box and Bearing (babbitted)	6, 8 and 12 lbs.	5.00	6.00	7.00
3—Thrust finger (used only on mills below No. 573)	2 lbs.	.50	.50	.50	34—Sifter Heads Complete with Crank	7 lbs.	3.00	3.00	3.00
4—Sifter Complete	35 to 40 lbs. crated	5.00	6.00	7.00	35-G—Grain Spout (on mills below 2175)	20 lbs.	4.00	5.00	6.00
5—Oil Lid	1 lb.	.15	.15	.15	35—Sifter Hook for Eccentric Rod	2 lbs.	1.25	1.25	1.25
6—Lock Lever	2 lbs.	1.00	1.00	1.00	Grain Spout for new type mills—give size of mill only		4.00	5.00	6.00
7—Thrust Wheel and Screw	4 lbs.	2.50	2.50	2.50	36—Shoe Vibrator	4 lbs.	1.50	1.50	1.50
8—Collar for Relief Spring	1 lb.	.50	.50	.50	37—Thrust Screw	2 lbs.	1.00	1.00	1.00
9—Socket for ball of shoe vibrator (babbitted)	2 lbs.	1.50	1.50	1.50	38—Thrust Finger Plate (on mills below 573 only)	6 lbs.	1.00	1.00	1.00
10—Shaft, turned and trued	35, 40 and 50 lbs.	4.00	5.00	6.00	39—Crank for Sifter Head	3 lbs.	.75	.75	.75
11—Cast Iron Frame, with bearings babbitted	75, 100 and 150 lbs.	14.50	17.00	20.00	40—Sifter Hanger Complete with Hook	5 lbs.	1.50	1.75	2.00
12—Sifter Brace	4 lbs.	1.00	1.00	1.00	41—Pulley	20, 35 and 60 lbs.	7.00	9.00	12.00
13—Feed Wheel Base (on mills below 1950 only)	1 lb.	.40	.40	.40	42—Washer for Clamp Bolt	1 lb.	.50	.60	.75
14—Shoe Iron	2 lbs.	1.00	1.00	1.00	43—Grain Cleaning Shoe Complete	25 lbs.	6.00	7.50	10.00
15—Bearing Cap, fan end of shaft, 6, 7 & 8	8 lbs.	2.50	2.50	2.50	44—Washer for Hinge Bolt	1 lbfl	.50	.60	.75
16—Feed Wheel	1 lb.	.50	.50	.50	44—Washer for Hinge Bolt	1 lb.	.50	.60	.75
17—Feed Wheel Rod, threaded	1 lb.	.50	.50	.50	45-N—Back Hopper Support, new type, not illustrated	10 lbs.	3.50	3.50	3.50
18—Spring Housing	2, 3 and 4 lbs.	.75	.85	1.00	46—Side Hopper Support	5 lbs.	1.50	1.50	1.50
19—Cut off Band	2 lbs.	1.00	1.00	1.00	47—Middle Bearing Cap, babbitted 5, 6 and 7	5 lbs.	2.50	2.75	3.00
20—Hopper Spout	10 lbs.	2.00	2.00	2.00	48—Thrust End Bearing Cap, babbitted	4, 5 and 6 lbs.	2.50	2.75	3.00
21—Drive Iron for Runner Stone	5 lbs.	2.00	2.00	2.00	49—Coil Relief Spring	1 lb.	.50	.75	1.00
22—Eccentric Rod	5 lbs.	.75	.75	.75	50—Thrust Ball Bearing	1, 2 and 3 lbs.	3.00	3.50	4.00
23—Sifter Hanger Adjuster (only on mills below No. 500)	2 lbs.	.50	.50	.50	51—Feed Fork Stand (not illustrated)	4 lbs.	2.00	2.00	2.00
24—Frame Brace	5 lbs.	1.50	2.25	3.00	52—Angle Bracket Supporting Shoe Vibrator (not illustrated)	6 lbs.	2.50	2.50	2.50
25—Grain Receiver	3 to 4 lbs.	1.50	2.00	2.00	53—Dust Spout (not illustrated)	4 and 5 lbs.	2.00	2.00	2.50
26—Feed Screw	4, 6 and 8 lbs.	2.50	2.75	3.00	Hopper, painted and varnished, without spout	35 to 45 lbs.	5.00	5.50	6.00
27—Return Bend (on mills below 2175 only)	18 lbs.	3.50	3.50	3.50	Hopper Complete with spout attached	40, 50 lbs.	7.00	5.00	8.00
28—Thrust Head (on mills below 573 only)	8 lbs.	3.00	3.00	3.00					
29—Eccentric Complete	9 lbs.	4.50	5.00	6.00					
30—Sifter Support	5 lbs.	2.00	2.00	2.00					
31—Fan Case complete (on mills below 2175)	45 lbs.	4.00	5.00	6.00					



Mill picks, hand made of best tool steel, without handles, \$1.25 per pound
 Burrs, furrowed and dressed, with runner stone banded. Single stone one half the price per pair. If runner stone is wanted fixed on shaft, add the price of drive iron and shaft as given in above list.

Size of Stone		Standard White Flint	American Brushite Blue Pebble Stone	Size of Stone		Standard White Flint	American Brushite Blue Pebble Stone
14"	per pair	\$12.00	\$24.00	22"	per pair	\$18.00	\$36.00
16"	per pair	13.00	26.00	24"	per pair	20.00	40.00
18"	per pair	14.00	28.00	26"	per pair	22.00	45.00
20"	per pair	16.00	32.00	30"	per pair	25.00	50.00

Directions for Setting Up, Operating, and List of Repair Parts Applying to Eureka Stone Burr Mills

Supersedes All Repair Lists up to January 1st, 1920

Manufactured for **Sears, Roebuck & Co., Chicago, Ill.**

IMPORTANT. Before signing freight receipt for your mill see that no parts are broken or lost in shipping. Any loss or damage should be noted on freight receipt so that claim can be made to cover. The following parts are shipped fastened to mill. The meal spout is tacked to inside of hopper. The thrust screw and lock lever are wired to the eccentric rod. The sifter is wired to the inside of crate. The two sifter hangers are in place on frame of mill but turned to point inside to avoid breakage in shipping. When these four parts are put in place mill is ready for the belt.

PLACING THE MILL. If a sacking elevator is to be used, set the mill directly on the floor. If meal box, place the mill on timbers or low platform. Instead of bolting the sills of mill to the floor, it is better to nail a cleat to the floor on the power side of the mill with a wedge partly inserted between the cleat and mill sill at each end. The belt can then be tightened when necessary by driving in the wedges. Be sure the mill pulley is in line with the driving pulley. When possible place the mill about 15 feet from the power so the belt will not have to be kept too tight.

TO PLACE THRUST SCREW. Back the screw out of lever until the latter can be placed closely against the bearing head which receives the screw. The handle of lever should point about 45 degrees to the left of perpendicular (when operator is facing mill). Then run the thrust screw through the lever and into bearing head until it pushes against the ball bearing at end of shaft. When the grain is turned into mill by raising the cut off band, controlled by the feed wheel on top of mill casing, turn up the thrust screw until the meal is of the desired fineness, then push down the handle of lock lever. This locks the thrust screw in place and it cannot be moved until unlocked by raising the handle of lever.

The sifter is supported by the two hangers on the side of mill frame and is operated by a rod from the eccentric on shaft of mill. The hook on the end of this rod engages the crank of sifter head and can easily be connected or disconnected while mill is running. Two holes are provided for the crank in sifter head and a longer stroke is given by moving the crank into lower hole. The pitch of sifter is adjusted by raising or lowering the hook supporting it from the left hanger.

The grain cleaning shoe is also operated by a rod from eccentric. Both the shoe and sifter are adjusted to operate properly when the mill is running at the proper speed and one result of running the mill too slowly is that the shoe may not feed the grain to the mill fast enough or the sifter handle the meal. It will be well to be sure of this point before trying to change the adjustment of either. When the mill is shipped from the factory, the shoe is adjusted for grinding corn. To grind wheat or other small grain, loosen the nut on lower end of shoe and reverse the valve lever under the lower screen. The handle of this lever is reached by the finger through grain port in lower part of shoe. Both screens of shoe are lifted out for cleaning by removing nut above mentioned.

Before starting mill and frequently for the first few days run oil all bearings well. Every mill is adjusted and tested before leaving the factory and while bearings and working parts may run warm while new and stiff any undue heating shows that the proper adjustment has been changed and should be looked after. All bearings are provided with liners and may be easily adjusted by the cap screws. Keep all bearings evenly tightened to take up any lost motion due to wear. One shaft bearing tightened more than others may cause heating and also throw the stones out of line.

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On account of the fact that the stones used in these mills need a little sharpening many operators make the mistake of giving them no attention at all. It is much easier to give your stones a light dressing before they need it badly than to wait until the furrows are nearly worn out and have to be entirely re-cut. If you find that the capacity of your mill is smaller than formerly, or that the meal or flour is heating, examine the burrs. To open the mill, remove the two bolts through upper part of case, loosen nuts on hinge bolts at lower part, loosen set screw in fan pulley and slide the half of mill on fan end back on the sills. If you have a warehouse truck, run it between sills of mill at fan end, place lip of truck under that half of casing, hear down on handles of truck enough to take most of weight of the half of mill casing from the sills and pull back. When the end of mill shaft passes through the bearings, the half of mill may be laid down flat on the truck, which is the proper position for dressing the bed stone. Leave the runner stone in place in the other half of mill and turn it up on end, resting on the ends of sills and the thrust screw. This leaves the runner stone horizontal with the face up for dressing. On account of the hardness of these stones few picks will cut them and it is well for every mill owner to provide himself with a pair of the hand tempered picks we make especially for this purpose.

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INSTRUCTIONS FOR ORDERING REPAIRS

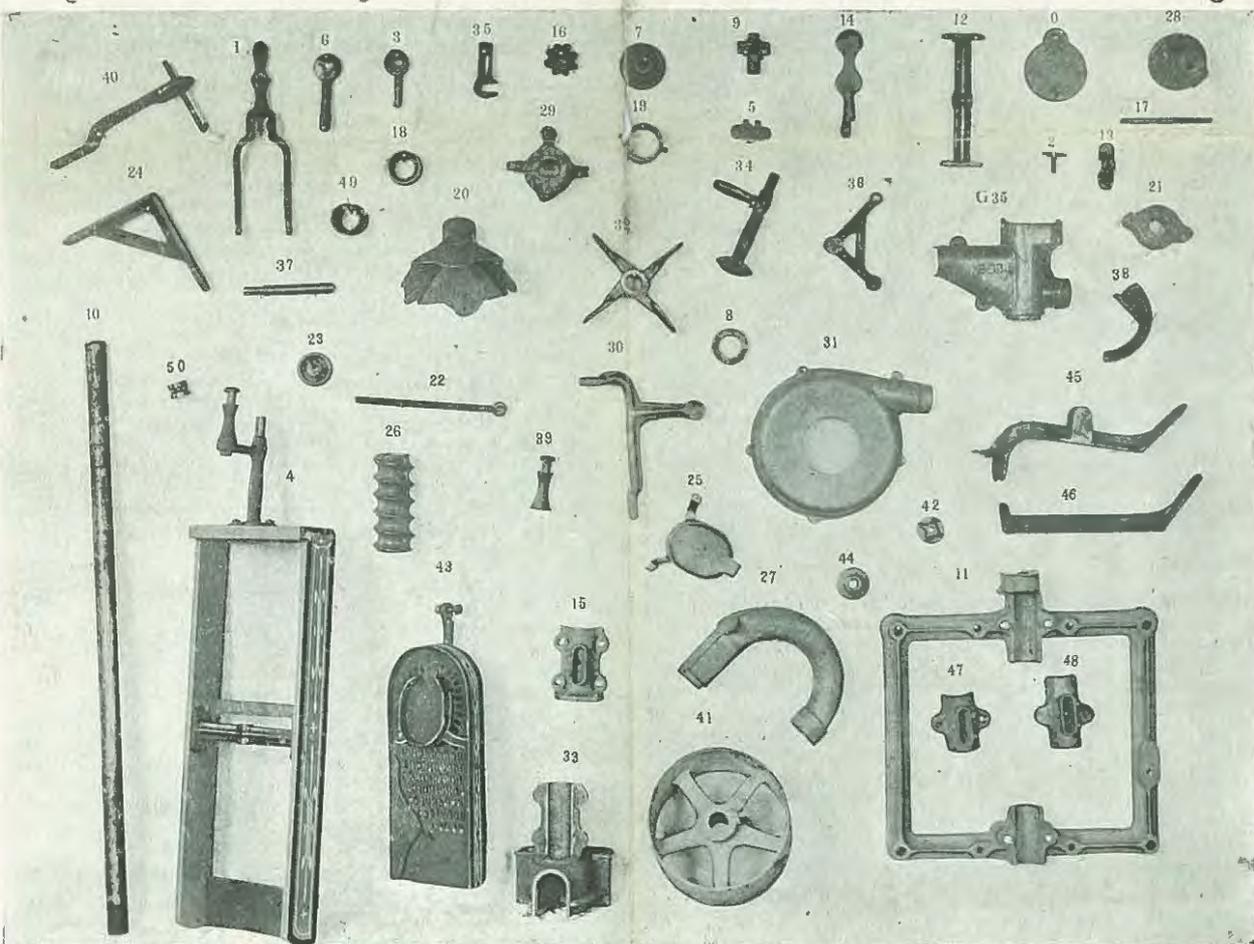
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(OVER)

REPAIR PARTS IST

	Shipping Weight				Shipping Weight		
	14"	16, 18, 20"	22, 24, 26, 30"		14"	16, 18, 20"	22, 24, 26, 30"
A-O—Fan Door (on mills below No. 2175)	3 lbs.	3 lbs.	3 lbs.	30 Sifter Support	5 lbs.	2.00	2.00
N-O—Fan Door (on mills above No. 2175)	3 lbs.	.50	.50	31—Fan Case Complete (on mills below 2175)	45 lbs.	4.00	5.00
1—Feed Fork	5 lbs.	1.50	1.50	31-N—Fan Case (not illustrated) new type	20 lbs.	3.00	4.00
2—Fan Door Wing Bolt	1 lb.	.25	.25	32—Fan (on mills with fan on end of shaft)	6 lbs.	2.00	2.00
3—Thrust finger (used only on mills below No. 573)	2 lbs.	.50	.50	32-N—Fan (on mills having belt driven fan) not illustrated	5 lbs.	2.00	2.00
4—Sifter Complete	35 to 40 lbs.	5.00	6.00	33—Tail Box and Bearing (babbitted) 6, 8 and 12	12 lbs.	5.00	6.00
5—Oil Lid	1 lb.	.15	.15	34—Sifter Head Complete with Crank	7 lbs.	3.00	3.00
6—Lock Lever	2 lbs.	1.00	1.00	35—Sifter Hook for Eccentric Rod	2 lbs.	1.25	1.25
7—Thrust Wheel and Screw	4 lbs.	2.50	2.50	35-G—Grain Spout (on mills below 2175)	20 lbs.	4.00	5.00
8—Collar for Relief Spring	1 lb.	.50	.50	Grain Spout for new type mills--give size of mill only	4.00	5.00	6.00
9—Socket for ball of shoe vibrator (babbitted)	2 lbs.	1.50	1.50	36—Shoe Vibrator	4 lbs.	1.50	1.50
10—Shaft, turned and trued	35, 40 and 50 lbs.	4.00	5.00	37—Thrust Screw	2 lbs.	1.00	1.00
11—Cast Iron Frame, with bearings babbitted	75, 100 and 150 lbs.	14.50	17.00	38—Thrust Finger Plate (on mills below 573 only)	6	1.00	1.00
12—Sifter Brace	4 lbs.	1.00	1.00	39—Crank for Sifter Head	3 lbs.	.75	.75
13—Feed Wheel Base (on mills below 1950 only)	1 lb.	.40	.40	40—Sifter Hanger Complete With Hook	5 lbs.	1.50	1.75
14—Shoe Iron	2 lb.	1.00	1.00	41—Pulley	20, 35 and 60 lbs.	7.00	9.00
15—Bearing Cap, fan end of shaft, 6, 7, and 8	1 lb.	.50	.50	42—Washer for Clamp Bolt	1 lb.	.50	.75
16—Feed Wheel	1 lb.	.50	.50	43—Grain Cleaning Shoe Complete	25 lbs.	6.00	7.50
17—Feed Wheel Rod, threaded	1 lb.	.50	.50	44—Washer For Hinge Bolt	1 lb.	.50	.60
18—Spring Housing	2, 3 and 4 lbs.	.75	.85	45—Back Hopper Support	10 lbs.	3.50	3.50
19—Cut Off Band	2 lbs.	1.00	1.00	45-N—Back Hopper Support, new type, not illustrated	10 lbs.	3.50	3.50
20—Hopper Spout	10 lbs.	2.00	2.00	46—Side Hopper Support	5 lbs.	1.50	1.50
21—Drive Iron for Runner Stone	5 lbs.	2.00	2.00	47—Middle Bearing Cap, babbitted	5, 6 and 7 lbs.	2.50	2.75
22—Eccentric Rod	5 lbs.	.75	.75	48—Thrust End Bearing Cap, babbitted, 4, 5, 6	1 lb.	.50	.75
23—Sifter Hanger Adjuster (only on mills below No. 500)	2 lbs.	.50	.50	49—Coil Relief Spring	1 lb.	.50	.75
24—Frame Brace	5 lbs.	1.50	2.25	50—Thrust Ball Bearing	1, 2 and 3 lbs.	3.00	3.50
25—Grain Receiver	3 to 4 lbs.	1.50	2.00	51—Feed Fork Stand (not illustrated)	4 lbs.	2.00	2.00
26—Feed Screw	4, 6 and 8 lbs.	2.50	2.75	52—Angle Bracket Supporting Shoe Vibrator (not illustrated)	6 lbs.	2.50	2.50
27—Return Bend (on mills below 2175 only)	18 lbs.	3.50	3.50	53—Dust Spout (not illustrated)	4, 5 lbs.	2.00	2.50
28—Thrust Head (on mills below No. 573 only)	8 lbs.	3.00	3.00	Hopper, painted and varnished, without spout	35 to 45 lbs.	5.00	5.50
29—Eccentric Complete	9 lbs.	4.50	5.00	Hopper Complete with spout attached, 40 to 50	7.00	7.50	8.00



Mill picks, hand made of best tool steel, without handles, 3 lbs. \$3.00 each.
 Burrs, furrowed and dressed, with runner stone banded. Single stone one half the price per pair. If runner stone is wanted fixed on shaft, add the price of drive iron and shaft as given in above list.

Size of Stone	per pair	Standard White Flint	American Brushite Blue Pebble Stone	Size of Stone	per pair	Standard White Flint	American Brushite Blue Pebble Stone
14"	per pair	\$12.00	\$24.00	22"	per pair	18.00	36.00
16"	per pair	13.00	26.00	24"	per pair	20.00	40.00
18"	per pair	14.00	28.00	26"	per pair	22.00	45.00
20"	per pair	16.00	32.00	30"	per pair	25.00	50.00

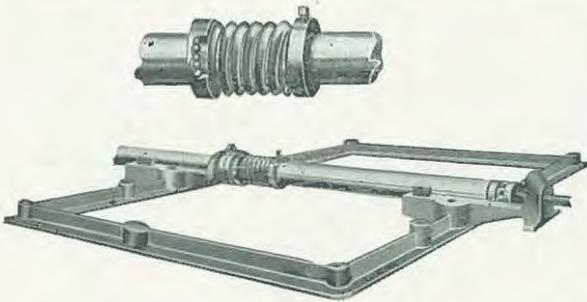
We Will Please You or Return Your Money

The Universal Mill

GRINDS SHELLED CORN
and ALL KINDS OF GRAIN

Will Put More Profit In Your Corn Crop.

Is Simple, Durable and Easy To Operate.



BALL BEARINGS

There are two bearings of the latest and most modern type on the Universal Mills; one thrust ball bearing and one ball bearing at middle box, which is known as the pressure spring ball bearing. These two ball bearings eliminate a great deal of friction, and really save about 20 per cent power over other makes of mills. The pressure spring ball bearing eliminates heating at the middle box, which is so common in other makes of mills. When middle box is heated, this of course heats the shaft, which causes the shaft to contract and expand on heating and cooling, therefore rendering it impossible to make good, smooth, evenly ground meal without constantly adjusting the thrust screw.

SIZES, CAPACITIES, ETC.

Size of Mill	Capacity per Hour Bread Meal	Horse Power Required	Speed R. P. M.	Size of Pulley	Floor Space
16 inch	6 to 20 bu.	6 to 8	800	10x6	2½x5
20 inch	6 to 25 bu.	8 to 10	700	12x6	3 x5½
24 inch	8 to 30 bu.	10 to 12	600	14x8	3¼x5½
30 inch	10 to 40 bu.	12 to 20	500	16x8	3½x5½

BUHRS CAN'T RUN TOGETHER
WHEN MILL RUNS EMPTY



Fordson Special Universal Grist Mill

WRITE FOR CATALOGUE

THE ACME OF PERFECTION

The Universal Mill

DESIGNED ESPECIALLY FOR
FORDSON TRACTOR

Satisfaction Guaranteed

or Money Refunded

Twenty-Five Points of Superiority on the Universal Corn Meal Mill

(1) The Frame Work is made of a selected grade of heart pine, free from knots and defective parts, seasoned five years before being made up for the mill.

(2) It is put together with heavy wrought iron bolts, making it rigid and strong. It has many advantages over the cast iron frames; it is equally as strong and durable, and makes a far sweeter meal, because it does not sweat and cause the meal to cake up and sour as it is sure to do in iron hulls. If any part of this mill should break it can easily be repaired right at home at small cost and no loss of time.

(3) Spindle; heavy and made of best grade of steel.

(4) Boxing; the best that money can buy. Wick oiling. Well lined with high-grade anti-friction babbit metal, arranged in halves to allow for take up in wear.

(5) Oil trap or device for catching any excess of lubricating oil, which might trickle down the spindle and find its way into the meal.

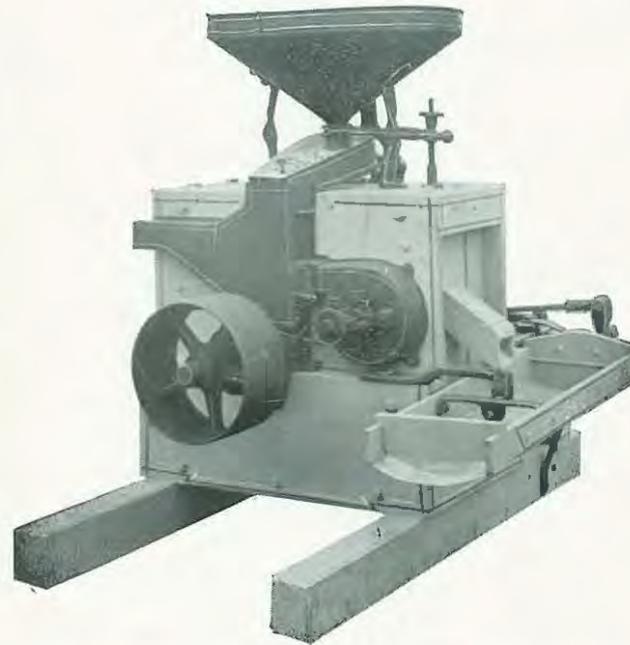
(6) More bearing surface than any mill built of same size and capacity.

(7) Mill is provided with fan for cleaning the grain of all husky material, dirt, silks, hairs and other light materials which necessarily find their way into the grain.

(8) Perforated metal screen placed in the shoe, which prevents foreign substances, such as nails, bolts, taps, etc., from entering into the mill and damaging the face of the buhrs.

(9) Wire screen in shoe on which all grain falls before entering the Mill. The screen takes out all broken particles, rat litter, weevil and other substances, which would render meal or flour unfit for bread purposes.

(10) Old virginia Pebble Stone Grit Buhrs; no better can be had at any price; hard and flinty, but tough in texture. Requires little sharpening to keep them in good grinding condition. Especially adapted for grinding soft, fine meal. Leaves a flavor in the meal which is not surpassed by any Mill. Easily



sharpened by anyone of average intelligence, and will last a life time. Runner stone is securely fastened to spindle. Stationary or bed stone is cemented in frame of Mill.

(11) Impossible for buhrs to get out of tram.

(12) Buhrs positively will not drift together when Mill runs empty. A guaranteed feature of the most importance.

(13) Mill is easy to open, only two bolts to take out and three nuts to loosen.

(14) Mill is furnished with the most up-to-date bolter or sifter, which has a rocking motion instead of length wise, eliminating noise and wear.

(15) Ball bearings are the latest and most modern type, costing several times the amount paid for ball bearings usually placed in Grist Mills.

(16) "Automatic Graduating Thrust Screw." The latest and most useful invention placed on a Mill for the adjustment of the buhrs, for grinding any product made from shelled grain. By the aid of this invention a boy twelve years old can make meal the equal of that made by an experienced Miller.

(17) "Feeding Device." Simplest and most positive feed ever placed on a Mill. Feeds the same smooth current of grain under any and all conditions.

(18) Mills built to be successfully operated with from six H. P. to twenty H. P. Engine. From 16 inch Buhrs up to 30 inch.

(19) Requires less power to operate this Mill than any Mill on the market today, size and capacity considered.

(20) Has less vibration than that of any other Mill. An ordinary nail will stand when set on the frame while Mill is running at full speed, and will not be shaken down.

(21) Products are not heated (overheated) while being ground, as is the case with most other Mills, but come out of the Mill cool, thereby leaving the natural flavor of the product.

(22) Any of the following products can be made on this Mill equal to that made on any other Mill regardless of price, and changes can be made instantly: Flat meal, medium meal, round meal, grits, chops, hominy, cracked corn or chicken feed, Graham flour, whole wheat or buhr flour, cracked wheat, or any other product that is made from shelled or threshed grain.

(23) Buhrs will not become swollen and need readjusting after ten to twelve hours continuous grinding, as do buhrs on other Mills.

(24) Two ball bearings in each Mill, one thrust ball bearing and one ball bearing at middle box, known as pressure spring ball bearing.

(25) Small fan wings placed on band iron around runner stone which keeps meal absolutely cool.

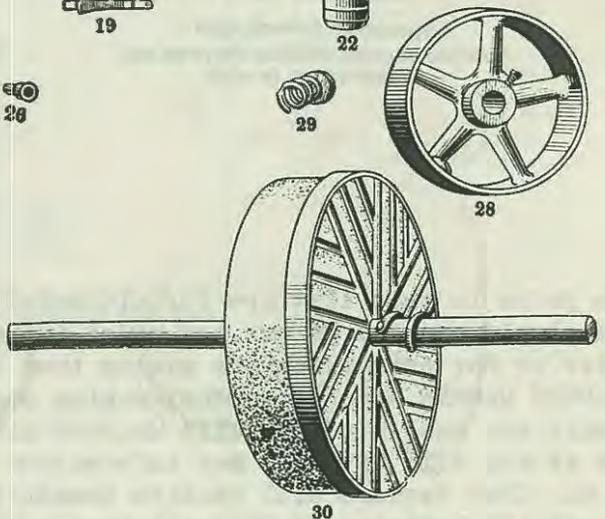
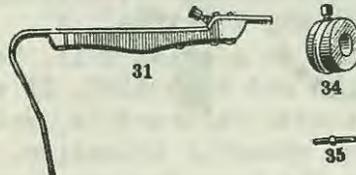
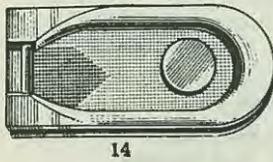
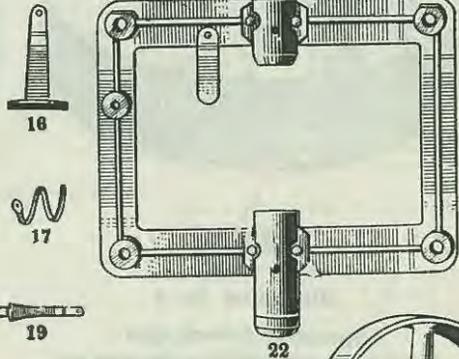
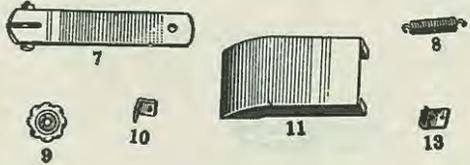
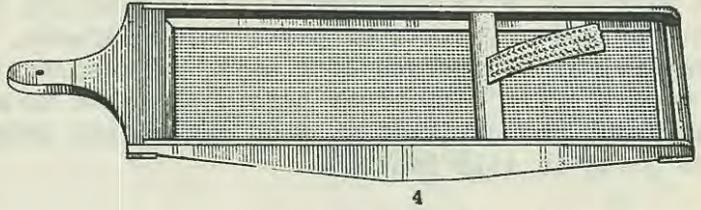
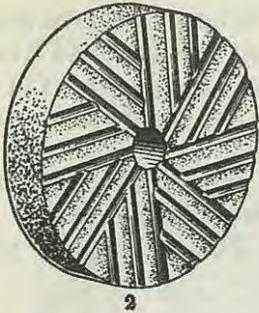
PRICES AND ILLUSTRATIONS OF PARTS FOR MEADOWS MEAL MILLS
 (Formerly sold by Internat'l Harv. Co. of America)
 Covering mills built from 1906 to 1926, serial number from
 0 to 19,999, inclusive. Order repair parts from
 MEADOWS MILL COMPANY, NORTH WILKESBORO, N. C., USA.

Catalog No.	List Price	Name or Description	Mill used on and years used				
			Style No. 1	Style No. 2	Style No. 3	Style No. 4	Style No. 5
			12"	16"	20"	24"	30"
S1-1	\$ 2 25	Ball thrust bearing	06	06			
S3-1	2 50	Ball thrust bearing			06	06	
S5-1	3 25	Ball thrust bearing					06
S1-2	12 85	Bed stone, faced and furrowed	06				
S2-2	15 85	Bed stone, faced and furrowed		06			
S3-2	23 75	Bed stone, faced and furrowed			06		
S4-2	28 70	Bed stone, faced and furrowed				06	
S5-2	34 90	Bed stone, faced and furrowed					06
S1-3	1 90	Bolter agitator or sifter lever	06-17				
S2-3	2 10	Bolter agitator or sifter lever		06-17			
S3-3	2 45	Bolter agitator or sifter lever			06-17		
S4-3	3 20	Bolter agitator or sifter lever				06-17	
S5-3	3 70	Bolter agitator or sifter lever					06-17
S1-4	3 70	Bolter, corn meal	06	06			
S3-4	4 75	Bolter, corn meal			06	06	
S5-4	5 95	Bolter, corn meal					06
S1-6	70	Bolter bracket	06	06	06	06	
S5-6	1 00	Bolter bracket					06
S1-7	65	Bolter hanger	06	06			
S3-7	80	Bolter hanger			06	06	
S5-7	1 15	Bolter hanger					06
S1-8	30	Bolter spring	06	06			
S3-8	40	Bolter spring			06	06	
S5-8	45	Bolter spring					06
S1-9	50	Bolter jam nut	06	06	06	06	06
S1-10	15	Corn conveyor bracket	06	06	06	06	06
S1-11	50	Corn conveyor spout	06				
S2-11	55	Corn conveyor spout		06			
S3-11	60	Corn conveyor spout			06		
S4-11	80	Corn conveyor spout				06	
S5-11	95	Corn conveyor spout					06
S1-12	1 10	Feed adjuster	06	06			
S3-12	1 15	Feed adjuster			06	06	06
S1-13	15	Weevil spout bracket	06	06	06	06	06
S1-14	5 65	Weevil spout with corn screen	10	10			
S3-14	6 45	Weevil spout with corn screen			10	10	
S5-14	9 90	Weevil spout with corn screen					10
S1-15	1 55	Feed lever and sleeve	06				
S2-15	1 80	Feed lever and sleeve		06			
S3-15	2 00	Feed lever and sleeve			06	06	
S5-15	3 05	Feed lever and sleeve					06
S1-16	50	Feed lever fulcrum	06	06			
S3-16	60	Feed lever fulcrum			06	06	06
S1-17	50	Force feed	06	06			
S3-17	60	Force feed			06	06	
S5-17	90	Force feed					06
S1-18	65	Frame brace	06	06			
S3-18	75	Frame brace			06	06	06
S1-19	20	Furrow gauge	06	06	06	06	06
S1-20	7 15	Hopper, complete	06	06			
S3-20	7 90	Hopper, complete			06	06	06
S1-21	65	Hopper leg	06	06			
S3-21	80	Hopper leg			06	06	06
S1-22	6 15	Frame with journals babbitted	09				
S2-22	7 10	Frame with journals babbitted		09			
S3-22	7 90	Frame with journals babbitted			09	09	

IMPORTANT- In ordering parts BE SURE to give size or style of your mill (Style 2 is 16"; Style 3, 20", etc.) Also name and number of parts desired, as well as the serial number of mill, which should be found stamped in the wooden frame directly over meal spout.

Catalog No.	List Price	Name or Description	Mill used on and years used					
			Style No. 1	Style No. 2	Style No. 3	Style No. 4	Style No. 5	
			12"	16"	20"	24"	30"	
S5-22	\$12 35	Frame with journals babbitted						03-
S1-23	40	Jam nut for thrust wheel	06-	06-				
S3-23	45	Jam nut for thrust wheel			06-	06-		05-
S1-24	45	Disk for ball bearing and adjusting screw	06-	06-				
S3-24	50	Disk for ball bearing and adjusting screw			06-	06-		
S5-24	65	Disk for ball bearing and adjusting screw						05-
S1-25	50	Meal spout	06-					
S2-25	55	Meal spout		06-				
S3-25	60	Meal spout			06-			
S4-25	65	Meal spout				06-		
S5-25	75	Meal spout						03-
S1-26	45	Oil or grease cup	06-	06-	06-	06-		03-
S1-28	4 50	Pulley	06-	06-				
S3-28	5 75	Pulley			06-			
S4-28	6 50	Pulley				06-		
S5-28	9 20	Pulley						06-
S1-29	50	Safety spring with collar	09-19	09-19				
S3-29	70	Safety spring with collar			09-19	09-19		
S5-29	90	Safety spring with collar						09-19
S1-30	14 40	Runner burr with shaft, furrowed and banded	06-					
S2-30	18 45	Runner burr with shaft, furrowed and banded		06-				
S3-30	26 10	Runner burr with shaft, furrowed and banded			06-			
S4-30	31 50	Runner burr with shaft, furrowed and banded				06-		
S5-30	36 00	Runner burr with shaft, furrowed and banded						06-
S1-31	1 55	Weevil spout agitator	06-17					
S2-31	1 80	Weevil spout agitator		06-17				
S3-31	2 00	Weevil spout agitator			06-17			
S4-31	2 65	Weevil spout agitator				06-17		
S5-31	3 05	Weevil spout agitator						06-17
S1-32	50	Weevil spout agitator guide	06-14	06-14				
S3-32	60	Weevil spout agitator guide			06-14	06-14		
S5-32	70	Weevil spout agitator guide						06-14
S1-33	50	Weevil spout hanger	06-14	06-14				
S3-33	60	Weevil spout hanger			06-14	06-14		
S5-33	70	Weevil spout hanger						06-14
S1-34	2 45	Cam sleeve	06-17	06-17				
S3-34	2 95	Cam sleeve			06-17	06-17		
S5-34	3 40	Cam sleeve						06-14
S1-35	35	Stud bolt for bolter agitator	06-	06-	06-	06-		03-
S1-36	35	Stud bolt for bolter	06-	06-	06-	06-		03-
S1-37	1 60	Thrust wheel	06-	06-				
S3-37	1 80	Thrust wheel			06-	06-		03-
S1-39	1 90	Base box (babbitted)	06-					
S2-39	2 10	Base box (babbitted)		06-				
S3-39	2 40	Base box (babbitted)			06-	06-		
S5-39	3 70	Base box (babbitted)						03-
S1-40	40	Sifter spring	06-09					
S2-40	45	Sifter spring		06-09				
S3-40	55	Sifter spring			06-09	06-09		
S5-40	70	Sifter spring						06-09
S1-41	85	Weevil spout agitator guide	14-	14-				
S3-41	1 00	Weevil spout agitator guide			14-	14-		
S5-41	1 50	Weevil spout agitator guide						14-
S1-42	30	Safety spring	06-09	06-09				
S3-42	40	Safety spring			06-09	06-09		
S5-42	45	Safety spring						06-09
S1-43	65	Thrust spring	06-09	06-09				
S3-43	70	Thrust spring			06-09	06-09		
S5-43	90	Thrust spring						03-09
S1-44	2 10	Head box (babbitted)	06-09	06-09				
S3-44	2 80	Head box (babbitted)			06-09	06-09		
S5-44	4 40	Head box (babbitted)						03-09
S1-45	3 35	Fan	06-10					
S2-45	3 85	Fan		06-10				
S3-45	4 30	Fan			06-10			

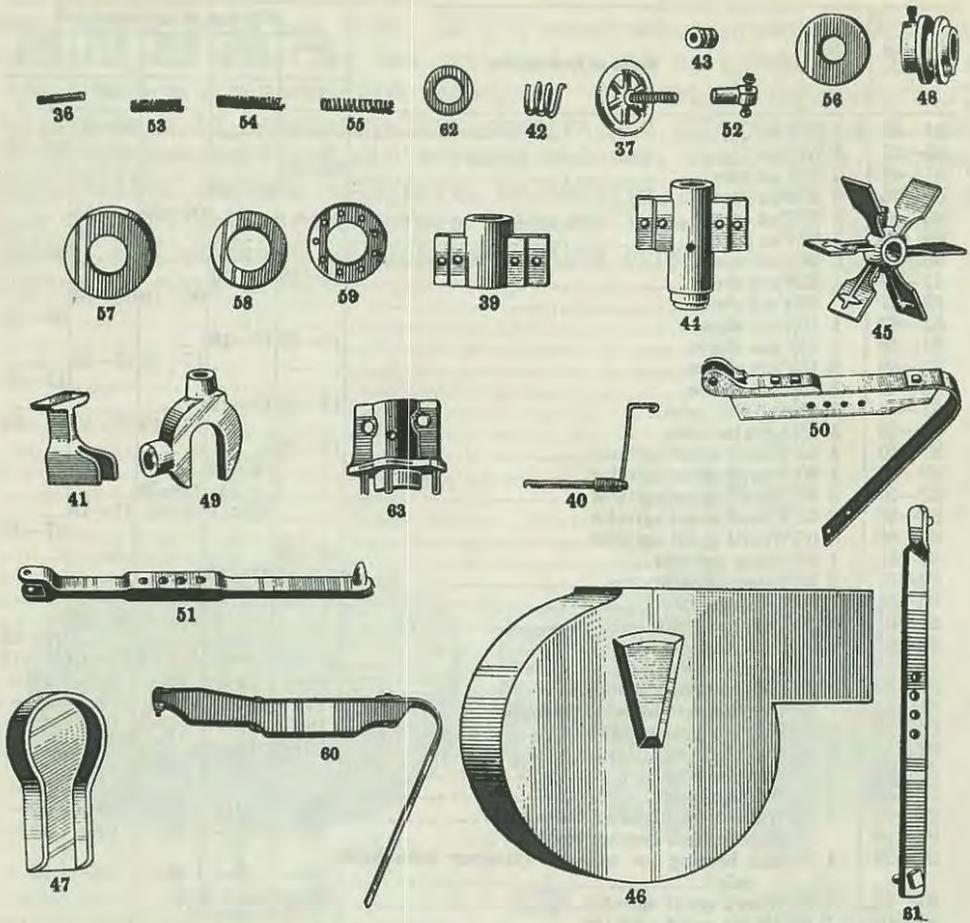
To insure prompt shipment give full information about parts wanted: Size of mill, name and number of parts, and serial number of mill.



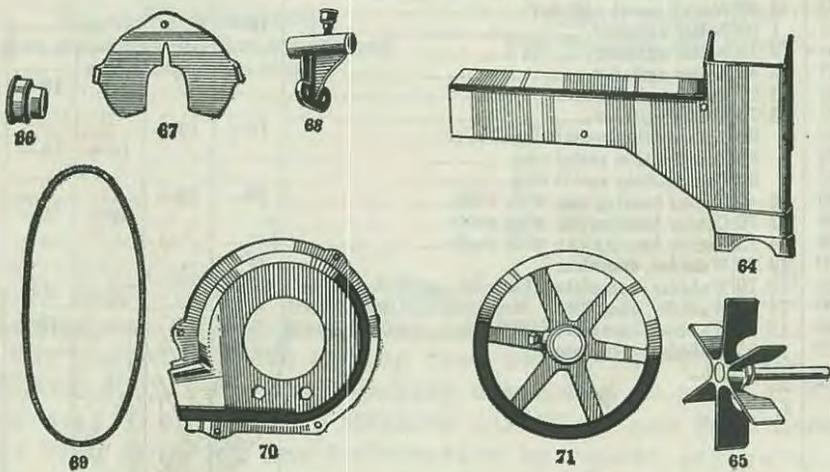
Order parts from

MEADOWS MILL COMPANY

NORTH WILKESBORO, N.C. U.S.A.



HIGH SPEED FAN (Special)



Before mailing your order for parts be sure that you have given all necessary information. By so doing you will avoid delay.

Catalog No.	List Price	Name or Description	Mill used on and years used					
			Style No. 1	Style No. 2	Style No. 3	Style No. 4	Style No. 5	
			12"	16"	20"	24"	30"	
S4-45	\$ 5 85	Fan				06-10		
S5-45	6 75	Fan					06-10	
S1-46	2 80	Fan case	06-10					
S2-46	3 20	Fan case		06-10				
S3-46	3 60	Fan case			06-10			
S4-46	4 80	Fan case				06-10		
S5-46	5 60	Fan case					06-10	
S1-47	80	Feed shoe	06-10	06-10				
S3-47	90	Feed shoe			06-10	06-10		
S5-47	1 10	Feed shoe					06-10	
S1-48	2 45	Cam sleeve	17-19	17-19				
S3-48	3 15	Cam sleeve			17-19	17-19		
S5-48	3 15	Cam sleeve					17-19	
S1-49	2 45	Agitator yoke	17-19	17-19				
S3-49	3 15	Agitator yoke			17-19	17-19	17-19	
S1-50	1 55	Weevil spout agitator	17-19					
S2-50	1 80	Weevil spout agitator		17-19				
S3-50	2 00	Weevil spout agitator			17-19			
S4-50	2 65	Weevil spout agitator				17-19		
S5-50	3 05	Weevil spout agitator					17-19	
S1-51	1 90	Bolter agitator	17-19					
S2-51	2 10	Bolter agitator		17-19				
S3-51	2 40	Bolter agitator			17-19			
S4-51	3 20	Bolter agitator				17-19		
S5-51	3 70	Bolter agitator					17-19	
S1-52	90	Agitator yoke stud	17-19	17-19	17-19	17-19	17-19	
S1-53	35	Bolter agitator spring	19	19	19	19	19	
S1-54	35	Weevil spout agitator spring	19	19	19	19	19	
S1-55	35	Wabblers pressure spring	19	19	19	19	19	
S1-56	1 35	Wabblers ring	19	19				
S3-56	1 35	Wabblers ring			19	19		
S5-56	1 35	Wabblers ring					19	
S1-57	1 35	Wabblers ball bearing container	19	19	19	19	19	
S1-58	90	Race for ball bearing wabblers	19	19	19	19	19	
S1-59	1 80	Ball bearing for wabblers (retainer with balls only)	19	19	19	19	19	
S1-60	1 55	Weevil spout agitator	19					
S2-60	1 80	Weevil spout agitator		19				
S3-60	2 00	Weevil spout agitator			19			
S4-60	2 65	Weevil spout agitator				19		
S5-60	3 05	Weevil spout agitator					19	
S1-61	1 90	Bolter agitator	19					
S2-61	2 10	Bolter agitator		19				
S3-61	2 45	Bolter agitator			19			
S4-61	3 20	Bolter agitator				19		
S5-61	3 70	Bolter agitator					19	
S1-62	90	Composition metal ring	19	19				
S3-62	90	Composition metal ring			19	19		
S5-62	90	Composition metal ring					19	
S1-63	2 40	Center bearing cap with studs	19	19				
S3-63	2 70	Center bearing cap with studs			19	19		
S5-63	4 15	Center bearing cap with studs					19	
S1-80	13 20	Wabblers, complete	19					
S2-80	13 70	Wabblers, complete		19				
S3-80	14 50	Wabblers, complete			19			
S4-80	15 95	Wabblers, complete				19		
S5-80	18 25	Wabblers, complete					19	

If you order parts from Meadows Mill Company, North Wilkesboro, N.C. they will be shipped same day order is received provided you have given all necessary information with which to intelligently fill your order.

TERMS: Repair parts are CASH. If you send money order or Cashiers Check with your order for the price of parts as given in this list we will prepay transportation charges. Otherwise, shipment will be made COD, with transportation charges and COD fees added. Due to many COD shipments of parts being refused, causing us to lose transportation charges both ways, we reserve the right to require a cash deposit with order before shipment is made. It is best, cheapest, and quickest to send money with order. The prices of parts are given in this list.

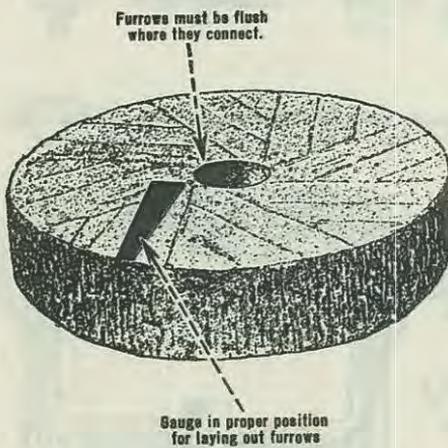


Illustration No. 4

Improperly dressed burr.
 Note the narrow, shallow furrows not extending out to edge.

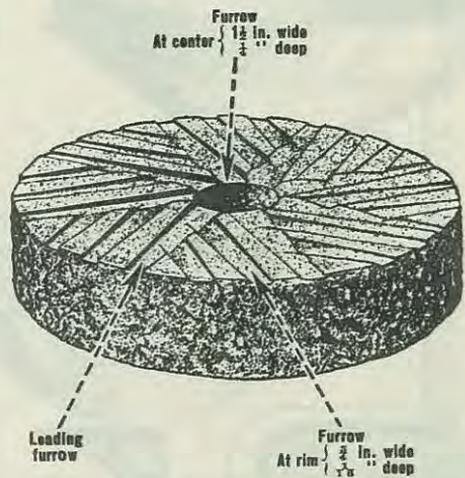


Illustration No. 5

Properly dressed burr.
 Note the wide, deep furrows.

The parts in this list are for old model mills built from 1906 to 1926. You should own one of our new model improved Mills. If interested, write us for prices. We are making them better all the time. A MEADOWS HAMMER MILL is a money-making companion to a grist mill. You should own one. Also we build MEADOWS SAW MILLS and WOOD SAWS. If we can at any time give you any information or render any service, call on us. Your request will receive immediate and cheerful attention. We answer all letters and ship all repair orders the very day they are received.

MEADOWS MILL COMPANY, NORTH WILKESBORO, N.C., U.S.A.

OPERATING INSTRUCTIONS AND PARTS LIST FOR EUREKA STONE BURR MILLS

MODEL NUMBERS

~~172.12~~ ~~172.20~~
~~172.16~~ ~~172.24~~
172.30

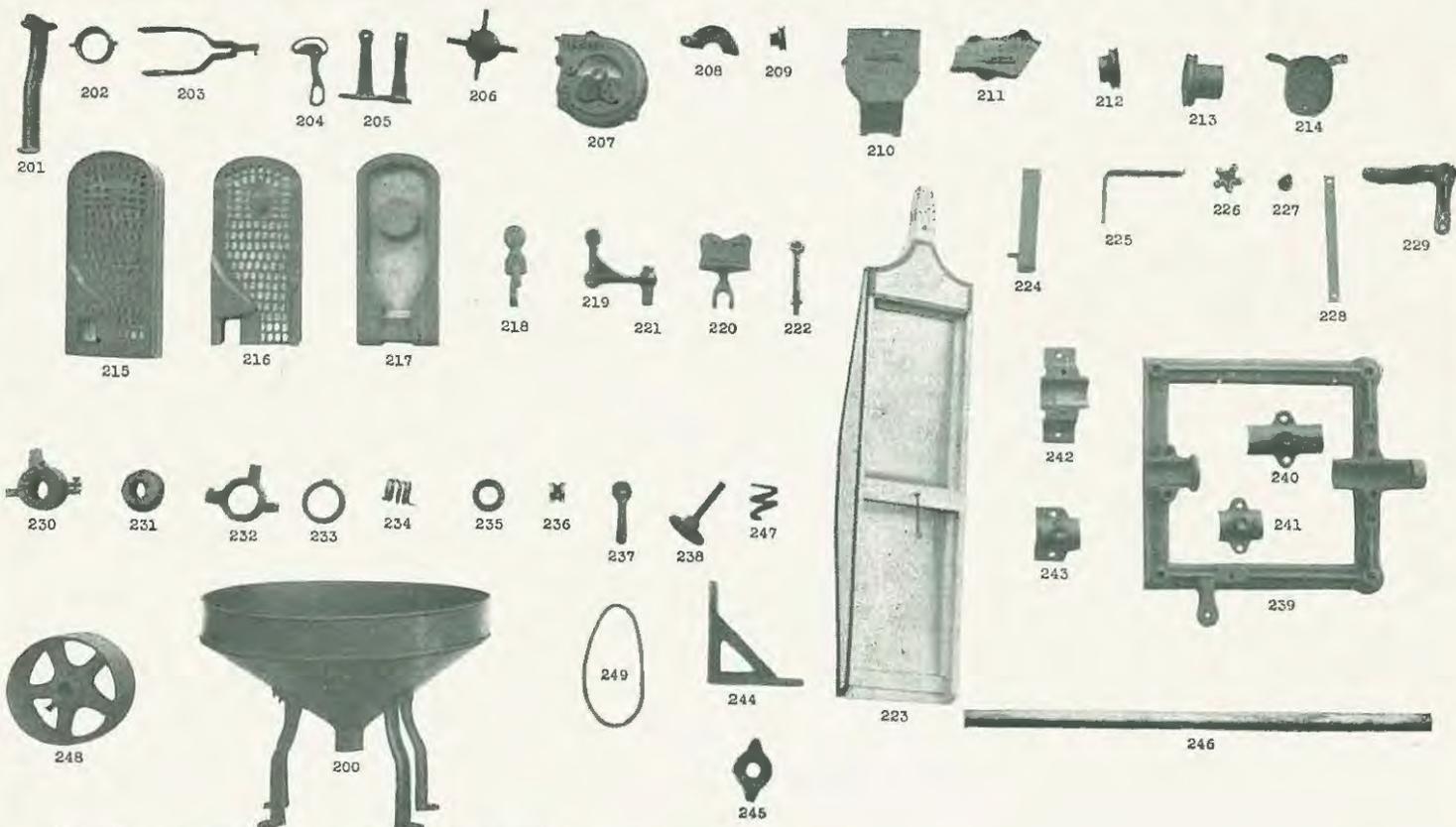
The model number of your mill will be found on a plate located on the end of mill above meal spout. Always mention this model number when communicating with us regarding your mill or when ordering parts.

This list is valuable. It will assure your being able to obtain proper parts service at all times. We suggest you keep it with other valuable papers.

SEARS, ROEBUCK AND CO.

HOW TO ORDER PARTS FOR EUREKA STONE BURR MILL MODEL NUMBERS 172.12 — 172.16 — 172.20 — 172.24 — 172.30

All parts listed here may be ordered through any Sears retail or mail order store. In ordering parts by mail from the mail order store which serves the territory in which you live, always be sure to include sufficient postage (the weight of each part is shown in the list). When ordering, always give the part number, part name, AND the model number of your mill, which will be found on name plate fastened on end of mill directly above meal spout.



All prices are subject to change without notice.

Parts No.	Name of Part	Shipping Weight	Selling Price (each)	Parts No.	Name of Part	Shipping Weight	Selling Price (each)
PARTS LIST FOR MODEL NO. 172.12				246	Main Shaft	23 Lbs.	\$ 3.60
200	Hopper, complete with legs attached	25 Lbs.	\$ 5.50	247	Spiral Feed Conveyor	1 "	.50
201	Hopper Legs	5 "	.75	248	Drive Pulley, 8"x4"	25 "	3.35
202	Feed Cut-off Band	2 "	.90	250	Runner Stone, banded, furrowed & dressed	75 "	12.50
203	Feed Control Fork	3 "	1.40	251	Station'y or bed stone, furrow'd & dressed	65 "	12.00
204	Feed Control Lever	2 "	.60	252	Furrow Gauge (not illustrated)	2 Oz.	.20
205	Feed Control Stand	5 "	2.00	253	Meal Spout	2 Lbs.	.50
210	Grain Feed Spout	7 "	3.00		Rubber Bushing for Sifter Vibrator, also for Weevil Spout Vibrator	4 Oz.	.10
214	Grain Receiver	3 "	1.50	254	Valve finger under screen of weevil spout	1 Lb.	.50
215	Weevil Spout Complete	6 "	6.00	PARTS LIST FOR MODEL NO. 172.16			
216	Corn Screens for Weevil Spout	3 "	3.00	200	Hopper, complete with legs attached	30 Lbs.	\$6.50
217	Wheat Screens for Weevil Spout	3 "	3.50	201	Hopper Legs	5 "	.75
218	Connecting Iron for Weevil Spout	2 "	.80	202	Feed Cut-off Band	2 "	.90
219	Weevil Spout Vibrator	4 "	1.40	203	Feed Control Fork	3 "	1.40
220	Vibrator Support	5 "	1.60	204	Feed Control Lever	2 "	.60
221	Clevis for Vibrator Connecting Rod, also for Sifter Connecting Rod	1 "	1.00	205	Feed Control Stand	5 "	2.00
222	Vibrator Connecting Rod	1 "	.60	206	Fan	3 "	2.00
223	Sifter Complete (Meal)	7 "	4.00	207	Fan Case	10 "	3.60
224	Wooden Sifter Hanger	1 "	.50	208	Fan Case Door and Wing Bolt	1 "	.40
225	Sifter Hanger Bracket	2 "	.40	209	Grooved Pulley for Shaft	1 "	.60
226	Sifter Adjusting Nut	2 "	.50	210	Grain Feed Spout	8 "	3.50
227	Rubber Bushing for Sifter Head	8 Oz.	.50	211	Dust Spout	4 "	1.20
228	Sifter Vibrator Connecting Rod	2 Lbs.	.40	212	Fan Drive Pulley	3 "	1.00
229	Sifter Vibrator	4 "	2.00	213	Comb. Fan and Elevator Drive Pulley	4 "	1.40
230	Eccentric Complete	6 "	4.00	214	Grain Receiver	3 "	1.50
231	Eccentric Hub Only	3 "	1.60	215	Weevil Spout Complete	6 "	6.00
232	Eccentric Strap Only	3 "	2.40	216	Corn Screens for Weevil Spout	3 "	3.00
233	Eccentric Ring Only	2 "	1.00	217	Wheat Screens for Weevil Spout	3 "	3.50
234	Relief Spring (Coil)	1 "	.60	218	Connecting Iron for Weevil Spout	2 "	.80
235-A	Inside Collar for Relief Spring	1 "	.50	219	Weevil Spout Vibrator	4 "	1.40
235-B	Outside Collar for Relief Spring	1 "	.50	220	Vibrator Support	5 "	1.60
236	Ball Thrust Bearing	1 "	2.40	221	Clevis for Vibrator Connecting Rod, also for Sifter Connecting Rod	1 "	1.00
237	Lock Lever	2 "	1.00	222	Vibrator Connecting Rod	1 "	.60
238	Thrust Screw and Hand Wheel	3 "	2.40	223	Sifter Complete (Meal)	7 "	4.00
239	Iron Yoke Frame, Bearings Babbited	60 "	8.00	224	Wooden Sifter Hanger	1 "	.50
240	Thrust End Bearing Cap	5 "	1.80	225	Sifter Hanger Bracket	2 "	.50
241	Middle Bearing Cap	3 "	1.60	226	Sifter Adjusting Nut	2 "	.50
242	Rear End Bearing Base	6 "	2.00	227	Rubber Bushing for Sifter Head	8 Oz.	.50
243	Rear End Bearing Cap	3 "	1.00	228	Sifter Vibrator Connecting Rod	2 Lbs.	.60
245	Drive Iron for Runner Stone	5 "	1.00	229	Sifter Vibrator	4 "	2.00

Parts No.	Name of Part	Shipping Weight	Selling Price (each)	Parts No.	Name of Part	Shipping Weight	Selling Price (each)
230	Eccentric Complete	6 Lbs.	\$ 4.00	PARTS LIST FOR MODEL NO. 172.24			
231	Eccentric Hub Only	3 "	1.60	200	Hopper, complete with legs attached	35 Lbs.	\$ 7.50
232	Eccentric Strap Only	3 "	2.40	201	Hopper Legs	6 "	.90
233	Eccentric Ring Only	2 "	1.00	202	Feed Cut-off Band	2 "	.90
234	Relief Spring (Coil)	1 "	.60	203	Feed Control Fork	3 "	1.40
235-A	Inside Collar for Relief Spring	1 "	.50	204	Feed Control Lever	2 "	.60
235-B	Outside Collar for Relief Spring	1 "	.50	205	Feed Control Stand	5 "	2.00
236	Ball Thrust Bearing	1 "	2.40	206	Fan	4 "	2.80
237	Lock Lever	2 "	1.00	207	Fan Case	12 "	4.80
238	Thrust Screw and Hand Wheel	3 "	2.40	208	Fan Case Door and Wing Bolt	1 "	.40
239	Iron Yoke Frame, Bearings Babbited	70 "	12.50	209	Grooved Pulley for Shaft	1 "	.60
240	Thrust End Bearing Cap	5 "	2.50	210	Grain Feed Spout	9 "	5.00
241	Middle Bearing Cap	3 "	2.00	211	Dust Spout	5 "	1.60
242	Fan End Bearing Base	7 "	3.00	212	Fan Drive Pulley	4 "	1.40
243	Fan End Bearing Cap	3 "	1.00	213	Comb. Fan and Elevator Drive Pulley	5 "	2.00
245	Drive Iron for Runner Stone	5 "	1.00	214	Grain Receiver	3 "	2.00
246	Main Shaft	25 "	4.00	215	Weevil Spout Complete	6 "	8.00
247	Spiral Feed Conveyor	1 "	.50	216	Corn Screens for Weevil Spout	4 "	4.00
248	Drive Pulley, 10"x5"	30 "	4.45	217	Wheat Screens for Weevil Spout	4 "	4.50
249	Fan Belt	8 Oz.	.60	218	Connecting Iron for Weevil Spout	2 "	.80
250	Runner Stone, banded, furrowed & dressed	135 Lbs.	16.00	219	Weevil Spout Vibrator	4 "	1.40
251	Station'y or bed stone, furrow'd & dressed	115 "	14.50	220	Vibrator Support	5 "	1.60
	Furrow Gauge (not illustrated)	2 Oz.	.20	221	Clevis for Vibrator Connecting Rod, also for Sifter Connecting Rod	1 "	1.00
252	Meal Spout	2 Lbs.	.60	222	Vibrator Connecting Rod	2 "	.90
253	Rubber Bushing for Sifter Vibrator, also for Weevil Spout Vibrator	4 Oz.	.10	223	Sifter Complete (Meal) (wrapped)	8 "	5.00
254	Valve finger under screen of weevil spout	1 Lb.	.50	224	Wooden Sifter Hanger	2 "	.60
PARTS LIST FOR MODEL NO. 172.20				225	Sifter Hanger Bracket	3 "	.60
200	Hopper, complete with legs attached	30 Lbs.	\$ 6.50	226	Sifter Adjusting Nut	2 "	.50
201	Hopper Legs	5 "	.75	227	Rubber Bushing for Sifter Head	8 Oz.	.50
202	Feed Cut-off Band	2 "	.90	228	Sifter Vibrator Connecting Rod	2 Lbs.	.90
203	Feed Control Fork	3 "	1.40	229	Sifter Vibrator	4 "	2.00
204	Feed Control Lever	2 "	.60	230	Eccentric Complete	10 "	6.00
205	Feed Control Stand	5 "	2.00	231	Eccentric Hub Only	5 "	2.50
206	Fan	3 "	2.00	232	Eccentric Strap Only	4 "	3.00
207	Fan Case	10 "	3.60	233	Eccentric Ring Only	2 "	1.60
208	Fan Case Door and Wing Bolt	1 "	.40	234	Relief Spring (Coil)	1 "	1.00
209	Grooved Pulley for Shaft	1 "	.60	235-A	Inside Collar for Relief Spring	2 "	.80
210	Grain Feed Spout	8 "	4.00	235-B	Outside Collar for Relief Spring	2 "	.80
211	Dust Spout	4 "	1.20	236	Ball Thrust Bearing	2 "	3.20
212	Fan Drive Pulley	3 "	1.20	237	Lock Lever	2 "	1.00
213	Comb. Fan and Elevator Drive Pulley	4 "	1.60	238	Thrust Screw and Hand Wheel	3 "	2.40
214	Grain Receiver	3 "	1.50	239	Iron Yoke Frame, Bearings Babbited	90 "	16.00
215	Weevil Spout Complete	6 "	6.00	240	Thrust End Bearing Cap	5 "	3.00
216	Corn Screens for Weevil Spout	3 "	3.00	241	Middle Bearing Cap	4 "	2.80
217	Wheat Screens for Weevil Spout	3 "	3.50	242	Fan End Bearing Base	8 "	5.00
218	Connecting Iron for Weevil Spout	2 "	.80	243	Fan End Bearing Cap	4 "	1.80
219	Weevil Spout Vibrator	4 "	1.40	244	Angle Brace for Mill Frame	7 "	1.50
220	Vibrator Support	5 "	1.60	245	Drive Iron for Runner Stone	5 "	1.60
221	Clevis for Vibrator Connecting Rod, also for Sifter Connecting Rod	1 "	1.00	246	Main Shaft	45 "	5.60
222	Vibrator Connecting Rod	2 "	.80	247	Spiral Feed Conveyor	2 "	.90
223	Sifter Complete (Meal) (wrapped)	8 "	5.00	248	Drive Pulley, 14"x6"	40 "	6.70
224	Wooden Sifter Hanger	2 "	.50	249	Fan Belt	8 Oz.	.80
225	Sifter Hanger Bracket	3 "	.60	250	Runner Stone, banded, furrowed & dressed	275 Lbs.	24.00
226	Sifter Adjusting Nut	2 "	.50	251	Station'y or bed stone, furrow'd & dressed	225 "	22.00
227	Rubber Bushing for Sifter Head	8 Oz.	.50		Furrow Gauge (not illustrated)	2 Oz.	.20
228	Sifter Vibrator Connecting Rod	2 Lbs.	.80	252	Meal Spout	2 Lbs.	.80
229	Sifter Vibrator	4 "	2.00	253	Rubber Bushing for Sifter Vibrator, also for Weevil Spout Vibrator	4 Oz.	.10
230	Eccentric Complete	10 "	5.00	254	Valve finger under screen of weevil spout	1 Lb.	.50
231	Eccentric Hub Only	5 "	2.00	PARTS LIST FOR MODEL NO. 172.30			
232	Eccentric Strap Only	4 "	3.00	200	Hopper, complete with legs attached	35 Lbs.	\$ 7.50
233	Eccentric Ring Only	2 "	1.60	201	Hopper Legs	6 "	.90
234	Relief Spring (Coil)	1 "	.80	202	Feed Cut-off Band	2 "	.90
235-A	Inside Collar for Relief Spring	1 "	.60	203	Feed Control Fork	3 "	1.40
235-B	Outside Collar for Relief Spring	1 "	.60	204	Feed Control Lever	2 "	.60
236	Ball Thrust Bearing	1 "	2.80	205	Feed Control Stand	5 "	2.00
237	Lock Lever	2 "	1.00	206	Fan	4 "	2.80
238	Thrust Screw and Hand Wheel	3 "		207	Fan Case	12 "	4.80
239	Iron Yoke Frame, Bearings Babbited	75 "	14.50	208	Fan Case Door and Wing Bolt	1 "	.40
240	Thrust End Bearing Cap	5 "	2.50	209	Grooved Pulley for Shaft	1 "	.60
241	Middle Bearing Cap	3 "	2.40	210	Grain Feed Spout	13 "	6.00
242	Fan End Bearing Base	8 "	4.00	211	Dust Spout	5 "	1.60
243	Fan End Bearing Cap	4 "	1.60	212	Fan Drive Pulley	4 "	1.40
245	Drive Iron for Runner Stone	5 "	1.20	213	Comb. Fan and Elevator Drive Pulley	5 "	2.00
246	Main Shaft	30 "	4.80	214	Grain Receiver	3 "	2.00
247	Spiral Feed Conveyor	1 "	.60	215	Weevil Spout Complete	6 "	8.00
248	Drive Pulley, 12"x6"	33 "	5.80	216	Corn Screens for Weevil Spout	4 "	4.00
249	Fan Belt	8 Oz.	.70	217	Wheat Screens for Weevil Spout	4 "	4.50
250	Runner Stone, banded, furrowed & dressed	200 Lbs.	20.00	218	Connecting Iron for Weevil Spout	2 "	.80
251	Station'y or bed stone, furrow'd & dressed	150 "	18.00	219	Weevil Spout Vibrator	4 "	1.40
	Furrow Gauge (not illustrated)	2 Oz.	.20	220	Vibrator Support	5 "	1.60
252	Meal Spout	2 Lbs.	.70	221	Clevis for Vibrator Connecting Rod, also for Sifter Connecting Rod	1 "	1.00
253	Rubber Bushing for Sifter Vibrator, also for Weevil Spout Vibrator	4 Oz.	.10	222	Vibrator Connecting Rod	2 "	.90
254	Valve finger under screen of weevil spout	1 Lb.	.50	223	Sifter Complete (Meal) (crated)	25 "	6.00
				224	Wooden Sifter Hanger	2 "	.60

(Parts List Continued on Next Page)

Parts No.	Name of Part	Shipping Weight	Selling Price (each)	Parts No.	Name of Part	Shipping Weight	Selling Price (each)
225	Sifter Hanger Bracket	4 Lbs.	\$.75	241	Middle Bearing Cap	4 Lbs.	\$ 2.80
226	Sifter Adjusting Nut	2 "	.50	242	Fan End Bearing Base	8 "	5.00
227	Rubber Bushing for Sifter Head	8 Oz.	.50	243	Fan End Bearing Cap	4 "	1.80
228	Sifter Vibrator Connecting Rod	3 Lbs.	.90	244	Angle Brace for Mill Frame	7 "	1.50
229	Sifter Vibrator	4 "	2.00	245	Drive Iron for Runner Stone	5 "	1.60
230	Eccentric Complete	10 "	6.00	246	Main Shaft	50 "	6.00
231	Eccentric Hub Only	5 "	2.50	247	Spiral Feed Conveyor	2 "	.90
232	Eccentric Strap Only	4 "	3.00	248	Drive Pulley, 16"x8"	75 "	9.20
233	Eccentric Ring Only	2 "	1.60	249	Fan Belt	8 Oz.	.90
234	Relief Spring (Coil)	1 "	1.00	250	Runner Stone, banded, furrowed & dressed	410 Lbs.	28.00
235-A	Inside Collar for Relief Spring	2 "	.80	251	Station'y or bed stone, furrow'd & dressed	325 "	26.00
235-B	Outside Collar for Relief Spring	2 "	.80		Furrow Gauge (not illustrated)	2 Oz.	.20
236	Ball Thrust Bearing	2 "	3.20	252	Meal Spout	3 Lbs.	.90
237	Lock Lever	2 "	1.00	253	Rubber Bushing for Sifter Vibrator, also for Weevil Spout Vibrator	4 Oz.	.10
238	Thrust Screw and Hand Wheel	3 "	2.40	254	Valve finger under screen of weevil spout	1 Lb.	.50
239	Iron Yoke Frame, Bearings Babbited	120 "	18.00				
240	Thrust End Bearing Cap	5 "	3.00				

If runner stone is wanted mounted on shaft, add price of shaft and drive iron.

Operating Instructions For Eureka Stone Burr Mill Model Numbers 172.12 — 172.16 — 172.20 — 172.24 — 172.30

IMPORTANT. Before accepting mill from transportation company see that no parts are broken, damaged or lost. The sifter is wired inside of crate and meal spout is fastened on top of mill. All other parts are in place ready to run, except sifter hanger arm and vibrator which are turned in to avoid danger of breaking. It sometimes happens that a mill is dropped or thrown heavily on end in shipping with enough force to strain the frame or casing, throwing the stones out of alignment. **Be sure to notice if the mill shows signs of rough handling, and if there is anything broken, damaged or missing.** If so, have the delivering agent make proper notation on freight bill or delivery ticket.

PLACING THE MILL. The floor of mill house should be amply strong to carry weight of mill without vibration. No special foundation is necessary when this is so. Instead of bolting mill to floor, it is better to nail a cleat to the floor on the power side of the mill, with a wedge partly inserted between the mill sill and cleat at each end. The belt can then be tightened when necessary by driving in the wedges. When possible, place the mill about 15 feet from power, so the belt will not have to be run too tight.

TO START THE MILL. Mills are shipped with the stones turned close together to avoid damage in transit. Before starting the mill lift the lock lever and turn the thrust wheel back about one round to let the runner stone turn freely without touching bed stone. Also see that mill is properly lubricated. Fill oil wells on three main bearings with cotton waste and squirt oil freely on this. Fill grease cups on eccentric and fan shaft with cup grease. Next, start the mill and turn thrust wheel until stones rub together, then back off slightly so the stones run as close together as possible without actually touching. The stones should never be rubbed together when grinding as this will give the meal a burnt taste, besides glazing the burrs, and if continually rubbed together will cause heat which may cause the stones to crack. Never run the mill at a speed faster than stencilled on mill. An arrow on mill shows the direction that mill and pulley should run.

THE FEED CONTROL. The flow of grain from hopper to mill is controlled by simply raising or lowering the hand lever or feed control. This lever should stay in any position where placed, but if it should ever become loose, it is only necessary to loosen lock nut on pivot bolt and turn up bolt enough to tighten.

WEEVIL SPOUT. All screened out waste goes out with the dust from the cleaning fan. If it is desired to grind wheat or other small grain with regular corn screens in Weevil Spout, it is only necessary to lift up top screen of Weevil Spout and reverse the valve finger under the screen. This allows the small grain which goes through the bottom screen to go into the mill instead of out the dust spout.

SIFTER. The sifter is supported by an adjustable wooden sifter hanger (No. 224) and operated by sifter vibrator (No. 229) connected by means of sifter rod to the eccentric (No. 230) which works on main shaft of mill. The sifter vibrator (No. 229) bolts to main cast frame of mill, using bolt which will be found in hole in the lug (The lock nut should always be on the bottom of lug). Two holes are provided for connecting eccentric rod to sifter vibrator. The inside hole gives greater vibration to sifter and is for use on large mills or in cases where mill is run at lower than rated speed, or when greater vibration is wanted. If the bran works toward upper end of sifter instead of going off the lower or tail end as it should, a very slight adjustment of wooden sifter hanger (No. 224) by tapping either to the right or left, will change the direction of bran and flow of meal.

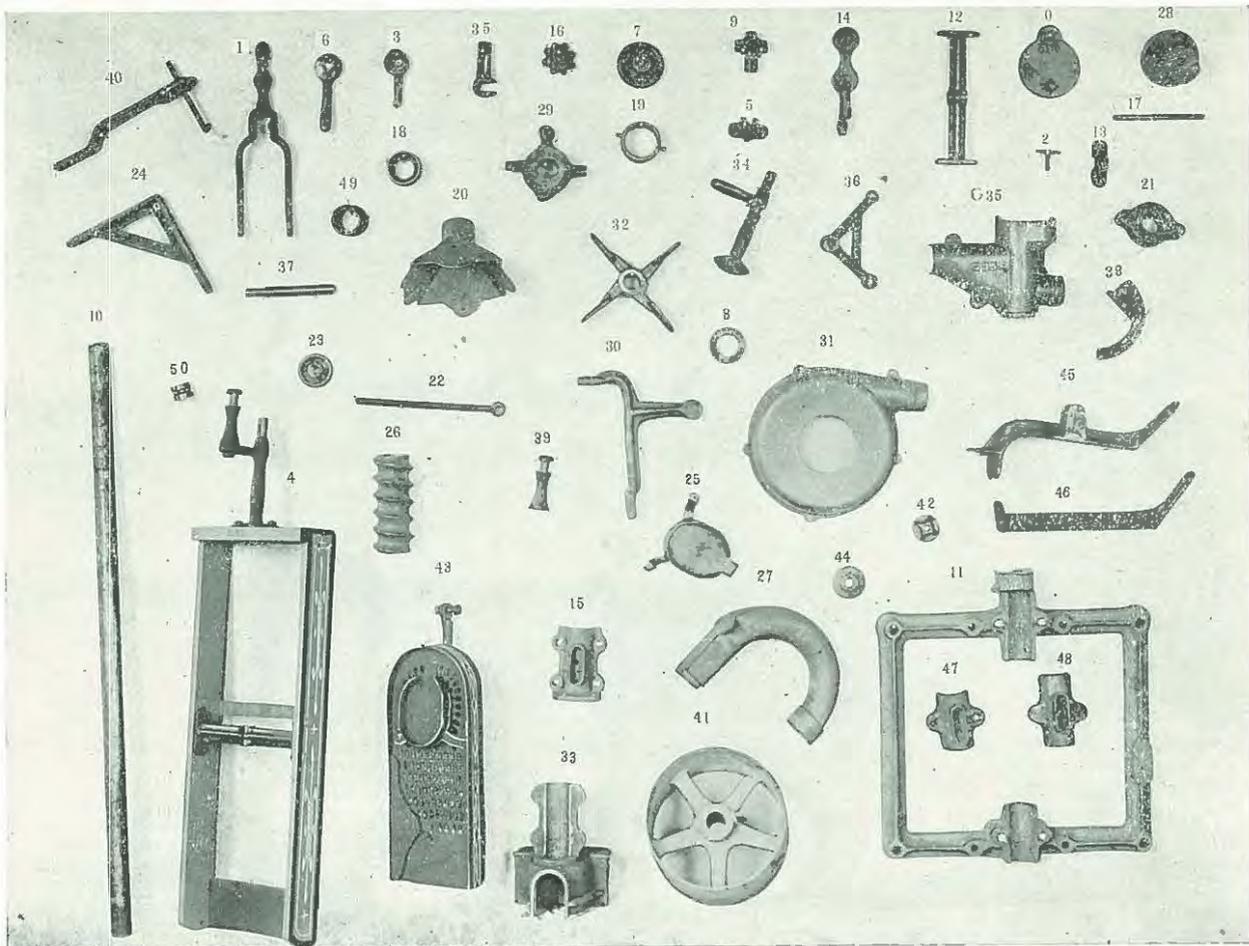
CARE OF BURRS. On account of the fact that the stones used in these mills need so little sharpening, many operators make the mistake of giving them no attention at all. It is much easier to give the stones a light dressing before they need it badly than wait until the furrows are nearly worn out and have to be entirely re-cut. If you find that the capacity of mill is smaller than formerly, or that the meal or flour is heating, examine the burrs. To open the mill, take out the lag screw in the base of each hopper leg and set the hopper off out of the way. Loosen the set screw in the fan drive pulley and remove this pulley from the end of shaft. Take out the clamp bolts which hold the two halves of mill casing together. There are two of these on each side of the smaller sizes of mills and three on the larger sizes. An easy way to remove the rear half, or fan side, of mill casing is to run a warehouse truck between the sills of mill, catch the lip of truck under the bottom of casing and bear down on the handles enough to lighten the weight of casing from the sills and pull back. When the casing is withdrawn enough for the end of shaft to pass through the rear

bearing (the cap of this bearing should have been slightly loosened), the half of casing may be laid flat on the truck, with the face of bed stone up, which is the best position for dressing the stone. Leave the runner stone in place in the other half of mill and set this section of mill up on end so that it rests on the ends of sills, and on the thrust wheel. This leaves the face of runner stone horizontal and about the right height to dress while standing. On account of the hardness of these stones few picks will cut them, and it is well for every mill owner to provide himself with one or more of the hand tempered mill picks we make especially for this purpose.

TESTING STONES FOR ALIGNMENT AND GUIDE FOR DRESSING. It is very important that the stones be dressed evenly on all sections to maintain the very accurate alignment necessary for grinding cool, even meal. When the mill is adjusted for fine grinding, the stones are only the thickness of a thin sheet of paper apart, and if the faces are not kept perfectly parallel it is evident that this condition will have a serious effect on proper grinding. The following is a sure method of testing the stones for alignment, and also a guide for even dressing, and we advise that it be used before each dressing of the stones.

When the back half of mill casing is being removed, and before it is moved back entirely from the sills of mill, reach in the open space between the stones and paint the flat grinding surfaces of each stone with the most convenient kind of cold water paint (Powdered Venetian Red, or brick dust mixed with water will do). Then put the two halves of mill back together and run the mill for a few minutes with the stones turned up so they rub together. When the mill is again opened as above, the paint should be rubbed evenly all over if the stones are perfectly parallel. In this case dressing the stones as described below will involve only cutting through the remaining paint which will act as a guide for uniform dressing all around the stones. If the above painting test shows the paint rubbed off on one side and not touched on the other, it shows that the section where the paint is rubbed to be too high and this part only is picked off and the test repeated until the stones rub evenly on all flat sections. Since any factor which is likely to disturb the alignment of the stones, such as swelling of the wood frame from abnormal moisture, etc., will affect the position of the bed stone, so practically all of the dressing to correct the alignment will be required on this stone.

DRESSING. Go over the entire surface of both stones with short, even, tapping strokes of the pick, with the cut of each stroke pointing toward the center of the stone. The closer the cuts are together, the finer the dress. A fine dress is better for fine grinding and a coarse dress for fast and coarse grinding. Remember that no part of the surface of stone should be rounded. This refers both to lands or level grinding surfaces and furrows. Each flat land or grinding surface drops square off to the bottom of the next furrow, the furrow slopes up in a straight line to a feather edge to the next land. The bottom of each furrow should be about 5-16" deep at the eye of the stone and slope out to about 1-16" at the edge of the stone. This refers to lengthwise slope of furrow from inside source to outside edge of stone. Deepening the furrow at the edge of stone will cause coarse meal to come from the mill, and if it is too deep occasionally whole grains will pass through mill. The furrows should be wider at point or origin than where they end at rim of stone. The lands or grinding surfaces should be just the reverse, narrower at origin and wider at outer edge of stone. Always dress furrows, as well as lands, being careful to keep the same draft and shape of both as originally laid off at the factory. We cannot be responsible for the satisfactory service of mill when the draft or dressing of burrs is changed, or when improperly dressed. Neither stone should be dressed concave or hollow in the middle, but each land or finishing surface should be kept level through its whole length. The grain is broken up in the furrow and the fine grinding is finished on the land. We have found by long experience that the maximum capacity with the least power is to be had with the arrangement and proportion of furrows and lands as originally laid out. In putting mill back together be sure that no meal or trash is lodged on sills to keep both halves from fitting closely together. Also see that the bolts holding halves together are tightened evenly all around. The secret of successfully operating your mill is in keeping the stones in proper alignment, properly dressed and sharpened. If you do this correctly your mill will give you the long and satisfactory service which is built into it.



DEALERS NET PRICES ON REPAIR PARTS, August 1st, 1918

	Class 1 14 in. Mill	Class 2 16, 18, 20	Class 3 22, 24, 26, 30
A-0-Fan Door	.25	.25	.30
1-Feed Fork	.65	.75	.75
2-Fan Door Bolt	.15	.15	.15
3-Thrust Finger	.30	.30	.30
4-Sifter Complete	3.00	3.00	4.00
5-Oil Lid	.10	.10	.10
6-Lock Lever	.40	.40	.40
7-Thrust Wheel	1.00	1.00	1.00
8-Spring Washer	.20	.25	.25
9-Eccentric Head Bearing	.75	.75	.75
10-Shaft	3.00	4.00	5.00
11-Frame	7.00	9.00	11.00
12-Sifter Brace	.50	.50	.50
13-Feed Wheel Base	.25	.25	.25
14-Shoe Iron	.75	.75	.75
15-Cap for Grain Bearing	1.00	1.20	1.30
16-Feed Wheel	.25	.25	.25
17-Feed Wheel Rod	.25	.25	.25
18-Spring Housing	.40	.50	.60
19-Cut Off Band	.50	.50	.50
20-Hopper Spouts	.75	.75	.75
21-Drive Iron	1.00	1.00	1.00
22-Eccentric Rod	.30	.30	.30
23-Sifter Hanger Adjuster	.25	.25	.25
24-Brace	1.00	1.50	2.00
25-Shoe Casting	.50	.60	.60
26-Feed Screw	1.00	1.10	1.20

	Class 1 14 in Mill	Class 2 16, 18, 20	Class 3 22, 24, 26, 30
27-Return Bend	1.50	1.50	1.50
28-Thrust Head	1.50	1.50	1.50
29-Eccentric	2.00	2.50	2.50
30-Sifter Support	1.00	1.00	1.00
31-Fan Casing	2.00	2.00	2.25
32-Fan	1.00	1.00	1.00
33-End Bearing Box	1.50	1.50	2.00
34-Sifter Head	.75	.75	.75
35-Eccentric Rod Hook	.75	.75	.75
35-ABCDEFGH Grain Spout	2.00	2.50	3.00
36-Shoe Vibrator	.50	.50	.50
37-Thrust Screw	.50	.50	.50
38-Thrust Finger Plate (disc)	.50	.50	.50
39-Part of Sifter Head	.25	.25	.25
40-Sifter Hanger	.65	.75	.75
41-Pulley	3.00	4.00	5.00
42-Head Washer	.25	.35	.40
43-Grain Shoe	3.00	3.00	4.00
44-Hinge Bolt Washer	.25	.35	.40
45-Back Hopper Support	1.25	1.50	2.00
46-Side Hopper Support	.60	.75	1.00
47-Central Bearing Cap	1.00	1.25	1.50
48-Thrust End Bearing Cap	1.25	1.50	1.75
49-Thrust Spring	.25	.30	.40
50-Thrust Ball Bearing	1.65	1.90	2.50
51-Hopper (without spout)	3.00	3.50	4.00

(For Hopper complete add part No. 20)

MEADOWS MEAL BAGS

We offer to our customers and owners of Meadows stone burr mills, quality meal bags in four sizes. These bags are made of top grade Kraft paper, attractively printed, two colors, in standard form as illustrated below. We buy these bags in lots of 100,000 and by using standard printing, we are able to offer excellent bags in small quantities at reasonable prices. It pays to pack your products in attractive containers. The Federal Government has ruled that the contents of meal bags be accurately described. Therefore, the bags must specify whether they contain white or yellow, also whether bolted or unbolted, meal. Our bags are printed for bolted, white corn meal, as this fills the needs of the vast majority of our customers. If you are selling unbolted meal, we can supply a rubber stamp with the letters "UN" which can be used to change the printing to "UNBOLTED."

You will note there is space at the bottom of the bags for miller's name and address. For this purpose we can supply a two-line rubber stamp together with ink pad and thus you can identify yourself as the miller of excellent burr ground, clean and sanitary meal.

We are prepared to furnish bags with special printing, if you can buy in large quantities. In small quantities, the printing runs the price too high. The minimum is 5,000 assorted as to size but with the same printing. The price is better in lots of 10,000 or more.

RUBBER STAMP AND PAD

Two-line stamp, 4" long, 3/8" letters for imprinting name and address on bags in blank space provided. (You will find many other uses for this stamp.) Note. stamps are made to order, and if error is made in name or address, it is a total loss. Be sure in ordering to check wording, spelling and legibility of copy to avoid errors.

Showing relative size of bags and standard printing in colors. "John Doe, Doesville, U.S.A.," illustrates imprint of rubber stamp. All four sizes of bags have blank space for miller's name and address.

SPECIFICATIONS OF MEAL BAGS

Size	Shipping Weight		Standard Pkg.	Size	Shipping Weight		Standard Pkg.
	Per 100	Per 1000			Per 100	Per 1000	
2 lb.	3 lbs.	22 lbs.	1000	10 lb.	6 lbs.	57 lbs.	1000
5 lb.	4 lbs.	36 lbs.	1000	25 lb.	14 lbs.	140 lbs.	500

Grist Mills
Hammer Mills



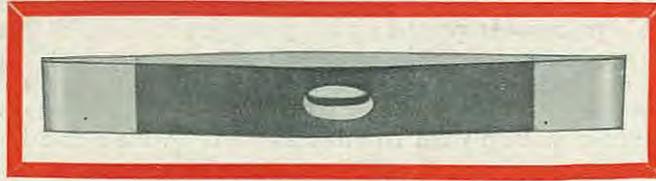
Saw Mills
Mill Supplies

MEADOWS MILL COMPANY

NORTH WILKESBORO, N. C. U. S. A.

TOOLS FOR DRESSING MILL STONES

The secret of success in operating stone burr mills is keeping the stones properly dressed, sharpened and in perfect alignment. This necessary job is made much easier with proper tools, and we offer the best tools available for dressing mill stones.



Meadows No. 27 Guaranteed Hand Pick

The old reliable No. 27 Hand Pick is made from high grade tool steel, hand forged and tempered in our shop. Thousands of stone burr mill owners and operators all over the world are users of Meadows No. 27 picks. Every operator should have at least two No. 27 picks, regardless of power tools, because the last fine dress put on the stones should be done by hand. In making new mills, we use power tools for heavy cutting on the stones, but for the last fine dress we use hand picks. Our No. 27 pick is guaranteed in that if it breaks or batters we will replace gratis when defective pick is returned to us for our inspection. This does not mean that the pick will not get dull. The best pick ever made will need grinding several times in sharpening a pair of stones.

Specifications of No. 27 Pick, less handle

Shipping Wt.	Net Wt.	Length	Width at Points	Thickness at Eye	Center Hole
3 lbs.	2 lbs.	8-1/4"	1-3/8"	1-1/8"	5/8" Round

POWER TOOLS

A power hammer will eliminate time and work in mill stone dressing. We offer two splendid power tools—one driven by compressed air, the other by electricity.

AIR HAMMER: If you have compressed air available, the Trow & Holden "Barre" Short Stroke Type A, Size A, carving tool is what you should have. This is an economical, long life, splendid hand hammer. After you have used one, you wouldn't part with it (if you couldn't get another) for three times its reasonable price. The "Barre" hammer uses 3/8" hose and operates with air valve in hose. It is necessary for operation, to have compressed air, 3/8" hose, hose nipple, valve or stopcock, and bushing tool with 1/2" shank.

Specifications of "Barre" Type A, Style A, Hammer

Net. Wt.	Shipping Wt.	Diam of Piston	Overall Length	Size Shank	Air Consumption
2 lbs. 8 ozs.	3 lbs.	7/8"	6-7/8"	1/2"	4 cu. ft.

ELECTRIC HAMMER: The Syntron electric hammer is light in weight and does the same work as the air hammer. It costs more, but can be plugged into any 110 volt light socket. Therefore, it can be used almost everywhere a mill is located.

This hammer comes with 15 ft. cord and plug—drift pin—tool container clip—can of oil—instructions—all packed in a nice metal case.

Specifications

Net Wt.	Shipping Wt.	Speed	Tool Shank
11-3/4 lbs.	25 lbs.	3600 RPM	1/2"

BUSHING HAMMER or TOOL

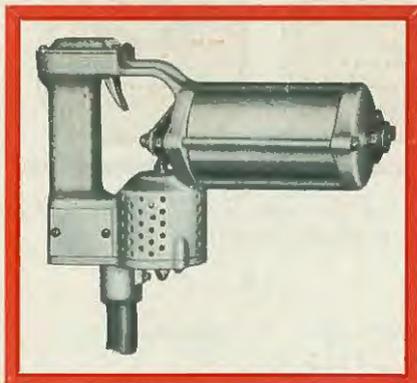
Both the air hammer and electric hammer require a cutting tool. The 16 point bushing hammer with 1/2" shank is the best for dressing mill stones. This tool is made of high grade Tool Steel, is hand forged and tempered by us, and will rapidly cover a large mill stone. When points get dull, they can be sharpened with a thin emery wheel. We can upset and re-point cutting tools at small cost, when returned to us.

Specifications

Net. Wt.	Shipping Wt.	Length	Shank	Face
1 lb. 2 oz.	2 lbs.	6"	1/2"	1"x1", 16 points



"Barre" Air Hammer

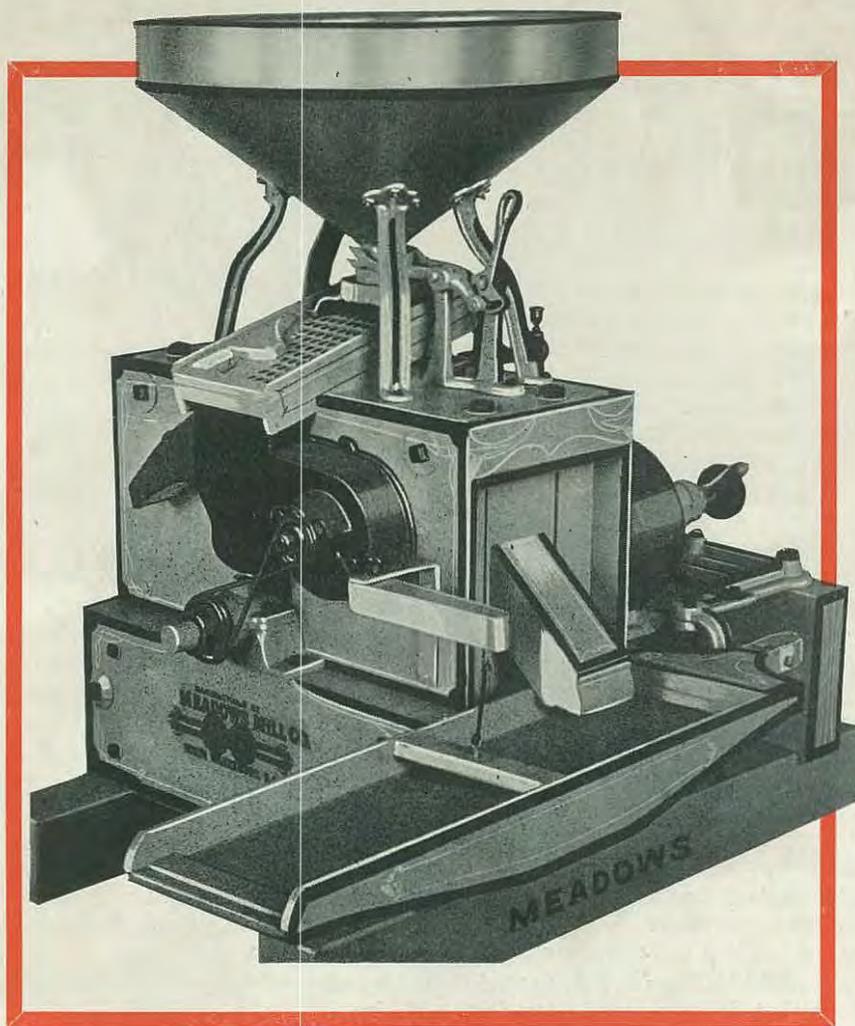


Syntron No. 10 Hammer

tempered by us, and will rapidly cover a large mill stone. When points get dull, they can be sharpened with a thin emery wheel. We can upset and re-point cutting tools at small cost, when returned to us.



• **MOLINOS DE PIEDRAS** •
MARCA MEADOWS
"Medalla de Oro" Para Producir Harina



El último modelo del Molino Meadows, que viene ahora con equipo completo de aspirador de alta velocidad (excepto el de 12 pulgadas) y criba de mayores dimensiones para limpiar el grano. Los molinos marca MEADOWS los construimos de cinco tamaños. Vease las especificaciones en la página siguiente.

ASERRADEROS
MOLINOS HARINEROS

"Meadow's"
TRADE MARK REGISTERED

LA MARCA DE CALIDAD

MOLINOS DE MARTILLOS
SIERRAS PARA CORTAR LEÑA

MEADOWS MILL COMPANY

NORTH WILKESBORO, N. C., EE.UU. de A.

Oficina para la Exportacion
BALDWIN, N. Y.

LOS MOLINOS MEADOWS MARCA "MEDALLA DE ORO" PARA CEREALES SE VENDEN EN TODOS LOS PAISES QUE PRODUCEN CEREALES

Nuestra larga experiencia de mas de un cuarto de siglo en la manufactura de estos molinos, durante cuyo tiempo hemos producido probablemente mas que todos los otros fabricantes en conjunto, vendiendolos en todos los paises que producen cereales, nos ha permitido introducir continuamente mejoras en la construccion del molino. Al ofrecer este último modelo podemos asegurar a nuestros clientes antiguos tanto como a los nuevos que incorpora todas las características nuevas y útiles para limpiar el grano perfectamente, molerlo a cualquiera finura deseada, y cernir la harina al ser descargada por el molino. Ademas de estas mejoras tiene la ventaja de construccion mas robusta, lo que resulta en servicio satisfactorio por un periodo de tiempo mas largo.

Las siguientes son algunas de las características mas notables que son obtenibles solamente en los molinos Meadows:

PIEDRAS: Genuinas piedras guijosas domesticas de una textura y dureza uniforme. Jamás hemos podido encontrar una piedra que supere a ésta en la molienda de granos sin calentarse, y en el servicio continuo con un minimum de reparacion del desgaste. La composicion de estas es tal que, debido a la dureza mediana de su ligadura, ésta se gasta primeramente, dejando a las puntas agudas de las partículas guijosas y duras que forman muelas como las de una lima. Esta composicion tambien es suficientemente porosa para absorber el aceite excesivo del grano, lo que impide que se forme una superficie graseada en las caras de las piedras.

SISTEMA PATENTIZADO PARA LIMPIAR EL GRANO: Criba grande y doble con aspirador limpiador de alta velocidad (excepto el de 12 pulgadas, que tiene la criba solamente) retiran todo material extraño de tamaño mayor, menor o de menos peso que el grano bueno. Las cribas del sistema limpiador protegen el molino contra partículas de metal o piedras de tamaño suficiente para averiara las muelas.

DISPOSITIVO RÁPIDO Y POSITIVO PARA FIJAR LAS PIEDRAS: Con simplemente oprimir la palanca, las piedras se fijan en cualquiera posicion en que se coloquen. La finura de la harina no puede variar hasta que se altere la posicion de las piedras.

EL CERNIDOR accionado por el mismo dispositivo excentrico que acciona a la criba que limpia el grano, tiene un movimiento oscilante de punta a punta, y está provisto de un receptáculo por debajo en que se colecta y se mezcla perfectamente la harina antes de descargarla en la caja receptora o en el elevador ensacador.

ALIMENTACION MAS SIMPLE QUE JAMAS SE HA PRODUCIDO: Un solo movimiento de una mano fija la rapidéz de la alimentacion del grano de la tolva; no es necesario atornillar una rueda de mano para alterarla.

RECEPTOR PATENTIZADO DEL GRANO: Permite la alimentacion del grano que viene de la tolva en cualquier volumen, y al mismo tiempo permite el escape de partes de tusas o basura sin tupir la alimentacion mas lenta.

NUEVO AGITADOR PARA EL CERNIDOR Y LIMPIADOR: Esta importante parte, que anteriormente era la que primeramente se gastaba y causaba dificultades, ahora ha sido reemplazada por una simple y positiva rueda excentrica. Esta durará tanto tiempo como el molino, si se mantiene siempre bien engrasada.

NUEVAS MONTADURAS DE GOMA: La conexión anterior de bola y cuenca con forro de metal Babbitt que conectaba con el vibrador del aparato limpiador del grano, ahora ha sido reemplazada por una juntura con el centro de goma que elimina todo ruido y lubricacion. La misma montadura de goma se emplea en el vibrador del cernidor, y la cuenca de metal aliado en la cabecera del cernidor ha sido reemplazada por una cuenca de goma. Estas mejoras permiten que estas partes duren mucho mas, y resultan en accionamiento mas suave y silencioso.

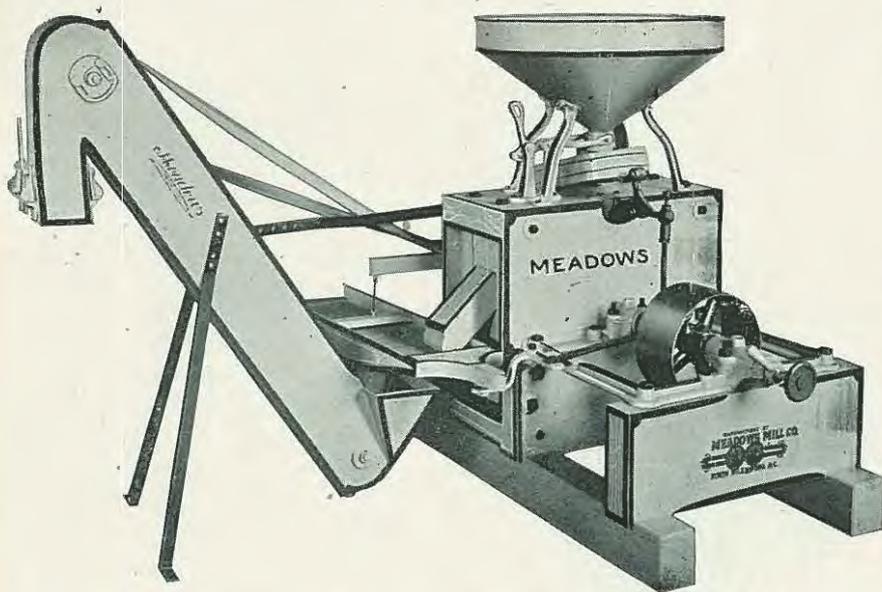
PARA IMPEDIR EL DESGASTE en la caja de madera de los molinos debido a la molienda récia y continua, la cámara de la harina de los molinos de todos tamaños tiene un forro metálico.

Los Molinos Meadows pueden moler, cernir y ensacar (El elevador ensacador es extra. Véase la página siguiente) la calidad mas fina de harina de maiz y cuando están provistos del cernidor especial de harina producirán una excelente calidad de harina de trigo entero. En realidad, los Molinos Meadows pueden moler desde la calidad mas fina de harina de maiz o trigo entero hasta granos mixtos para alimentar animales.

Especificaciones de los Molinos Harineros "Meadows"

Tamaño	Velocidad Recomendada	Capacidad por hora (kilos)		Potencia Necesaria C. F.	Tamaño de la Polea normalmente suministrada	Tamaño del Eje Motor	Espacio que ocupa en el piso		Peso Neto (kilos)	Peso de Embarque encajonado para Exportar (kilos)	Volumen encajonado para Exportar Mets. cúb.
		Sémola Cernida	Sémola No Cernida				Longitud	Anchura			
305 mm.	800	47-95	98-147	3	101 x 203 mm.	36.5 mm.	1 m. 22	86 cm.	170	238	0.509
406 mm.	750	95-142	147-245	4 a 5	127 x 254 mm.	36.5 mm.	1 m. 37	91 cm.	284	363	0.852
508 mm.	700	118-189	196-295	6 a 8	152 x 305 mm.	43 mm.	1 m. 37	1 m. 07	375	465	1.132
609 mm.	650	142-284	295-442	8 a 10	152 x 355 mm.	49.2 mm.	1 m. 50	1 m. 19	493	627	1.433
762 mm.	550	236-473	442-614	15 a 20	203 x 508 mm.	49.2 mm.	1 m. 52	1 m. 32	664	865	2.

Elevador-Ensacador Meadows



Elevador Ensacador Meadows. Indicando cómo debe acoplarse al molino Meadows. Esta ilustración también presenta una vista clara del lado donde va la polea en el Molino Meadows. (El Elevador Ensacador es un accesorio que no va incluido en el precio del molino.)

El Elevador-Ensacador Meadows, tipo de cadena de arrastre lo construimos de un solo tamaño y puede emplearse con un molino Meadows de cualquier tamaño, o con cualquier otro molino, construido a la orden. Tiene una longitud de 152.40 cms., y está provisto de dos bocas de descarga, de manera que es posible ponerle dos sacos a la vez. Este elevador-ensacador viene completo con sus poleas y correa de transmisión, listo para ser acoplado al molino y ponerse en operación. La polea que debe montarse sobre el eje del molino viene con el elevador-ensacador. Si el elevador se desea para cualquier otro molino que no sea de nuestra marca, no se olvide avisarnos del diámetro exacto del eje de su molino para asegurar que la polea que suministremos tenga el

cubo taladrado correctamente. Si ha de emplearse con un molino que no está provisto de un cernidor, será necesario un tubo de extensión adicional para la descarga de la harina. Peso bruto para la exportación: 68 kilogramos.

CERNIDOR MEADOWS PARA HARINA DE TRIGO ENTERO

Este cernidor de harina es intercambiable con el cernidor corriente para harina que se suministra con el molino, y cuando se pide como accesorio adicional, con la criba para trigo en el tubo limpiador, el mismo molino puede emplearse para moler harina de maíz tanto como harina de trigo entero.

BOLSAS DE PAPEL MARCA MEADOWS, PARA HARINA

Ofrecemos bolsas de papel fuerte para ensacar harina, y así garantizar su limpieza y pureza. Las tenemos de las capacidades siguientes: 5 lbs., 6 lbs., 10 lbs., 12 lbs., 24 lbs. y 25 lbs.

También podemos suministrar a un precio muy reducido, una estampa de gutapercha con almohadilla para entintar, para que pueda usted estampar su nombre y su dirección sobre las bolsas.

PICADORES DE PIEDRAS DE MOLINOS



Pico Meadows No. 27
Garantizado



Pico Meadows No. 83

Fabricamos picos para molinos de piedras de dos estilos que satisfacen a los clientes más exigentes. Uno es el pico No. 27 de alta calidad y precio razonable, pulido, pintado y garantizado. Si se rompe o presenta otro desperfecto, y nos lo devuelven por correo, franqueo pagado, les enviaremos uno nuevo libre de costo. La calidad del pico es comprobada al picar las piedras una sola vez.

El pico No. 83 es de alta calidad y precio bajo, pero no lo garantizamos. Tiene menos peso que el pico No. 27 de precio más alto, hecho de acero de la misma calidad superior, y se emplea exclusivamente por los operarios en nuestra fábrica.

CERNIDOR DE SÉMOLA MEADOWS

La sémola commercial en cartones se hace del maiz desgerminado para que se conserve indefinidamente en los tramos de las bodegas. Considerando que el gérmen contiene el aceite y la mayor parte del sabor del grano, resulta que solamente la sémola del maiz entero tiene ese rico sabor que es tan deseado por aquellas personas a quienes gustan los alimentos bien preparados.

La molienda de sémola fresca para pronto uso en su distrito presenta una buena oportunidad para entablar un negocio lucrativo en su localidad con una inversion de dinero muy reducida, y sin tener que hacer frente a la competencia de los molinos grandes. La sémola del maiz entero tiene el color natural del maiz, sin ser blanqueado ni pulido. Debe anunciarse y

venderse con énfasis en la ventaja exclusiva de sabor superior, lo que generalmente justifica un precio mas alto.

Sémola de esta clase puede molerse en cualquier molino bueno de piedras con simplemente ajustar las piedras para una molienda basta. Debe separarse de la parte blanda del grano, que se reduce a harina, y luego se separa del polvo y del salvado. Esto se logra muy eficientemente con un cernidor de sémola Meadows, en el cual toda la harina se extrae en primer lugar por tamices del cernidor cilindrico, y luego el salvado y todo material liviano que no es posible sacar con un tamis solamente, se separa por el sistema especial de aspiracion. De unos 45 kilos. de buen maiz en grano se producirán unos 30 kilos. de sémola y 13 kilos de harina de maiz extra fina, con un poco mas de 2 kilos. de salvado etc. en la limpiadora. Para facilitar una separacion perfecta, el chorro de sémola se separa por el cernidor cilindrico en dos tamaños, fino y basto. Ambos tamaños se descargan en el mismo arcón receptor, y por lo general se mezclan antes de empaquetarse. Estos cernidores muy amenudo se emplean para producir pienso para aves de corral, inclusive los politos, en cuyo caso una separacion del arcón mantiene a los dos tamaños aparte uno del otro.

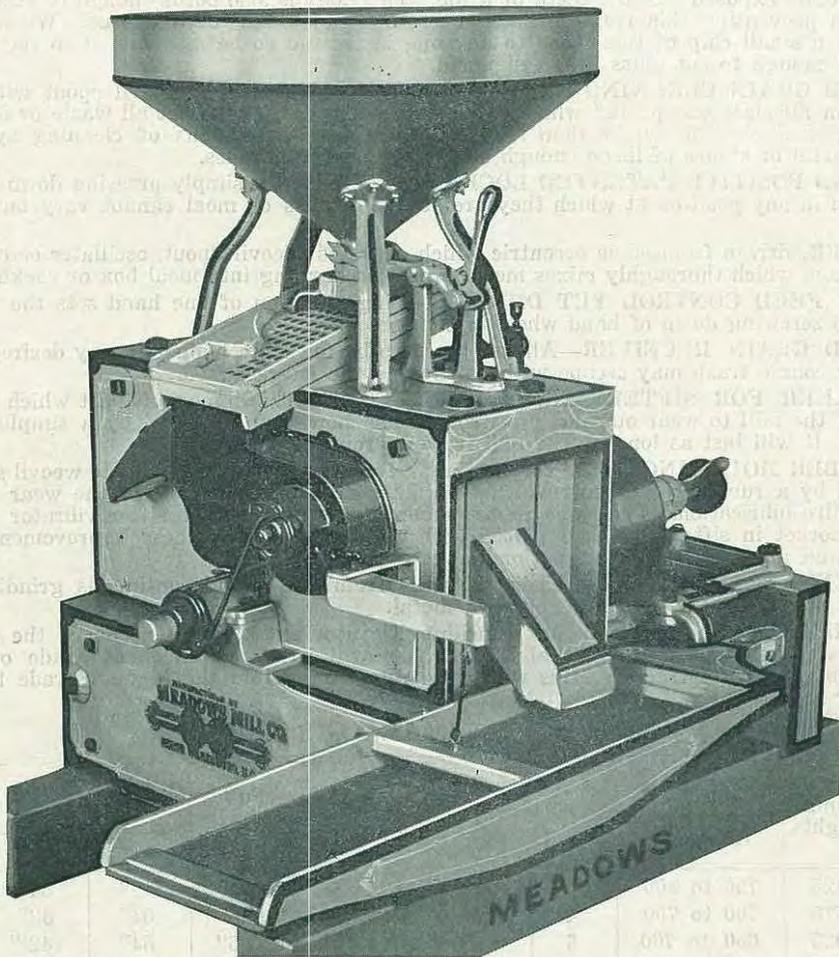
El precio de cada cernidor incluye el elevador para entregar la sémola del molino al cernidor, asi como la correa de transmision y las poleas para accionar al cernidor con fuerza tomada del eje del molino. Si el cernidor se pide sin un molino deben informarnos del tamaño del molino con qué ha de usarse, para que la polea especial para el eje del molino sea suministrada en al tamaño apropiado. Un cernidor de sémola puede emplearse con la misma fuerza que necesita el molino solo.

ESPECIFICACIONES DE LOS CERNIDORES DE SÉMOLA MEADOWS

Tamaño del Cernidor.	Para uso con molino de	Longitud cms.	Anchura cms.	Altura total	Capacidad. Grano.	Peso bruto.
No. 2	305 a 508 mm.	261.62	121.92	264.	204 Ks.	364 Ks.
No. 3	610 a 762 mm.	274.32	121.92	264.	305 Ks.	455 Ks.

MEADOWS

Gold Medal Stone Burr Grist Mills



The latest model Meadows Mill, which now comes completely equipped with high speed cleaning fan (except 12" size), in addition to larger and more efficient cleaning screens in weevil spout. Meadows Mills are made in five sizes. See table of specifications on next page.

MEADOWS MILL COMPANY

Grist Mills Hammer Mills Saw Mills Wood Saws

NORTH WILKESBORO, NORTH CAROLINA, U. S. A.

MEADOWS GOLD MEDAL STONE BURR MILLS

Our long experience of more than a quarter of a century in building these mills, during which time we probably have built more than all other manufacturers combined, and sold them in every country where corn is grown, has enabled us to continually improve the design of the mill. In offering this latest model we can assure both old and new customers that it contains every new and helpful feature for perfectly cleaning the grain, grinding it to any desired fineness, and sifting the meal as it comes from the mill. Added to these improvements is the advantage of heavier construction and longer, trouble free life.

The following are a few notable features which can be had in none other than Meadows Mills—

STONES—Genuine domestic flint pebble stones of uniform texture and hardness. We have never been able to find a superior stone for sharp, cool grinding and long wear with a minimum of dressing. The body, or binder, of these stones is of only medium hardness so that it will wear down and leave the hard flint grinding points exposed like the teeth of a file. This body is also porous enough to absorb the excess oil of the grain preventing this from forming a glaze over the face of the stone. We will be glad to send on request a small chip of this stone to any one interested so he may test it to see that the flint points are hard enough to cut glass like a diamond.

PATENTED GRAIN CLEANING SYSTEM—Large double screened weevil spout with high speed cleaning fan (on all sizes except 12" which has weevil spout only) take out all waste or foreign matter larger, smaller, or lighter in weight than the sound grain. The screens of cleaning system protect the mill from metal or stones of large enough size to damage the stones.

QUICK AND POSITIVE PATENTED LOCKING DEVICE—By simply pressing down the lever, the burrs are locked in any position at which they are set. Fineness of meal cannot vary until position is changed.

THE SIFTER, driven from same eccentric which operates Weevil Spout, oscillates endways, and has a collecting bottom which thoroughly mixes meal before discharging into meal box or sacking elevator.

SIMPLEST FEED CONTROL YET DEvised—Single motion of one hand sets the feed of grain from hopper, no screwing down of hand wheel to change.

PATENTED GRAIN RECEIVER—Allows grain to be fed from hopper in any desired volume, yet cob ends or any coarse trash may escape without choking the slowest feed.

NEW SHAKER FOR SIFTER AND WEEVIL SPOUT—This important part which formerly was the first part of the mill to wear out and give trouble has now been replaced by a simple and positive eccentric drive. It will last as long as the mill if kept properly greased.

NEW RUBBER MOUNTINGS—The former babbitt lined ball and socket joint to weevil spout vibrator is now replaced by a rubber cored joint which eliminates all noise and most of the wear at this point. It does not require lubrication. The same rubber mounting is used on the sifter vibrator and the composition metal socket in sifter head is replaced with a rubber socket. These improvements give much longer life, as well as smooth noiseless action to these parts.

TO PREVENT WEAR in the wood casing of mills from heavy and continuous grinding, the meal chambers of all sizes of mills are now lined with metal.

Meadows Mills will grind, sift and sack (Sacking Elevator extra, see next page) the finest quality corn meal, and when equipped with Special Flour Sifter will grind an excellent grade of graham or whole wheat flour. In fact Meadows Mills will grind any thing from the highest grade table meal to mixed grain for feed.

Specifications Meadows Grist Mills

Size Diameter of Burrs	Shipping Weights	Speed Recommended R. P. M.	Capacity Bu. per Hour		Horse Power	Size Pulley Regularly Furnished	Floor Space Required		Shaft Size
			Sifted	Unsifted			Length	Width	
12"	425	750 to 800	3	4	3 to 5	8"x4"	48"	34"	1 7-16"
16"	675	700 to 750	4	5	5 to 7	10"x5"	54"	38"	1 7-16"
20"	925	650 to 700	6	8	8 to 10	12"x6"	54"	42"	1 11-16"
24"	1175	600 to 650	8	12	10 to 15	14"x6"	58"	47"	1 15-16"
30"	1575	500 to 550	12	20	15 to 25	16"x8"	60"	52"	1 15-16"

Meadows Mill Picks



Meadows No 27 Guaranteed Pick

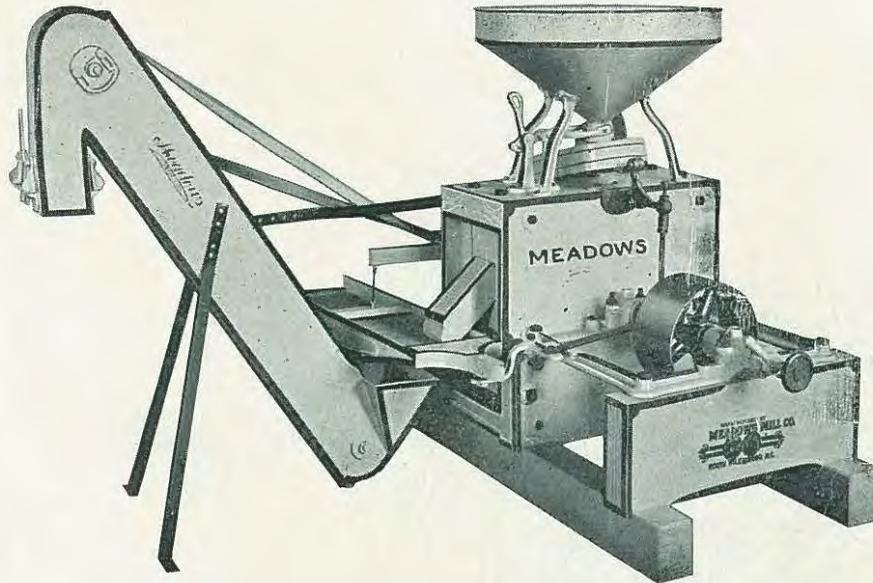


Meadows No. 83 Mill Pick

We manufacture two styles of Meadows Mill picks that are satisfying the most exacting customers. One is a high grade, high priced pick (No. 27), polished, painted and guaranteed. If it breaks or batters we will replace or retemper and prepay postage gratis, when we receive the defective pick, postage pre-paid, for our inspection. Dressing burrs once proves quality of pick.

No. 83 is a high grade, low priced pick, but is not guaranteed. It is lighter than the high priced pick, made of the same high grade steel, and used exclusively by workmen in our factory.

MEADOWS SACKING ELEVATOR



Meadows Sacking Elevator. Showing how it is attached to Meadows Mill. This illustration also gives a clear view of pulley side of Meadows Mill. (The Sacking Elevator is an extra and not included with the price of Mill.)

The Meadows Chain-Belt-Drag Type Sacking Elevator is made in one size only and may be applied to any size Meadows Mill, as well as any other make mill, on special order. It is 5 feet long, and has a double spout so two sacks can be attached at one time. This sacking Elevator comes complete with pulleys and drive belt ready to attach to mill and go to work. The pulley which goes on mill shaft is furnished with Sacking Elevator. If Elevator is wanted for any mill other than Meadows, be sure to specify the diameter of mill spindle so that drive pulley may be bored proper size. If used with mill which has no sifter, an extension meal spout is necessary. Shipping weight, 125 lbs.

MEADOWS WHOLE WHEAT FLOUR SIFTER

This Flour Sifter is interchangeable with the regular meal sifter as furnished with the mill, and when ordered as an extra along with Wheat Screen for Weevil Spout the same mill can be used for grinding both corn meal, and whole wheat or graham flour.

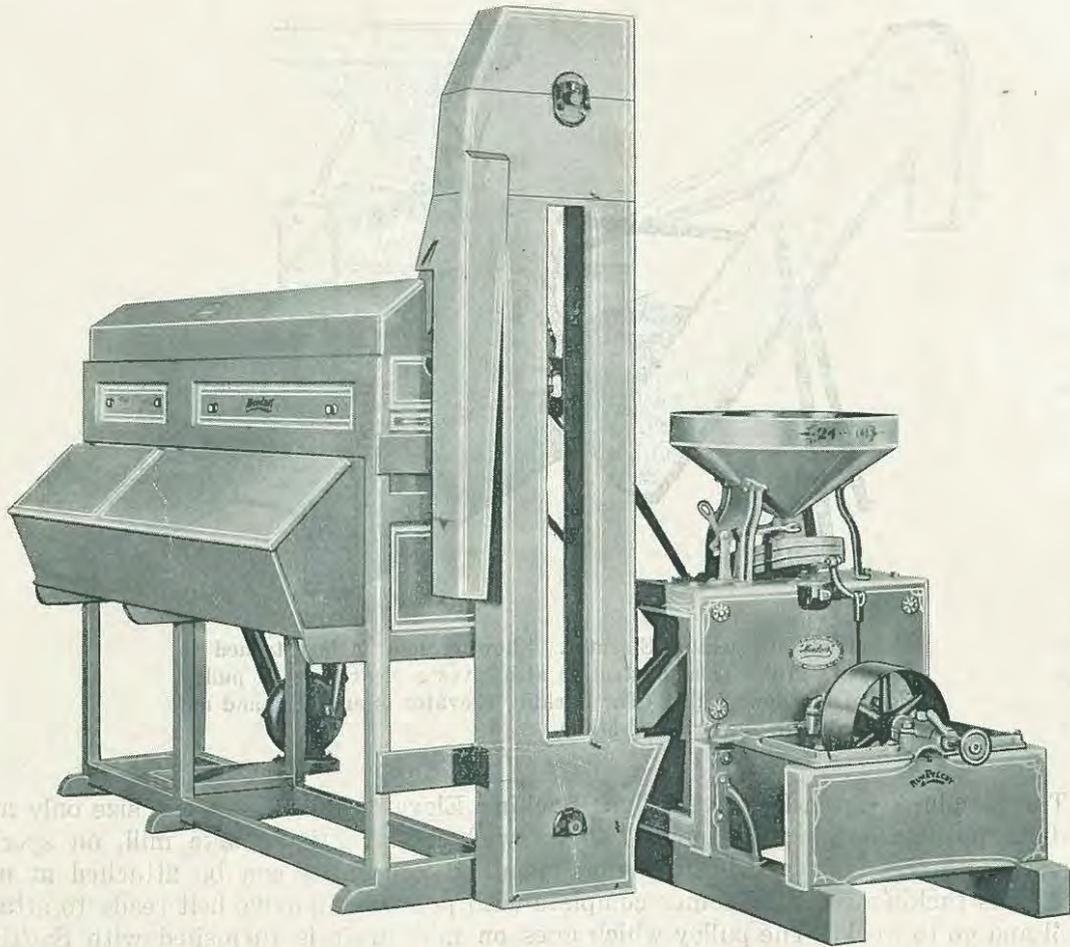
Meadows Meal Bags

If you will sell your meal in regular Meadows Mill Meal Bags you will be taking advantage of the immense amount of advertising which has been done by Meadows Mill Company to educate the public to the point where they will insist on Meadows Mill Meal. They know that Meadows Mill Meal is clean and healthful. Meadows Mill Meal Bags are made of highest grade Security Craft paper, easy to tie and handle, and attractive in appearance.

Meadows Mill Meal Bags are furnished in the following sizes: 5 lb., 6 lb., 10 lb., 12 lb., 24 lb., and 25 lb.

We can supply at small cost a Rubber Stamp and Ink Pad so that you may print your name and address on Meal Bags.

MEADOWS GRITS BOLTERS



Commercial packaged grits is made from degerminated corn so that it will keep for the indefinite time it may remain on dealers shelves. Since the germ contains the oil and most of the flavor of the grain, only whole corn grits has that rich, full flavor so much desired by those fond of good cooking. The milling of fresh, home ground grits offers a fine opportunity for a profitable local business requiring a very reasonable investment and without competition from large volume manufacturers. Home ground grits is the natural color of the corn, neither bleached nor polished. It should be advertised and sold on its exclusive advantage of superior flavor, which usually commands a premium price from the best grocery trade.

Home ground grits can be made on any good stone burr mill by simply setting the stones for coarse grinding. It must be separated from the soft part of the grain which is reduced to meal and then cleaned of all dust and bran. This is most efficiently done by Meadows Grits Bolters, in which all meal is first taken out by the screens of the reel, then the bran and other light matter not removable by sifting alone is separated by the unique air suction cleaning system. 100 lbs. of average grade milling corn will make approximately 65 lbs. of grits and 30 lbs. of extra fine table meal, with 5 lbs. of bran and waste from the cleaner. For the purpose of thoroughly cleaning, the flow of grits is separated by the reel into fine and coarse sizes. Both sizes are discharged into the same receiving bin and are usually mixed before packing. These bolters are very often used for making chick and scratch grain for poultry, in which case a partition in the bin will keep the two sizes separate.

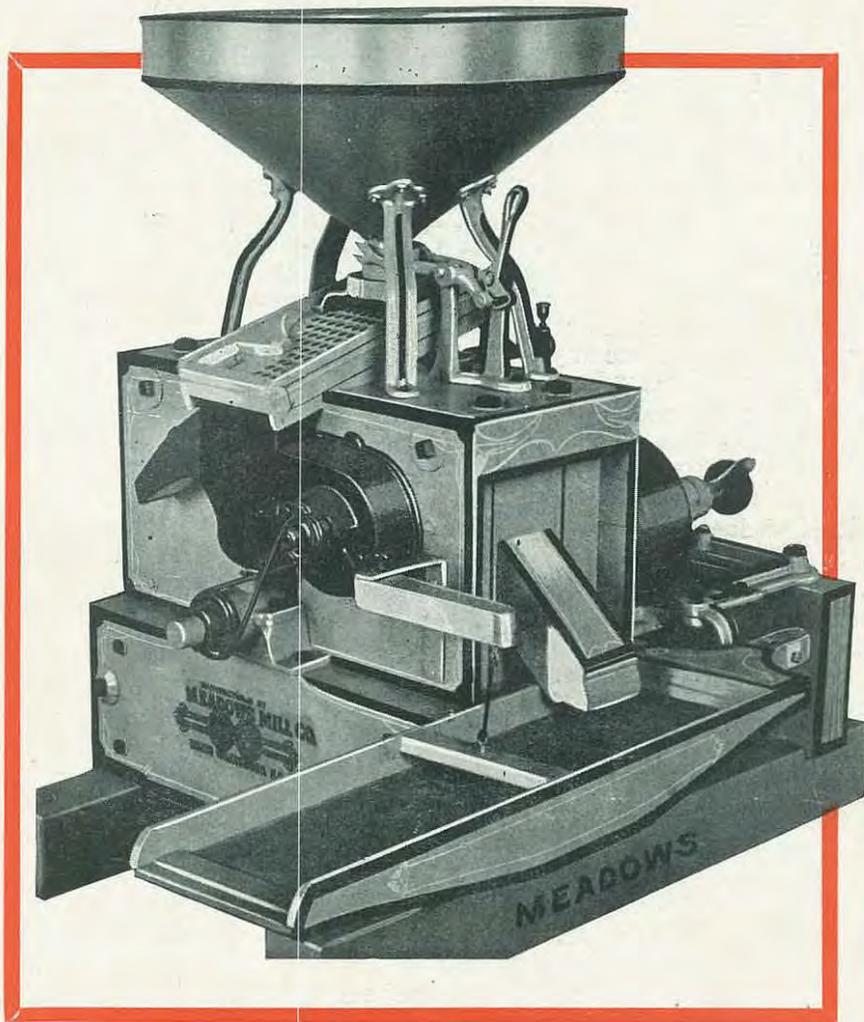
The price of each bolter includes the elevator for delivering grits from mill to bolter, also belt and pulleys for driving bolter from mill shaft. If bolter is ordered separate from mill we must know the size of mill with which it is to be used so that the special pulley for mill shaft may be supplied in the proper size. A grits bolter may be used with the same power required for the mill alone.

Specifications of Meadows Grits Bolters

Size of Bolter	Size of Mill with which to be used	Length	Width	Height (top of elevator)	CAPACITY	Shipping Wt. (approx.)
No. 2	12" to 20"	8' 7"	4'	8' 8"	3 to 8 bu. shelled corn per hour	900 lbs.
No. 3	24" & 30"	9' 7"	4'	8' 8"	8 to 12 bu. shelled corn per hour	1000 lbs.

MEADOWS

Gold Medal Stone Burr Grist Mills



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Grist Mills
Hammer Mills

"Meadows"
TRADE MARK REGISTERED
THE MARK OF QUALITY

Saw Mills
Wood Saws

MEADOWS MILL COMPANY

NORTH WILKESBORO, N. C., U. S. A.

Meadows Gold Medal Grist Mills Are Sold In Every Country Where Corn Is Grown

Our long experience of more than a quarter of a century in building these mills, during which time we probably have built more than all other manufacturers combined, and sold them in every country where corn is grown, has enabled us to continually improve the design of the mill. In offering this latest model we can assure both old and new customers that it contains every new and helpful feature for perfectly cleaning the grain, grinding it to any desired fineness, and sifting the meal as it comes from the mill. Added to these improvements is the advantage of heavier construction and longer, trouble free life.

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Patented Grain Cleaning System—Large double screened weevil spout with high speed cleaning fan (on all sizes except 12" which has weevil spout only) take out all waste or foreign matter larger, smaller, or lighter in weight than the sound grain. The screens of cleaning system protect the mill from metal or stones of large enough size to damage the stones.

Quick and Positive Patented Locking Device—By simply pressing down the lever, the burrs are locked in any position at which they are set. Fineness of meal cannot vary until position is changed.

The Sifter, driven from same eccentric which operates Weevil Spout, oscillates endways, and has a collecting bottom which thoroughly mixes the meal before discharging into meal box or sacking elevator.

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Patented Grain Receiver—Allows grain to be fed from hopper in any desired volume, yet cob ends or any coarse trash may escape without choking the slowest feed.

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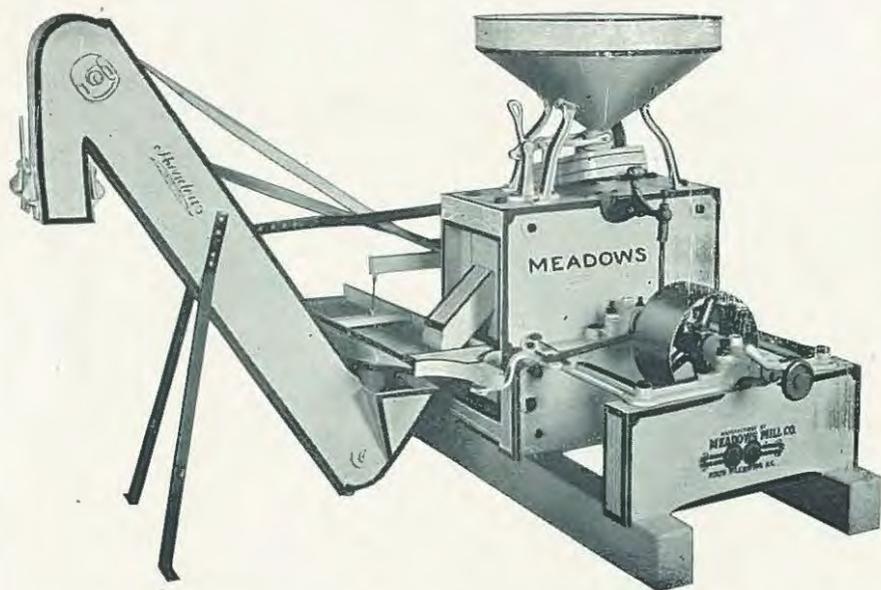
New Rubber Mountings—The former babbit lined ball and socket joint to weevil spout vibrator is now replaced by a rubber cored joint which eliminates all noise and most of the wear at this point. It does not require lubrication. The same rubber mounting is used on the sifter vibrator and the composition metal socket in sifter head is replaced with a rubber socket. These improvements give much longer life, as well as smooth noiseless action to these parts.

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Meadows Mills will grind, sift and sack (Sacking Elevator extra, see next page) the finest quality corn meal, and when equipped with Special Flour Sifter will grind an excellent grade of graham or whole wheat flour. In fact, Meadows Mills will grind anything from the highest grade table meal to mixed grain for feed.

SPECIFICATIONS

Size Diameter of Burrs	Shipping Weights	Speed Recommended R. P. M.	Capacity Bushels per Hour		Horse Power	Size Pulley Regularly Furnished	Floor Space Required		Shaft Size
			Sifted	Unsifted			Length	Width	
12"	425	750 to 800	3	4	3 to 5	8" x 4"	48"	34"	1 7-16"
16"	675	700 to 750	4	5	5 to 7	10" x 5"	54"	38"	1 7-16"
20"	925	650 to 700	6	8	8 to 10	12" x 6"	54"	42"	1 11-16"
24"	1160	600 to 650	8	12	10 to 15	14" x 6"	58"	47"	1 15-16"
30"	1575	500 to 550	12	20	15 to 25	16" x 8"	60"	52"	1 15-16"



Meadows Sacking Elevator. Showing how it is attached to Meadows Mill. This illustration also gives a clear view of pulley side of Meadows Mill. (The Sacking Elevator is an extra and not included with the price of Mill.)

Meadows Sacking Elevator

The Meadows Chain-Belt-Drag Type Sacking Elevator is made in one size only and can be attached to any size Meadows Mill, as well as any other make mill, on special order. It is 5 feet long, and has a double spout so two sacks can be attached at one time. This Sacking Elevator comes complete with pulleys and drive belt ready to attach to mill and go to work. The pulley which goes on mill shaft is furnished with Sacking Elevator. If Elevator is wanted for any mill other than Meadows, be sure to specify the diameter of mill spindle so that drive pulley may be bored proper size. If used with mill which has no sifter, an extension meal spout is necessary. Shipping weight, 125 lbs.

MEADOWS WHOLE WHEAT FLOUR SIFTER

This Flour Sifter is interchangeable with the regular meal sifter as furnished with the mill, and when ordered as an extra along with Wheat Screen for Weevil Spout the same mill can be used for grinding both corn meal, and whole wheat or graham flour.

MEADOWS MEAL BAGS

If you will sell your meal in regular Meadows Mill Meal Bags you will be taking advantage of the immense amount of advertising which has been done by Meadows Mill Company to educate the public to the point where they will insist on Meadows Mill Meal. They know that Meadows Mill Meal is clean and healthful. Meadows Mill Meal Bags are made of highest grade Security Craft paper, easy to tie and handle, and attractive in appearance.

Meadows Mill Meal Bags are furnished in the following sizes: 5 lb., 6 lb., 10 lb., 12 lb., 24 lb., and 25 lb.

We can supply at small cost a Rubber Stamp and Ink Pad so that you may print your name and address on Meal Bags.

MEADOWS MILL PICKS



Meadows No. 27 Guaranteed Pick

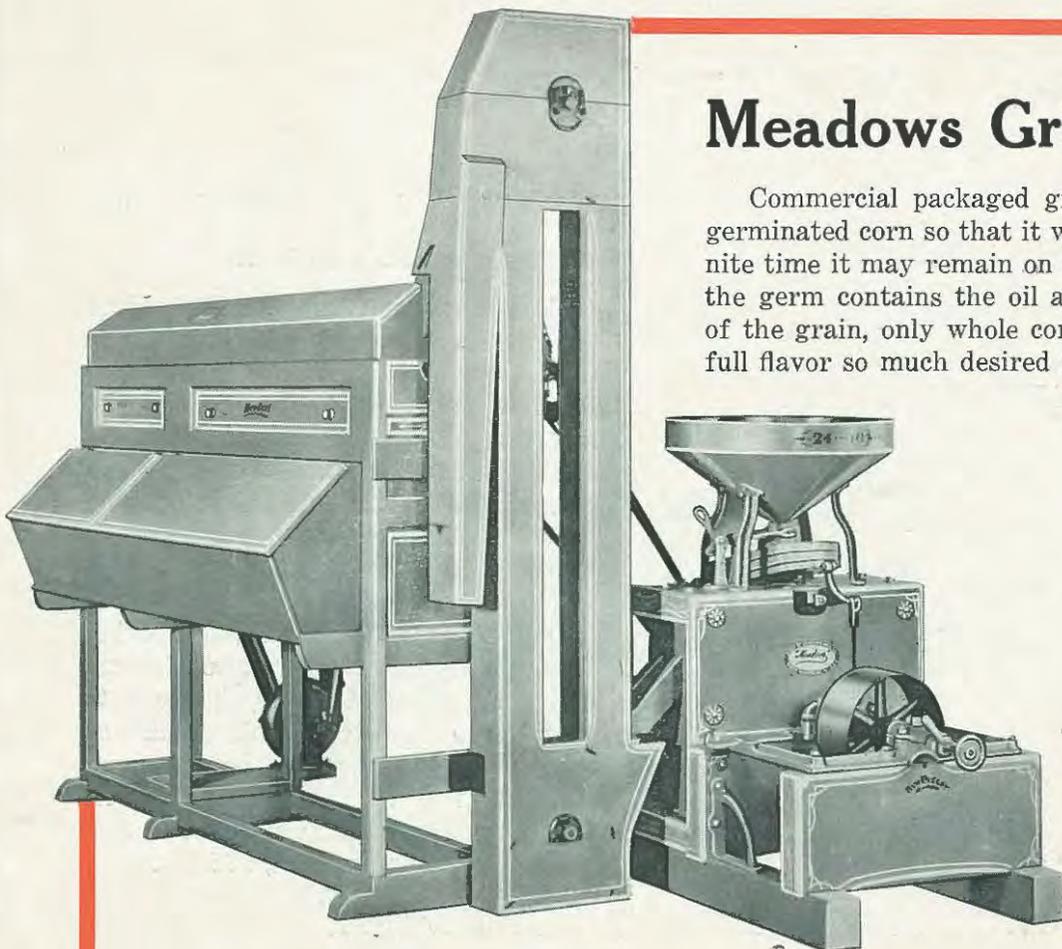


Meadows No. 83 Mill Pick

We manufacture two styles of Meadows Mill Picks that are satisfying the most exacting customers. One is a high grade, reasonably priced pick (No. 27), polished, painted and guaranteed. If it breaks or batters we will replace or retemper and prepay postage gratis, when we receive the defective pick, postage prepaid, for our inspection. Dressing burrs once proves quality of pick.

No. 83 is a high grade, low priced pick, but is not guaranteed. It is lighter than the higher priced pick, made of the same high grade steel, and is used exclusively by workmen in our factory.

Meadows Grits Bolters



Commercial packaged grits is made from degerminated corn so that it will keep for the indefinite time it may remain on dealers shelves. Since the germ contains the oil and most of the flavor of the grain, only whole corn grits has that rich, full flavor so much desired by those fond of good cooking. The milling of fresh, home ground grits offers a fine opportunity for a profitable local business requiring a very reasonable investment and without competition from large volume manufacturers. Home ground grits is the natural color of the corn, neither bleached nor polished. It should be advertised and sold on its exclusive ad-

vantage of superior flavor, which usually commands a premium price from the best grocery trade.

Home ground grits can be made on any good stone burr mill by simply setting the stones for coarse grinding. It must be separated from the soft part of the grain which is reduced to meal and then cleaned of all dust and bran. This is most efficiently done by Meadows Grits Bolters, in which all meal is first taken out by the screens of the reel, then the bran and other light matter not removable by sifting alone is separated by the unique air suction cleaning system. 100 lbs. of average grade milling corn will make approximately 65 lbs. of grits and 30 lbs. of extra fine table meal, with 5 lbs. of bran and waste from the cleaner. For the purpose of thoroughly cleaning, the flow of grits is separated by the reel into fine and coarse sizes. Both sizes are discharged into the same receiving bin and are usually mixed before packing. These bolters are very often used for making chick and scratch grain for poultry, in which case a partition in the bin will keep the two sizes separate.

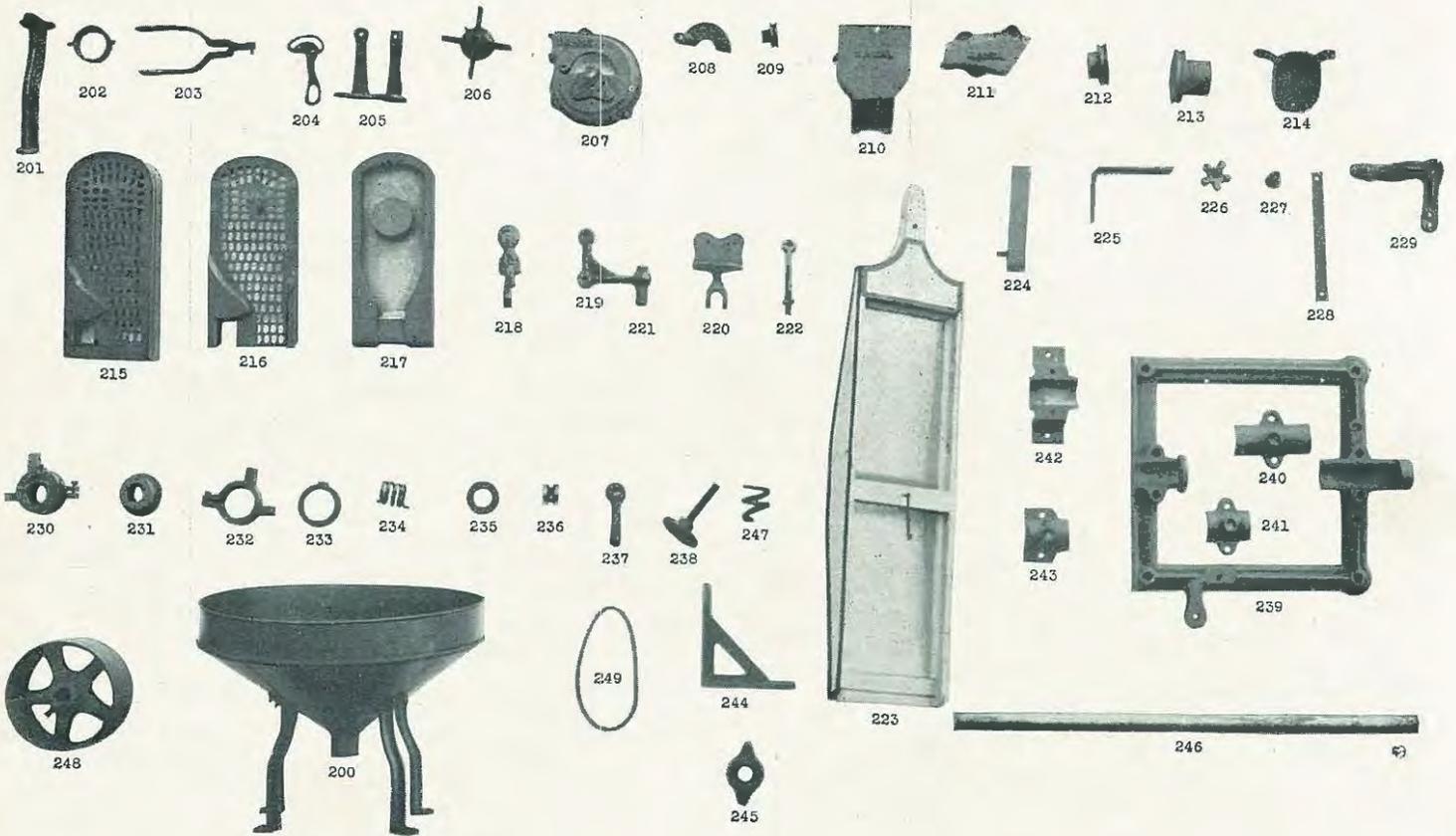
The price of each bolter includes the elevator for delivering grits from mill to bolter, also belt and pulleys for driving bolter from mill shaft. If bolter is ordered separate from mill we must know the size of mill with which it is to be used so that the special pulley for mill shaft may be supplied in the proper size. A grits bolter may be used with the same power required for mill alone.

SPECIFICATIONS

Size of Bolter	Size of Mill with which to be used	Length	Width	Height (top of elevator)	CAPACITY	Shipping Wt. (approx.)
No. 2	12" to 20"	8' 7"	4'	8' 8"	3 to 8 bu. shelled corn per hour	900 lbs.
No. 3	24" & 30"	9' 7"	4'	8' 8"	8 to 12 bu. shelled corn per hour	1000 lbs.

OPERATING INSTRUCTIONS AND PARTS LIST FOR MEADOWS GOLD MEDAL STONE BURR MILLS

The serial number of your mill will be found on a plate located on the end of mill above meal spout. Always mention this number when communicating with us regarding your mill or when ordering parts.



This list is valuable. It will assure your being able to obtain proper parts service at all times. We suggest you keep it with other valuable papers.

MEADOWS MILL COMPANY
NORTH WILKESBORO, N. C., U. S. A.

How To Order Parts For Meadows Gold Medal Stone Burr Mills

Sizes 12", 16", 20", 24" and 30"

All parts listed here may be ordered direct from MEADOWS MILL CO., North Wilkesboro, N. C. In ordering parts by mail, always be sure to include sufficient postage (the weight of each part is shown in the list). When ordering, always give the part number, part name AND the serial number of your mill, which will be found on name plate fastened on end of mill directly above meal spout.

All prices are subject to change without notice.

Parts No.	Name of Part	Shipping Weight	Selling Price (each)	No. Parts	Name of Part	Shipping Weight	Selling Price (each)				
PARTS LIST FOR 12" MILL											
200	Hopper, complete with legs attached.....	25 Lbs.	\$ 5.50	218	Connecting Iron for Weevil Spout	2 Lbs.	\$.80				
201	Hopper Legs	5 "	.75	219	Weevil Spout Vibrator	4 "	1.40				
202	Feed Cut-off Band	2 "	.90	220	Vibrator Support	5 "	1.60				
203	Feed Control Fork	3 "	1.40	221	Clevis for Vibrator Connecting Rod, also for Sifter Connecting Rod	1 "	1.00				
204	Feed Control Lever	2 "	.60	222	Vibrator Connecting Rod	1 "	.60				
205	Feed Control Stand	5 "	2.00	223	Sifter Complete (Meal)	7 "	4.00				
210	Grain Feed Spout	7 "	3.00	224	Wooden Sifter Hanger	1 "	.50				
214	Grain Receiver	3 "	1.50	225	Sifter Hanger Bracket	2 "	.50				
215	Weevil Spout Complete	6 "	6.00	226	Sifter Adjusting Nut	2 "	.50				
216	Corn Screens for Weevil Spout	3 "	3.00	227	Rubber Bushing for Sifter Head	8 Oz.	.50				
217	Wheat Screens for Weevil Spout	3 "	3.50	228	Sifter Vibrator Connecting Rod	2 Lbs.	.60				
218	Connecting Iron for Weevil Spout	2 "	.80	229	Sifter Vibrator	4 "	2.00				
219	Weevil Spout Vibrator	4 "	1.40	230	Eccentric Complete	6 "	4.00				
220	Vibrator Support	5 "	1.60	231	Eccentric Hub Only	3 "	1.60				
221	Clevis for Vibrator Connecting Rod, also for Sifter Connecting Rod	1 "	1.00	232	Eccentric Strap Only	3 "	2.40				
222	Vibrator Connecting Rod	1 "	.60	233	Eccentric Ring Only	2 "	1.00				
223	Sifter Complete (Meal)	7 "	4.00	234	Relief Spring (Coil)	1 "	.60				
224	Wooden Sifter Hanger	1 "	.50	235-A	Inside Collar for Relief Spring	1 "	.50				
225	Sifter Hanger Bracket	2 "	.40	235-B	Outside Collar for Relief Spring	1 "	.50				
226	Sifter Adjusting Nut	2 "	.50	236	Ball Thrust Bearing	1 Lb.	2.40				
227	Rubber Bushing for Sifter Head	8 Oz.	.50	236-a	Follow Block (not illustrated)	6 Oz.	.50				
228	Sifter Vibrator Connecting Rod	2 Lbs.	.60	237	Lock Lever	2 Lbs.	1.00				
229	Sifter Vibrator	4 "	2.00	238	Thrust Screw and Hand Wheel	3 "	2.40				
230	Eccentric Complete	6 "	4.00	239	Iron Yoke Frame, Bearings Babbitted ...	70 "	12.50				
231	Eccentric Hub Only	3 "	1.60	240	Thrust End Bearing Cap	5 "	2.50				
232	Eccentric Strap Only	3 "	2.40	241	Middle Bearing Cap	3 "	2.00				
233	Eccentric Ring Only	2 "	1.00	242	Fan End Bearing Base	7 "	3.00				
234	Relief Spring (Coil)	1 "	.60	243	Fan End Bearing Cap	3 "	1.00				
235-A	Inside Collar for Relief Spring	1 "	.50	245	Drive Iron for Runner Stone	5 "	1.00				
235-B	Outside Collar for Relief Spring	1 "	.50	246	Main Shaft	25 "	4.00				
236	Ball Thrust Bearing	1 "	2.40	247	Spiral Feed Conveyor	1 "	.50				
236-a	Follow Block (not illustrated)	6 Oz.	.50	248	Drive Pulley, 10"x5"	30 "	6.18				
237	Lock Lever	2 Lbs.	1.00	249	Fan Belt	8 Oz.	.60				
238	Thrust Screw and Hand Wheel	3 "	2.40	250	Runner Stone, banded, furrowed & dressed	135 Lbs.	16.00				
239	Iron Yoke Frame, Bearings Babbitted ...	60 "	8.00	250-a	Runner Stone, banded, furrowed & dressed cpt. with shaft, drive iron & feed conv'r	175 "	21.50				
240	Thrust End Bearing Cap	5 "	1.80	251	Station'y or bed stone, furrowed & dressed	115 "	14.50				
241	Middle Bearing Cap	3 "	1.60	252	Furrow Gauge (not illustrated)	2 Oz.	.20				
242	Rear End Bearing Base	6 "	2.00	253	Meal Spout	2 Lbs.	.60				
243	Rear End Bearing Cap	3 "	1.00	254	Rubber Bushing for Sifter Vibrator, also for Weevil Spout Vibrator	4 Oz.	.10				
245	Drive Iron for Runner Stone	5 "	1.00		Valve finger under screen of weevil spout	1 Lb.	.50				
246	Main Shaft	23 "	3.60	PARTS LIST FOR 20" MILL							
247	Spiral Feed Conveyor	1 "	.50	200	Hopper, complete with legs attached	30 Lbs.	\$ 6.50				
248	Drive Pulley, 8"x4"	25 "	4.92	201	Hopper Legs	5 "	.75				
250	Runner Stone, banded, furrowed & dressed	75 "	12.50	202	Feed Cut-off Band	2 "	.90				
250-a	Runner Stone, banded, furrowed & dressed cpt. with shaft, drive iron & feed conv'r	105 "	17.60	203	Feed Control Fork	3 "	1.40				
251	Station'y or bed stone, furrowed & dressed	65 "	12.00	204	Feed Control Lever	2 "	.60				
252	Furrow Gauge (not illustrated)	2 Oz.	.20	205	Feed Control Stand	5 "	2.00				
253	Meal Spout	2 Lbs.	.50	206	Fan	3 "	2.00				
254	Rubber Bushing for Sifter Vibrator, also for Weevil Spout Vibrator	4 Oz.	.10	207	Fan Case	10 "	3.60				
	Valve finger under screen of weevil spout	1 Lb.	.50	208	Fan Case Door and Wing Bolt	1 "	.40				
PARTS LIST FOR 16" MILL											
200	Hopper, complete with legs attached	30 Lbs.	\$6.50	209	Grooved Pulley for Shaft	1 "	.60				
201	Hopper Legs	5 "	.75	210	Grain Feed Spout	8 "	4.00				
202	Feed Cut-off Band	2 "	.90	211	Dust Spout	4 "	1.20				
203	Feed Control Fork	3 "	1.40	212	Fan Drive Pulley	3 "	1.20				
204	Feed Control Lever	2 "	.60	212-s	Fan Shaft (not illustrated)	2 "	.75				
205	Feed Control Stand	5 "	2.00	213	Comb. Fan and Elevator Drive Pulley ...	4 "	1.60				
206	Fan	3 "	2.00	214	Grain Receiver	3 "	1.50				
207	Fan Case	10 "	3.60	215	Weevil Spout Complete	6 "	6.00				
208	Fan Case Door and Wing Bolt	1 "	.40	216	Corn Screens for Weevil Spout	3 "	3.00				
209	Grooved Pulley for Shaft	1 "	.60	217	Wheat Screens for Weevil Spout	3 "	3.50				
210	Grain Feed Spout	8 "	3.50	218	Connecting Iron for Weevil Spout	2 "	.80				
211	Dust Spout	4 "	1.20	219	Weevil Spout Vibrator	4 "	1.40				
212	Fan Drive Pulley	3 "	1.00	220	Vibrator Support	5 "	1.60				
212-s	Fan Shaft (not illustrated)	2 "	.75	221	Clevis for Vibrator Connecting Rod, also for Sifter Connecting Rod	1 "	1.00				
213	Comb. Fan and Elevator Drive Pulley ...	4 "	1.40	222	Vibrator Connecting Rod	2 "	.80				
214	Grain Receiver	3 "	1.50	223	Sifter Complete (Meal) (wrapped)	8 "	5.00				
215	Weevil Spout Complete	6 "	6.00	224	Wooden Sifter Hanger	2 "	.50				
216	Corn Screens for Weevil Spout	3 "	3.00	225	Sifter Hanger Bracket	3 "	.50				
217	Wheat Screens for Weevil Spout	3 "	3.50	226	Sifter Adjusting Nut	2 "	.50				
				227	Rubber Bushing for Sifter Head	8 Oz.	.50				

Parts No.	Name of Part	Shipping Weight	Selling Price (each)	Parts No.	Name of Part	Shipping Weight	Selling Price (each)
228	Sifter Vibrator Connecting Rod	2 Lbs.	\$.80	243	Fan End Bearing Cap	4 Lbs.	\$1.80
229	Sifter Vibrator	4 "	2.00	244	Angle Brace for Mill Frame	7 "	1.50
230	Eccentric Complete	10 "	5.00	245	Drive Iron for Runner Stone	5 "	1.60
231	Eccentric Hub Only	5 "	2.00	246	Main Shaft	45 "	5.60
232	Eccentric Strap Only	4 "	3.00	247	Spiral Feed Conveyor	2 "	.90
233	Eccentric Ring Only	2 "	1.60	248	Drive Pulley, 14"x6"	40 "	9.06
234	Relief Spring (Coil)	1 "	.80	249	Fan Belt	8 Oz.	.80
235-A	Inside Collar for Relief Spring	1 "	.60	250	Runner Stone, banded, furrowed & dressed	275 Lbs.	24.00
235-B	Outside Collar for Relief Spring	1 "	.60	250-a	Runner Stone, banded, furrowed & dressed cpt. with shaft, drive iron & feed conv'r	350 "	32.10
236	Ball Thrust Bearing	1 "	2.80	251	Station'y or bed stone, furrowed & dressed	225 "	22.00
236-a	Follow Block (not illustrated)	8 Oz.	.75		Furrow Gauge (not illustrated)	2 Oz.	.20
237	Lock Lever	2 Lbs.	1.00	252	Meal Spout	2 Lbs.	.80
238	Thrust Screw and Hand Wheel	3 "	2.40	253	Rubber Bushing for Sifter Vibrator, also for Weevil Spout Vibrator	4 Oz.	.10
239	Iron Yoke Frame, Bearings Babbitted	75 "	14.50	254	Valve finger under screen of weevil spout	1 Lb.	.50
240	Thrust End Bearing Cap	5 "	2.50				
241	Middle Bearing Cap	3 "	2.40				
242	Fan End Bearing Base	8 "	4.00				
243	Fan End Bearing Cap	4 "	1.60				
244	Drive Iron for Runner Stone	5 "	1.20				
245	Main Shaft	30 "	4.80				
246	Spiral Feed Conveyor	1 "	.60				
247	Drive Pulley, 12"x6"	33 "	7.92				
248	Fan Belt	8 Oz.	.70				
249	Runner Stone, banded, furrowed & dressed	200 Lbs.	20.00				
250	Runner Stone, banded, furrowed & dressed cpt. with shaft, drive iron & feed conv'r	250 "	26.60				
250-a	Station'y or bed stone, furrowed & dressed	150 "	18.00				
251	Furrow Gauge (not illustrated)	2 Oz.	.20				
252	Meal Spout	2 Lbs.	.70				
253	Rubber Bushing for Sifter Vibrator, also for Weevil Spout Vibrator	4 Oz.	.10				
254	Valve finger under screen of weevil spout	1 Lb.	.50				
	PARTS LIST FOR 24" MILL				PARTS LIST FOR 30" MILL		
200	Hopper, complete with legs attached	35 Lbs.	\$ 7.50	200	Hopper, complete with legs attached	35 Lbs.	\$ 7.50
201	Hopper Legs	6 "	.90	201	Hopper Legs	6 "	.90
202	Feed Cut-off Band	2 "	.90	202	Feed Cut-off Band	2 "	.90
203	Feed Control Fork	3 "	1.40	203	Feed Control Fork	3 "	1.40
204	Feed Control Lever	2 "	.60	204	Feed Control Lever	2 "	.60
205	Feed Control Stand	5 "	2.00	205	Feed Control Stand	5 "	2.00
206	Fan	4 "	2.80	206	Fan	4 "	2.80
207	Fan Case	12 "	4.80	207	Fan Case	12 "	4.80
208	Fan Case Door and Wing Bolt	1 "	.40	208	Fan Case Door and Wing Bolt	1 "	.40
209	Grooved Pulley for Shaft	1 "	.60	209	Grooved Pulley for Shaft	1 "	.60
210	Grain Feed Spout	9 "	5.00	210	Grain Feed Spout	13 "	6.00
211	Dust Spout	5 "	1.60	211	Dust Spout	5 "	1.60
212	Fan Drive Pulley	4 "	1.40	212	Fan Drive Pulley	4 "	1.40
212-s	Fan Shaft (not illustrated)	2 "	.75	212-s	Fan Shaft (not illustrated)	2 "	.75
213	Comb. Fan and Elevator Drive Pulley	5 "	2.00	213	Comb. Fan and Elevator Drive Pulley	5 "	2.00
214	Grain Receiver	3 "	2.00	214	Grain Receiver	3 "	2.00
215	Weevil Spout Complete	6 "	8.00	215	Weevil Spout Complete	6 "	8.00
216	Corn Screens for Weevil Spout	4 "	4.00	216	Corn Screens for Weevil Spout	4 "	4.00
217	Wheat Screens for Weevil Spout	4 "	4.50	217	Wheat Screens for Weevil Spout	4 "	4.50
218	Connecting Iron for Weevil Spout	2 "	.80	218	Connecting Iron for Weevil Spout	2 "	.80
219	Weevil Spout Vibrator	4 "	1.40	219	Weevil Spout Vibrator	4 "	1.40
220	Vibrator Support	5 "	1.60	220	Vibrator Support	5 "	1.60
221	Clevis for Vibrator Connecting Rod, also for Sifter Connecting Rod	1 "	1.00	221	Clevis for Vibrator Connecting Rod, also for Sifter Connecting Rod	1 "	1.00
222	Vibrator Connecting Rod	2 "	.90	222	Vibrator Connecting Rod	2 "	.90
223	Sifter Complete (Meal) (wrapped)	8 "	5.00	223	Sifter Complete (Meal) (crated)	25 "	6.00
224	Wooden Sifter Hanger	2 "	.60	224	Wooden Sifter Hanger	2 "	.60
225	Sifter Hanger Bracket	3 "	.60	225	Sifter Hanger Bracket	4 "	.75
226	Sifter Adjusting Nut	2 "	.50	226	Sifter Adjusting Nut	2 "	.50
227	Rubber Bushing for Sifter Head	8 Oz.	.50	227	Rubber Bushing for Sifter Head	8 Oz.	.50
228	Sifter Vibrator Connecting Rod	2 Lbs.	.90	228	Sifter Vibrator Connecting Rod	3 Lbs.	.90
229	Sifter Vibrator	4 "	2.00	229	Sifter Vibrator	4 "	2.00
230	Eccentric Complete	10 "	6.00	230	Eccentric Complete	10 "	6.00
231	Eccentric Hub Only	5 "	2.50	231	Eccentric Hub Only	5 "	2.50
232	Eccentric Strap Only	4 "	3.00	232	Eccentric Strap Only	4 "	3.00
233	Eccentric Ring Only	2 "	1.60	233	Eccentric Ring Only	2 "	1.60
234	Relief Spring (Coil)	1 "	1.00	234	Relief Spring (Coil)	1 "	1.00
235-A	Inside Collar for Relief Spring	2 "	.80	235-A	Inside Collar for Relief Spring	2 "	.80
235-B	Outside Collar for Relief Spring	2 "	.80	235-B	Outside Collar for Relief Spring	2 "	.80
236	Ball Thrust Bearing	2 "	3.20	236	Ball Thrust Bearing	2 "	3.20
236-a	Follow Block (not illustrated)	8 Oz.	1.00	236-a	Follow Block (not illustrated)	8 Oz.	1.00
237	Lock Lever	2 Lbs.	1.00	237	Lock Lever	2 Lbs.	1.00
238	Thrust Screw and Hand Wheel	3 "	2.40	238	Thrust Screw and Hand Wheel	3 "	2.40
239	Iron Yoke Frame, Bearings Babbitted	120 "	18.00	239	Iron Yoke Frame, Bearings Babbitted	120 "	18.00
240	Thrust End Bearing Cap	5 "	3.00	240	Thrust End Bearing Cap	5 "	3.00
241	Middle Bearing Cap	4 "	2.80	241	Middle Bearing Cap	4 "	2.80
242	Fan End Bearing Base	8 "	5.00	242	Fan End Bearing Base	8 "	5.00
				243	Fan End Bearing Cap	4 "	1.80
				244	Angle Brace for Mill Frame	7 "	1.50
				245	Drive Iron for Runner Stone	5 "	1.60
				246	Main Shaft	50 "	6.00
				247	Spiral Feed Conveyor	2 "	.90
				248	Drive Pulley, 16"x8"	75 "	13.20
				249	Fan Belt	8 Oz.	.90
				250	Runner Stone, banded, furrowed & dressed	410 Lbs.	28.00
				250-a	Runner Stone, banded, furrowed & dressed cpt. with shaft, drive iron & feed conv'r	500 "	36.50
				251	Station'y or bed stone, furrowed & dressed	325 "	26.00
					Furrow Gauge (not illustrated)	2 Oz.	.20
				252	Meal Spout	3 Lbs.	.90
				253	Rubber Bushing for Sifter Vibrator, also for Weevil Spout Vibrator	4 Oz.	.10
				254	Valve finger under screen of weevil spout	1 Lb.	.50

NOTE: Fan shaft bearings are babbitted in fan case and cannot be furnished separately.

Operating Instructions For Meadows Gold Medal Stone Burr Mills

IMPORTANT. Before accepting mill from transportation company see that no parts are broken, damaged or lost. The sifter is wired inside of crate and meal spout is fastened on top of mill. All other parts are in place ready to run, except sifter hanger arm and vibrator which are turned in to avoid danger of breaking. It sometimes happens that a mill is dropped or thrown heavily on end in shipping with enough force to strain the frame or casing, throwing the stones out of alignment. Be sure to notice if the mill shows signs of rough handling, and if there is anything broken, damaged or missing. If so have the delivering agent make proper notation on freight bill or delivery ticket.

PLACING THE MILL. The floor of mill house should be amply strong to carry weight of mill without vibration. No special foundation is necessary when this is so. Instead of bolting mill to floor, it is better to nail a cleat to the floor on the power side of the mill with a wedge partly inserted between the mill sill and cleat at each end. The belt can then be tightened when necessary by driving in the wedges. When possible, place the mill about 15 feet from power, so the belt will not have to be run too tight.

TO START THE MILL. Mills are shipped with the stones turned close together to avoid damage in transit. Before starting the mill lift the lock lever and turn the thrust wheel back about one round to let the runner stone turn freely without touching bed stone. Also see that mill is properly lubricated. Fill oil wells on three main bearings with cotton waste and squirt oil freely on this. Fill grease cups on eccentric and fan shaft with cup grease. Next, start the mill and turn thrust wheel until stones rub together, then back off slightly so the stones run as close together as possible without actually touching. The stones should never be rubbed together when grinding as this will give the meal a burnt taste, beside glazing the burrs, and if continually rubbed together will cause heat which may cause the stones to crack. Never run the mill at a speed faster than stencilled on mill. An arrow on mill shows direction that mill and pulley should run.

THE FEED CONTROL. The flow of grain from hopper to mill is controlled by simply raising or lowering the hand lever of feed control. This lever should stay in any position where placed, but if it should ever become loose, it is only necessary to loosen lock nut on pivot bolt and turn up bolt enough to tighten.

WEEVIL SPOUT. All screened out waste goes out with the dust from the cleaning fan. If it is desired to grind wheat or other small grain with regular corn screens in Weevil Spout, it is only necessary to lift up top screen of Weevil Spout and reverse the valve finger under the screen. This allows the small grain which goes through the bottom screen to go into the mill instead of out the dust spout.

SIFTER. The sifter is supported by an adjustable wooden sifter hanger (No. 224) and operated by sifter vibrator (No. 229) connected by means of sifter rod to the eccentric (No. 230) which works on main shaft of mill. The sifter vibrator (No. 229) bolts to main cast frame of mill, using bolt which will be found in hole in the lug (The lock nut should always be on the bottom of lug). Two holes are provided for connecting eccentric rod to sifter vibrator. The inside hole gives greater vibration to sifter and is for use on large mills or in cases where mill is run at lower than rated speed, or when greater vibration is wanted. If the bran works toward upper end of sifter instead of going off the lower or tail end as it should, a very slight adjustment of wooden sifter hanger (No. 224) by tapping either to the right or left, will change the direction of bran and flow of meal.

CARE OF BURRS. On account of the fact that the stones used in these mills need so little sharpening, many operators make the mistake of giving them no attention at all. It is much easier to give the stones a light dressing before they need it badly than wait until the furrows are nearly worn out and have to be entirely re-cut. If you find that the capacity of mill is smaller than formerly, or that the meal or flour is heating, examine the burrs. To open the mill, take out the lag screw in the base of each hopper leg and set the hopper off out of the way. Loosen the set screw in the fan drive pulley and remove this pulley from the end of shaft. Take out the clamp bolts which hold the two halves of mill casing together. There are two of these on each side of the smaller sizes of mills and three on the larger sizes. An easy way to remove the rear half, or fan side, of mill casing is to run a warehouse truck between the sills of mill, catch the lip of truck under the bottom of casing and bear down on the handles enough to lighten the weight of casing from the sills and pull back.

When the casing is withdrawn enough for the end of shaft to pass through the rear bearing (the cap of this bearing should have been slightly loosened), the half of casing may be laid flat on the truck, with the face of bed stone up, which is the best position for dressing the stone. Leave the runner stone in place in the other half of mill and set this section of mill up on end so that it rests on the ends of sills, and on thrust wheel. This leaves the face of runner stone horizontal and about the right height to dress while standing. On account of the hardness of these stones few picks will cut them, and it is well for every mill owner to provide himself with one or more of the hand tempered mill picks we make especially for this purpose.

TESTING STONES FOR ALIGNMENT AND GUIDE FOR DRESSING. It is very important that the stones be dressed evenly on all sections to maintain the very accurate alignment necessary for grinding cool, even meal. When the mill is adjusted for fine grinding, the stones are only the thickness of a thin sheet of paper apart, and if the faces are not kept perfectly parallel it is evident that this condition will have a serious effect on proper grinding. The following is a sure method of testing the stones for alignment, and also a guide for even dressing, and we advise that it be used before each dressing of the stones.

When the back half of mill casing is being removed, and before it is moved back entirely from the sills of mill, reach into the open space between the stones and paint the flat grinding surfaces of each stone with the most convenient kind of cold water paint (Powdered Venetian Red, or brick dust mixed with water will do). Then put the two halves of mill back together and run the mill for a few minutes with the stones turned up so they rub together. When the mill is again opened as above, the paint should be rubbed evenly all over if the stones are perfectly parallel. In this case dressing the stones as described below will involve only cutting through the remaining paint which will act as a guide for uniform dressing all around the stones. If the above painting test shows the paint rubbed off on one side and not touched on the other, it shows that the section where the paint is rubbed to be too high and this part only is picked off and the test repeated until the stones rub evenly on all flat sections. Since any factor which is likely to disturb the alignment of the stones, such as swelling of the wood frame from abnormal moisture, etc., will affect the position of the bed stone, so practically all of the dressing to correct the alignment will be required on this stone.

DRESSING. Go over the entire surface of both stones with short, even, tapping strokes of the pick, with the cut of each stroke pointing toward the center of the stone. The closer the cuts are together, the finer the dress. A fine dress is better for fine grinding and a coarse dress for fast and coarse grinding. Remember that no part of the surface of stone should be rounded. This refers both to lands or level grinding surfaces and furrows. Each flat land or grinding surface drops square off to the bottom of the next furrow, the furrow slopes up in a straight line to a feather edge to the next land. The bottom of each furrow should be about 5-16" deep at the eye of the stone and slope out to about 1-16" at the edge of the stone. This refers to lengthwise slope of furrow from inside source to outside edge of stone. Deepening the furrow at the edge of stone will cause coarse meal to come from mill, and if it is too deep occasionally whole grains will pass through mill. The furrows should be wider at point of origin than where they end at rim of stone. The lands or grinding surfaces should be just the reverse, narrower at origin and wider at outer edge of stone. Always dress furrows, as well as lands, being careful to keep the same draft and shape of both as originally laid off at the factory. We cannot be responsible for the satisfactory service of mill when the draft or dressing of burrs is changed, or when improperly dressed. Neither stone should be dressed concave or hollow in the middle, but each land or finishing surface should be kept level through its whole length. The grain is broken up in the furrow and the fine grinding is finished on the land. We have found by long experience that the maximum capacity with the least power is to be had with the arrangement and proportion of furrows and lands as originally laid out. In putting mill back together be sure that no meal or trash is lodged on sills to keep both halves from fitting closely together. Also see that the bolts holding halves together are tightened evenly all around. The secret of successfully operating your mill is in keeping the stones in proper alignment, properly dressed and sharpened. If you do this correctly your mill will give you the long and satisfactory service which is built into it.

REPAIR PARTS LIST :- INSTRUCTION BOOK

Meadows Gold Medal Grist Mills

MEADOWS MILL COMPANY, North Wilkesboro, N. C., U. S. A.

(Applying to mills with Serial number of 20,000 and up. The serial number of every mill is stamped on the end of wood casing above meal spout, also on the lower end of Weevil Spout. It is important to give this serial number when ordering parts).

Before accepting mill from transportation company, see that no parts are broken, damaged or lost. The Sifter and Meal Spout are wired to mill inside the crate. All other parts are in place and ready to run, except the sifter hanger arm and vibrator, which are turned in to avoid danger of breakage. It sometimes happens that a mill is dropped or thrown heavily on end in shipping, with enough force to strain the frame or casing, throwing the stones out of line. Be sure to notice if mill shows signs of such rough handling.

Placing the mill. The floor of mill house should be amply strong to carry weight of mill without vibration. No special foundation is necessary when this is so. Instead of bolting mill to floor, it is better to nail a cleat to the floor on the power side of the mill, with a wedge partly inserted between the mill sill and cleat at each end. The belt can then be tightened when necessary by driving in the wedges. When possible, place the mill about 15 feet from power, so the belt will not have to be run too tight.

To start the mill. Mills are shipped with the stones turned up close together to avoid damage in transit. Before starting mill, lift the lock lever and turn thrust wheel back enough to let the runner stone turn freely without touching the bed stone. Start the mill, after freely oiling all bearings and seeing that grease cup on eccentric is filled with grease, turn up thrust wheel until the stones rub together, then back off slightly, so that the stones run as close together as possible without actually touching. The stones should never be rubbed hard together when grinding, as this will give the meal a burned taste, besides glazing the burrs.

The Feed Control. The flow of grain from hopper to mill is controlled by simply raising or lowering the hand lever of feed control. This lever should stay in any position where placed, but if it should ever become loose, it is only necessary to loosen lock nut on pivot bolt and turn up bolt enough to tighten.

Weevil Spout. This important part has recently been greatly improved. All screened out waste now goes out with the dust from the cleaning fan. If it is desired to grind wheat or other small grain with regular corn screens in Weevil Spout, it is only necessary to lift up lower end of Weevil Spout and reverse the valve or finger under the screen. This allows the small grain which goes through the bottom screen to go into the mill instead of out the dust spout.

Sifter. The Sifter is supported by an adjustable ar mand bracket and operated by an angle vibrator connected to the eccentric on main shaft of mill. Two holes are provided for connecting eccentric rod to sifter vibrator. The inside hole gives greater vibration to Sifter and is for use on large mills, or in cases where the mill is run at lower than the rated speed. If the bran works toward the upper end of Sifter instead of going off the lower end, a very slight adjustment of hanger arm either to right or left will change direction of bran and flow of meal.

Care of Burrs. On account of the fact that the stones used in these mills need so little sharpening many operators make the mistake of giving them no attention at all. It is much easier to give your stones a light dressing before they need it badly than to wait until the furrows are nearly worn out and have to be entirely re-cut. If you find that the capacity of your mill is smaller than formerly, or that the meal or flour is heating, examine the burrs. To open mill, remove the two bolts through upper part of case, loosen nuts on hinge bolts at lower part, loosen set screw in fan pulley and slide the half of mill on fan end back on the sills. If you have a warehouse truck, run it between sills of mill at fan end, place lip of truck under that half of casing, bear down on handles of truck enough to take most of weight of the half of mill casing from the sills and pull back. When the end of mill shaft passes through bearings, the half of mill may be laid down flat on the truck, which is the proper position for dressing the bed stone. Leave the runner stone in place in the other half of mill and turn it up on end, resting on the ends of sills and the thrust screw. This leaves the runner stone horizontal with the face up for dressing. On account of the hardness of these stones few picks will cut them and it is well for every mill owner to provide himself with a pair of the hand tempered picks we make especially for this purpose.

Dressing. Go over the entire surface of both stones with short, even, tapping strokes of the pick, with the cut of each stroke pointing toward the center of the stone. The closer the cuts are together, the finer the dress. A fine dress is better for grinding flour and fine meal, a coarse dress will grind faster but not so finely. Remember that no part of the surface of stone should be rounded. Each flat land or grinding surface drops square off to the bottom of the next furrow, the furrow slopes up in straight line to a feather edge on the next land. The bottom of each furrow should be about 5-16 in. deep at the eye of the stone and slope out to about 1-16 in. at the edge of stone. Deepening the furrow at the edge of stone will cause

coarse meal to come from the mill. Always dress furrows as well as lands, being careful to keep the same draft and shape of both as originally laid off at the factory. We cannot be responsible for the satisfactory service of mill when the draft or dressing of burrs is changed. In putting mill back together be sure that no meal or trash is lodged on sills to keep both halves from fitting closely together, also see that the bolts holding halves together are tightened evenly all around.

IF YOUR MILL GETS OUT OF ALIGNMENT—

When the mill is grinding fine meal the stones are only the thickness of a sheet of paper apart, and if for any cause their faces are not perfectly parallel, it is evident that it will have a serious effect on proper grinding. If when lightly thrown together the stones touch with an uneven bumping sound instead of an even continuous rub, the stones are out of line.

The process of re-aligning the mill is the same as sharpening except that only the high part of stone is dressed off. Open the mill as for sharpening and paint the grinding surface of stones with any cold water paint (venetian red and water is good), then put mill together and run stones lightly together for a few minutes. When mill is again opened the paint will be found to be rubbed off on the high part of stone and not on other part. Dress off where the paint is rubbed and repeat the process until the stones touch evenly all around. It is a very rare case for the runner stone to be out of line and therefore only the bed stone should be dressed off. Outside of rough handling in shipping there are few causes for the above trouble. If a mill stands idle for some time in a very hot and damp place, the small amount of meal left from last grinding may swell by absorbing moisture from the air and so swell the timbers of lower part of mill casing. This can be avoided by cleaning out mill before leaving it idle for some time.

If there is any point in the operation of your mill about which you would like further information, the factory will be glad to fully answer your inquiries and to be of all possible help in seeing that this mill gives you the good services of which it is capable.

REPAIR PARTS LIST, GRIST MILLS SHOP NO. 20,000 AND UP

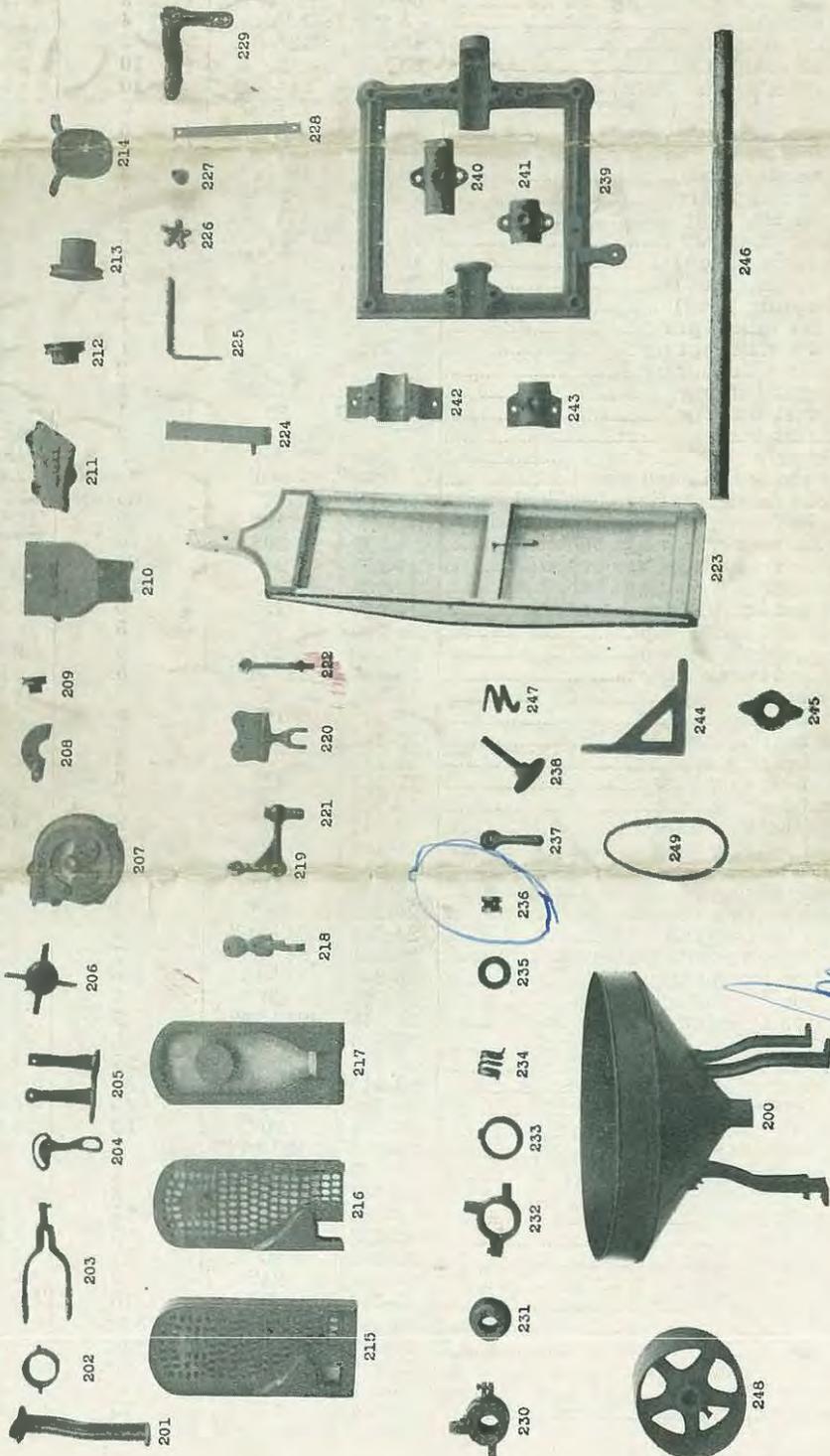
Name of Part	Part No.	For Mill Size	Approximate Shipping Wt.	Price
Hopper, complete with legs attached.....	12-200	12"	25	\$ 5.50
Hopper, complete with legs attached.....	16-200	16"-20"	30	6.50
Hopper, complete with legs attached.....	24-200	24"-30"	35	7.50
Hopper legs	12-201	12"-16"-20"	5	.75
Hopper legs	24-201	24"-30"	6	.90
Feed cut-off band.....	202	All	2	.90
Feed control fork	203	All	3	1.40
Feed control lever	204	All	2	.60
Feed control stand	205	All	5	2.00
Fan	16-206	16"-20"	3	2.00
Fan	24-206	24"-30"	4	2.80
Fan case	16-207	16"-20"	10	3.60
Fan case	24-207	24"-30"	12	4.80
Fan case door and wing bolt	208	All	1	.40
Grooved pulley for shaft	209	All	1	.60
Grain feed spout	12-210	12"	2	1.00
Grain feed spout	16-210	16"	8	3.50
Grain feed spout	20-210	20"	8	4.00
Grain feed spout	24-210	24"	9	5.00
Grain feed spout	30-210	30"	13	6.00
Dust spout	16-211	16"-20"	4	1.20
Dust spout	24-211	24"-30"	5	1.60
Fan drive pulley	16-212	16"	3	1.00
Fan drive pulley	20-212	20"	3	1.20
Fan drive pulley	24-212	24"-30"	4	1.40
Combined fan and elevator drive pulley....	16-213	16"	4	1.40
Combined fan and elevator drive pulley....	20-213	20"	4	1.60
Combined fan and elevator drive pulley....	24-213	24"-30"	5	2.00
Grain receiver	16-214	16"-20"	3	1.50
Grain receiver	24-214	24"-30"	3	2.00
Weevil spout complete	16-215	12"-16"-20"	6	6.00
Weevil spout complete	24-215	24"-30"	7	8.00
Corn screens for weevil spout	16-216	16"-20"	3	3.00
Corn screens for weevil spout	24-216	24"-30"	4	4.00
Wheat screens for weevil spout	16-217	16"-20"	3	3.50
Wheat screens for weevil spout	24-217	24"-30"	4	4.50
Connecting iron for weevil spout	218	All	2	.80
Weevil spout vibrator	219	All	4	1.40
Vibrator support	220	All	5	1.60
Ball socket for vibrator	221	All	1	1.50
Vibrator connecting rod	12-222	12"	1	.60
Vibrator connecting rod	16-222	16"	1	.60
Vibrator connecting rod	20-222	20"	2	.80
Vibrator connecting rod	24-222	24"	2	.90
Vibrator connecting rod	30-222	30"	2	.90
Sifter complete (meal)	12-223	12"	7	4.00
Sifter complete (meal)	16-223	16"-20"	8 wrapped	5.00
Sifter complete (meal)	24-223	24"-30"	25 crated	6.00

Please return this list

Name of Part	Part No.	For Mill Size	Approximate Shipping Wt.	Price
Wooden sifter hanger	12-224	12"	1	\$.50
Wooden sifter hanger	16-224	16"	1	.50
Wooden sifter hanger	20-224	20"	2	.50
Wooden sifter hanger	24-224	24"	2	.60
Wooden sifter hanger	30-224	30"	2	.60
Sifter hanger bracket	12-225	12"	2	.40
Sifter hanger bracket	16-225	16"	2	.50
Sifter hanger bracket	20-225	20"	3	.50
Sifter hanger bracket	24-225	24"	3	.60
Sifter hanger bracket	30-225	30"	4	.75
Sifter adjusting nut	226	All	2	.50
Composition sifter proof socket	227	All	8 oz.	1.00
Sifter vibrator connecting rod	12-228	12"	2	.40
Sifter vibrator connecting rod	16-228	16"	2	.50
Sifter vibrator connecting rod	20-228	20"	2	.50
Sifter vibrator connecting rod	24-228	24"	2	.60
Sifter vibrator connecting rod	30-228	30"	3	.60
Sifter vibrator	229	All	4	2.00
Eccentric complete	16-230	12"-16"	6	4.00
Eccentric complete	20-230	20"	10	5.00
Eccentric complete	24-230	24"-30"	10	6.00
Eccentric hub only	16-231	12"-16"	3	1.60
Eccentric hub only	20-231	20"	5	2.00
Eccentric hub only	24-231	24"-30"	5	2.50
Eccentric strap only	16-232	12"-16"	3	2.40
Eccentric strap only	20-232	20"-24"-30"	4	3.00
Eccentric ring only	16-233	12"-16"	2	1.00
Eccentric ring only	20-233	20"-24"-30"	2	1.60
Relief spring (coil)	16-234	12"-16"	1	.60
Relief spring (coil)	20-234	20"	1	.80
Relief spring (coil)	24-234	24"-30"	1	1.00
Collar for relief spring	16-235	12"-16"	1	.50
Collar for relief spring	20-235	20"	1	.60
Collar for relief spring	24-235	24"-30"	2	.80
Ball thrust bearing	16-236	12"-16"	1	2.40
Ball thrust bearing	20-236	20"	1	2.80
Ball thrust bearing	24-236	24"-30"	2	3.20
Lock lever	237	All	2	1.00
Thrust screw and hand wheel	238	All	3	2.40
Iron yoke frame, bearings babbited	12-239	12"	60	8.00
Iron yoke frame, bearings babbited	16-239	16"	70	12.50
Iron yoke frame, bearings babbited	20-239	20"	75	14.50
Iron yoke frame, bearings babbited	24-239	24"	90	16.00
Iron yoke frame, bearings babbited	30-239	30"	120	18.00
Thrust end bearing cap	12-240	12"	5	1.80
Thrust end bearing cap	16-240	16"	5	2.50
Thrust end bearing cap	20-240	20"	5	2.50
Thrust end bearing cap	24-240	24"-30"	5	3.00
Middle bearing cap	12-241	12"	3	1.60
Middle bearing cap	16-241	16"	3	2.00
Middle bearing cap	20-241	20"	3	2.40
Middle bearing cap	24-241	24"-30"	4	2.80
Fan end bearing base	12-242	12"	6	2.00
Fan end bearing base	16-242	16"	7	3.00
Fan end bearing base	20-242	20"	8	4.00
Fan end bearing base	24-242	24"-30"	8	5.00
Fan end bearing cap	12-243	12"	3	1.00
Fan end bearing cap	16-243	16"	3	1.00
Fan end bearing cap	20-243	20"	4	1.60
Fan end bearing cap	24-243	24"-30"	4	1.80
Angle brace for mill frame	24-244	24"-30"	7	1.50
Drive iron for runner stone	16-245	12"-16"	5	1.00
Drive iron for runner stone	20-245	20"	5	1.20
Drive iron for runner stone	24-245	24"-30"	5	1.60
Main shaft	12-246	12"	23	3.60
Main shaft	16-246	16"	25	4.00
Main shaft	20-246	20"	30	4.80
Main shaft	24-246	24"	45	5.60
Main shaft	30-246	30"	50	6.00
Spiral feed conveyor	16-247	12"-16"	1	.50
Spiral feed conveyor	20-247	20"	1	.60
Spiral feed conveyor	24-247	24"-30"	2	.90
Drive pulley	12-248	12"	25	3.35
Drive pulley	16-248	16"	30	4.45
Drive pulley	20-248	20"	33	5.80
Drive pulley	24-248	24"	40	6.70
Drive pulley	30-248	30"	75	9.20
Fan belt	16-249	16"	8 oz.	.60
Fan belt	20-249	20"	8 oz.	.70
Fan belt	24-249	24"	8 oz.	.80
Fan belt	30-249	30"	8 oz.	.90
runner stone, banded, furrowed & dressed	12-250	12"	75	12.50

Name of Part	Part No.	For Mill Size	Approximate Shipping Wt.	Price
Runner stone, banded, furrowed & dressed	16-250	16"	135	\$16.00
Runner stone, banded, furrowed & dressed	20-250	20"	200	20.00
Runner stone, banded, furrowed & dressed	24-250	24"	275	24.00
Runner stone, banded, furrowed & dressed	30-250	30"	410	28.00
Stat'y, or bed stone (furrowed & dressed)	12-251	12"	65	12.00
Stat'y, or bed stone (furrowed & dressed)	16-251	16"	115	14.50
Stat'y, or bed stone (furrowed & dressed)	20-251	20"	150	18.00
Stat'y, or bed stone (furrowed & dressed)	24-251	24"	225	22.00
Stat'y, or bed stone (furrowed & dressed)	30-251	30"	325	26.00
Furrow guage (not illustrated)		all	2 oz.	.29
Meal spout	12-252	12"	2	.50
Meal spout	16-252	16"	2	.60
Meal spout	20-252	20"	2	.70
Meal spout	24-252	24"	3	.80
Meal spout	30-252	30"	3	.90

If runner stone is wanted mounted on shaft, add price of shaft and drive iron.



REPAIR PARTS LIST -:- INSTRUCTION BOOK

STONE BURR MILLS

(Applying to mills with Serial number of 20,000 and up. The serial number of every mill is stamped on the end of wood casing above meal spout, also on the lower end of Weevil Spout. It is important to give this serial number when ordering parts).

Before accepting mill from transportation company, see that no parts are broken, damaged or lost. The Sifter and Meal Spout are wired to mill inside the crate. All other parts are in place and ready to run, except the sifter hanger arm and vibrator, which are turned in to avoid danger of breakage. It sometimes happens that a mill is dropped or thrown heavily on end in shipping, with enough force to strain the frame or casing, throwing the stones out of line. Be sure to notice if mill shows signs of such rough handling.

Placing the mill. The floor of mill house should be amply strong to carry weight of mill without vibration. No special foundation is necessary when this is so. Instead of bolting mill to floor, it is better to nail a cleat to the floor on the power side of the mill, with a wedge partly inserted between the mill sill and cleat at each end. The belt can then be tightened when necessary by driving in the wedges. When possible, place the mill about 15 feet from power, so the belt will not have to be run too tight.

To start the mill. Mills are shipped with the stones turned up close together to avoid damage in transit. Before starting mill, lift the lock lever and turn thrust wheel back enough to let the runner stone turn freely without touching the bed stone. Start the mill, after freely oiling all bearings and seeing that grease cup on eccentric is filled with grease, turn up thrust wheel until the stones rub together, then back off slightly, so that the stones run as close together as possible without actually touching. The stones should never be rubbed hard together when grinding, as this will give the meal a burned taste, besides glazing the burrs.

The Feed Control. The flow of grain from hopper to mill is controlled by simply raising or lowering the hand lever of feed control. This lever should stay in any position where placed, but if it should ever become loose, it is only necessary to loosen lock nut on pivot bolt and turn up bolt enough to tighten.

Weevil Spout. This important part has recently been greatly improved. All screened out waste now goes out with the dust from the cleaning fan. If it is desired to grind wheat or other small grain with regular corn screens in Weevil Spout, it is only necessary to lift up lower end of Weevil Spout and reverse the valve or finger under the screen. This allows the small grain which goes through the bottom screen to go into the mill instead of out the dust spout.

Sifter. The Sifter is supported by an adjustable ar mand bracket and operated by an angle vibrator connected to the eccentric on main shaft of mill. Two holes are provided for connecting eccentric rod to sifter vibrator. The inside hole gives greater vibration to Sifter and is for use on large mills, or in cases where the mill is run at lower than the rated speed. If the bran works toward the upper end of Sifter instead of going off the lower end, a very slight adjustment of hanger arm either to right or left will change direction of bran and flow of meal.

Care of Burrs. On account of the fact that the stones used in these mills need so little sharpening many operators make the mistake of giving them no attention at all. It is much easier to give your stones a light dressing before they need it badly than to wait until the furrows are nearly worn out and have to be entirely re-cut. If you find that the capacity of your mill is smaller than formerly, or that the meal or flour is heating, examine the burrs. To open mill, remove the two bolts through upper part of case, loosen nuts on hinge bolts at lower part, loosen set screw in fan pulley and slide the half of mill on fan end back on the sills. If you have a warehouse truck, run it between sills of mill at fan end, place lip of truck under that half of casing, bear down on handles of truck enough to take most of weight of the half of mill casing from the sills and pull back. When the end of mill shaft passes through bearings, the half of mill may be laid down flat on the truck, which is the proper position for dressing the bed stone. Leave the runner stone in place in the other half of mill and turn it up on end, resting on the ends of sills and the thrust screw. This leaves the runner stone horizontal with the face up for dressing. On account of the hardness of these stones few picks will cut them and it is well for every mill owner to provide himself with a pair of the hand tempered picks we make especially for this purpose.

Dressing. Go over the entire surface of both stones with short, even, tapping strokes of the pick, with the cut of each stroke pointing toward the center of the stone. The closer the cuts are together, the finer the dress. A fine dress is better for grinding flour and fine meal, a coarse dress will grind faster but not so finely. Remember that no part of the surface of stone should be rounded. Each flat land or grinding surface drops square off to the bottom of the next furrow, the furrow slopes up in straight line to a feather edge on the next land. The bottom of each furrow should be about 5-16 in. deep at the eye of the stone and slope out to about 1-16 in. at the edge of stone. Deepening the furrow at the edge of stone will cause

coarse meal to come from the mill. Always dress furrows as well as lands, being careful to keep the same draft and shape of both as originally laid off at the factory. We cannot be responsible for the satisfactory service of mill when the draft or dressing of burrs is changed. In putting mill back together be sure that no meal or trash is lodged on sills to keep both halves from fitting closely together, also see that the bolts holding halves together are tightened evenly all around.

IF YOUR MILL GETS OUT OF ALIGNMENT—

When the mill is grinding fine meal the stones are only the thickness of a sheet of paper apart, and if for any cause their faces are not perfectly parallel, it is evident that it will have a serious effect on proper grinding. If when lightly thrown together the stones touch with an uneven bumping sound instead of an even continuous rub, the stones are out of line.

The process of re-aligning the mill is the same as sharpening except that only the high part of stone is dressed off. Open the mill as for sharpening and paint the grinding surface of stones with any cold water paint (venetian red and water is good), then put mill together and run stones lightly together for a few minutes. When mill is again opened the paint will be found to be rubbed off on the high part of stone and not on other part. Dress off where the paint is rubbed and repeat the process until the stones touch evenly all around. It is a very rare case for the runner stone to be out of line and therefore only the bed stone should be dressed off. Outside of rough handling in shipping there are few causes for the above trouble. If a mill stands idle for some time in a very hot and damp place, the small amount of meal left from last grinding may swell by absorbing moisture from the air and so swell the timbers of lower part of mill casing. This can be avoided by cleaning out mill before leaving it idle for some time.

If there is any point in the operation of your mill about which you would like further information, the factory will be glad to fully answer your inquiries and to be of all possible help in seeing that this mill gives you the good services of which it is capable.

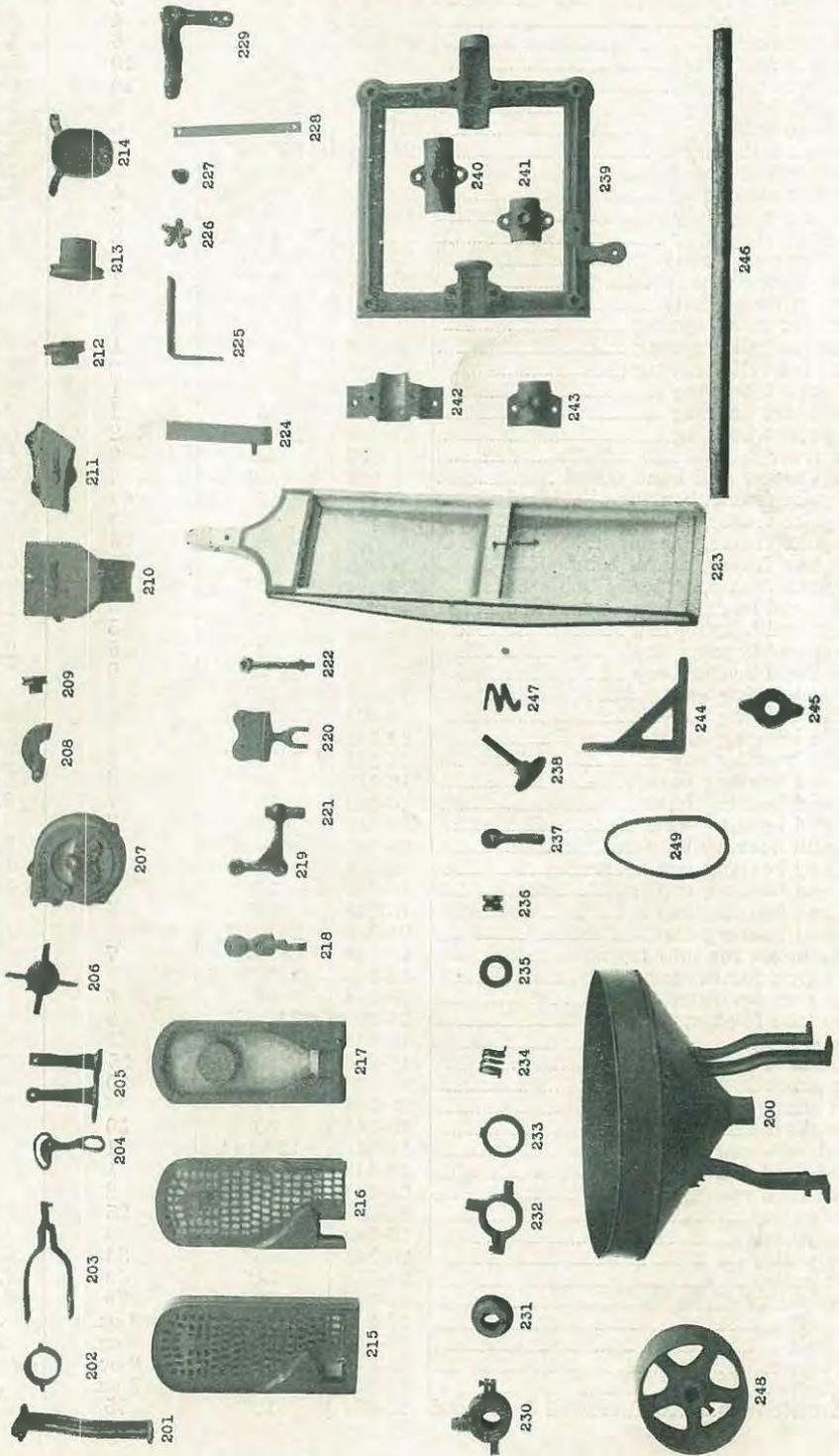
REPAIR PARTS LIST, GRIST MILLS SHOP NO. 20,000 AND UP

Name of Part	Part No.	For Mill Size	Approximate Shipping Wt.	Price
Hopper, complete with legs attached.....	12-200	12"	25	\$ 5.50
Hopper, complete with legs attached.....	16-200	16"-20"	30	6.50
Hopper, complete with legs attached.....	24-200	24"-30"	35	7.50
Hopper legs	12-201	12"-16"-20"	5	.75
Hopper legs	24-201	24"-30"	6	.90
Feed cut-off band.....	202	All	2	.90
Feed control fork	203	All	3	1.40
Feed control lever	204	All	2	.60
Feed control stand	205	All	5	2.00
Fan	16-206	16"-20"	3	2.00
Fan	24-206	24"-30"	4	2.80
Fan case	16-207	16"-20"	10	3.60
Fan case	24-207	24"-30"	12	4.80
Fan case door and wing bolt	208	All	1	.40
Grooved pulley for shaft	209	All	1	.60
Grain feed spout	12-210	12"	2	1.00
Grain feed spout	16-210	16"	8	3.50
Grain feed spout	20-210	20"	8	4.00
Grain feed spout	24-210	24"	9	5.00
Grain feed spout	30-210	30"	13	6.00
Dust spout	16-211	16"-20"	4	1.20
Dust spout	24-211	24"-30"	5	1.60
Fan drive pulley	16-212	16"	3	1.00
Fan drive pulley	20-212	20"	3	1.20
Fan drive pulley	24-212	24"-30"	4	1.40
Combined fan and elevator drive pulley....	16-213	16"	4	1.40
Combined fan and elevator drive pulley....	20-213	20"	4	1.60
Combined fan and elevator drive pulley....	24-213	24"-30"	5	2.00
Grain receiver	16-214	16"-20"	3	1.50
Grain receiver	24-214	24"-30"	3	2.00
Weevil spout complete	16-215	12"-16"-20"	6	6.00
Weevil spout complete	24-215	24"-30"	7	8.00
Corn screens for weevil spout	16-216	16"-20"	3	3.00
Corn screens for weevil spout	24-216	24"-30"	4	4.00
Wheat screens for weevil spout	16-217	16"-20"	3	3.50
Wheat screens for weevil spout	24-217	24"-30"	4	4.50
Connecting iron for weevil spout	218	All	2	.80
Weevil spout vibrator	219	All	4	1.40
Vibrator support	220	All	5	1.60
Ball socket for vibrator	221	All	1	1.50
Vibrator connecting rod	12-222	12"	1	.60
Vibrator connecting rod	16-222	16"	1	.60
Vibrator connecting rod	20-222	20"	2	.80
Vibrator connecting rod	24-222	24"	2	.90
Vibrator connecting rod	30-222	30"	2	.90
Sifter complete (meal)	12-223	12"	7	4.00
Sifter complete (meal)	16-223	16"-20"	8 wrapped	5.00
Sifter complete (meal)	24-223	24"-30"	25 crated	6.00

Name of Part	Part No.	For Mill Size	Approximate Shipping Wt.	Price
Wooden sifter hanger	12-224	12"	1	\$.50
Wooden sifter hanger	16-224	16"	1	.50
Wooden sifter hanger	20-224	20"	2	.50
Wooden sifter hanger	24-224	24"	2	.60
Wooden sifter hanger	30-224	30"	2	.60
Sifter hanger bracket	12-225	12"	2	.40
Sifter hanger bracket	16-225	16"	2	.50
Sifter hanger bracket	20-225	20"	3	.50
Sifter hanger bracket	24-225	24"	3	.60
Sifter hanger bracket	30-225	30"	4	.75
Sifter adjusting nut	226	All	2	.50
Composition sifter proof socket	227	All	8 oz.	1.00
Sifter vibrator connecting rod	12-228	12"	2	.40
Sifter vibrator connecting rod	16-228	16"	2	.50
Sifter vibrator connecting rod	20-228	20"	2	.50
Sifter vibrator connecting rod	24-228	24"	2	.60
Sifter vibrator connecting rod	30-228	30"	3	.60
Sifter vibrator	229	All	4	2.00
Eccentric complete	16-230	12"-16"	6	4.00
Eccentric complete	20-230	20"	10	5.00
Eccentric complete	24-230	24"-30"	10	6.00
Eccentric hub only	16-231	12"-16"	3	1.60
Eccentric hub only	20-231	20"	5	2.00
Eccentric hub only	24-231	24"-30"	5	2.50
Eccentric strap only	16-232	12"16"	3	2.40
Eccentric strap only	20-232	20"-24"-30"	4	3.00
Eccentric ring only	16-233	12"-16"	2	1.00
Eccentric ring only	20-233	20"-24"-30"	2	1.60
Relief spring (coil)	16-234	12"-16"	1	.60
Relief spring (coil)	20-234	20"	1	.80
Relief spring (coil)	24-234	24"-30"	1	1.00
Collar for relief spring	16-235	12"-16"	1	.50
Collar for relief spring	20-235	20"	1	.60
Collar for relief spring	24-235	24"-30"	2	.80
Ball thrust bearing	16-236	12"-16"	1	2.40
Ball thrust bearing	20-236	20"	1	2.80
Ball thrust bearing	24-236	24"-30"	2	3.20
Lock lever	237	All	2	1.00
Thrust screw and hand wheel	238	All	3	2.40
Iron yoke frame, bearings babbited	12-239	12"	60	8.00
Iron yoke frame, bearings babbited	16-239	16"	70	12.50
Iron yoke frame, bearings babbited	20-239	20"	75	14.50
Iron yoke frame, bearings babbited	24-239	24"	90	16.00
Iron yoke frame, bearings babbited	30-239	30"	120	18.00
Thrust end bearing cap	12-240	12"	5	1.80
Thrust end bearing cap	16-240	16"	5	2.50
Thrust end bearing cap	20-240	20"	5	2.50
Thrust end bearing cap	24-240	24"-30"	5	3.00
Middle bearing cap	12-241	12"	3	1.60
Middle bearing cap	16-241	16"	3	2.00
Middle bearing cap	20-241	20"	3	2.40
Middle bearing cap	24-241	24"-30"	4	2.80
Fan end bearing base	12-242	12"	6	2.00
Fan end bearing base	16-242	16"	7	3.00
Fan end bearing base	20-242	20"	8	4.00
Fan end bearing base	24-242	24"-30"	8	5.00
Fan end bearing cap	12-243	12"	3	1.00
Fan end bearing cap	16-243	16"	3	1.00
Fan end bearing cap	20-243	20"	4	1.60
Fan end bearing cap	24-243	24"-30"	4	1.80
Angle brace for mill frame	24-244	24"-30"	7	1.50
Drive iron for runner stone	16-245	12"-16"	5	1.00
Drive iron for runner stone	20-245	20"	5	1.20
Drive iron for runner stone	24-245	24"-30"	5	1.60
Main shaft	12-246	12"	23	3.60
Main shaft	16-246	16"	25	4.00
Main shaft	20-246	20"	30	4.80
Main shaft	24-246	24"	45	5.60
Main shaft	30-246	30"	50	6.00
Spiral feed conveyor	16-247	12"-16"	1	.50
Spiral feed conveyor	20-247	20"	1	.60
Spiral feed conveyor	24-247	24"-30"	2	.90
Drive pulley	12-248	12"	25	3.35
Drive pulley	16-248	16"	30	4.45
Drive pulley	20-248	20"	33	5.80
Drive pulley	24-248	24"	40	6.70
Drive pulley	30-248	30"	75	9.20
Fan belt	16-249	16"	8 oz.	.60
Fan belt	20-249	20"	8 oz.	.70
Fan belt	24-249	24"	8 oz.	.80
Fan belt	30-249	30"	8 oz.	.90
runner stone, banded, furrowed & dressed	12-250	12"	75	12.50

Name of Part	Part No.	For Mill Size	Approximate Shipping Wt.	Price
Runner stone, banded, furrowed & dressed	16-250	16"	135	\$16.00
Runner stone, banded, furrowed & dressed	20-250	20"	200	20.00
Runner stone, banded, furrowed & dressed	24-250	24"	275	24.00
Runner stone, banded, furrowed & dressed	30-250	30"	410	28.00
Stat'y, or bed stone (furrowed & dressed)	12-251	12"	65	12.00
Stat'y, or bed stone (furrowed & dressed)	16-251	16"	115	14.50
Stat'y, or bed stone (furrowed & dressed)	20-251	20"	150	18.00
Stat'y, or bed stone (furrowed & dressed)	24-251	24"	225	22.00
Stat'y, or bed stone (furrowed & dressed)	30-251	30"	325	26.00
Furrow guage (not illustrated)		all	2 oz.	.20
Meal spout	12-252	12"	2	.50
Meal spout	16-252	16"	2	.60
Meal spout	20-252	20"	2	.70
Meal spout	24-252	24"	3	.80
Meal spout	30-252	30"	3	.90

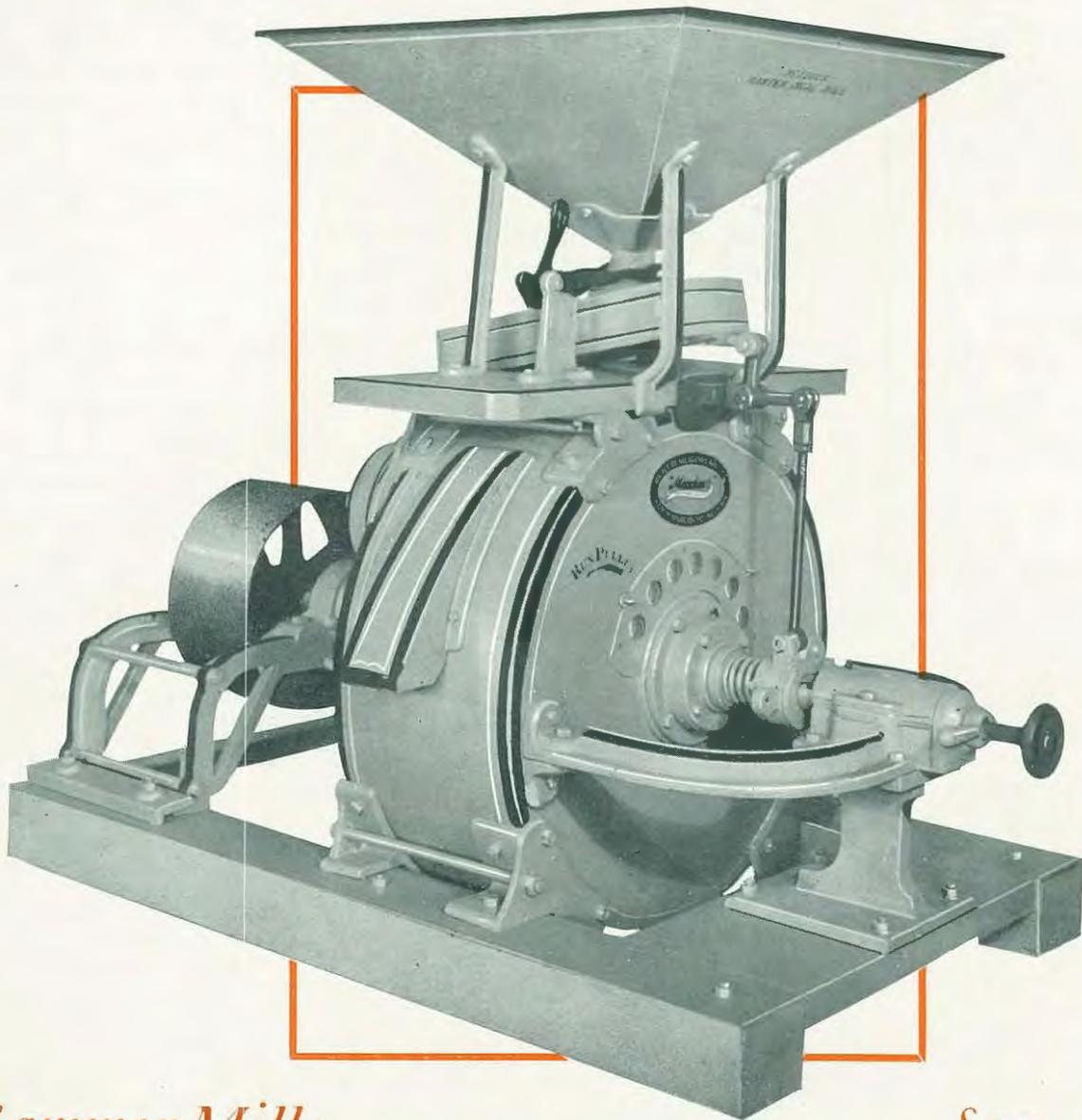
If runner stone is wanted mounted on shaft, add price of shaft and drive iron.



MEADOWS

Master Meal Mills

For The Large Commercial Miller



Hammer Mills
Grist Mills

NOTE sturdy construction, heavy cast yoke frame, patented reverse lock lever, which locks burrs in any desired position, (controls fineness of grinding) and air ventilating shutters.

Saw Mills
Wood Saws

MEADOWS MILL COMPANY, INC.

NORTH WILKESBORO, NORTH CAROLINA, U. S. A.

THE WORLD'S LARGEST BUILDERS OF STONE BURR GRIST MILLS

Stone Burr Mills With Large Capacity and Long Life!

CHECK THESE FEATURES

- 1—Ball bearings.
- 2—Cast iron frame.
- 3—Welded steel base.
- 4—Power applied through flexible coupling.
- 5—Patented cleaning system.
- 6—Air stream ventilation.
- 7—Reverse lock lever.
- 8—Superior stones.
- 9—Whiter, better meal.
- 10—Less power required.
- 11—Longer life of mill.
- 12—Greater volume.

● These unusually durable and efficient Master Meal Mills are the result of nearly 40 years experience!

MEADOWS MASTER MEAL MILLS are designed from the experience gained in building many thousands of self contained, portable grist mills, over a period of nearly forty years. They are the finest and most durable mills we know how to build for grinding corn into soft, fluffy, southern style, water or burr ground meal. Built in 24 and 30 inch sizes (diameter of stones), they will give volume production for the commercial miller, with lowest upkeep and power expense. They will stand up under continuous, heavy duty, day after day grinding. You can hardly wear them out. Check the reasons for such amazing performance and economy.

FLEXIBLE COUPLING or joint between drive pulley and mill shaft entirely removes the flexing and the strain of the shaft upon the stones. This strain, in ordinary type mills, disturbs the alignment of the stones

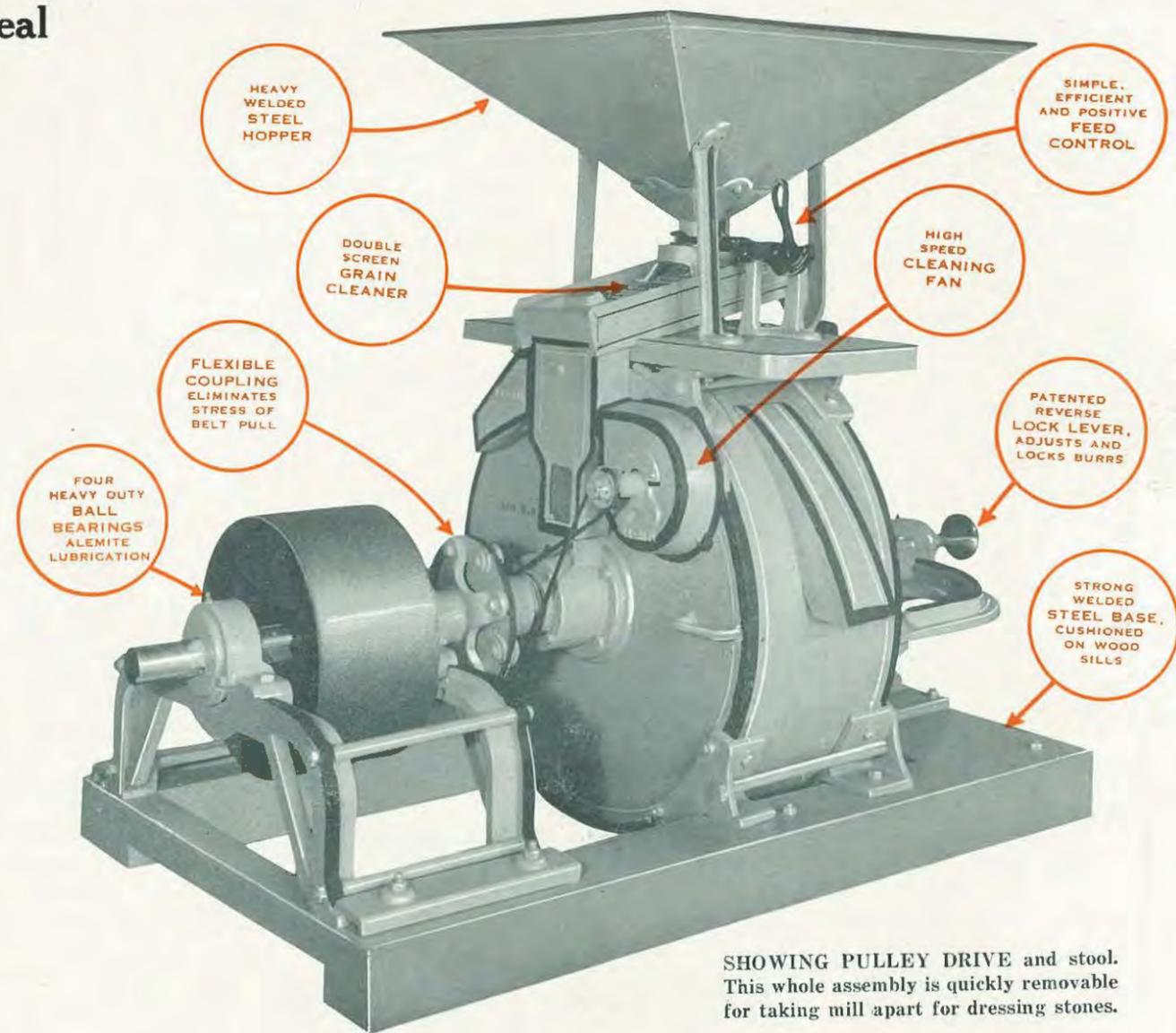
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EXTRA HEAVY CONSTRUCTION—The frames are cast iron. Stones are housed in iron shells, which fit together in an accurately machined male and female joint. Thus, perfect alignment of stones is maintained. The shaft center is much lower than in other mills of the same size. The whole mill rests on a wide, welded steel foundation, cushioned on wooden sills.

STONES OR BURRS are extra thick, domestic, genuine flint pebble stones of uniform texture and hardness. We have never been able to find superior stones. They require only a minimum of dressing for sharp, cool grinding and long wear. The body (or binder) is of medium hardness. Thus, when it wears down, it leaves the hard flint grinding points exposed like the teeth of a file. This body prevents a glaze from forming on the face of the stone, because it is porous enough to absorb the excess oil of the grain.

AIR STREAM VENTILATION—The meal stream is cooled and aerated by a stream of air coming in through the ventilating ports of the mill housing. This air stream is sucked in by the fan like action of the flow irons on the band of the runner stones. This discharges the meal more cleanly and prevents meal accumulation in the bottom. It makes meal, from corn which is not fully dry, bolt more easily.

BUILT-IN GRAIN CLEANING SYSTEM (patented) enables you to turn out whiter, cleaner and more sanitary meal, because it removes the dirt instead of grinding it into the meal. It takes out a surprising amount of dirt, dust, chaff, faulty grains and rat litter, even after the grain has been put through a separate cleaning machine. This patented cleaning system consists of a uniform and non-choking grain feed, a double screen grain cleaner or shoe and a high speed fan blower. The grain, as it comes into the mill from the heavy welded steel hopper, passes through the double screen cleaner and down the grain spout. There, the fan blows a continuous stream of cooling, cleansing air over it. All cleanings are easily piped to a convenient receptacle.



SHOWING PULLEY DRIVE and stool. This whole assembly is quickly removable for taking mill apart for dressing stones.

Less Power Per Bushel—Smooth, Vibrationless Operation

In using ball bearings on the Master Meal Mill shafts, Meadows does what was formerly thought impossible. The use of these ball bearings gives a wonderful reduction of power required for each bushel of grinding. The increase in grinding capacity and the smoothness and freedom from vibration is amazing. With less power, the Meadows 24 inch mill will grind as

much or more than other 30 inch mills, and the Meadows 30 inch mill will grind considerably more than any other same size horizontal stones. Ball bearings are used by seating them on sliding sleeves, keyed to the main shaft. There are four ball bearings on the main shaft, with one thrust ball bearing and one tension spring ball bearing.

Finest Quality Table Meal — Low Upkeep and Operating Cost!

MEADOWS SPECIAL REEL BOLTER AND ELEVATOR

(Extra Equipment)

As extra equipment, Meadows offers a cabinet type reel bolter and elevator made especially for the Meadows Master Meal Mill. The ordinary open sifter, such as are furnished with Meadows wood frame mills, will not handle the capacity of the Master Meal Mills. The special bolter and elevator are belted to a pulley provided on mill shaft. As illustrated, both size bolters have a large bin, holding several hundred pounds of meal, from which meal is scooped up for filling small bags. Or, meal may be discharged direct from reel through a spout in the end of cabinet for sacking in large bags. Unbolted meal can be taken from outside spout of elevator without going into reel.

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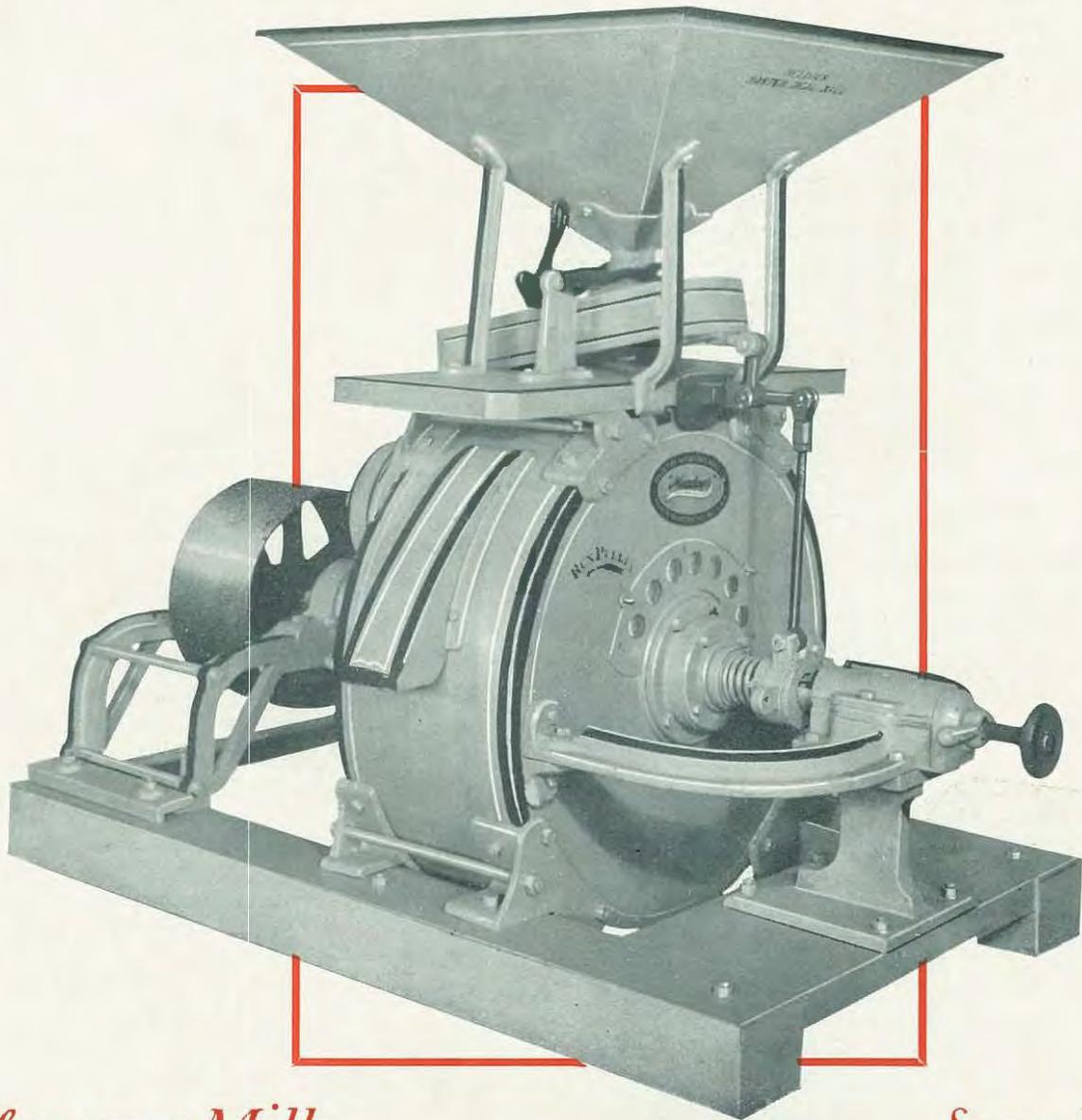
SPECIFICATIONS

Size	Speed	Pulley	Power Recommended	Capacity standard water ground meal	Capacity extra fine meal	Height	Width	Length	Approximate Domestic shipping weight	Approximate Gross weight, boxed for export	Cubic Feet
24"	700 800	14x6"	15 h.p.	15 bu.	10 bu.	51¼"	34"	68"	1500 lbs.	1750 lbs.	42
Bolter 24"				15-20 bu.	15-20 bu.	8' 8"	44"	52"	850 lbs.	1000 lbs.	83
30"	600 700	16x8"	25 h.p.	25 bu.	15 bu.	55¼"	38"	70"	2200 lbs.	2500 lbs.	60
Bolter 30"				25-30 bu.	25-30 bu.	8' 8"	54"	52"	950 lbs.	1250 lbs.	99

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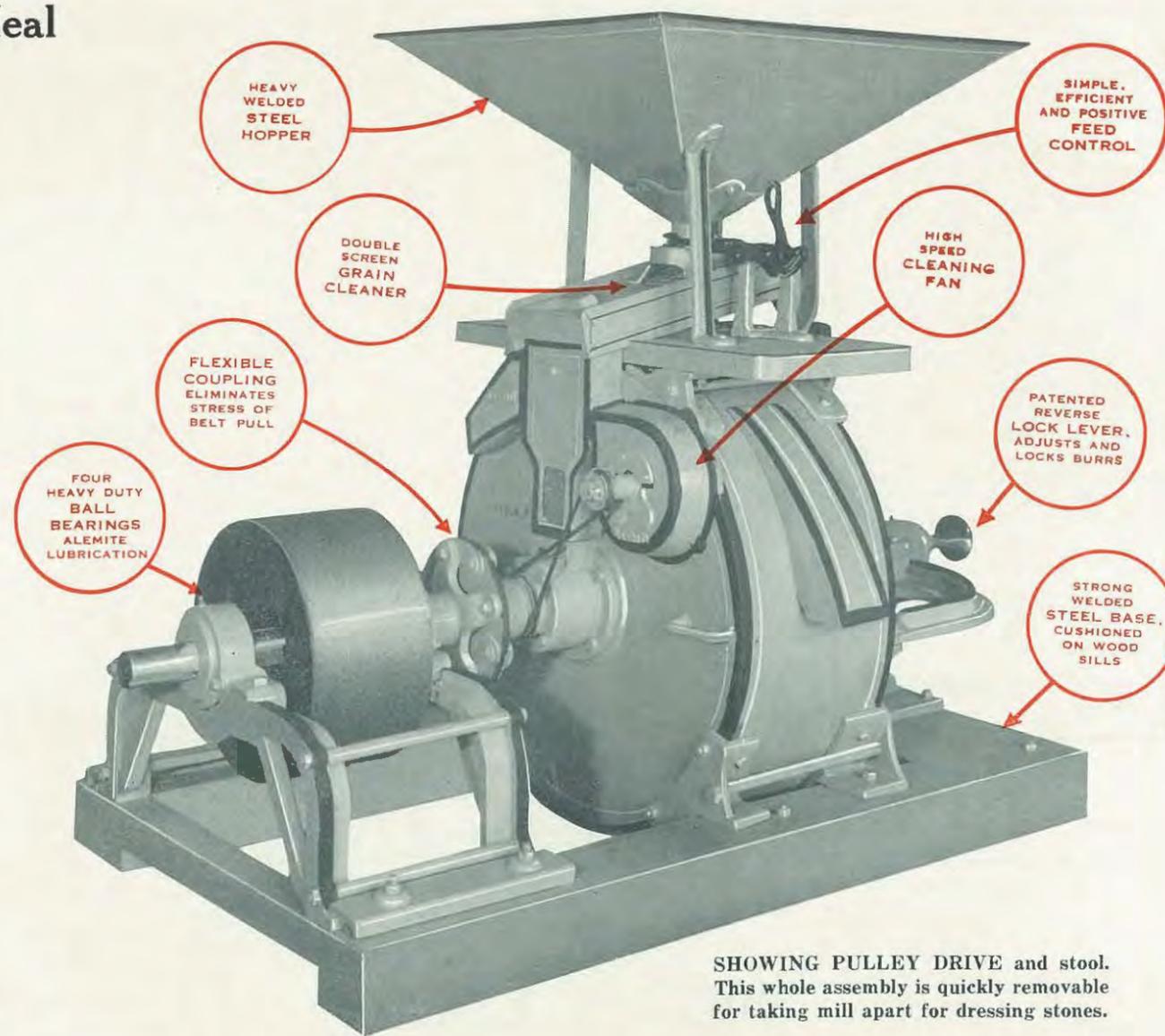
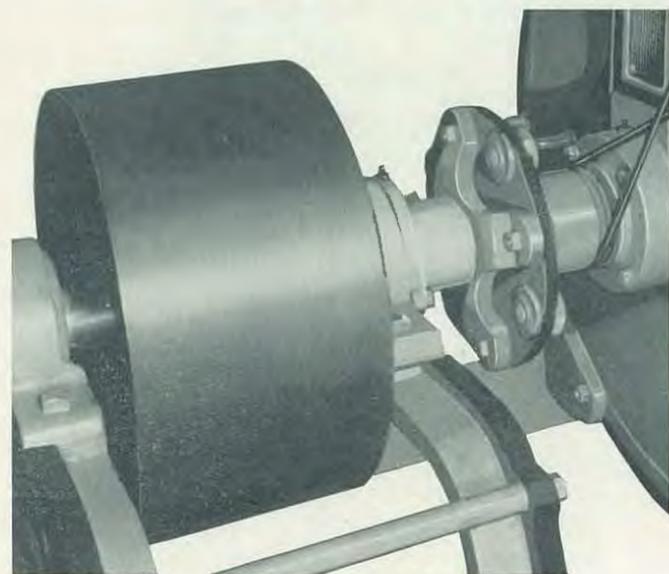
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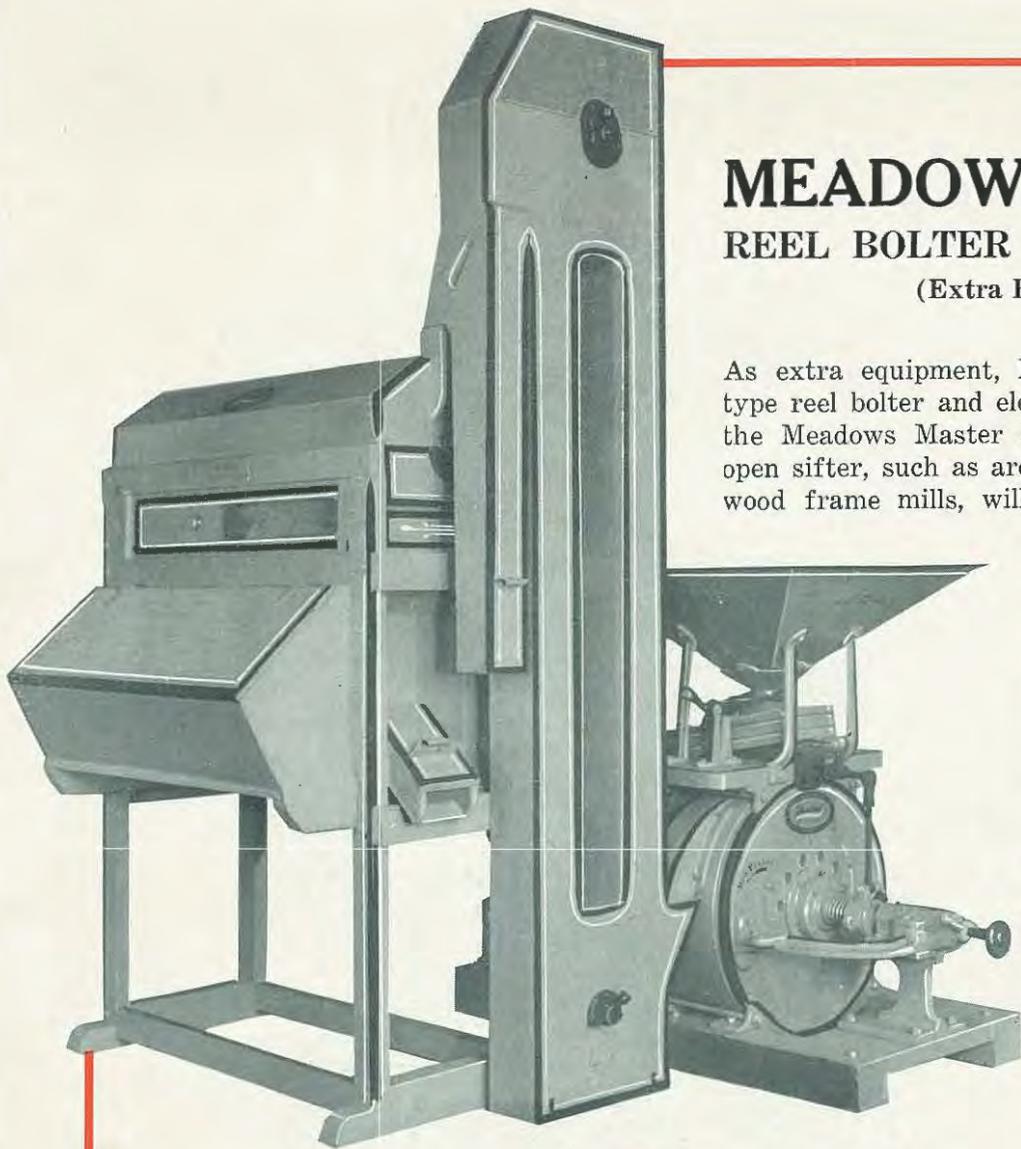
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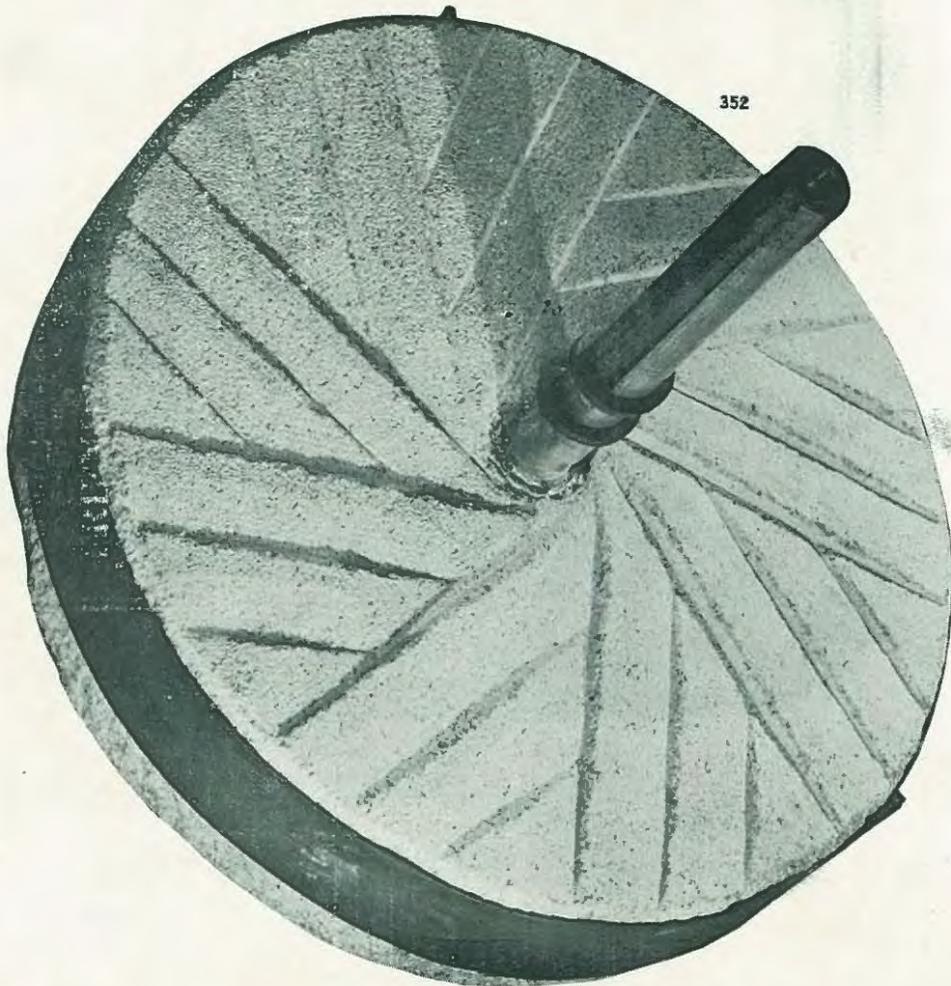
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SPECIFICATIONS

Size	Speed	Pulley	Power Recommended	Capacity standard water ground meal	Capacity extra fine meal	Height	Width	Length	Approximate Domestic shipping weight	Approximate Gross weight, boxed for export	Cubic Feet
24"	600 750	14x6"	15 h.p.	15 bu.	10 bu.	51¼"	34"	68"	1500 lbs.	1750 lbs.	42
Bolter 24"				15-20 bu.	15-20 bu.	8' 8"	44"	52"	850 lbs.	1000 lbs.	83
30"	550 650	16x8"	25 h.p.	25 bu.	15 bu.	55¼"	38"	70"	2200 lbs.	2500 lbs.	60
Bolter 30"				25-30 bu.	25-30 bu.	8' 8"	54"	52"	950 lbs.	1250 lbs.	99

Operating Instructions and Parts List For

Meadows Master Meal Mills



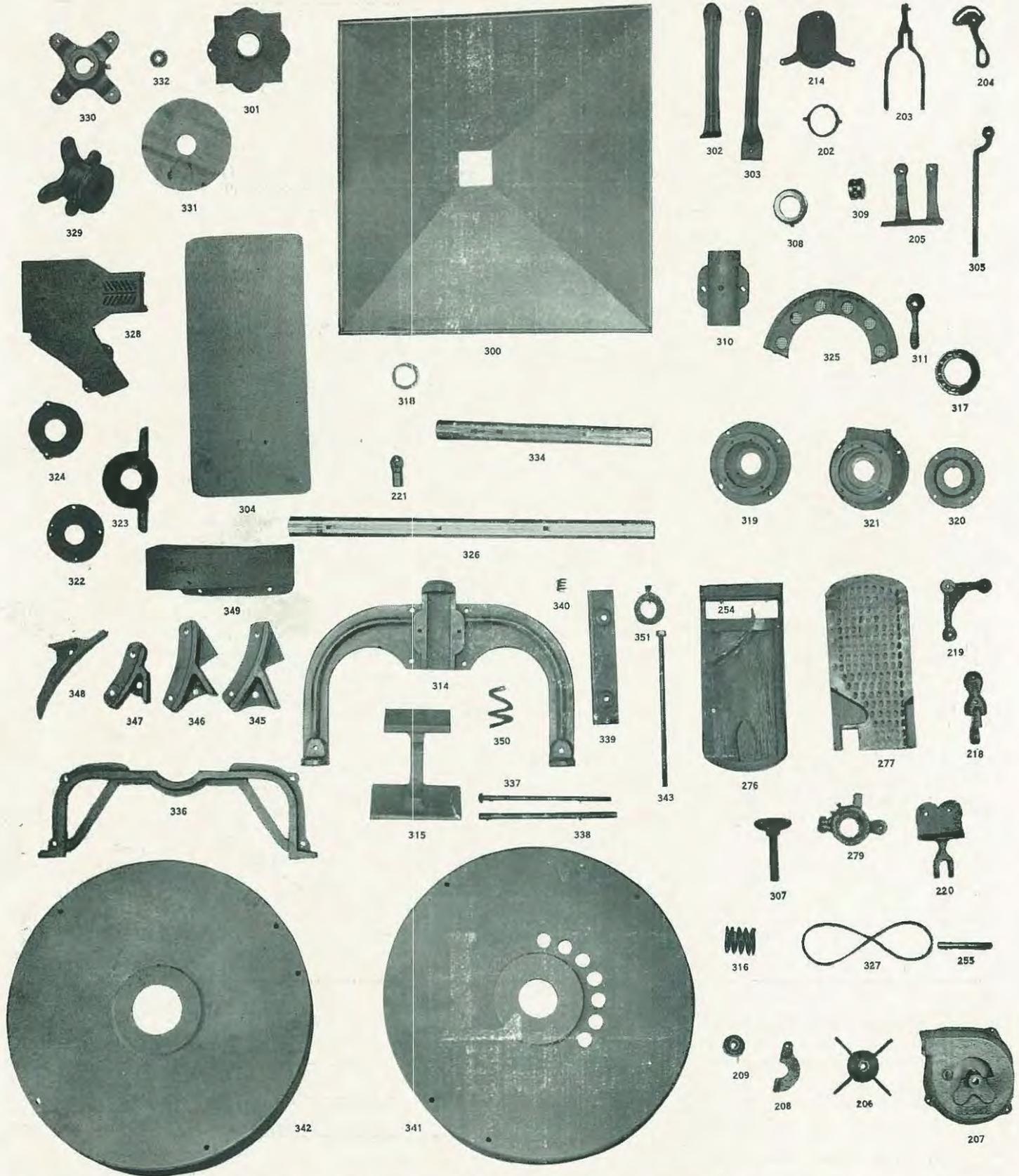
Save This Parts Folder — It Is Valuable — You Will Need It Later

IMPORTANT—The Serial Number of Your Mill Will Be Found On Metal Plate Located On End of Wooden Table, Directly Over Meal Spout. ALWAYS GIVE THIS NUMBER In Ordering Parts or Writing About Your Mill.

MEADOWS MILL CO.

NORTH WILKESBORO, N. C., U. S. A.

CUTS SHOWING PARTS AND PARTS NUMBERS



HOW TO ORDER PARTS: If you need a part or parts, order from Meadows Mill Co., North Wilkesboro, N. C., U. S. A. or your Meadows dealer. In ordering parts be sure to give the name and number of part wanted, as shown below, together with Serial Number shown on name plate of machine.

Parts No.	Name of Part	Shipping Weight	Price Each	Parts No.	Name of Part	Shipping Weight	Price Each
FOR 24" MASTER MILL				FOR 30" MASTER MILL			
202	Feed Cut-Off Band	2 Lbs.	\$.90	202	Feed Cut-Off Band	2 Lbs.	\$.90
203	Feed Control Fork	3 "	1.40	203	Feed Control Fork	3 "	1.40
204	Feed Control Lever	2 "	.60	204	Feed Control Lever	2 "	.60
205	Feed Control Stand	5 "	2.00	205	Feed Control Stand	5 "	2.00
24-206	Fan	4 "	2.80	24-206	Fan	4 "	2.80

Parts No.	Name of Part	Shipping Weight	Price Each	Parts No.	Name of Part	Shipping Weight	Price Each
FOR 24" MASTER MILL—Continued				FOR 30" MASTER MILL—Continued			
24-207	Fan Housing	12 Lbs.	\$ 4.80	24-207	Fan Housing	12 Lbs.	\$ 4.80
208	Air Control Door With Wing Bolt	1 "	.40	208	Air Control Door with Wing Bolt	1 "	.40
209	Grooved Pulley for Fan Shaft	1 "	.60	209	Grooved Pulley for Fan Shaft	1 "	.60
214	Grain Receiver	3 "	2.00	214	Grain Receiver	3 "	2.00
218	Connecting Iron for Weevil Spout	2 "	.80	218	Connecting Iron for Weevil Spout	2 "	.80
219	Weevil Spout Vibrator	4 Lbs.	\$ 1.40	219	Weevil Spout Vibrator	4 "	1.40
220	Angle Bracket Support for Vibrator	5 "	1.60	220	Angle Bracket Support for Vibrator	5 "	1.60
221	Clevis for Vibrator Connecting Rod	1 "	1.00	221	Clevis for Vibrator Connecting Rod	1 "	1.00
253	Rubber Bushing for Vibrator (Not illus.)	4 Oz.	.10	253	Rubber Bushing for Vibrator (Not illus.)	4 Oz.	.10
254	Valve Finger under screens of weev. spt.	1 Lb.	.50	254	Valve Finger under screens of weev. spt.	1 Lb.	.50
255	Fan Shaft	2 Lbs.	.75	255	Fan Shaft	2 "	.75
24-275	Weevil Spout Complete (Not illustrated, includes Nos. 214, 254, 276 and 277)....	6 "	8.00	30-275	Weevil Spout complete (Includes Nos. 214, 254, 276 and 277)	6 "	8.50
24-276	Base and Housing for Weevil Spout	4 "	4.00	30-276	Base and Housing for Weevil Spout	4 "	4.00
24-277	Set of Corn Screens for Weevil Spout	4 "	4.00	30-277	Set of Corn Screens for Weevil Spout (Not illustrated)	4 "	4.50
24-278	Set of Wheat Screens for Weevil Spout (Not illustrated)	4 "	4.50	30-278	Set of Wheat Screens for Weevil Spout (Not illustrated)	4 "	4.50
24-279	Eccentric Complete for 1 15-16" Shaft	9 "	6.00	30-279	Eccentric cpt. for 2 3-16" shaft	9 "	7.50
24-280	Eccentric Hub Only (Not illustrated)	5 "	2.50	30-280	Eccentric Hub Only (Not illustrated)	5 "	3.00
24-281	Eccentric Strap Only (Not illustrated)	4 "	3.00	30-281	Eccentric Strap Only (Not illustrated)	4 "	3.00
24-282	Eccentric Ring Only (Not illustrated)	2 "	1.60	30-282	Eccentric Ring Only (Not illustrated)	2 "	1.60
300	Square Welded Steel Hopper	65 "	10.00	300	Square Welded Steel Hopper	65 "	10.00
301	Hopper Spout	10 "	2.50	301	Hopper Spout	10 "	2.50
302	Hopper Leg for Top of Table	6 "	1.50	302	Hopper Leg for Top of Table	6 "	1.50
303	Hopper Leg for Edge of Table	7 "	1.75	303	Hopper Leg for Edge of Table	7 "	1.75
24-304	Wood Table (Not bored)	12 "	2.50	30-304	Wood Table (Not bored)	15 "	3.00
24-305	Vibrator Connecting Rod	2 "	1.50	30-305	Vibrator Connecting Rod	3 "	2.00
307	Thrust Screw and Hand Wheel	4 "	3.00	307	Thrust Screw and Hand Wheel	4 "	3.00
24-308	Self Contained Ball Bearing, against relief spring 1 15-16"	1 "	5.00	30-308	Self Contained Ball Bearing, against Relief Spring 2 3-16"	2 "	7.50
24-309	Thrust Ball Bearing 1 15-16"	2 "	3.20	30-309	Thrust Ball Bearing 2 3-16"	2 "	5.50
24-310	Yoke Frame Bearing Cap, Babbitted	6 "	3.50	30-310	Yoke Frame Bearing Cap, Babbitted	8 "	4.00
311	Lock Lever	2 "	1.50	30-311	Lock Lever	2 "	1.50
24-312	Yoke Frame and Stool, one pc. (Not ill.)	110 "	30.00	30-312	Yoke Frame & Stool, one piece (Not ill.)	150 "	37.50
24-313	Yoke Supporting Bracket (Not illust.)	3 "	1.00	30-313	Yoke Supporting Bracket (Not illus.)	3 "	1.00
24-314	Yoke Frame	60 "	22.00	30-314	Yoke Frame	85 "	28.00
24-315	Yoke Supporting Stool	40 "	8.00	30-315	Yoke Supporting Stool	50 "	8.00
No. 314 and 315 are cast as unit on mills serial No. 23820 and above. For later mills order No. 24-312.				No. 314 and 315 are cast as unit on mills serial No. 23820 and above. For later mills order No. 30-312.			
24-316	Coil Relief Spring, flat ends, 1 15-16"	1 "	1.50	30-316	Coil Relief Spring, flat ends 2 3-16"	2 "	2.50
317	Ball Bearing for Main and Pulley Shafts SKF 6214	3 "	8.75	317	Ball Bearing for Main and Pulley Shafts SKF 6214	3 "	8.75
24-318	Sleeve and Key for Main Ball Bearing	1 "	3.00	30-318	Sleeve and Key for Main Ball Bearing	1 "	3.00
24-319	Ball Bearing Housing, Runner Stone Sec.	13 "	10.00	30-319	Ball Bearing Housing, Runner Stone Sec.	13 "	10.00
24-320	Cap for Bearing Housing, Runner Stone Section	6 "	2.50	30-320	Cap for Bearing Housing, Runner St. Sec.	6 "	2.50
24-321	Ball Bearing Housing, Bed Stone Section	22 "	12.50	30-321	Ball Bearing Housing, Bed Stone Section	22 "	12.50
24-322	Cap for Bearing Housing, Bed Stone Sec.	6 "	2.50	30-322	Cap for Bearing Housing, Bed Stone Sec.	5 "	2.50
24-323	Ball Bearing Housing, for Pulley Stand	12 "	10.00	30-323	Ball Bearing Housing for Pulley Stand	12 "	10.00
24-324	Cap for Bearing Housing, for Pulley Stand	5 "	2.50	30-324	Cap for Bearing Housing for Pulley Stand	5 "	2.50
24-325	Ventilator Cover, with Screens	5 "	2.00	30-325	Ventilator Cover, with screens	5 "	3.00
24-326	Main Shaft 1 15-16"	32 "	8.00	30-326	Main Shaft 2 3-16"	45 "	10.00
24-327	Fan Belt	6 Oz.	.80	30-327	Fan Belt	8 Oz.	1.00
24-328	Combined Grain Feed and Waste Spout	12 Lbs.	7.50	30-328	Combined Grain Feed and Waste Spout	20 Lbs.	9.00
24-329	1-2 Flexible Coup. with Fan Drive Pulley	18 "	10.00	30-329	1-2 Flexible Coup., with Fan Drive Pulley	18 "	12.50
24-330	1-2 Flexible Coupling, Pulley End	11 "	7.50	30-330	1-2 Flexible Coupling, pulley end	11 "	8.00
24-331	Fabric Disc for Flexible Coupling	2 "	3.00	30-331	Fabric Disc for Flexible Coupling	2 "	4.50
332	Washers for Flexible Coupling, set of 8	2 "	1.25	332	Washers for Flexible Coupling, set of 8	2 "	1.25
24-333	Drive Pulley 14"x6"x1 15-16" (Not illus.)	40 "	6.70	30-333	Drive Pulley 16"x8"x2 3-16" (Not illus.)	75 "	9.20
24-334	Pulley Shaft 1 15-16"	20 "	4.00	30-334	Pulley Shaft 2 3-16"	25 "	5.00
24-335	Set Collar for Pulley Shaft (Not illus.)	2 "	.75	30-335	Set Collar for Pulley Shaft (Not illus.)	2 "	1.00
24-336	Pulley Stand, each section	35 "	6.00	30-336	Pulley Stand, each section	45 "	8.00
24-337	Pulley Stand Spacing Rod	1 "	.50	30-337	Pulley Stand Spacing Rod	1 "	.50
24-338	Pulley Stand Spacer	1 "	.50	30-338	Pulley Stand Spacer	1 "	.50
24-339	Pulley Stand Clamp	8 "	2.50	30-339	Pulley Stand Clamp	8 "	2.50
24-340	Clamp Spring for Pulley Stand	6 Oz.	.10	30-340	Clamp Spring for Pulley Stand	6 Oz.	.10
24-341	Mill Housing, Runner Stone Section, with Feet Attached	175 Lbs.	40.00	30-341	Mill Housing, Runner Stone Section	235 Lbs.	60.00
24-342	Mill Housing, Bed Stone Section, with Feet Attached	135 "	37.50	30-342	Mill Housing, Bed Stone Section	200 "	55.00
24-343	Mill Housing Clamp Bolt, Top	2 "	.50	30-343	Mill Housing Clamp Bolt, top	2 "	.50
24-344	Mill Housing Clamp Bolt, Bot. (Not ill.)	2 "	.50	30-344	Mill Housing Clamp Bolt, bottom (Not ill.)	2 "	.50
24-345	Meal Spout	15 "	3.50	30-345	Bottom Foot, Runner Stone side (R & L)	14 "	ea. 4.00
24-349	Meal Spout	15 "	3.50	30-346	Bottom Foot, Bed Stone side (R & L)	11 "	ea. 4.00
24-350	Spiral Feed Conveyor	1 "	1.00	30-347	Top Foot, Runner Stone side (R & L)	8 "	ea. 2.50
24-351	Drive Iron for Runner Stone	5 "	1.60	30-348	Top Foot, Bed Stone side (R & L)	6 "	ea. 2.00
24-352	Runner Stone, banded, faced, furrowed, dressed and balanced, attached to shaft with drive iron & feed conveyor	350 "	42.00	30-349	Meal Spout	15 Lbs.	4.50
24-353	Runner Stone furrowed, banded & dressed (No shaft, drive iron or feed conveyor (Not illustrated)		30.00	30-350	Spiral Feed Conveyor	1 "	1.00
24-354	Stationary or Bed Stone, faced, furrowed and dressed (Not illustrated)	200 "	24.00	30-351	Drive Iron for Runner Stone	6 "	2.00
24-355	Welded Steel Foundation (Not illustrated)	100 "	20.00	30-352	Runner Stone, banded, faced, furrowed, dressed & balanced, attached to shaft with drive iron and feed conveyor	550 "	55.00
24-356	Wood Sills under Foundation ea. (Not ill.)	30 "	2.50	30-353	Runner Stone, banded, furrowed and dressed (No shaft, drive iron or feed conveyor) (Not illustrated)	475 "	40.00
				30-354	Stationary or Bed Stone, faced, furrowed and dressed (Not illustrated)	320 "	30.00
				30-355	Welded Steel Foundation (Not illus.)	135 "	28.00
				30-356	Wood Sills under Foundation, ea (Not ill.)	35 "	3.00

OPERATING INSTRUCTIONS FOR MEADOWS MASTER MEAL MILLS

IMPORTANT. Before accepting the mill from transportation company see that no parts are broken, damaged or lost. It sometimes happens that a mill is dropped or thrown heavily on end in shipping with enough force to strain the frame, thereby throwing the stones out of alignment. Be sure to notice if the mill shows signs of rough handling, and if there is anything broken, damaged or missing. If so, have the delivering agent make proper notation on freight bill or delivery ticket. We are not responsible for loss or damage in transit.

PLACING THE MILL. The floor of mill house should be sufficiently strong to carry the weight of the mill without vibration. No special foundation is necessary when this is so. Instead of bolting the mill to the floor, it is better to nail a cleat to the floor on the power side of the mill, with a wedge partly inserted between the mill sill and cleat at each end. The belt can be tightened when necessary by driving in the wedges. When possible, place the mill at least fifteen feet from power, so the belt will not have to be run too tight.

TO START THE MILL. Mills are shipped with the stones turned close together to avoid damage in transit. Before starting the mill lift the lock lever and turn the thrust wheel back counter clockwise about one round to let the runner stone turn freely without touching the bed or stationary stone. Also see that the mill is properly lubricated. An Alemite grease gun should be used on the Alemite fittings on the mill to insure proper lubrication. Supply yourself with one of these "guns" if you do not have one. After the mill is thoroughly lubricated start the mill and turn thrust wheel until stones rub together; then back off slightly so the stones run as close together as possible without actually touching. Do not operate the mill for any considerable length of time with stones actually rubbing together. Besides destroying their sharpness, this will soon generate enough heat to crack one or both stones. In a wood frame mill the thrust of stones turned up to actual contact is relieved by the clamp bolts sinking into the wood. The iron construction of this mill permits no relief of the pressure. So more care should be used to avoid this possible damage. Never run the mill at a speed faster than stenciled on mill. **CAUTION:** Under no circumstances use an ungoverned power, such as an automobile engine, the speed of which is subject to wide variations. If you use an automobile engine be sure to install a governor on it before belting up to mill and test with speed indicator to ascertain that mill is running at correct speed. Not to do so is dangerous. An arrow on the mill shows the direction that mill and pulley should run.

THE FEED CONTROL. The flow of grain from hopper to mill is controlled by simply raising or lowering the hand lever of feed control. This lever should stay in any position where placed; but if it should become loose it is only necessary to loosen lock nut on pivot bolt and turn bolt enough to tighten.

WEEVIL SPOUT. All screened out waste goes out with the dust from the cleaning fan. If it is desired to grind wheat or other small grain with regular corn screens in weevil spout it is only necessary to lift top screen of weevil spout and reverse the valve finger under the screen. This turns the small grain which goes through the bottom screen into the mill instead of the dust spout.

CARE OF BURRS. On account of the fact that the stones used in these mills need so little sharpening many operators make the mistake of giving them no attention at all. It is much easier to give the stones a light dressing before they need it badly than to wait until the furrows are nearly worn out and have to be recut entirely. If you find that the capacity of the mill is less than formerly or that the meal or flour is heating, examine the burrs.

TO OPEN THE MILL. Remove the four bolts which fasten hopper table to the mill housing. Disconnect vibrator rod from eccentric to weevil spout at the top of this rod. (Note the cap screw through the joint of this rod is threaded into the joint and must be backed out after the lock nut is removed). After this has been done the body of the mill is unobstructed for opening. Take off the fan belt. Loosen the two nuts which hold down the clamps on feet of pulley stool on each side. The whole pulley stool assembly as a unit, including flexible coupling, can then be slipped entirely off the sills of the mill and set aside out of the way. Now take out the two clamp bolts on each side which hold the two halves of mill shell together. By pulling back on the handles of back half of casing the section of housing which holds the bed stone can be drawn back until the shaft clears the bearing. The male and female joint between the two halves of housing fit rather closely, but it will easily come apart by pulling the shell a little first on one side and then on the other. Before dressing the stones a piece of cloth or clean waste should be packed into the eye of the bed stone so that no dust or grit from the dressing will get into the ball bearing at this point. Follow carefully our instructions for dressing and aligning the stones. On account of the hardness of the stones in this mill few

picks will cut them and it is well for every mill owner to provide himself with one or more of the hand tempered mill picks we make especially for this purpose.

REMOVING RUNNER STONE FROM MILL. First, loosen set screw through hub of eccentric and slip eccentric away from mill as far as possible. Then work stone and shaft out of housing far enough to free end of shaft from rabbitted yoke frame bearing. In order to remove key from sleeve inside of main ball bearing, proceed as follows. Remove four cap screws from bearing housing cap on shell of mill. After this cap is removed a small screw will be found screwed into the key, which is held in place by a cotter pin. After removing this screw, slip the key out of the sleeve and then the shaft can be removed. When reassembling the mill be sure to replace the small screw in the key as this screw is to keep the key from creeping and wearing through the main bearing housing.

TESTING STONES FOR ALIGNMENT AND GUIDE FOR DRESSING. It is very important that the stones be dressed evenly on all sections to maintain the very accurate alignment necessary for grinding cool, even meal. When the mill is adjusted for fine grinding, the stones are only the thickness of a thin sheet of paper apart, and if the faces are not kept perfectly parallel it is evident that this condition will have a serious effect on proper grinding. The following is a sure method of testing the stones for alignment, and also a guide for even dressing, and we advise that it be used before each dressing of the stones.

When the back half of mill casing is being removed, and before it is moved back entirely from the sills of mill, reach into the open space between the stones and paint the flat grinding surfaces of each stone with the most convenient kind of cold water paint (Powdered Venetian Red, or brick dust mixed with water will do). Then put the two halves of mill together and run the mill for a few minutes with the stones turned up so they rub together. When the mill is again opened as above, the paint should be rubbed evenly all over if the stones are perfectly parallel. In this case dressing the stones as described below will involve only cutting through the remaining paint which will act as a guide for uniform dressing all around the stones. If the above painting test shows the paint rubbed off on one side and not touched on the other, it proves that the section where the paint is rubbed is too high. This part only should be picked off and the test repeated until the stones rub evenly on all flat sections. Since any factor which is likely to disturb the alignment of the stones will affect the position of the bed stone practically all of the dressing to correct the alignment will be required on this stone.

DRESSING. The illustration of Part No. 352 will give you an idea of the slope and pattern of the furrows and how a 30" stone should look after being properly dressed. Go over the entire surface of both stones with short, even tapping strokes of the pick, with the cut of each stroke pointing toward the center of the stone. The closer the cuts are together, the finer the dress. A fine dress is better for fine grinding and a coarse dress for fast and coarse grinding. Remember that no part of the surface of the stone should be rounded. This refers both to lands or level grinding surfaces and furrows. Each flat land or grinding surface drops square off to the bottom of the next furrow. The furrow slopes up in a straight line to a feather edge to the next land. The bottom of each furrow should be about 5-16" deep at the eye of the stone and slope out to about 1-16" at the edge of the stone. This refers to lengthwise slope of furrow from inside source to outside edge of stone. Deepening the furrow at the edge of stone will cause coarse meal to come from mill, and if it is too deep occasionally whole grains will pass through the mill. The furrows should be wider at point of origin than where they end at rim of stone. The lands or grinding surfaces should be just the reverse—narrower at origin and wider at outer edge of stone. Always dress furrows, as well as lands, being careful to keep the same draft and shape of both as originally laid off at the factory. We cannot be responsible for the satisfactory service of mill when the draft or dressing of burrs is changed, or when improperly dressed. Neither stone should be dressed concave or hollow in the middle, but each land or finishing surface should be kept level through its whole length. The grain is broken up in the furrow and the fine grinding is finished on the land. We have found by long experience that the maximum capacity with the least power is to be had with the arrangement and proportion of furrows and lands as originally laid out. In putting mill back together be sure that no meal or trash is lodged in joint of housing to keep the halves from fitting closely together. Also see that the bolts holding halves together are tightened evenly all around. The secret of successfully operating your mill is in keeping the stones in proper alignment, properly dressed and sharpened. If you do this correctly your mill will give you long and satisfactory service which is built into it.

For Further Information Write MEADOWS MILL CO., North Wilkesboro, N. C., U. S. A.

◆ MEADOWS ◆

MEALMASTER

STONE BURR MILLS



The improved MEALMASTER comes in four sizes. Look inside for complete specifications, also information about our new Meal Bolter, Grits Separator, Elevating Fans, Corn Cleaner, etc.

Grist Mills
Hammer Mills

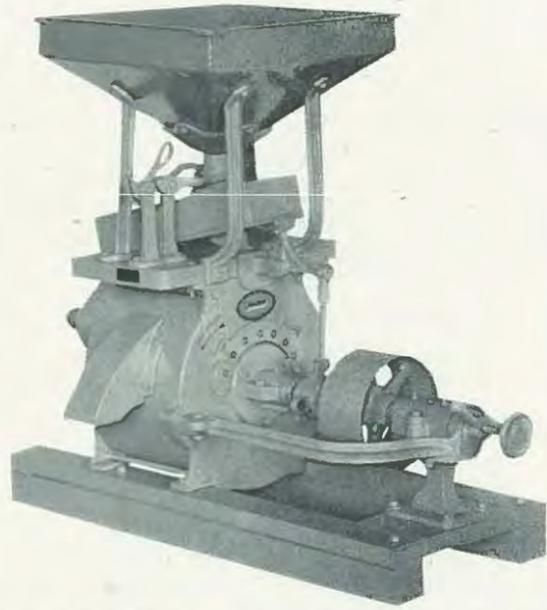
"Meadows"
TRADE MARK REGISTERED
THE MARK OF QUALITY

Bolters
Saw Mills

MEADOWS MILL COMPANY

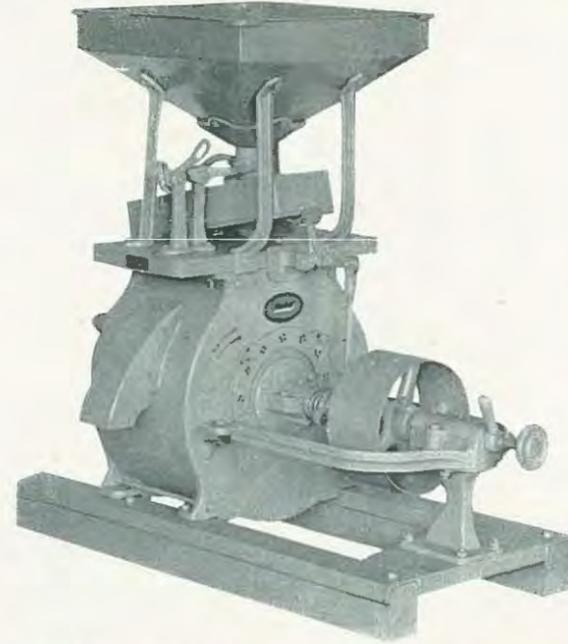
NORTH WILKESBORO, N. C., U. S. A.

THE RESULTS OF 50 YEARS EXPERIENCE

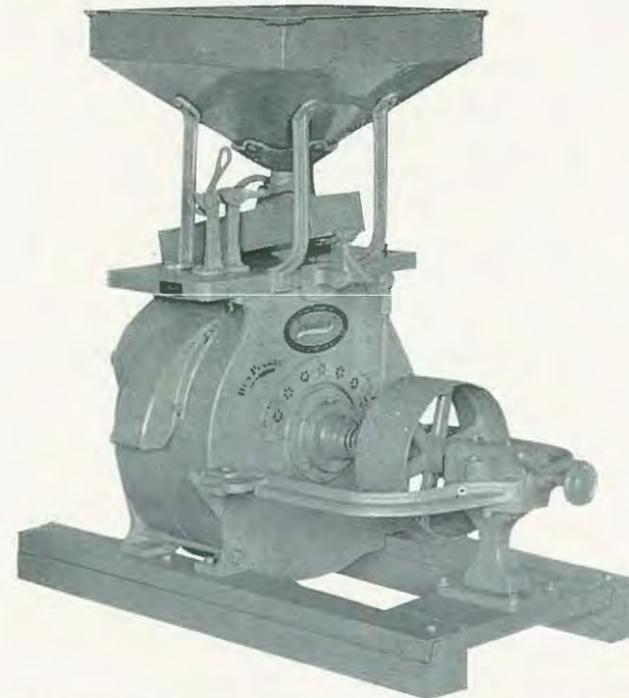


16" Mealmaster

Standard with three plain babbit and two ball thrust bearings.



20" Mealmaster



24" Mealmaster

Standard with two ball, one plain babbit, and two ball thrust bearings.



30" Mealmaster

The Meadows Mill Company has been building Stone Burr Mills for more than fifty years. Thousands of these mills are still doing good work, all over the world. Our improved "MEALMASTER" is the result of our long experience in building Grist Mills. We have spared neither time nor money in designing this mill. We confidently believe that our "MEALMASTER" is the greatest and best Stone Burr Grinder ever built. Our widely known Gold Medal (Wood Frame, five sizes) and Master (Iron Frame, two sizes) Mills are being discontinued and replaced by our "MEALMASTER" in four sizes. We have incorporated into its design every new and improved feature known to the industry, the results of long experience, many tests and experi-

ments. We know that our "MEALMASTER" will enhance the good name of Meadows which stands for quality products, reasonable prices and honest business dealings. State and Federal Laws require that all foods and food products be clean and sanitary. With this in mind, we present with pride our "MEALMASTER" which has improved Cleaning Devices, our efficient Corn Cleaner, Sanitary Elevating Fans, Meal Bolter, Grits Separator and Accessories.

New and improved features that every miller will welcome and appreciate:

- Permanent Magnet in grain receiver, standard equipment, protects stones and grinding.
- Open end yoke frame designed for easy installation of V-Belt drive.
- Heavier construction of all steel and iron. Longer life.
- Cast iron sections machined male and female. Stones are held in alignment.
- Runner stone keyed to shaft. Stronger construction allowing for adjustment and replacement.
- Heavier, larger, stronger, welded steel hopper.
- Larger shaft and bearings causing mill to run steadier.
- More efficient cleaning devices—larger grain shoe, and high speed fan with bronze bearings.
- Built-in bib for attaching Enrichment Feeders.
- Air stream ventilation cools grinding, prevents caking and souring.
- Heavier white pebble native N. C. stone burrs, properly furrowed, dressed and balanced.
- Larger capacity, less power, long life, better meal.

SPECIFICATIONS

Size (Diam. of Burrs)	Approx. Weight in Lbs.			Approx. cu. ft. Boxed for Export	Correct Speed RPM	Capacities in Lbs. per hr.		Required Horse Power	Standard Size Drive Pulley	Maximum Diam. Drive Pulley	Bore and Keyway of Drive Pulleys	Diameter Main Shaft	Hopper Capacity in Pounds	Overall Dimensions		
	Net	Crated Domestic Shipment	Boxed for Export			Fine Grinding	Medium Grinding							Width	Length	Height
16"	815	910	1055	28	700-750	150	250	4 to 6	10 x 5"	16"	1-11/16 x 3/8 x 3/16"	1-11/16"	100	26"	55"	46"
20"	1029	1130	1275	31	650-700	300	400	7 to 10	12 x 6"	18"	1-11/16 x 3/8 x 3/16"	1-11/16"	100	29-1/8"	55"	50"
24"	1421	1540	1875	53	600-650	500	750	12 to 15	14 x 6"	22"	2- 3/16 x 1/2 x 1/4"	2- 3/16"	140	35"	61-1/2"	54"
30"	1896	2090	2450	61	550-600	700	1250	20 to 25	16 x 8"	22"	2- 3/16 x 1/2 x 1/4"	2- 3/16"	140	39"	61-1/2"	59-5/8"

Finest Quality Table Meal

Healthful Whole Grain Flour

Meadows Grist Mill Extras

Open Type Sifter

All four sizes of our MEALMASTER can be equipped with a flat bottom type sifter as illustrated, driven from eccentric on shaft which also operates grain cleaning shoe. This sifter oscillates endwise and has a collecting bottom which mixes the grinding. 16 mesh galvanized wire cloth is standard for meal, although this sifter can be covered with other sizes of wire cloth, on special order. This open type sifter is an extra and is not included in the price of the mill (See price list).

Sifter Specifications (Including Attaching Parts)

Size Mill	Net Wt. Lbs.	Length	Width	Depth	Wire Cloth Dimensions
16 & 20"	17	43½"	11"	5"	10 x 32=2¼ sq. ft.
24 & 30"	20	53½"	11"	5½"	10 x 42=3 sq. ft.

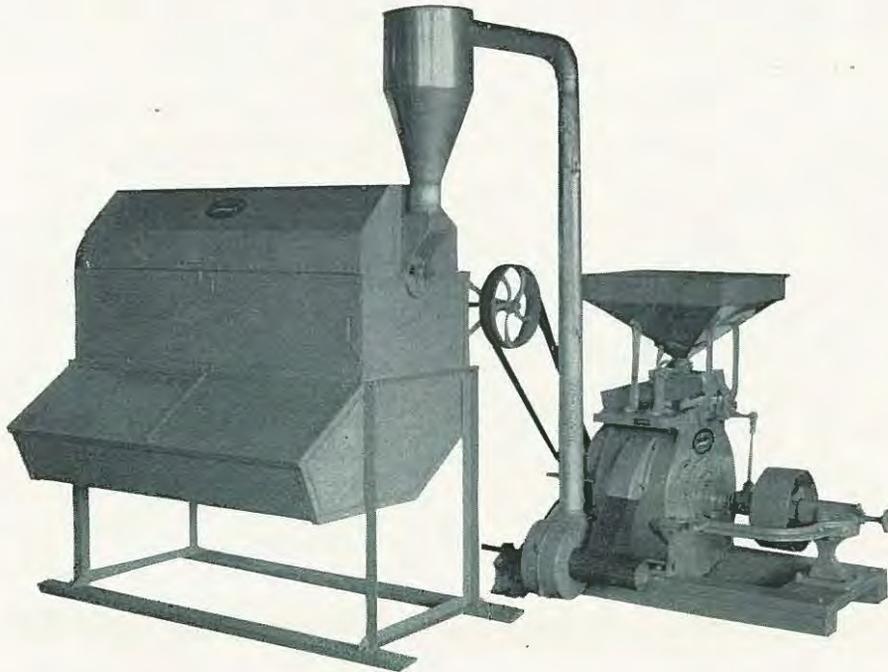
Enrichment Feeder

Some state laws require that the grinding be enriched with vitamins and minerals, and in these states the Enrichment Feeder is a "must" extra. The grain spouts on all MEALMASTERS are built with Bib for Feeder intake. Shipping weight of Feeder 25 Lbs.



Showing 24" MEALMASTER equipped with open Sifter and Enrichment Feeder.

Meadows All Steel
Reel Type Meal
Bolter



With 24" MEALMASTER
No. 1 Elevating Fan
and Collector

This all steel cabinet type reel bolter will be appreciated by the commercial miller for the large volume of fan cooled meal delivered to the enclosed bin without exposure to dust and germs of outside air. This bolter is built in one size only, to handle 20 to 30 bushels per hour and can be used with any size or model of Meadows grist mill, or any other make of stone burr mill. The meal end of the reel is covered with either 16, 18 or 20 mesh wire cloth. 18 mesh is standard and will be furnished unless otherwise ordered. The lower end of the reel is covered with 26 mesh cloth to eliminate excessive bran dust. The grinding is blown from mill to bolter. Meal is sifted through wire cloth covering reel and passes to large bin in bottom of bolter, from where it can be scooped and sacked at miller's convenience.

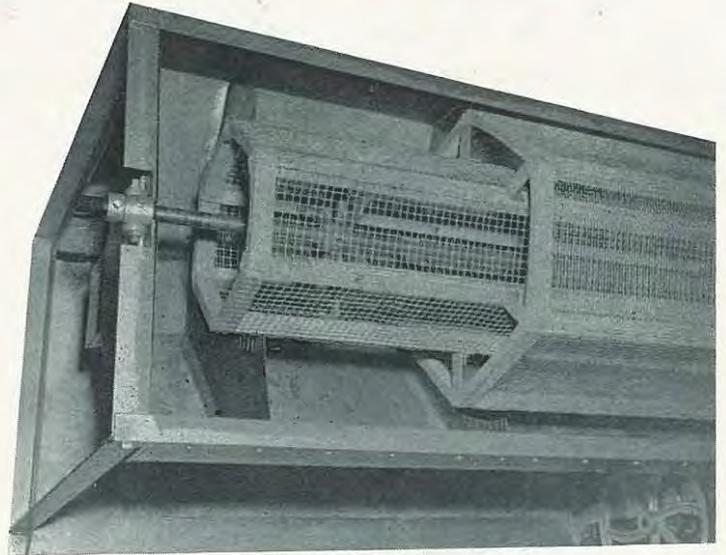
Specifications of Bolter Only (Fan and Collector—Next Page)

Approx. Weight in Pounds			Approx. cu. ft. Boxed for Ex ort. Legs Detached	Re-quired H. P.	Correct S eed of Counter-shaft	Reel Dimensions		Wire Cloth on Reel		Drive Pulley	Overall Dimensions, with Fan and Collector		
Net	Crated	Boxed				Lgth.	Circum-ference	18 mesh	26 mesh		Width	Length	Height
384	640	1200	131	1	300 RPM	56"	63"	39 x 63"= 17½ sq. ft.	18 x 63"= 8 sq. ft.	14x3"	56"	75"	94"

Meadows Corn Cleaner



Showing Cleaner with motor drive.



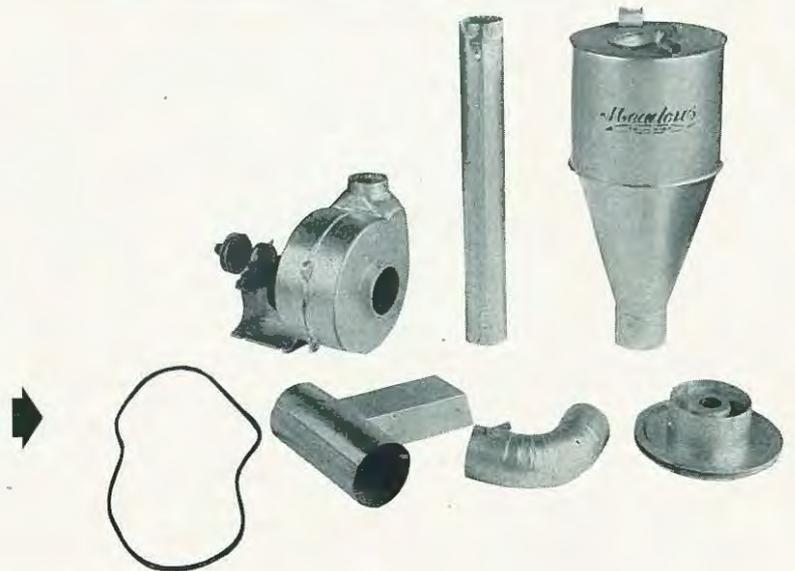
Showing Hexagonal Reel with double screens.

The modern miller wants to offer his trade the cleanest and best product he can possibly produce. The laws governing food products are getting stricter every year. A good Corn Cleaner is necessary for clean meal and grits. We have tried very hard to design a Cleaner that will be both efficient and reasonable in price. This Cleaner will remove dirt, husk, chaff, broken cobs, pieces of shuck, etc. The large capacity of this Cleaner is obtained by the use of a double cleaning, hexagonal cylinder, the inner screen taking out the material coarser than corn, and the outer one the finer waste. It is amazing how much dirt this Cleaner will remove from clean looking corn. Made in one size only, specifications given below.

Corn Cleaner Specifications

Approximate Weight in Lbs.			Approx. cu. ft. Boxed	Correct Speed	Capacity bu. per hr.	Horse Power Required	Wire Cloth Dimensions Covering Reel	
Net	Crated	Boxed					$\frac{1}{4} \times \frac{1}{4}$	$36 \times 63=16$ sq. ft.
300	395	1125	90	40 RPM	50-60	$\frac{1}{3}$	$\frac{3}{8} \times \frac{3}{4}$	$42 \times 54=16$ sq. ft.

Meadows Elevating Fans



Showing parts making up No. 1 size Fan Assembly
(See cut of Grits Separator for Fan set up)

The following items are included in price of Fan Assembly: 1. Base, ball bearing shaft, groove pulley, fan and housing. 2. Pipe, $6\frac{1}{2}$ lineal ft. 3. Collector. 4. Drive Belt, size B 64" or B 76". 5. Intake Spout. 6. Elbow. 7. Combination pulley which drives fan and bolter from mill shaft.

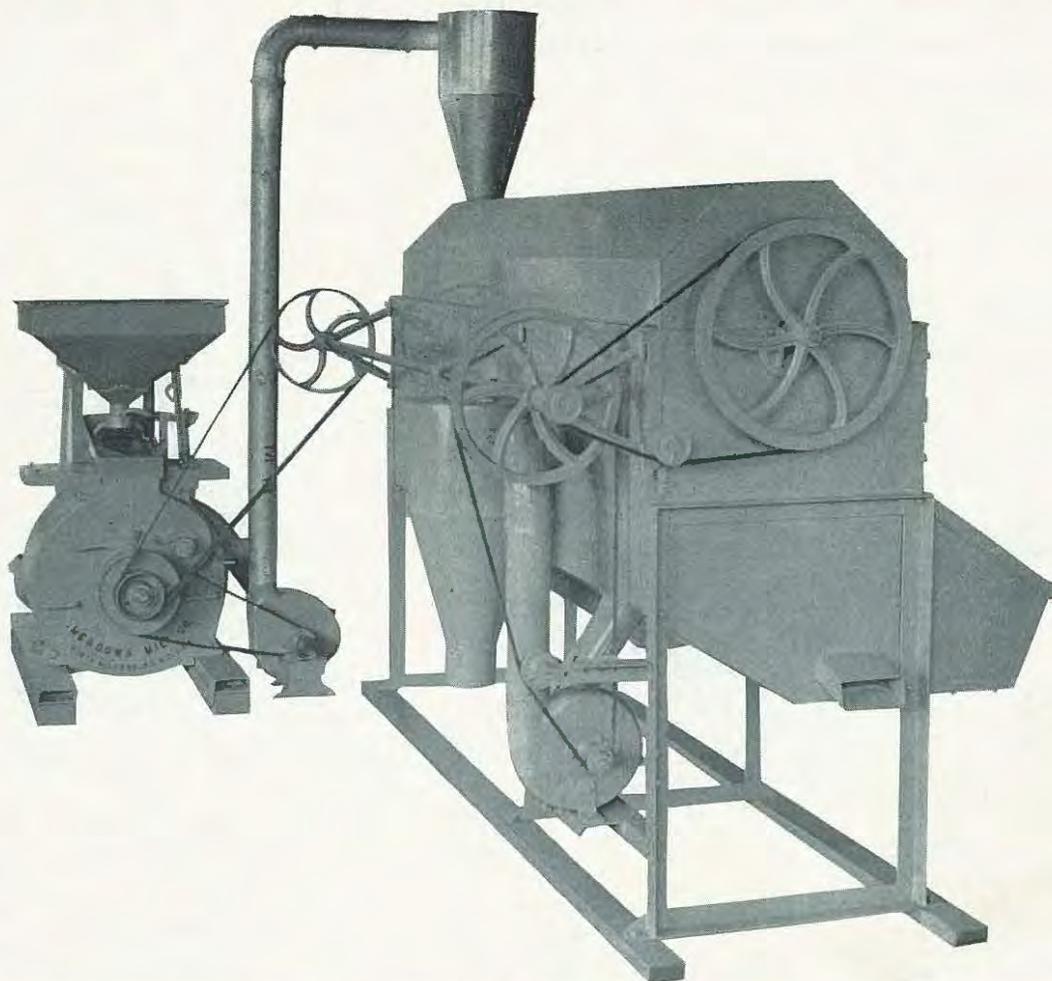
Meadows sturdy ball bearing Elevating Fans are built in two sizes. No. 2 size not illustrated.

The modern, efficient sanitary way of lifting Grist.

Specifications

No.	Fan Size	Approx. weight in Lbs.			Cu. ft. Boxed	Diam. of Shaft and Fan Bore	Correct Speed	Intake Opening	Discharge Opening	Required H. P.
		Net	Crated	Boxed						
1	$11\frac{1}{4}$ " diam. x 5" wide	118	175	250	10	1-1/8"	2000 RPM	5"	4"	2 to 3
2	16" diam. x 5" wide	250	350	650	46	1-11/16"	2000 RPM	6"	6"	3 to 5

MEADOWS GRITS SEPARATOR



Showing Meadows Grits Separator connected to 24" MEALMASTER with No. 1 fan, pipe and collector.

This popular machine is now built in one size only, large enough to handle the capacity of a 30" mill, yet satisfactory for use with all smaller sizes. This improved Separator is housed in an all steel cabinet and has a round intake to receive the grist from the collector of our new elevating fan. The air suction cleaning system has been increased in size to handle the greater capacity of the Separator. The suction pipe is fitted with a slide covered opening for adjusting the amount of air for different speeds and volume.

To make good burr ground grits, it is necessary to grind only a first grade of corn, preferably a hard, flinty variety. The corn is coarsely ground on a stone burr mill (We recommend a MEADOWS). The ground product is taken to the Separator by means of the fan, where the fine meal passes through the 26 mesh wire cloth, and the two sizes of grits pass through the 14 and 12 mesh wire. The suction of the fan takes out the fine bran and husks. The Home Ground Grits made on this separator contains the germ with the full flavor of the corn. This product is neither bleached nor polished, but its superior flavor often commands a premium price over degerminated grits.

Specifications (Separator only)

Approximate Weight in Lbs.			Approx. cu. ft. Boxed for Export Legs Detached	Correct Speed		Re- quired H. P.	Capacity Per Hour Meal & Grits	Dimensions of Reel		Reel Covering	
Net	Crated	Boxed for Export		Shaft	Reel			Lgth.	Circum- ference	Meal End	Grits End
687	1000	1800	134	300 RPM	50 RPM	2	600-700 lbs.	90"	63"	26 Mesh 60 x 63"=26 sq. ft.	12 Mesh 15 x 63"=6½ sq. ft. 14 Mesh 15 x 63"=6½ sq. ft.

Meadows Mill Company, Inc.

North Wilkesboro, N. C., U. S. A.

MEADOWS MEALMASTER

STONE BURR MILLS



Built in four sizes. Look inside for complete specifications and information on Milling Equipment, Meal Bolter, Grits Separator, Elevating Fans, Corn Cleaner, etc.

Built and Guaranteed by **MEADOWS MILL CO.**
North Wilkesboro, N. C., U. S. A. Mill Manufacturers Since 1900

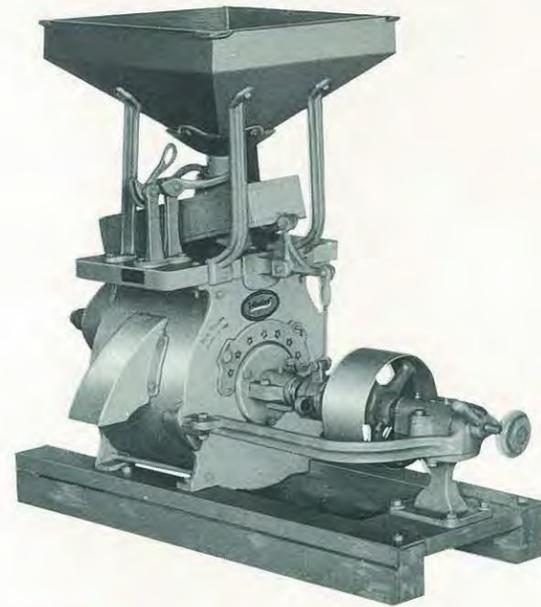
HAMMER MILLS • STONE BURR MILLS • SAW MILLS

For Grinding Finest Quality Healthful Table Meal and Whole Grain Flour

The Meadows Mill Company has been building Stone Burr Mills for more than sixty years. Thousands of these mills are doing good work all over the world. Our improved "MEALMASTER" is the result of our long experience in building Grist Mills. We have spared neither time nor money in designing this mill. We confidently believe that our "MEALMASTER" is the greatest and best Stone Burr Grinder ever built. We have incorporated into its design every new and improved feature known to the industry, the results of long experience, many tests and experiments. We know that our "MEALMASTER" will enhance the good name of MEADOWS which stands for quality products, reasonable prices and honest dealings. State and Federal laws require that all foods and food products be clean and sanitary. With this in mind we present with pride our "MEALMASTER" in four sizes with improved Cleaning Devices—our efficient Corn Cleaner, Sanitary Elevating Fans, Meal Bolter, Grits Separator and Accessories.

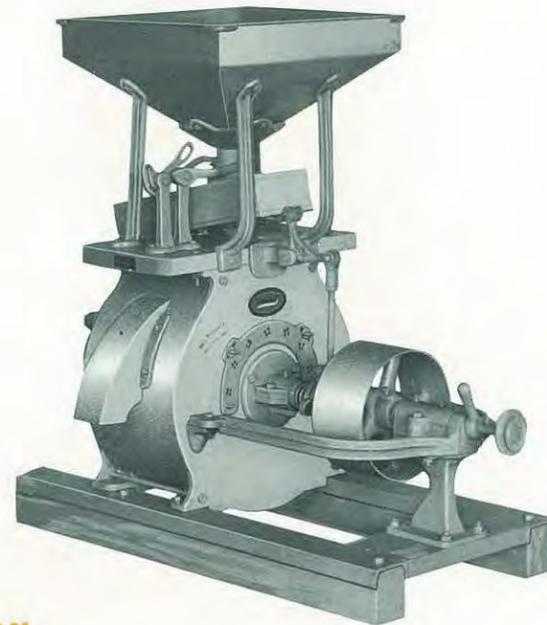
BETTERMENTS EVERY MILLER WILL WELCOME AND APPRECIATE

Permanent Magnet in grain receiver, standard equipment, protects stones and grinding.
 Open end yoke frame designed for easy installation of V-Belt Drive. ● Heavier construction of all steel and iron. Longer life. ● Cast iron sections machined male and female. Stones are held in alignment. ● Runner Stone keyed to shaft. Stronger construction allowing for adjustment and replacement. ● Heavier, larger, stronger, welded steel hopper. ● Larger shaft and bearings causing mill to run steadier. More efficient cleaning devices—larger grain shoe, and high speed fan with bronze bearings. ● Built-in bib for attaching Enrichment Feeders. ● Air stream ventilation cools grinding, prevents caking and souring. ● Heavier white pebble N. C. Stone burrs, properly furrowed, dressed and balanced. ● Larger capacity, less power, longer life, better meal.



16" Mealmaster

16" and 20" Mealmasters are standard with three babbitted and one thrust ball bearing.



20" Mealmaster



24" Mealmaster



30" Mealmaster

24" and 30" Mealmasters are standard with two ball, one babbitted and one ball thrust bearing.

SPECIFICATIONS

Size (Diam. of Burrs)	Approx. Weight in Lbs.			Approx. cu. ft. Boxed for Export	Correct Speed RPM	Capacities in Lbs. per hr.		Required Horse Power	Standard Size Drive Pulley	Maximum Diam. Drive Pulley	Bore and Keyway of Drive Pulleys	Diameter Main Shaft	Hopper Capacity in Pounds	Overall Dimensions		
	Net	Crated Domestic Shipment	Boxed for Export			Fine Grinding	Medium Grinding							Width	Length	Height
16"	815	910	1055	28	700-750	150	250	4 to 6	10 x 5"	16"	1 1/16" x 3/8" x 3/16"	1 1/16"	100	26"	55"	46"
20"	1029	1130	1275	31	650-700	300	400	7 to 10	12 x 6"	16"	1 1/16" x 3/8" x 3/16"	1 1/16"	100	29 1/8"	55"	50"
24"	1421	1540	1875	53	600-650	500	750	12 to 15	14 x 6"	22"	2 3/16" x 1/2" x 1/4"	2 3/16"	140	35"	61 1/2"	54"
30"	1896	2090	2450	61	550-600	700	1250	20 to 25	16 x 8"	22"	2 3/16" x 1/2" x 1/4"	2 3/16"	140	39"	61 1/2"	59 5/8"

Open Type Sifter

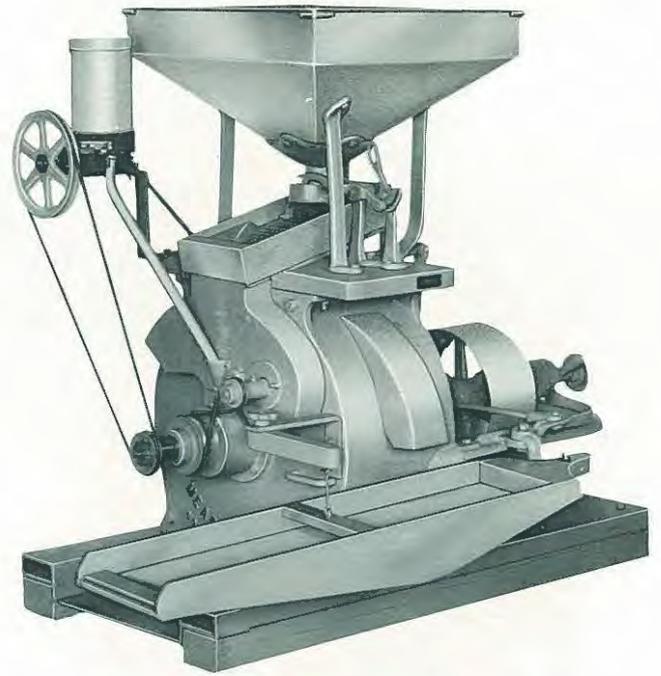
All four sizes of MEALMASTERS can be equipped with a flat bottom type sifter as illustrated, driven from eccentric on shaft which also operates grain cleaning shoe. This sifter oscillates endwise and has a collecting bottom which mixes the grinding. 16 mesh galvanized wire cloth is standard for meal, although this sifter can be covered with other sizes of wire cloth, on special order. This open type sifter is an extra and is not included in the price of the mill (See price list).

Sifter Specifications (Including Attaching Parts)

Size Mill	Net Wt. Lbs.	Length	Width	Depth	Wire Cloth Dimensions
16 & 20"	17	43½"	11"	5"	10 x 32 = 2¼ sq. ft.
24 & 30"	20	53½"	11"	5½"	10 x 42 = 3 sq. ft.

Enrichment Feeder

Some state laws require that the grinding be enriched with vitamins and minerals, and in these states the Enrichment Feeder is a "must" extra. The grain spouts on all MEALMASTERS are built with Bib for Feeder intake. Shipping weight of Feeder 25 Lbs.



MEALMASTER Mill with two extras:
Open Type Sifter and Enrichment Feeder.

Grist Mill Extras

MEADOWS



All Steel Reel type Meal Bolter with Cyclone Collector, No. 1 Elevating Fan, and all connections between mill and bolter.

This all steel cabinet type reel bolter will be appreciated by the commercial miller for the large volume of fan cooled meal delivered to the enclosed bin without exposure to dust and germs of outside air. This bolter is built in one size only, to handle 20 to 30 bushels per hour and can be used with any size or model of Meadows Grist Mill, or any other make of stone burr mill. The meal end of reel is covered with either 16, 18, or 20 mesh wire cloth. 18 mesh is standard and will be furnished unless otherwise ordered. The lower end of the reel is covered with 26 mesh cloth to eliminate excessive bran dust. The grinding is blown from mill to bolter. Meal is sifted through wire cloth covering reel and passes to large bin in bottom of bolter, from where it can be scooped and sacked at miller's convenience. Put on special order and at no extra cost this bolter can be furnished with bottom hopper for gravity discharge in lieu of bottom bin as illustrated.

Specifications of Bolter Only (Fan and Collector - - - Next Page)

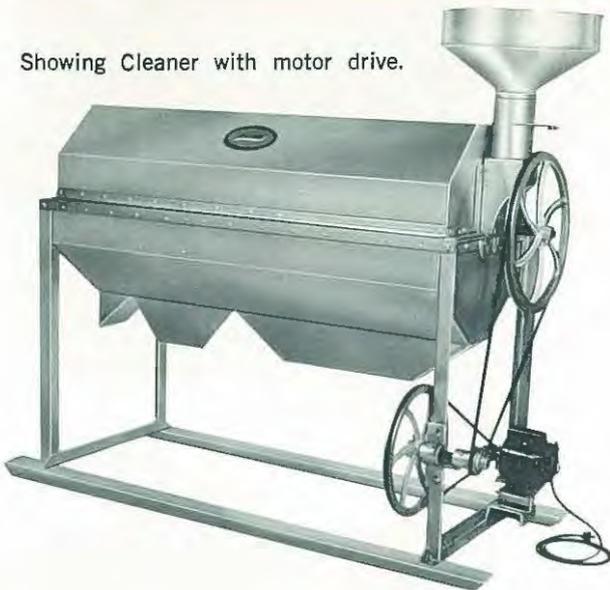
Approx. Weight in Lbs.		Approx. cu. ft. Boxed for Export, Legs Detached	Required H. P.	Correct Speed of Counter-Shaft	Reel Dimensions		Wire Cloth on Reel	Drive Pulley	Overall Dimensions with Fan and Collector			
Net	Crated Boxed				Length	Circumference			Width	Length	Height	
384	640 1200	131	1	300 RPM	56"	63"	18 mesh 30 x 63" = 13 sq. ft.	26 mesh 30 x 63" = 13 sq. ft.	14 x 3"	56"	75"	94"

MEADOWS

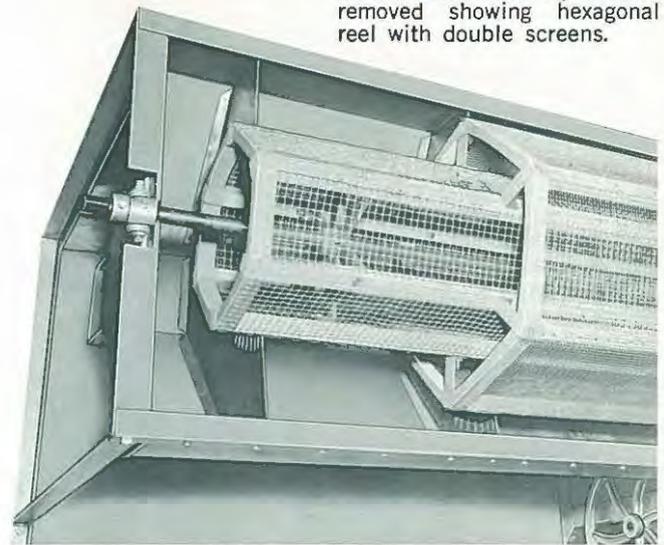
MEADOWS CORN CLEANER

The modern miller must offer his trade clean and sanitary products. The laws governing food items are getting stricter every year. A good Corn Cleaner is necessary for clean meal and grits. We have tried very hard to design a Cleaner that will be both efficient and reasonable in price. This Cleaner will remove dirt, husk, chaff, broken cobs, pieces of shuck, etc. The large capacity of this Cleaner is obtained by the use of a double cleaning, hexagonal cylinder, the inner screen taking out the material coarser than corn, and the outer one the finer waste. It is amazing how much dirt this Cleaner will remove from clean looking corn. Made in one size only, specifications given below.

Showing Cleaner with motor drive.



Corn Cleaner with top section removed showing hexagonal reel with double screens.



Corn Cleaner Specifications

Approximate Weight in Lbs.			Approx. cu. ft. Boxed	Correct Speed	Capacity bu. per hr.	Horse Power Required	Wire Cloth Dimensions Covering Reel	
Net	Crated	Boxed					$\frac{1}{4} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{3}{4}$
300	395	1125	90	40 RPM	50-60	$\frac{1}{3}$	36 x 63 = 16 sq. ft.	42 x 54 = 16 sq. ft.

MEADOWS Elevating Fans

For improved sanitation and greater efficiency MEADOWS ELEVATING FANS have about replaced the bucket type elevator. Built in several types and sizes on order. Two sizes are standard. No. 1 illustrated at right by parts. (See cut of Grits Separator for Fan set up for operation.) No. 2 not illustrated. Specifications given below.

The following items are included in price of Fan Assembly: 1. Base, ball bearing shaft, groove pulley, fan and housing. 2. Pipe, 6½ lineal ft. 3. Collector. 4. Drive. V Belt B size 76 to 85" length. 5. Intake Spout. 6. Elbow. 7. Combination pulley which drives fan and bolter from mill shaft.

Meadows sturdy ball bearing Elevating Fans are built in two sizes. No. 2 size not illustrated. The modern, efficient sanitary way of lifting Grist.



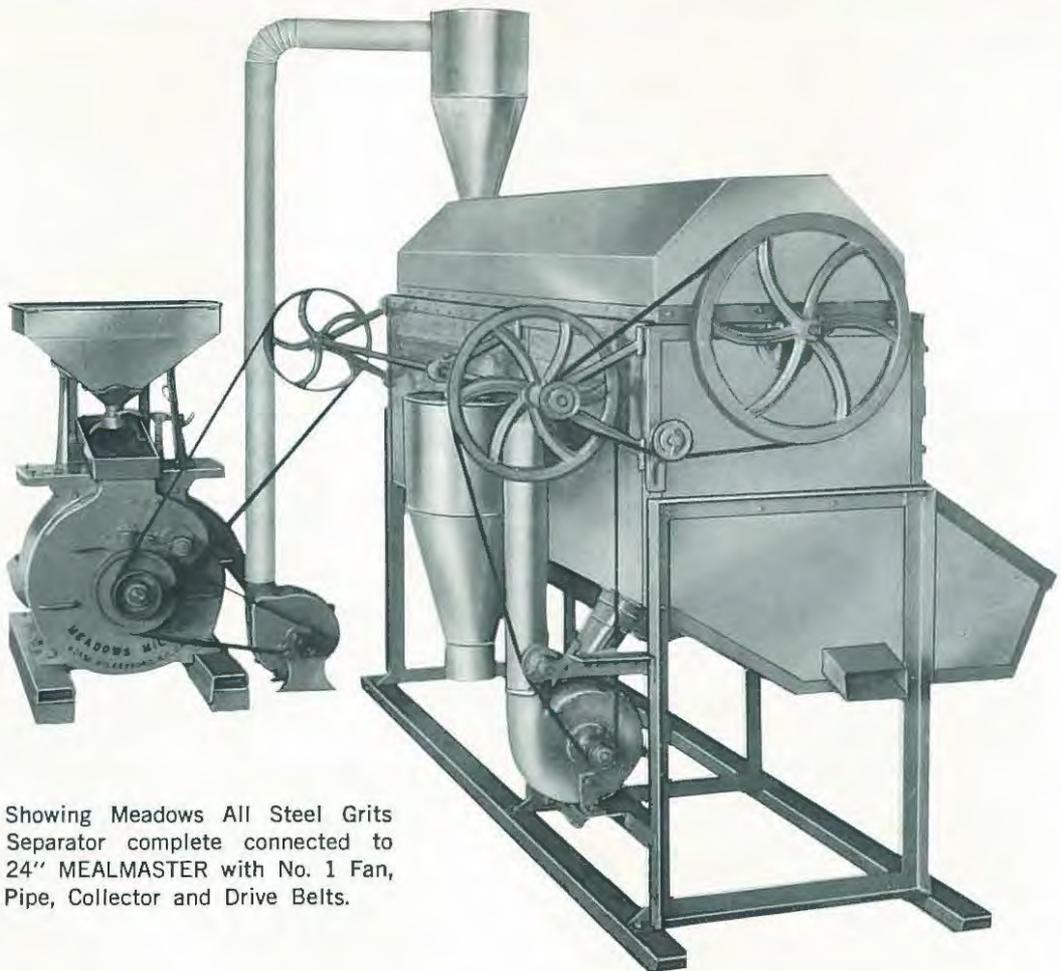
Specifications

No.	Fan Size	Approx. Weight in Lbs.			Cu. ft. Boxed	Diam. of Shaft and Fan Bore	Correct Speed	Intake Opening	Discharge Opening	Required H. P.
		Net	Crated	Boxed						
1	11¼" diam. x 5" wide	118	175	250	10	1⅞"	2000 RPM	5"	4"	2 to 3
2	16" diam. x 5" wide	250	350	650	46	1⅞"	2000 RPM	6"	6"	3 to 5

MEADOWS GRITS SEPARATOR

This popular machine is now built in one size only, large enough to handle the capacity of a 30" mill, yet satisfactory for use with all smaller sizes. This improved Separator is housed in an all steel cabinet and has a round intake to receive the grist from the collector of our new elevating fan. The air suction cleaning system has been increased in size to handle the greater capacity of the Separator. The suction pipe is fitted with a slide covered opening for adjusting the amount of air for different speeds and volume.

To make good burr ground grits, it is necessary to grind only a first grade of corn, preferably a hard, flinty variety. The corn is coarsely ground on a stone burr mill (we recommend a MEADOWS). The ground product is taken to the Separator by means of the fan, where the fine meal passes through the 26 mesh wire cloth, and the two sizes of grits pass through the 14 and 12 mesh wire. The suction of the fan takes out the fine bran and husks. The Home Ground Grits made on this separator contains the germ with the full flavor of the corn. This product is neither bleached nor polished, but its superior flavor often commands a premium price over de-germinated grits.



Showing Meadows All Steel Grits Separator complete connected to 24" MEALMASTER with No. 1 Fan, Pipe, Collector and Drive Belts.

Specifications (Separator only)

Approximate Weight in Lbs.			Approx. cu. ft. Boxed for Export Legs Detached	Correct Speed		Required H. P.	Capacity Per Hour Meal & Grits	Dimensions of Reel		Reel Covering	
Net	Crated	Boxed for Export		Shaft	Reel			Length	Circum- ference	Meal End	Grits End
687	1000	1800	134	300 RPM	50 RPM	2	600-700 lbs.	90"	63"	26 Mesh 60 x 63" = 26 sq. ft.	12 Mesh 15 x 63" = 6½ sq. ft. 14 Mesh 15 x 63" = 6½ sq. ft.

MEADOWS MILL COMPANY, INC.

North Wilkesboro, N. C., U. S. A.

OPERATING INSTRUCTIONS AND PARTS LIST APPLYING TO MEADOWS MEALMASTER

STONE BURR GRIST MILLS SERIAL NO. 30,000 AND UP

IMPORTANT

1. The first thing to do when mill is received is to check carefully for any shortage or damage and see that transportation company delivers shipment to you in good shape. If there is any shortage, breakage, or evidence of damage, have delivering agent make notation of same on freight bill so claim can be filed. When shipment is delivered by us to carrier in good condition our responsibility for loss and damage ceases.
2. The next important step for you to take is, before you set up your mill, to read carefully and familiarize yourself with these instructions, especially pertaining to starting and operating.
3. Next in importance is to keep these instructions and repair parts list for future reference.

ASSEMBLY INSTRUCTIONS

IF CRATED FOR DOMESTIC SHIPMENT:

Mills crated for domestic shipment are shipped completely assembled and ready for operation with the exception of the meal spout (No. 1073) and the extension waste spout (No. 1151). These two parts are wired to hopper legs. Bolt meal spout over meal outlet with cap screws provided. Fit sheet metal waste extension to the end of dust spout with stove bolt provided.

If sifter is ordered with mill it is wired inside the crate and is attached as follows:

1. Turn down sifter vibrator which is wired to cleaning shoe vibrator and fasten to yoke frame, making sure to put lock nut on bottom.
2. Turn out adjustable sifter hanger.
3. Attach sifter to vibrator and hanger.

IF BOXED FOR EXPORT:

1. Attach cleaning shoe vibrator (No. 1106) assembly to vibrator rod (No. 1109) by screwing into clevis (No. 1108).

2. Fasten base for cleaning shoe vibrator (No. 1107) to wood table (No. 1144).
3. Place cleaning shoe in position and fasten to vibrator.
4. Fasten feed stand assembly to wood table.
5. Attach hopper legs to hopper.
6. Place hopper in position over cleaning shoe (No. 1105) and fasten legs to table.
7. Install thrust screw. Remove threaded stud from head of yoke frame or thrust end bearing. (This stud is for holding stones together in shipping and has no further use.) Replace with thrust screw (No. 1015) and lock lever (No. 1017). Turn hand wheel counterclockwise until inside of lock lever is clear. Place lock lever with handle pointing to eleven o'clock against head of bearing with offset on lever against offset on head. Hold lever flush against head of bearing and turn hand wheel clockwise until screw engages follow block. If properly placed the thrust screw can be locked in any desired position by pushing lever counterclockwise.
8. Attach meal spout (No. 1073).
9. Attach waste extension spout (No. 1150).

LUBRICATING INSTRUCTIONS

Proper lubrication is one of the most important factors in the successful operation of any machine. All bearings on your mill are fitted for Alemite grease lubrication. Grease will last longer than oil and one lubrication daily is ample. Use a soft ball bearing grease (No. 1 cup grease). Fittings are located as follows: (1) Yoke frame or end thrust bearing, (2) Eccentric, (3) Runner stone section or middle bearing, (4) Bed section or tail bearing, (5) Fan bearing. In addition to these Alemite fittings, the weevil spout vibrator should be oiled with a few drops of machine oil at daily intervals. If these points are checked regularly your mill should give long and satisfactory service free from trouble which might be caused by improper lubrication. DO NOT OIL clevis (No. 1108). The rubber bushing in this part will be damaged by oil.

STARTING AND OPERATING INSTRUCTIONS

PLACING THE MILL:

1. First check the floor of mill house. It should be strong enough to sufficiently carry the weight of the mill without vibration. If this is so, no special foundation is necessary.
2. Securely nail to floor on power side of mill a 2x4 the length of mill sill. Make two wedges approximately 8"x2" x1½". Insert wedges one at each end between mill base and 2x4. By driving these wedges, tightness and alignment of belt can be adjusted.
3. When possible, place the mill at least fifteen feet from power so belt will not have to run too tight, if flat belt drive is used. (If V-Belt drive is used see paragraph on V-Belt installation.)

STARTING THE MILL:

1. First lift lock lever and turn thrust wheel back counterclockwise about one round to let runner stone turn freely without touching bed stone. (Mills are shipped with stones turned close together to avoid damage in transit.)
2. See that mill is properly lubricated. (See LUBRICATING INSTRUCTIONS ABOVE.)
3. Move feed control lever up to shut off grain from mill.
4. Start Mill.
5. Turn thrust wheel until stones rub together; then back off slightly so the stones run as close together as possible without actually touching. (Do NOT operate mill for any considerable length of time with stones actually touching or rubbing together. Besides destroying their sharpness, this will soon generate enough heat to crack one or both stones.)
6. Check speed of mill shaft. NEVER RUN MILL AT A SPEED FASTER THAN STENCILLED ON MILL.

7. Make sure mill is running in right direction. (Arrow on the mill indicates direction which mill and pulley should turn and safe revolutions per minute.)
8. Begin feeding the mill. Pull down gradually on feed control lever until proper capacity is reached.
9. Regulate cleaning fan vent to proper opening so that waste is blown out, but no full grains of corn. A sheet metal extension waste spout is furnished as standard equipment. The purpose of this extension is to enable miller to catch the separated dust and trash in a bag, box, or receptacle that he may provide, thus making his housekeeping easier. A bag can be hung to this extension or a cloth or metal pipe joined to it.
10. Test meal for fineness at meal spout.
11. Adjust sifter. The sifter should hang as nearly level as possible. If bran tends to work up to head of sifter, tap the wooden hanger slightly to either side until bran passes over tail of sifter. When properly adjusted tighten hand wheel of sifter arm to hold this adjustment.

CAUTION: Under no circumstances use an ungoverned power, such as an automobile engine, the speed of which is subject to variations. If such an engine is used be sure to install a governor on it before belting up to mill and test with speed indicator to ascertain correct speed. It is dangerous to operate mill with ungoverned power and we are not responsible for any damage occurring therefrom or from greater speed than we recommend and as stencilled on mill.

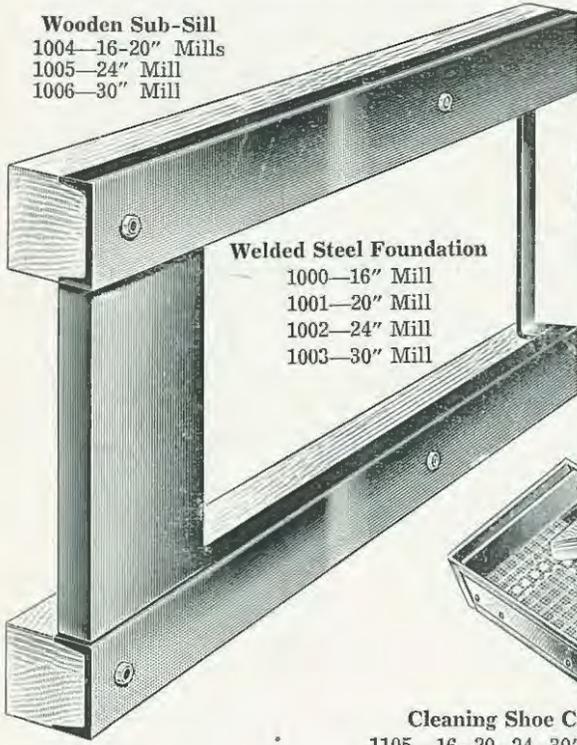
12. Operating adjustment. The natural warmth of running mill will slightly expand the length of shaft. Since the stones when adjusted for fine grinding are barely running clear, to offset this expansion after mill has been operated 20 to 30 minutes it is necessary to back off the hand wheel of the thrust screw to compensate for this expansion. The stones should never rub in grinding.

HOW TO ORDER PARTS: We have tried very hard to make this list plain and complete, and it will save time, (1). See that your name, correct mail address, and order are written legibly. (2). Be sure to give the size (diam desired). (4). Give specific instructions as to where and how to ship. (5). Promptly inspect all shipments when

SHOWING PARTS AND PARTS NUMBERS

If part has only one number it is interchangeable on all four sizes. If two numbers, the smaller is for 16" and the larger number is for 16" mill, the largest for 30" mill. In ordering parts be sure to check numbers in price list under

Wooden Sub-Sill
 1004—16-20" Mills
 1005—24" Mill
 1006—30" Mill



Welded Steel Foundation
 1000—16" Mill
 1001—20" Mill
 1002—24" Mill
 1003—30" Mill

Welded Steel Hopper
 1121—16-20" Mills
 1122—24-30" Mills



Runner Stone
 1051—16" Mill 1052—20" Mill
 1053—24" Mill 1054—30" Mill

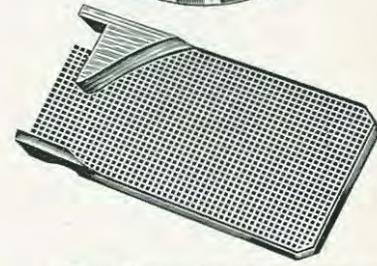


Hopper Spout
 1123



Cleaning Shoe Cpt.
 1105—16-20-24-30" Mills

Permanent Magnet
 1102—16-20-24-30" Mills



Wheat Screen for Cleaning Shoe
 1099—16-20-24-30" Mills

1021—16" Mill
 1022—20" Mill
 1023—24" Mill
 1024—30" Mill

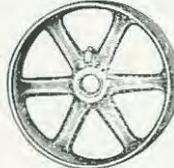
1081—16" Mill
 1081-A—20" Mill
 1082—24" Mill
 1082-A—30" Mill

1046—16" Mill 1048—24" Mill
 1047—20" Mill 1048—30" Mill

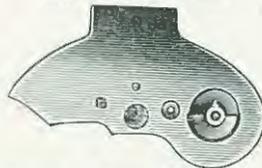
1144—16" Mill 1146—24" Mill
 1145—20" Mill 1147—30" Mill

Yoke Frame Bearing Cap

1013—16-20" Mills
 1014—24-30" Mills



Cast Iron Drive Pulley

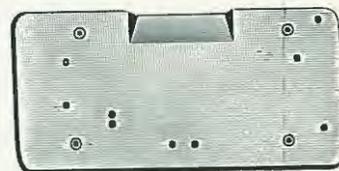


Combination Fan Housing and Grain Spout



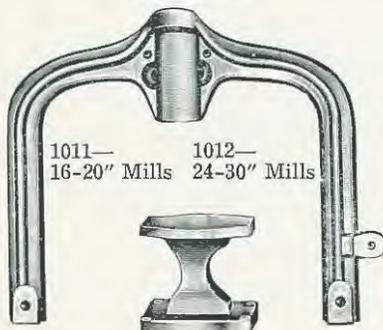
Meal Spout
 1073—16" Mill
 1074—20" Mill
 1075—24" Mill
 1076—30" Mill

Hub for Runner Stone
 1055—16-20" Mills
 1056—24-30" Mills



Wooden Feed Table

Yoke Frame



1011—16-20" Mills 1012—24-30" Mills

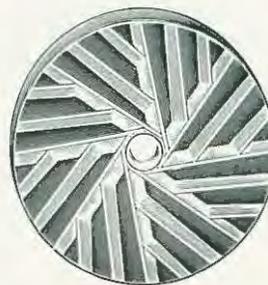
Stool

1007—16" Mill
 1008—20" Mill
 1009—24" Mill
 1010—30" Mill



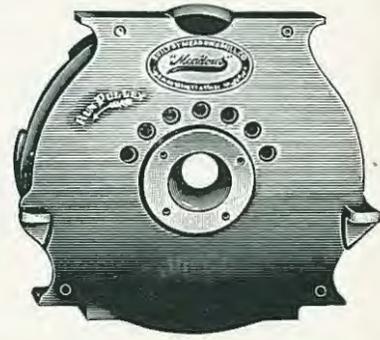
Mill Housing, Bed Stone Section

1064—16" Mill
 1065—20" Mill
 1066—24" Mill
 1067—30" Mill



Bed Stone

1060—16" Mill
 1061—20" Mill
 1062—24" Mill
 1063—30" Mill



Mill Housing, Runner Stone Section

1042—16" Mill
 1043—20" Mill
 1044—24" Mill
 1045—30" Mill

GENERAL INSTRUCTIONS

CLEANING SHOE:

Your mill comes complete with corn cleaning screens in the cleaning shoe for use in grinding corn. These screens separate the corn grains from dirt and other foreign matter, allowing the corn to enter the grain spout and waste to pass out the fan spout.

When grinding wheat a set of special wheat cleaning screens should be used. To install, first remove the regular corn screens by opening the feed control as wide as possible, then lift out by inserting fingers under screen at cob outlet. Then slip in the wheat screens and lower feed control.

It is possible to grind wheat using regular corn screens. When this is done the valve finger in bottom of shoe should be turned over to the left so as to prevent the wheat from passing out through the waste spout.

Check screens at regular intervals to see that they are kept open for best cleaning. Also check magnet in grain shoe to remove any metal which might possibly impede flow of grain.

TO INSTALL V-BELT DRIVE:

1. Loosen set screws in pulley and turn it until loose on shaft.
2. Remove two bolts in yoke frame next to mill housing.
3. Remove four bolts in base of stool.
4. Pull yoke and stool forward until the stool slides off mill base making sure not to strain or bind main shaft in doing so.
5. Remove pulley carefully.
6. Install V-Sheaves on shaft, but do not tighten set screws.
7. Put on V-Belts.
8. Slip yoke frame and stool back into position, making sure to have belts over and under frame.
9. Replace bolts in stool and yoke frame.
10. Tighten set screws in sheave.

TAKING DOWN MILL FOR DRESSING:

1. Remove the four bolts which fasten the hopper table to mill housing.
2. Disconnect vibrator rod from eccentric to cleaning shoe.
3. Lift off entire hopper, cleaning shoe, and wooden table assembly.
4. Remove fan belt and fan drive pulley from main shaft.
5. Take out the four clamp bolts which hold the two halves of mill housing together.
6. Slide bed section of mill housing back by pulling on handles located on mill casing. (Do not remove completely off of foundation sills.)
7. Using cold water paint (powdered Venetian Red, or brick dust mixed with water will do), reach into the open space between the bed section and runner section of mill housing and paint the lands (flat grinding surfaces) of each stone.
8. Replace bed section and fasten with the four clamp bolts. (It is not necessary at this phase of the operation to replace fan pulley or table assembly.)
9. Start mill, and run for approximately two minutes with stones turned up so that they rub together.
10. Stop mill, remove clamp bolts, slide back bed section and note condition of painted lands:

(1) If stones are in proper alignment the paint should be rubbed off evenly all over on all surfaces. In this case dressing stones as described below will involve only cutting through the remaining paint which will act as a guide for uniform dressing all around the stone.

(2) If paint is rubbed off on one side only and not touched on the other it proves that the section where the paint is rubbed off is too high. This part should be picked off and the test repeated until the stones rub evenly on all flat sections.

DRESSING STONES:

1. After making test for alignment slide and lift bed section completely off foundation and place with face of stone up.
2. Turn runner section of mill, including foundation sills, up on end, face of stone up.
3. Stones can be dressed either by hand, using the old reliable double-blade mill pick (like our No. 27 Guaranteed Pick), or with pneumatic or electric power tools. For power tools a 16 to 20 point bushing bit is best (write us for information on dressing tools). Any power tool should be light weight so as to give a light, fast stroke which will only roughen the surface of the stone without cutting too deep. When hand pick is used go over entire surface of both stones with short, even tapping strokes pointing toward the center of the stone. The closer the cuts are together the finer the dress. A fine dress is better for fine grinding and a coarse dress for fast and coarser grinding.

Remember that no part of the surface of stone should be rounded. This applies to both lands and furrows. See diagram of stone.

Each land or grinding surface drops square off to the bottom of the next furrow. The furrow slopes up in a straight line to a feather edge to the next land.

The bottom of each furrow should be about 5/16" deep at the eye of the stone and slope out to about 1/16" at skirt or edge of stone. This refers to the lengthwise slope of furrow from inside source to outside of stone.

Deepening the furrow at skirt of stone will cause coarse meal to come from mill and if too deep it is possible that whole grains may pass through.

Furrows should be slightly wider at eye of stone. The lands or grinding surfaces should be just the reverse, i.e., narrower at eye and wider at outer edge of stone.

Always dress furrows, as well as lands, being careful to keep the same draft and shape of both as originally laid off at factory. We can not be responsible for the satisfactory service of mill when the draft or dressing of burrs is changed, or when improperly dressed. Neither stone should be dressed concave or hollow in the middle, but each land should be kept level through its whole length. The grain is broken up in the furrow and the fine grinding is finished on the lands.

We have found by long experience that the maximum capacity with the least power is to be had with the arrangement and proportion of furrows and lands as originally laid out.

In putting mill back together be sure to see that no meal or trash is lodged in joint of housing to keep the halves from fitting closely together. Also, see that the clamp bolts are tightened evenly all around.

The secret of successfully operating your mill is in keeping the stones in proper alignment, properly dressed and sharpened. If you do this correctly your mill will give you long and satisfactory service.

TROUBLE CHART

If your mill fails to grind properly check the symptoms below:

ECCENTRIC HEATING—

1. Relief spring too tight.
2. Paint in joints. (This will eliminate itself. Keep well greased.)

BEARING HEATING—

1. Relief spring too tight.
2. Lack of proper lubrication.
3. Shaft bent. (Unlikely)
4. Bearings out of line.

MEAL HEATING UNDULY—

1. Stones rubbing together.
2. Furrows too shallow.
3. Out of alignment.
4. Forcing too much meal through mill when power is greater than required.

GRINDS UNEVEN MEAL—

1. Loose stone.
2. Stones out of alignment.
3. Furrows too deep at rim.
4. Broken stone.

CAPACITY REDUCED—

1. Rocks dull—need dressing.
2. Power weak.
3. New or uncured corn choking up inside of mill.
4. Improper dress on stones.

UNDUE VIBRATION—

1. Broken stone.
2. Bad bearing.
3. Shaft bent. (Unlikely)
4. Improper dress—picked out of balance.
5. Runner stone unbalanced.

BAD BEARING—

1. Improper lubrication.
2. Shaft bent. (Unlikely)
3. Bearings mounted out of line.

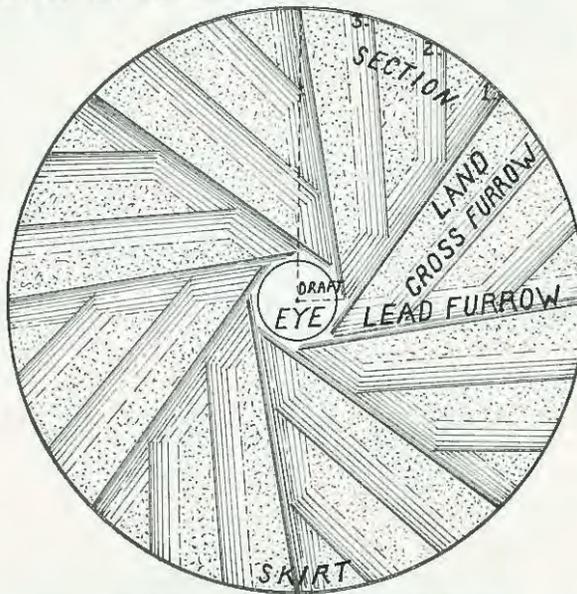
WARRANTY

This guarantee applies only if Registration card is properly filled out and mailed to us.

Meadows Mill Company guarantees each new mill to be free from defects in workmanship and material and will replace F. O. B. Factory any defective parts within ninety days from purchase date provided such parts are returned to factory transportation charges prepaid and subject to our inspection. We will pay no bills for repairs made outside of our factory unless authorized by us and the above agreement shall not apply to any defects resulting from misuse, alterations, negligence, or accident. When defective parts are replaced free of charge it is agreed that the manufacturer is not liable for expenses covering labor or any other expenditures that may be incurred in the replacement of defective parts. We reserve the right to incorporate changes in design without obligation to make these changes on units previously sold.

CONCLUSION

Meadows Mills are honestly built by experienced workmen using the finest tools and materials. We do our best to make every machine so that it will give long and satisfactory service. If you will do your part and follow instructions you will be more than pleased with the performance of this splendid mill. If we can give you any information or be of service to you at any time, call on us and we will be happy to promptly respond.



SHOWING STANDARD DRESS 30" BURR
Scale of above 1" equals approximately 1'

- | | | | | |
|-----------|-------------|---------|-----------------|-----------------|
| 30" Burr: | 8 sections, | 1 lead, | 2 cross furrows | to each section |
| 24" Burr: | 7 sections, | 1 lead, | 2 cross furrows | to each section |
| 20" Burr: | 6 sections, | 1 lead, | 2 cross furrows | to each section |
| 16" Burr: | 7 sections, | 1 lead, | 1 cross furrow | to each section |

PARTS FOR 24" MEALMASTER

Part No.	Name of Part	Shipping	Wt.	Price
1002	Welded Steel Foundation	90	Lbs.	\$40.00
1005	Wooden Sub-sill, 5x5x56"	40	"	4.00
1009	Stool	40	"	15.00
1012	Yoke Frame, babbitted	90	"	30.00
1014	Yoke Frame Bearing Cap	8	"	4.00
1016	Hand Wheel and Thrust Screw	4	"	4.00
1018	Lock Lever	2	"	2.50
1020	Shaft, 2-3/16x49"	75	"	20.00
1023	Cast Iron Drive Pulley, 14x6x2-3/16"	50	"	15.10
1026	Eccentric Hub (Not illustrated separately)	5	"	4.50
1027	Eccentric Strap (Not illustrated separately)	3	"	5.00
1029	Eccentric Ring (Not illustrated separately)	2	"	2.00
1032	Eccentric complete	10	"	11.00
1034	Coil Relief Spring, for 2-3/16" Shaft	2	"	2.00
1036	Spring Ball Bearing	2	"	8.00
1037	Ball Bearing, SKF 6214	3	"	7.00
1038	Sleeve and Key for Ball Bearing	2	"	4.00
1039	Key for Sleeve	1	"	.75
1040	Cap for Ball Bearing Housing	4	"	2.50
1041	Housing cpt. with Alemite Grease Fitting and Cap for Ball Bearing, Runner Stone side	20	"	10.00
1044	Mill Housing, Runner Stone section	210	"	65.00
1048	Air Vent Cover	5	"	2.50
1091	Thumb Screw for Air Vent Cover	8	Oz.	.25
1053	Runner Stone, banded, faced & furrowed	300	Lbs.	48.00
1056	Hub for Runner Stone	10	"	10.00
1057-A	Key for Hub, 1/2x7-3/4", with Cap Screw	1	"	1.25
1059	Feed Screw, with Rivet, for 2-3/16" Shaft	2	"	2.00
1062	Bed Stone, faced and furrowed	290	"	45.00
1066	Mill Housing, Bed Stone section	200	"	60.00
1072-A	Clamp Bolts (4 to set) 5/8x14-1/2"	2	"	1.00
1075	Meal Spout	18	"	6.00
1077	Housing cpt. with Alemite Grease Fitting and Cap for Ball Bearing, Bed Stone side	30	"	15.00
1080	Fan Drive Pulley on Mill Shaft, 6x2-3/16"	9	"	4.00
1082	Combination Fan Housing and Grain Spout, with brass bushings	40	"	15.00
1084	Fan	5	"	3.00
1085-A	Fan Shaft	2	"	1.00
1086	Brass Bushings for Fan Shaft (2 to set), ea.	8	Oz.	.75
1088	Fan Shaft Pulley, 2-1/2x3/4"	1	Lb.	1.25
1090	Air Control Door for Fan Housing	2	Lbs.	1.25
1091	Thumb Screw for Fan Door	8	Oz.	.25
1093	Fan Belt, 5/16" Round Leather, laced, 32"	1	Lb.	1.50
1094	Enrichment Feeder Bibb	8	Oz.	1.00
1095	Enrichment Feeder Cover	8	"	.50
1096	Enrichment Feeder Bracket	8	Lbs.	4.00
1097	Cleaning Shoe Housing, with Valve Finger	6	"	6.00
1098	Set of Corn Screens for Cleaning Shoe	5	"	5.00
1099	Set of Wheat Screens for Cleaning Shoe	5	"	5.00
1100	Finger Valve for Cleaning Shoe	1	"	.75
1101	Aluminum Grain Receiver with Magnet	2	"	7.50
1102	Permanent Magnet for Grain Receiver	8	Oz.	5.00
1103	Feed Cut-off Band	1	Lb.	1.00
1104	Connecting Iron for Cleaning Shoe	2	Lbs.	1.25
1105	Cleaning Shoe cpt. with either Corn or Wheat Screens, Grain Receiver, Permanent Magnet and connecting iron	15	"	17.50
1106	Cleaning Shoe Vibrator	3	"	3.00
1107	Base for Cleaning Shoe Vibrator	5	"	2.50
1108	Clevis for Vibrator Connecting Rod	2	"	1.50
1111	Vibrator Connecting Rod, 5/8x10"	2	"	1.75
1113	Rubber Bushing for Cleaning Shoe and Sifter Vibrators	3	Oz.	.10
1116	Feed Control Stand	6	Lbs.	2.50
1117	Feed Control Fork	3	"	2.50
1118	Fed Control Lever	2	"	1.00
1119	Hopper Legs, curved, each	6	"	2.50
1120	Hopper Legs, straight, each	5	"	2.00
1122	Welded Steel Hopper	40	"	17.50
1123	Hopper Spout	10	"	3.00
1125	Corn Meal Sifter	30	"	13.00
1127	Flour Sifter	30	"	14.00
1129	Sifter Hanger Bracket	4	"	2.50
1130	Sifter Hanger Arm, with bolt & screw eye	1	"	1.75
1131	Hand Wheel for Hanger Arm	1	"	1.00
1132	Sifter Vibrator with bushing and stud	5	"	4.00
1108	Clevis for Sifter Connecting Rod	2	"	1.50
1133	Rubber Bushing for Sifter Head	8	Oz.	.25
1136	Sifter Connecting Rod, 5/8x10-1/4"	2	Lbs.	1.75
1146	Wooden Feed Table	12	"	5.00
1148-A	Follow Block, 2-3/16"	1	"	1.25
1149-A	Thrust Ball Bearing, 2-3/16"	2	"	6.00
1150-B	Wooden Liner for Bearing Cap, Yoke Frame, per pair	8	Oz.	.75
1152	Waste Spout Extension, 21-1/2x4-7/8x3-1/4 (Not Ill.)	3	Lbs.	2.00

PARTS FOR 30" MEALMASTER

Part No.	Name of Part	Shipping	Wt.	Price
1003	Welded Steel Foundation	110	Lbs.	\$48.00
1006	Wooden Sub-sill 6x5x56", each	40	"	4.00
1010	Stool	50	"	18.00
1012	Yoke Frame, babbitted	90	"	30.00
1014	Yoke Frame Bearing Cap	8	"	4.00
1016	Hand Wheel and Thrust Screw	4	"	4.00
1018	Lock Lever	2	"	2.50
1020	Shaft, 2-3/16x49"	75	"	20.00
1024	Cast Iron Drive Pulley, 16x8x2-3/16"	75	"	22.00
1026	Eccentric Hub (Not illustrated separately)	5	"	4.50
1027	Eccentric Strap (Not illustrated separately)	3	"	5.00
1029	Eccentric Ring (Not illustrated)	2	"	2.00
1032	Eccentric complete	10	"	11.00
1034	Coil Relief Spring, for 2-3/16" Shaft	2	"	2.00
1036	Spring Ball Bearing	2	"	8.00
1037	Ball Bearing, SKF 6214	3	"	7.00
1038	Sleeve and Key for Ball Bearing	2	"	4.00
1039	Key for Sleeve	1	"	.75
1040	Cap for Ball Bearing Housing	4	"	2.50
1041	Housing cpt. with Alemite Grease Fitting and Cap for Ball Bearing, Runner Stone section	20	"	10.00
1045	Mill Housing, Runner Stone section	270	"	85.00
1048	Air Vent Cover	5	"	2.50
1091	Thumb Screw for Air Vent Cover	8	Oz.	.25
1054	Runner Stone, banded, faced & furrowed	425	Lbs.	56.00
1056	Hub for Runner Stone	10	"	10.00
1057-A	Key for Hub, 1/2x7-3/4", with Cap Screw	1	"	1.25
1059	Feed Screw, for 2-3/16" Shaft, with Rivet	2	"	2.00
1063	Bed Stone, faced and furrowed	420	"	53.00
1067	Mill Housing, Bed Stone section	255	"	80.00
1072-A	Clamp Bolts (4 to set) 5/8x4-1/2"	2	"	1.00
1076	Meal Spout	18	"	7.00
1077	Housing complete with Alemite Grease Fitting and Cap, for Ball Bearing, Bed Stone side	30	"	15.00
1080	Fan Drive Pulley on Mill Shaft, 6x2-3/16"	9	"	4.00
1082-A	Combination Fan Housing & Grain Spout	50	"	17.50
1084	Fan	5	"	3.00
1085-A	Fan Shaft	2	"	1.00
1086	Brass Bushings for Fan Shaft (2 to set), ea.	8	Oz.	.75
1088	Fan Shaft Pulley, 2-1/2x3/4"	1	Lb.	1.25
1090	Air Control Door for Fan Housing	2	Lbs.	1.25
1091	Thumb Screw for Fan Door	8	Oz.	.25
1093	Fan Belt, 5/16" Round Leather, laced, 32"	1	Lb.	1.50
1094	Enrichment Feeder Bibb	8	Oz.	1.00
1095	Enrichment Feeder Cover	8	Oz.	.50
1096	Enrichment Feeder Bracket	8	Lbs.	4.00
1097	Cleaning Shoe Housing, with Valve Finger	6	"	6.00
1098	Set of Corn Screens for Cleaning Shoe	5	"	5.00
1099	Set of Wheat Screens for Cleaning Shoe	5	"	5.00
1100	Finger Valve for Cleaning Shoe	1	"	.75
1101	Aluminum Grain Receiver with Magnet	2	"	7.50
1102	Permanent Magnet for Grain Receiver	8	Oz.	5.00
1103	Feed Cut-off Band	1	Lb.	1.00
1104	Connecting Iron for Cleaning Shoe	2	Lbs.	1.25
1105	Cleaning Shoe complete with either Corn or Wheat Screens, Grain Receiver, Perm. Magnet & Connecting Iron	15	"	17.50
1106	Cleaning Shoe Vibrator	3	"	3.00
1107	Base for Cleaning Shoe Vibrator	5	"	2.50
1108	Clevis for Vibrator Connecting Rod	2	"	1.50
1112	Vibrator Connecting Rod, 5/8x12"	2	"	2.00
1113	Rubber Bushing for Cleaning Shoe and Sifter Vibrators	3	Oz.	.10
1116	Feed Control Stand	6	Lbs.	2.50
1117	Feed Control Fork	3	"	2.50
1118	Feed Control Lever	2	"	1.00
1119	Hopper Legs, curved, each	6	"	2.50
1120	Hopper Legs, straight, each	5	"	2.00
1122	Welded Steel Hopper	40	"	17.50
1123	Hopper Spout	10	"	3.00
1125	Corn Meal Sifter	30	"	13.00
1127	Flour Sifter	30	"	14.00
1129	Sifter Hanger Bracket	4	"	2.50
1130	Sifter Hanger Arm with Bolt & Screw Eye	1	"	1.75
1131	Hand Wheel for Hanger Arm	1	"	1.00
1132	Sifter Vibrator with Bushing and Stud	5	"	4.00
1108	Clevis for Sifter Connecting Rod	2	"	1.50
1133	Rubber Bushing for Sifter Head	8	Oz.	.25
1136	Sifter Connecting Rod, 5/8x10-1/4"	2	Lbs.	1.75
1147	Wooden Feed Table	14	"	6.00
1148-A	Follow Block, 2-3/16"	1	"	1.25
1149-A	Thrust Ball Bearing, 2-3/16"	2	"	6.00
1150-B	Wooden Liner for Bearing Cap, Yoke Frame, per pair	8	Oz.	.75
1152	Waste Spout Extension, 21-1/2x4-7/8x3-1/4 (Not Ill.)	3	Lbs.	2.00

Price list of parts for 16, 20, 24 and 30 inch MEALMASTER Stone Burr Mills. Effective 12-15-50. Subject to change without notice. All prices are F.O.B. North Wilkesboro, terms cash or C.O.D. This is not a reflection on your credit, but a bookkeeping necessity.

PARTS FOR 16" MEALMASTER

Part No.	Name of Part	Shipping Wt.	Price
1000	Welded Steel Foundation.....	70 Lbs.	\$25.00
1004	Wooden Sub-sill 4x4x50", each	30 "	2.50
1007	Stool	25 "	8.00
1011	Yoke Frame, babbitted	60 "	20.00
1013	Yoke Frame Bearing Cap	6 "	3.00
1015	Hand Wheel and Thrust Screw	3 "	3.00
1017	Lock Lever	2 "	2.00
1019	Shaft, 1-11/16x46"	40 "	12.00
1021	Cast Iron Drive Pulley, 10x5x1-11/16"	35 "	10.30
1025	Eccentric Hub (Not illustrated separately)	5 "	3.50
1027	Eccentric Strap (Not illustrated separately)	3 "	5.00
1029	Eccentric Ring (Not illustrated separately)	2 "	2.00
1031	Eccentric complete	10 "	10.00
1033	Coil Relief Spring for 1-11/16" Shaft.....	1 "	1.00
1035	Spring Ball Bearing	1 "	4.50
1042	Mill Housing, Runner Stone section.....	125 "	37.50
1046	Air Vent Cover	3 "	1.50
1091	Thumb Screw for Air Vent Cover.....	8 oz.	.25
1051	Runner Stone, banded, faced & furrowed	140 Lbs.	30.00
1055	Hub for Runner Stone	8 "	8.50
1057	Key for Hub, 3/8x7-3/4", with cap screws	1 "	1.00
1058	Feed Screw for 1-11/16" Shaft, with rivet	1 "	1.50
1060	Bed Stone, faced and furrowed	140 "	27.50
1064	Mill Housing, Bed Stone section	110 "	35.00
1068	Babbitted Bearing, Base and Cap cpt., with Alemite Grease Fitting and Wooden Liners, Bed Stone Section.....	20 "	12.50
1070	Babbitted Bearing, Base and Cap cpt., with Alemite Grease Fitting and Wooden Liners, Runner Stone section	18 "	11.00
1071	Cap, with Alemite Grease Fittings, for Babbitted Bearings	5 "	2.50
1072	Clamp Bolts (4 to set) 1/2x14-1/2", each	1 "	.50
1073	Meal Spout	10 "	4.00
1079	Fan Drive Pulley on Mill Shaft, 6" diam. x 1-11/16" bore	6 "	3.00
1081	Combination Fan Housing and Grain Spout, with brass bushings	30 "	10.00
1083	Fan	5 "	2.50
1085	Fan Shaft	2 "	.75
1086	Brass Bushings for Fan Shaft (2 to set) ea.	8 Ozs.	.75
1087	Fan Shaft Pulley 2-3/4x3/4"	1 Lb.	1.00
1089	Air Control Door for Fan Housing.....	1 "	.75
1091	Thumb Screw for Fan Door.....	8 Ozs.	.25
1092	Fan Belt, 5/16" Round Leather, laced, 27"	8 Ozs.	1.00
1094	Enrichment Feeder Bibb	8 Ozs.	1.00
1095	Enrichment Feeder Cover	8 Ozs.	.50
1096	Enrichment Feeder Bracket.....	8 Lbs.	4.00
1097	Cleaning Shoe Housing, with valve finger	6 "	6.00
1098	Set of Corn Screens for Cleaning Shoe	5 "	5.00
1099	Set of Wheat Screens for Cleaning Shoe	5 "	5.00
1100	Finger Valve for Cleaning Shoe.....	1 "	.75
1101	Aluminum Grain Receiver, with Magnet.....	2 "	7.50
1102	Permanent Magnet for Grain Receiver.....	8 Ozs.	5.00
1103	Feed Cut-off Band	1 Lb.	1.00
1104	Connecting Iron for Cleaning Shoe	2 Lbs.	1.25
1105	Cleaning Shoe complete with either Corn or Wheat Screens, Grain Receiver, Perm. Magnet & Connecting Iron	15 "	17.50
1106	Cleaning Shoe Vibrator complete with Rubber Bushing	3 "	3.00
1107	Base for Cleaning Shoe Vibrator.....	5 "	2.50
1108	Clevis for Vibrator Connecting Rod.....	2 "	1.50
1109	Vibrator Connecting Rod, 1/2x7"	1 "	1.50
1113	Rubber Bushing for Cleaning Shoe and Sifter Vibrator, ea.	3 Oz.	.10
1116	Feed Control Stand	6 Lbs.	2.50
1117	Feed Control Fork	3 "	2.50
1118	Feed Control Lever	2 "	1.00
1119	Hopper Legs, curved, each	6 "	2.50
1120	Hopper Legs, straight, each	5 "	2.00
1121	Welded Steel Hopper	35 "	12.50
1123	Hopper Spout	10 "	3.00
1124	Corn Meal Sifter	25 "	10.00
1126	Flour Sifter	25 "	11.00
1128	Sifter Hanger Bracket	1 "	1.50
1130	Sifter Hanger Arm, with bolt & screw eye	1 "	1.50
1131	Hand Wheel for Hanger Arm	1 "	1.00
1132	Sifter Vibrator, with bushing and stud.....	5 "	4.00
1108	Clevis for Sifter Connecting Rod	2 "	1.50
1133	Rubber Bushing for Sifter Head.....	8 Oz.	.25
1134	Sifter Connecting Rod, 1/2x6"	1 Lb.	1.50
1144	Wooden Feed Table	10 "	3.00
1148	Follow Block, 1-11/16" diam.	8 Oz.	.75
1149	Thrust Ball Bearing, 1-11/16"	1 Lb.	3.50
1150	Wooden Liner for Bearing Cap, Yoke Frame, per pair	8 Oz.	.50
1150-A	Wooden Liner for Bearing Cap, Runner Stone and Bed Stone Side, per pair	8 Oz.	.50
1151	Waste Spout Exten., 14x3x3-1/8" (Not ill.)	2 Lbs.	1.00

PARTS FOR 20" MEALMASTER

Part No.	Name of Part	Shipping Wt.	Price
1001	Welded Steel Foundation	75 Lbs.	\$30.00
1004	Wooden Sub-sill, 4x4x50", each.....	13 "	3.50
1008	Stool	30 "	10.00
1011	Yoke Frame, babbitted	60 "	20.00
1013	Yoke Frame Bearing Cap	6 "	3.00
1015	Hand Wheel & Thrust Screw	3 "	3.00
1017	Lock Lever	2 "	2.00
1019	Shaft, 1-11/16x46"	40 "	12.00
1022	Cast Iron Drive Pulley, 12x6x1-11/16"	45 "	13.20
1025	Eccentric Hub (Not illustrated separately)	5 "	3.50
1027	Eccentric Strap (Not illustrated separately)	3 "	5.00
1029	Eccentric Ring (Not illustrated separately)	2 "	2.00
1031	Eccentric complete	10 "	10.00
1033	Coil Relief Spring for 1-11/16" Shaft.....	1 "	1.00
1035	Spring Ball Bearing	1 "	4.50
1043	Mill Housing, Runner Stone section.....	150 "	50.00
1047	Air Vent Cover	4 "	2.00
1091	Thumb Screw for Air Vent Cover.....	8 Oz.	.25
1052	Runner Stone, banded, faced & furrowed	200 Lbs.	40.00
1055	Hub for Runner Stone	8 "	8.50
1057	Key for Hub, 3/8x7-3/4", with cap screw	1 "	1.00
1058	Feed Screw for 1-11/16" Shaft, with Rivet	1 "	1.00
1061	Bed Stone, faced and furrowed.....	190 "	37.50
1065	Mill Housing, Bed Stone section.....	140 "	45.00
1068	Babbitted Bearing, Base and Cap complete with Alemite Grease Fitting and Wooden Liners, Bed Stone section	20 "	12.50
1070	Babbitted Bearing, Base and Cap complete with Alemite Grease Fitting and Wooden Liners, Runner Stone section	18 "	11.00
1071	Cap, with Alemite Grease Fitting, for Babbitted Bearings	5 "	2.50
1072	Clamp Bolts (4 to set) 1/2x14-1/2", each	1 "	.50
1074	Meal Spout	12 "	5.00
1079	Fan Drive Pulley on Mill Shaft 6x1-11/16"	6 "	3.00
1081-A	Combination Fan Housing and Grain Spout, with brass bushings.....	32 "	11.00
1083	Fan	5 "	2.50
1085	Fan Shaft	2 "	.75
1086	Brass Bushings for Fan Shaft (2 to set) ea.	8 Oz.	.75
1087	Fan Shaft Pulley 1-3/4x3/4"	1 Lb.	1.00
1089	Air Control Door and Fan Housing.....	1 "	.75
1091	Thumb Screw and Fan Door.....	8 Oz.	.25
1092	Fan Belt, 5/16" Round Leather, laced, 27"	8 Oz.	1.00
1094	Enrichment Feeder Bibb	8 Oz.	1.00
1095	Enrichment Feeder Cover	8 Oz.	.50
1096	Enrichment Feeder Bracket.....	8 Lbs.	4.00
1097	Cleaning Shoe Housing, with valve finger	6 "	6.00
1098	Set of Corn Screens for Cleaning Shoe	5 "	5.00
1099	Set of Wheat Screens for Cleaning Shoe	5 "	5.00
1100	Finger Valve for Cleaning Shoe	1 "	.75
1101	Aluminum Grain Receiver, with Magnet	2 "	7.50
1102	Permanent Magnet for Grain Receiver.....	8 Oz.	5.00
1103	Feed Cut-off Band	1 Lb.	1.00
1104	Connecting Iron for Cleaning Shoe	2 Lbs.	1.25
1105	Cleaning shoe complete with either Corn or Wheat Screens, Grain Receiver, Permanent Magnet, & connecting iron	15 "	17.50
1106	Cleaning Shoe Vibrator cpt. with rubber bushing	3 "	3.00
1107	Base for Cleaning Shoe Vibrator.....	5 "	2.50
1108	Clevis for Vibrator Connecting Rod.....	2 "	1.50
1110	Vibrator Connecting Rod, 1/2x8-1/2"	1 Lb.	1.75
1113	Rubber Bushing for Cleaning Shoe and Sifter Vibrators, each.....	3 Oz.	.10
1116	Feed Control Stand	6 Lbs.	2.50
1117	Feed Control Fork	3 "	2.50
1118	Feed Control Lever	2 "	1.00
1119	Hopper Legs, curved, each	6 "	2.50
1120	Hopper Legs, straight, each	5 "	2.00
1121	Welded Steel Hopper	35 "	12.50
1123	Hopper Spout	10 "	3.00
1124	Corn Meal Sifter	25 "	10.00
1126	Flour Sifter	25 "	11.00
1128	Sifter Hanger Bracket	1 "	1.50
1130	Sifter Hanger Arm with bolt and screw eye	1 "	1.50
1131	Hand Wheel for Hanger Arm	1 "	1.00
1132	Sifter Vibrator with bushing and stud.....	5 "	4.00
1108	Clevis for Sifter Connecting Rod	2 "	1.50
1133	Rubber Bushing for Sifter Head.....	8 Oz.	.25
1134	Sifter Connecting Rod, 1/2x6"	1 Lb.	1.50
1145	Wooden Feed Table	11 Lbs.	4.00
1148	Follow Block, 1-11/16"	8 Oz.	.75
1149	Thrust Ball Bearing, 1-11/16"	1 Lb.	3.50
1150	Wooden Liner for Bearing Cap, Yoke Frame, per pair	8 Oz.	.50
1150-A	Wooden Liner for Bearing Cap, Runner Stone and Bed Stone sides, per pair	8 Oz.	.50
1151	Waste Spout Extension, 14x3x3-1/8" (Not illus.)	2 Lbs.	1.00

MEADOWS

HOUSEHOLD 8" STONE BURR MILL

BULLETIN NO. 114



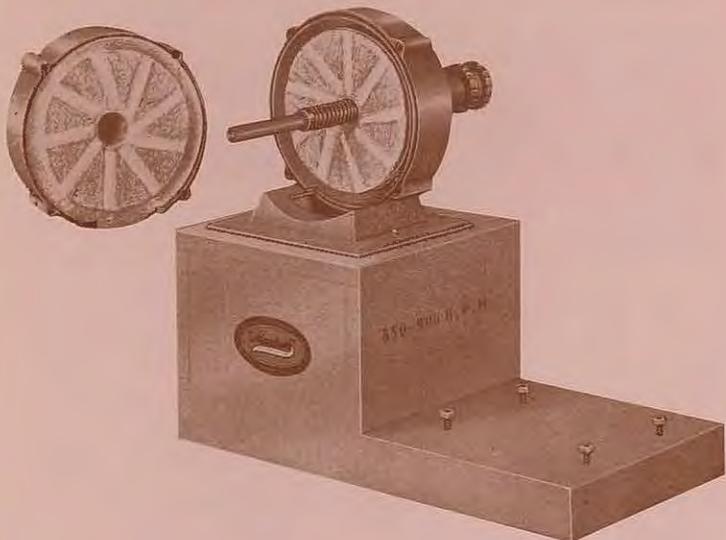
ASSEMBLY A. Showing Meadows 8" HOUSEHOLD Stone Burr Mill with wooden Base, 1 H.P., 1750 RPM Electric Motor, V-Belt Drive, Plug and Cord, ready to operate. (Showing receiving Drawer partially open. The end hand wheel adjusts fineness of grinding. The second wheel locks the adjustment.)



BUILT & GUARANTEED BY

MEADOWS MILL CO., NORTH WILKESBORO, N. C., U.S.A.

MILL MANUFACTURERS SINCE 1900 HAMMER MILLS • STONE BURR MILLS • SAW MILLS



Mill opened showing stones that do the grinding and the pattern of the furrows.

For more than 70 years Meadows Commercial Stone Burr Mills have been recognized the world over as the best. In 1950 we designed the Meadows 8" HOUSEHOLD Mill as a result of many requests from friends and customers for a small mill for individual and household use. This mill was an instant and tremendous success and has proved to be one of the most popular machines we have built. We have many unsolicited letters in our files from owners and operators telling us how much they like their Meadows Mills, what good work they do, etc. We recommend and guarantee this mill to be 100% satisfactory for grinding corn into soft, fluffy southern style meal and grits; also wheat, rye, buckwheat, etc., into healthful and wholesome whole grain flour. A 1 H.P. 1750 RPM Electric Motor with V-Belt Drive runs the mill at proper speed and makes a good power source. Usually a single phase motor is required to be plugged into household outlet.



Note well: CAST IRON HOUSINGS, machined male and female for precision fit. IMPROVED HOPPER AND FEEDER ASSEMBLY, which enables operator to set the rate of feed so that the mill will grind while unattended. The grain is fed from the hopper through an adjustable feed control over a vibrating shoe into the stones by spiral conveyor. The grain is then ground between two GENUINE NATIVE GRANITE STONES. One stone is stationary, the other revolves with the shaft. Before being shipped the stones are dressed and each mill is thoroughly tested for perfect alignment; and if the mill is operated according to instructions it should last a lifetime with only an occasional sharpening of stones. WHAT THE MILL WILL GRIND: Any dry, free flowing small grain into whole grain flour, or crack for cereals, corn into water ground meal or Southern Style Grits. Mill is shipped fully assembled and ready to belt to power. The only adjustment is for fineness of grinding, controlled by thrust and locking wheels. Operating instructions and parts list come with mill.

ASSEMBLY B. Showing Mill mounted on Steel Stand for bottom discharge into bag or other receptacle. Complete with V-Belt Drive, Belt Guard, 1 H.P. Electric Motor, Cord and Plug.



INQUIRIES ANSWERED PROMPTLY.

MEADOWS MILL CO.
NORTH WILKESBORO, N.C. U.S.A.

BULLETIN NO. 114

SPECIFICATIONS 8" HOUSEHOLD STONE BURR MILL	
Power Required: (Electric Motor)	1 H.P.
Correct Speed—R. P. M.	850-900
Grinding capacity in lbs. per hr.	
Approximate: Wheat	100
Corn	50
Hopper capacity, quarts	6
Drawer capacity, quarts	6
Shaft size, diameter, inches	3/4
Mill pulley, dia. & bore ("B" Sheave)	8" x 3/4"
Motor pulley, dia. & bore ("B" Sheave)	4" x 7/8"
Drive belt for wood base mounting	5L-49
Drive belt for steel stand mounting	B-75

	Net Weight	Domestic Shipping Wt. Crated	Gross Wt. Boxed for Export	Approx. Cu. Ft. Boxed	Overall Dim.* Width, Height Length, in.
Mill only with pulleys & belt, less base	74	90	104	3	12 1/2 x 20 1/2 x 21 1/2
Mill cpt. with wood base, drawer & V-Belt drive	91	145	200	7	24 x 31 1/2 x 21 1/2
Mill cpt. with wood base, drawer, V-Belt drive, motor, cord & plug	157	205	197	4	24 x 31 1/2 x 21 1/2
Mill cpt. with steel stand, V-Belt drive & belt guard	100	175	150	5	17 x 51 x 21 1/2
Mill cpt. with steel stand, V-Belt drive, belt guard, motor, cord & plug	166	241	226	6	17 x 51 x 21 1/2

* Width: across face of stones
Length: hand wheel to eccentric
Assembled dimensions, ready for operation

MEADOWS

HOUSEHOLD 8" STONE BURR MILL

BULLETIN NO. 114



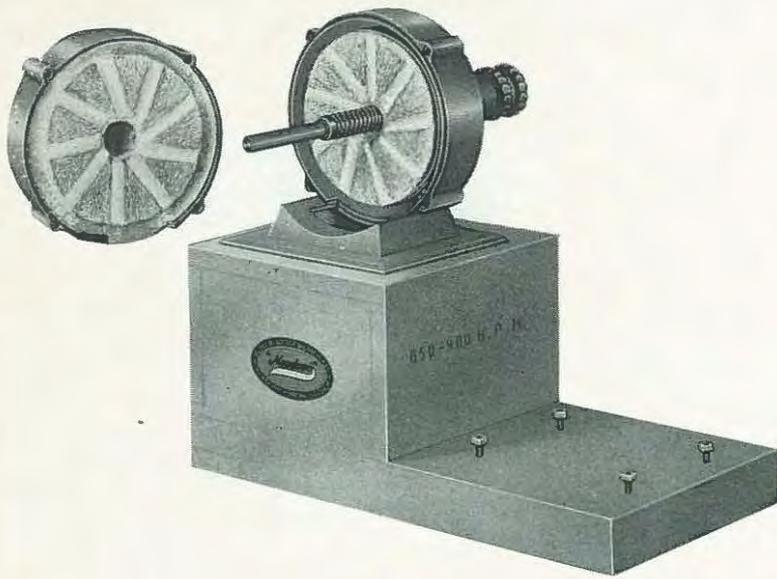
ASSEMBLY A. Showing Meadows 8" HOUSEHOLD Stone Burr Mill with wooden Base, 1 H.P., 1750 RPM Electric Motor, V-Belt Drive, Plug and Cord, ready to operate. (Showing receiving Drawer partially open. The end hand wheel adjusts fineness of grinding. The second wheel locks the adjustment.)



BUILT & GUARANTEED BY

MEADOWS MILL CO., NORTH WILKESBORO, N. C., U.S.A.

MILL MANUFACTURERS SINCE 1900 HAMMER MILLS • STONE BURR MILLS • SAW MILLS



For more than 70 years Meadows Commercial Stone Burr Mills have been recognized the world over as the best. In 1950 we designed the Meadows 8" HOUSEHOLD Mill as a result of many requests from friends and customers for a small mill for individual and household use. This mill was an instant and tremendous success and has proved to be one of the most popular machines we have built. We have many unsolicited letters in our files from owners and operators telling us how much they like their Meadows Mills, what good work they do, etc. We recommend and guarantee this mill to be 100% satisfactory for grinding corn into soft, fluffy southern style meal and grits; also wheat, rye, buckwheat, etc., into healthful and wholesome whole grain flour. A 1 H.P. 1750 RPM Electric Motor with V-Belt Drive runs the mill at proper speed and makes a good power source. Usually a single phase motor is required to be plugged into household outlet.



Mill opened showing stones that do the grinding and the patterns of the furrows.

Note well: CAST IRON HOUSINGS, machined male and female for precision fit. IMPROVED HOPPER AND FEEDER ASSEMBLY, which enables operator to set the rate of feed so that the mill will grind while unattended. The grain is fed from the hopper through an adjustable feed control over a vibrating shoe into the stones by spiral conveyer. The grain is then ground between two GENUINE NATIVE GRANITE STONES. One stone is stationary, the other revolves with the shaft. Before being shipped the stones are dressed and each mill is thoroughly tested for perfect alignment; and if the mill is operated according to instructions it should last a lifetime with only an occasional sharpening of stones. WHAT THE MILL WILL GRIND: Any dry, free flowing small grain into whole grain flour, or crack for cereals, corn into water ground meal or Southern Style Grits. Mill is shipped fully assembled and ready to belt to power. The only adjustment is for fineness of grinding, controlled by thrust and locking wheels. Operating instructions and parts list come with mill.

ASSEMBLY B: Showing Mill mounted on Steel Stand for bottom discharge and bag or other receptacle. Complete with V-Belt Drive, Belt Guard 1 H.P. Electric Motor, Cord and Plug.



INQUIRIES ANSWERED PROMPTLY.

MEADOWS MILL CO.
NORTH WILKESBORO, N.C. U.S.A.

BULLETIN NO. 114

SPECIFICATIONS 8" HOUSEHOLD STONE BURR MILL

Power Required: (Electric Motor)	1 H.P.
Correct Speed—R. P. M.	850-900
Grinding capacity in lbs. per hr.	
Approximate: Wheat	100
Corn	50
Hopper capacity, quarts	6
Drawer capacity, quarts	6
Shaft size, diameter, inches	3/4
Mill pulley, dia. & bore ("B" Sheave)	8" x 3/4"
Motor pulley, dia. & bore ("B" Sheave)	4" x 7/8"
Drive belt for wood base mounting	5L-49
Drive belt for steel stand mounting	B-75

	Net Weight	Domestic Shipping Wt. Crated	Gross Wt. Boxed for Export	Approx. Cu. Ft. Boxed	Overall Dim.* Width, Height Length, in.
Mill only with pulleys & belt, less base	74	90	104	3	12 1/2 x 20 1/2 x 21 1/2
Mill cpt. with wood base, drawer & V-Belt drive	91	145	200	7	24 x 31 1/2 x 21 1/2
Mill cpt. with wood base, drawer, V-Belt drive, motor, cord & plug	157	205	197	4	24 x 31 1/2 x 21 1/2
Mill cpt. with steel stand, V-Belt drive & belt guard	100	175	150	5	17 x 51 x 21 1/2
Mill cpt. with steel stand, V-Belt drive, belt guard, motor, cord & plug	166	241	226	6	17 x 51 x 21 1/2

* Width: across face of stones
Length: hand wheel to eccentric
Assembled dimensions, ready for operation

Bulletin No. 102

MEADOWS

HOUSEHOLD 8" STONE BURR MILL



Household Stone Burr Mill with Base, one HP 1750 RPM Electric Motor and V-Belt Drive—complete, ready to operate.

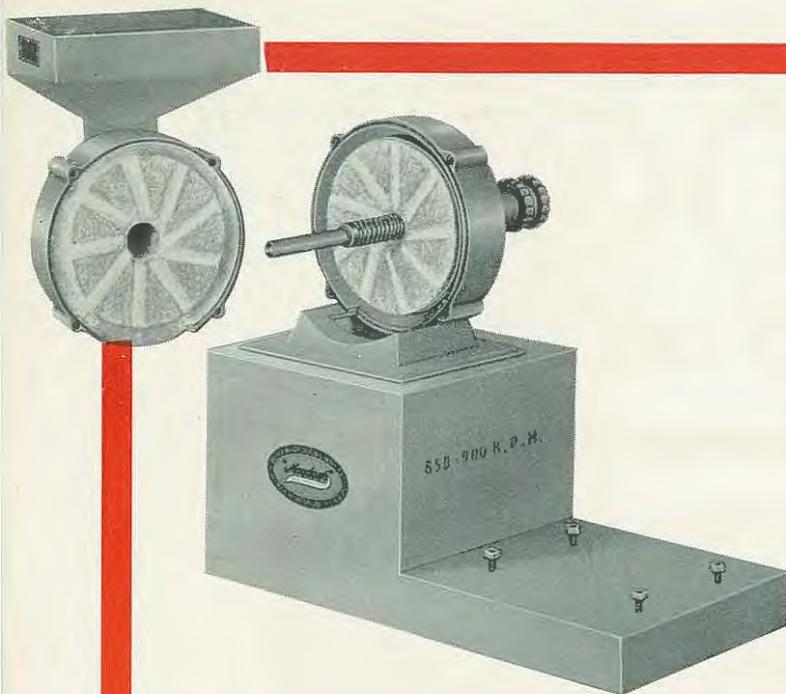
Grist Mills
Hammer Mills

"Meadows"
TRADE MARK REGISTERED
THE MARK OF QUALITY

Saw Mills
Mill Supplies

MEADOWS MILL COMPANY

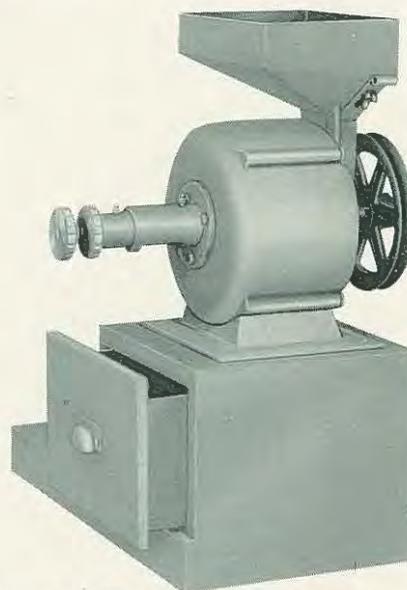
NORTH WILKESBORO, N. C., U. S. A.



For over 50 years Meadows commercial stone burr mills have been recognized the world over as the best. Recently we have received many requests for a small mill to grind healthful whole grain flour and meal right at home for Family use. The Meadows Household mill with 8" diameter stones is our answer to this demand. After designing this grinder we ran many tests on it, both in our factory and with users. The results were 100% satisfactory. We, therefore, recommend this mill very highly and guarantee it to do good work and give splendid service. A 1 HP 1750 RPM electric motor placed on base of mill provided for it, with v-belt drive, runs mill at proper speed, and makes a good power source. Usually a single phase motor is used which can be plugged into household outlet.

MILL OPENED TO SHOW PATTERN OF FURROWS

The cast iron housings are machined male and female for precision fit. The grain is fed from hopper by gravity and into stones by spiral conveyor. One stone is stationary, the other revolves with shaft. The grain is ground between the imported stones made special for this purpose. Before a mill is shipped the stones are dressed and tested for perfect alignment; and if mill is operated according to instructions it should last a lifetime with only an occasional sharpening of stones. What the Mill will grind: Any kind of small grain into whole grain flour, or crack for cereals, corn into water ground meal or Southern Style Grits. Mill is shipped fully assembled and ready to belt to power. The only adjustment is for fineness of grinding, controlled by thrust and locking wheels. Operating instructions and parts list come with mill.



Showing Mill mounted on base with receiving drawer partly open. The end hand wheel adjusts fineness of grinding, and the second wheel locks this adjustment.

SPECIFICATIONS 8" HOUSEHOLD STONE BURR MILL

Speed	Capacity Per Hour In Pounds		Horse Power Required	Size Drive Pulley 8"-1-B groove x 3/4" or 9x2 1/4 x 3/4" Flat	HOPPER		DRAWER		Main Shaft 3/4" dia. x 15" long	Drive Belt V-Type F B Size 49" long
	Corn	Wheat			Size	Capacity	Size	Capacity		
R. P. M.					9" wide		10" wide			
850-900	50	100	1		4 1/2" deep	3 quarts	6" deep	6		
					6 1/2" long		10" long	Quarts		
		Approx. Wt. In Pounds			Approx. Cu. Ft. Boxed for Export		Overall Dimensions Inches			
Mill only with pulleys and belt less wooden base and drawer		Net	Crated Domestic Shipment	Boxed for Export			Width	Length	Height	
		85	100	110	2.6		10	18	15 1/2	
Mill complete with base and drawer		100	145	175	5.0		24	18	23 3/4	
Mill complete plus 1-H. P. Electric Motor		160	205	260	7.0		24	18	25 3/4	

Operating Instructions and Parts List Applying To MEADOWS 8 INCH HOUSEHOLD STONE BURR MILL

Mills are shipped to all points in the United States completely assembled and ready for operation. On receiving mill from carrier you should check carefully for shortage or damage and, if any, have notation made on delivery receipt so that claim can be filed. Our responsibility ceases when we deliver the shipment in good order to the transportation company.

Mills are shipped to foreign countries knocked down and boxed to conserve space. The hopper is removed and hand adjusting wheel taken out, and in some instances the mill is removed from the wooden base and packed beside the drawer on motor foundation.

STARTING AND OPERATING MILL

If mill is shipped with electric motor the only thing to do is to connect motor to current and start operating. Mills furnished less motor must be belted to power. The standard sheaves are: 8" on the mill shaft, and 4" on the 1 H. P. 1750 RPM motor. This gives the mill the proper speed of 875 to 900 RPM.

After mill is properly belted to power, the following steps should be taken:

1. You will note two hand wheels on the thrust end of mill (opposite end to the pulley). The wheel nearest the mill is Locking Wheel part No. 1807. The outside wheel is Hand adjusting Screw, part No. 1806. First turn the locking wheel slightly counter-clockwise and then release the adjusting screw by turning it half a turn counter-clockwise. This releases the stones which are turned up together for safety in shipping.
2. Turn on power and check speed and direction of rotation. The mill should run 875 to 900 RPM in the direction shown by arrow on side of mill. Do not operate at a speed greater than 1000 RPM, or with ungoverned power. Both are dangerous and we are not responsible for results.
3. Turn adjusting screw clockwise until stones rub together, then back off slightly so stones are running close without actually touching. Lock in this position by turning locking wheel clockwise until it is tightened. Do not operate mill for any length of time with stones touching or rubbing together, as this will destroy their sharpness and generate enough heat to crack one or both stones.
4. Fill hopper with grain, pull open feed cut-off and test for fineness of grinding in drawer below mill.

NOTE: As the first grinding usually contains a certain amount of grit from the new stones, it is not advisable to use it for table purposes.

LUBRICATION

The three bearings are filled with No. 1 Cup Grease before leaving the factory, and this is the lubrication you should use on them with a grease gun in the Alemite Fittings. If you use your mill every day it should be lubricated about once a week. If your mill is not used for a long period of time it should be lubricated before starting up again. If the runner stone section or middle bearing heats and it is properly lubricated this indicates that the relief spring is too tight. This should be adjusted by loosening set screw in spring collar to relieve some of the spring tension. This spring will become tighter after the mill is used a long time and must be adjusted.

CARE OF STONES

The stones in these mills are adjusted at factory and should give long service without sharpening. As long as the ground product is of desired fineness and the capacity remains constant there is no need to sharpen or align stones. If the capacity becomes reduced or the ground products becomes uneven, this indicates the stones are dull and need sharpening. Sharpening the stones in this little mill is a comparatively easy and simple job by following the directions below. If you do not care to undertake it, ship your mill back to us and we will do it at a nominal charge.

TAKING MILL APART

1. Remove belt and drive pulley.
2. Take out four mill housing clamp bolts.
3. Slide bed section back until free from drive shaft. (Use blade of screw driver to loosen joint.)
4. Place bed section in horizontal position with face of stone up.
5. Turn runner section over so that it rests on hand adjusting wheel with face of runner stone up and in horizontal position. This may be done without removing mill housing from its base by merely tilting the whole unit, motor, wood base and mill housing over on side.

TEST FOR ALIGNMENT

1. Using cold water paint (powdered Venetian Red or brick dust mixed with water), paint the lands (flat grinding surfaces) of each stone.
2. Turn runner stone section to normal position and replace bed section, fastening with the four clamp bolts.
3. Belt to power and run mill for approximately one minute with stones turned up so they rub together lightly.
4. Stop mill, remove bed section and note the condition of the painted lands.
5. If stones are in proper alignment the paint should be rubbed off evenly. In this case dressing the stones as described below will involve only cutting through the remaining paint, which will act as a guide for uniform dressing all around the stone.
6. If paint is rubbed off on one side only and is untouched on the other it proves that the section where the paint is rubbed off is too high. This part should be picked off and the test repeated until the stones rub evenly on all flat sections.

SHARPENING STONES

1. Place both stones in horizontal position.
2. Go over the entire surface of both stones using a hand pick (like our No. 27 Guaranteed Pick). Strokes should be short, even tapping, and pointing toward the center of the stone. The closer the cuts are together the finer the dress.

Remember that no part of the surface of stone should be rounded. This applies to both lands and furrows.

Each land or grinding surface drops square off to the bottom of the next furrow. The furrow slopes up in a straight line to a feather edge with the next land.

The bottom of each furrow should be about 3/16" deep at eye of stone and slope out to about 1/16" at skirt or edge of stone. This refers to the lengthwise slope of furrow from eye to edge of stone.

Deepening the furrow at skirt of stone will cause a coarse product to come from mill and if too deep, whole grains may pass through.

Furrows should be slightly wider at eye of stone. The lands or grinding surfaces should be just the reverse, i. e., narrower at eye and wider at outer edge of stone. Always dress furrows, as well as lands, being careful to keep the same draft and shape of both as laid off at factory. Neither stone should be dressed concave or hollow in the middle, but each land should be kept level through its whole length. The grain is broken up in the furrows and the fine grinding is finished on the lands.

In putting the mill back together always be sure that the joints of the housing are free from meal or other particles which prevent the halves from fitting closely together. Also, see that clamp bolts are tightened evenly all around.

The secret of successfully operating your mill is in keeping the stones in proper alignment, properly dressed and sharpened. If you do this your mill will give you long and satisfactory service.

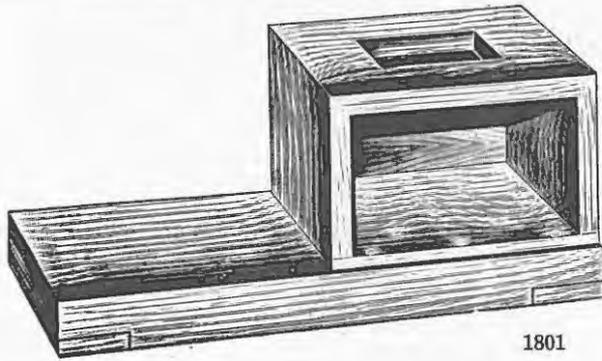
WARRANTY

This guarantee applies only if Registration Card is properly filled out and mailed to us.

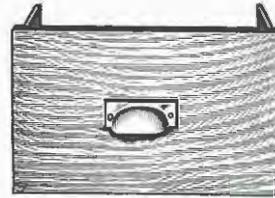
Meadows Mill Company guarantees each new mill to be free from defects in workmanship and material and will replace, F.O.B. factory, any defective parts within ninety days from purchase date provided such parts are returned to factory transportation charges prepaid, and subject to our inspection. We will pay no bills for repairs made outside our factory unless authorized by us, and the above agreement shall not apply to any defects resulting from misuse, alterations, negligence, or accident. When defective parts are replaced free of charge it is agreed that the manufacturer is not liable for expenses covering labor or any other expenditures that may be incurred in the replacement of defective parts. We reserve the right to incorporate changes in design without obligation to make these changes on units previously sold.

MEADOWS MILL COMPANY
NORTH WILKESBORO, N. C. U. S. A.

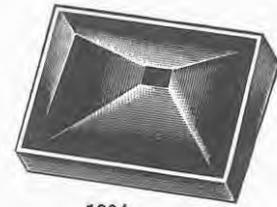
SHOWING PARTS AND PARTS NUMBERS 8" HOUSEHOLD MILL



1801



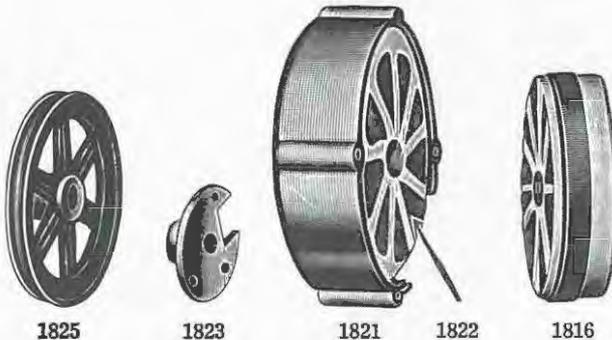
1802



1804



1805



1825

1823

1821

1822

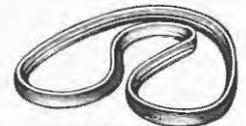
1816



1815



1803



1827



1814



1807



1806



1828



1824



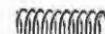
1818



1813



1811



1812



1810



1809



1808



1826



1820



1819



1817

How to order parts. Order from Meadows Mill Company, North Wilkesboro, N. C., U. S. A. Give number, name and price of part or parts desired, also serial number of your mill. All parts are cash FOB factory.

Part No.	Name of Part	Net Wt.	Ship. Wt.	Price
1801	Base, Wooden, less Drawer.....	13 lbs.	20 lbs.	
1802	Drawer for Base.....	3 lbs.	10 lbs.	
1803	Base, Mill, cast.....	8½ lbs.	10 lbs.	
1804	Hopper, cpt., with Intake Spout.....	14 lbs.	17 lbs.	
1805	Feed Cut-off for Hopper.....	1 lb.	2 lbs.	
1806	Screw, Hand Adjusting.....	1 lb.	2 lbs.	
1807	Wheel, Locking.....	½ lb.	1 lb.	
1808	Block, Follow.....	1 oz.	3 ozs.	
1809	Bearing, Ball Thrust, Andrews No. 2003, 3/4x1/4".....	2 ozs.	3 ozs.	
1810	Bearing, Thrust Section, plain bronze.....	4 ozs.	5 ozs.	
1811	Collar, Relief Spring.....	2 ozs.	3 ozs.	
1812	Spring, Coil Relief.....	2 ozs.	3 ozs.	
1813	Bearing, runner section, plain bronze.....	2 ozs.	3 ozs.	
1814	Bearing Housing, comb. runner and thrust section.....	3½ lbs.	4 lbs.	
1815	Mill Housing, runner stone section.....	11½ lbs.	14 lbs.	
1816	Stone, Runner, Banded, less Hub.....	10½ lbs.	12 lbs.	
1816-H	Stone, Runner with hub (No. 1817) attached.....	11 lbs.	14 lbs.	
1817	Hub for Runner Stone, cpt. w/Set Screws.....	4 ozs.	5 ozs.	
1818	Shaft, Main Mill, 3/4"x15".....	2 lbs.	3 lbs.	
1819	Screw, Feed.....	2 ozs.	3 ozs.	
1820	Collar for Feed Screw.....	2 ozs.	3 ozs.	
1821	Mill Housing, Bed Stone section only.....	12 lbs.	14 lbs.	
1822	Bed Stone only, furrowed and dressed.....	10½ lbs.	12 lbs.	
1823	Bearing Housing, Bed Stone section.....	2 lbs.	3 lbs.	
1824	Bearing, Bed Stone section, plain bronze.....	2 ozs.	3 ozs.	
1825	Pulley, mill drive, BK80x3/4" bore.....	4½ lbs.	6 lbs.	
1826	Bolt, Clamp, (Mill Housing), 3/8x3½", 4 to mill, each.....	4 ozs.	7 ozs.	
1827	Belt, Mill Drive, FB49.....	1 lb.	2 lbs.	
1828	Pulley, Motor Drive, BK40x3/4" bore.....	2 lbs.	3 lbs.	
1829	Pulley, Mill Drive, Flat 9x2¼x3/4 (Not illustrated).....	8 lbs.	10 lbs.	

We have tried hard to build your mill so that it will give long, trouble-free and satisfactory service. With proper operating care, we are sure it will. We hope you like your Meadows Mill and will speak well of it to your friends. If we can help you in any way, call on us.

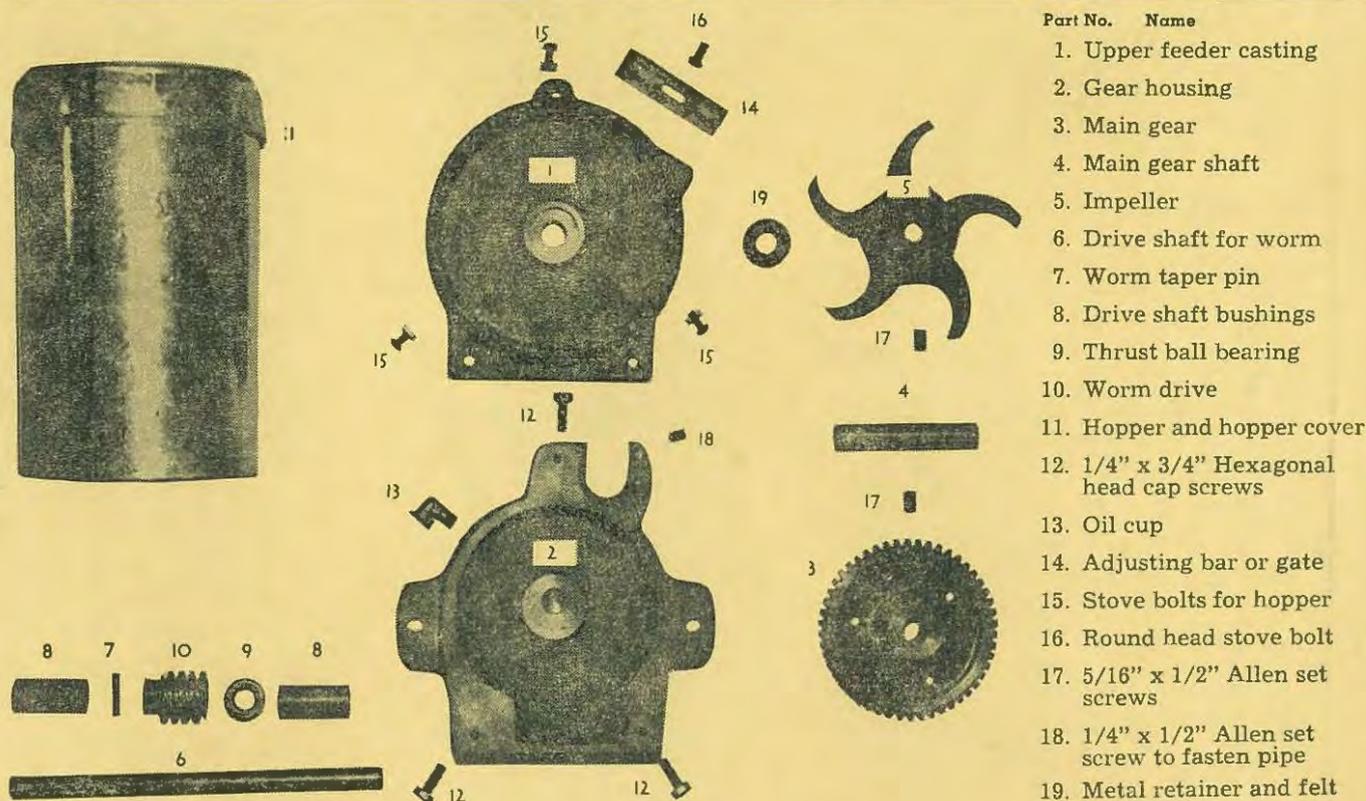
MEADOWS MILL COMPANY
North Wilkesboro, N. C. U. S. A.

Clemson Enrichment Feeder

Nutrition Department

Clemson A. & M. College

Clemson, South Carolina



Part No.	Name
1.	Upper feeder casting
2.	Gear housing
3.	Main gear
4.	Main gear shaft
5.	Impeller
6.	Drive shaft for worm
7.	Worm taper pin
8.	Drive shaft bushings
9.	Thrust ball bearing
10.	Worm drive
11.	Hopper and hopper cover
12.	1/4" x 3/4" Hexagonal head cap screws
13.	Oil cup
14.	Adjusting bar or gate
15.	Stove bolts for hopper
16.	Round head stove bolt
17.	5/16" x 1/2" Allen set screws
18.	1/4" x 1/2" Allen set screw to fasten pipe
19.	Metal retainer and felt

Operating Instructions

(1) Attach enrichment feeder  so that the impeller turns counterclockwise when viewed from the top.

(2) The 1/2" shaft on which the pulley is attached should turn about 250 R.P.M. when enriching meal. A grits feeder is machined and adjusted differently. It is turned about 100 R.P.M. to avoid breaking the particles of the granular grits premix.

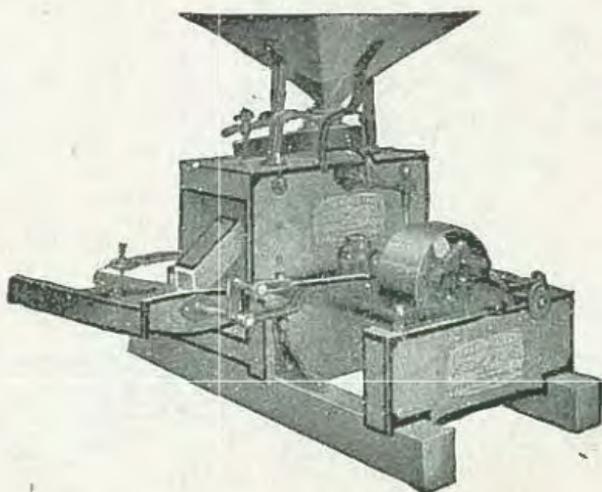
(3) **Keep enough oil in gear box so it can be seen toward the bottom of the oil cup. Use differential oil or a heavy (No. 50) motor oil. The gear box must have oil.**

(4) The entire machine should be taken apart, cleaned, and refilled with the new oil once a year. To do this remove only the three cap screws in the base. This separates the top and bottom.

(5) The adjuster bar (gate) has an elongated slot which permits moving the bar to the left or right to deliver different quantities of premix.

(6) To determine how much enrichment mixture to add to a stream of whole corn meal, use a watch and see how many seconds it takes to grind a bushel of meal. Then adjust the enrichment feeder until it delivers two ounces of premix during this same number of seconds. Some millers put a bushel of corn in the hopper and adjust the enrichment feeder to fill a two-ounce bottle while the bushel is ground.

**THE
WILLIAMS IMPROVED**



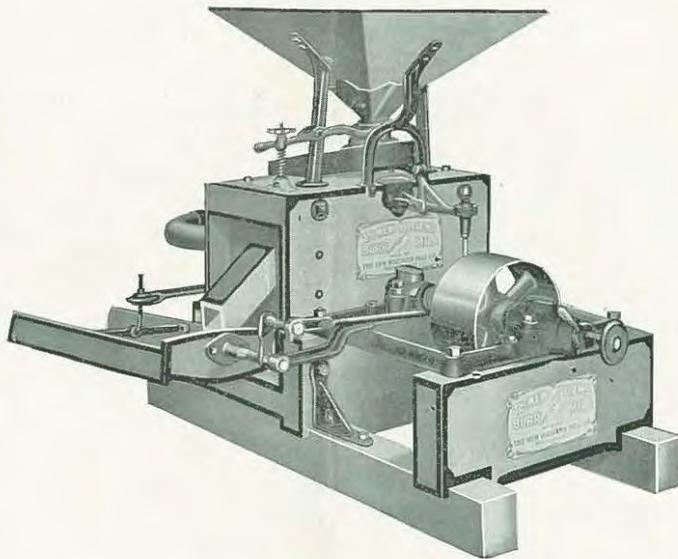
GRIST MILL

Manufactured By

W. J. PALMER MFG. CO.

Incorporated

North Wilkesboro, N. C.



Rear End View of Williams Improved Grist
Mill Showing Thrust Screw Reverse
Lock Lever and Bolter

THE Williams Improved Mill was designed primarily for making the soft and fluffy kind of meal that is universally considered the very best product of its kind. This is the kind of meal that was produced by the large heavy buhrs of the old fashioned water mill, and on this account became known as "water ground" meal.

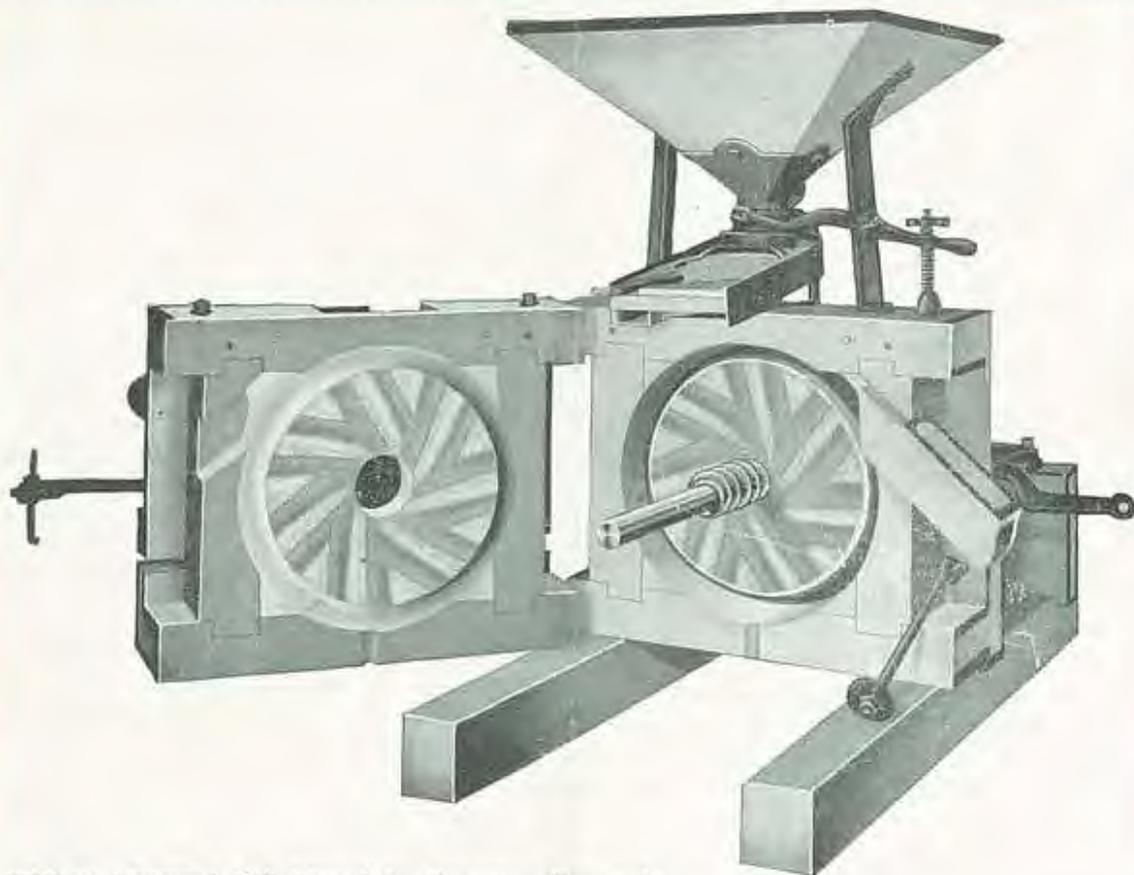
In the Williams Improved Mill this same process of grinding with stone buhrs is carried out. The mill stones are placed vertically, the shaft of the runner stone supported by three babbit-lined bearings. This makes a portable mill of large grinding capacity and requiring very little power to run for an 18 inch mill takes only 6 H. P. Among the eight sizes in which this line is built will be found a mill suitable for any milling requirement from the smallest farm and family work to that of large custom mills.

In buying a mill the most important point to consider is the quality of stones with which it is equipped. Exhaustive tests have proved that no other stone, in fact, cool grinding, equals the buhrs used in the Williams Improved line. The porous texture of this stone absorbs the oil of the grain and will not get slick and heat the meal like the ordinary stones used in so many cheaper mills.

Every Williams Improved Mill is fitted with a patented grain cleaning system that is the most efficient means ever devised for removing every bit of dust, trash and all foreign matter from the grain. Cob ends pass out of the hopper without choking the flow of grain. A high speed fan blows out the silks and dust that pass the cleaning screens. All this waste is delivered from one spout where it is caught in a bag or escapes into a pipe through the floor. No other mill has this feature.

The fineness of the meal, flour or feed is positively and accurately adjusted by the hand wheel with steel screw one inch in diameter against end of shaft. A high grade ball bearing eliminates friction and power waste. A patented lever locks every adjustment with a single movement of the hand.

Strength of construction is a leading feature of the Williams Improved line. Every part is designed to successfully stand every condition of operation.



Williams Improved Mill Opened by Removing Two and
Loosening Two Nuts. Note That Neither Hopper
Nor Cleaning Shoe is Disturbed

SPECIFICATIONS

Every one interested in a mill to grind the best meal, graham or buckwheat flour as well as feed should compare these features point by point with any other mill on the market.

Notwithstanding the many expensive patented features and highest grade construction possible throughout Williams Improved mills are sold at extremely low prices.

BUHRS—North Carolina white flint granite buhrs, carefully selected, properly furrowed and paired up to match in texture and equal in hardness.

FRAME WORK—Substantially built of selected forest pine, thoroughly seasoned and dried. The whole frame is tied throughout with extra heavy steel rods.

HOPPER—Made of one-piece wooden boards, rigidly bolted to three heavy castiron supports.

GRAIN FEED—Hand-wheel regulator, easily adjusted to any capacity.

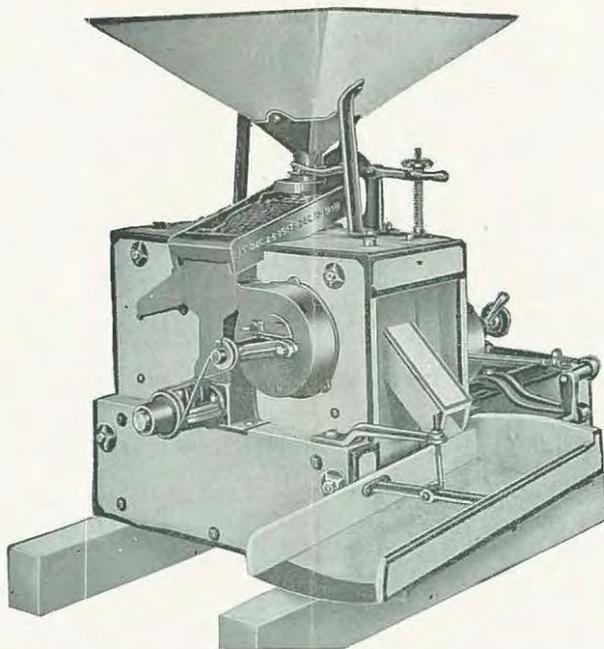
CLEANING DEVICES—Double screen cleaning shoe, and high speed belt driven fan, giving a blast of air strong enough to clean all grains. All waste and chaff is confined to a special spout so arranged that it may be exhausted out of doors or into any suitable receptacle.

SAFETY ADJUSTMENTS—Patented Reverse Lock Lever controlling the fineness of the meal. Buhrs can not jar apart or run together while mill is in operation.

BALL BEARING—Each mill is fitted with specially made ball bearing which works against thrust end of shaft.

MEAL BOLTER—Positively driven, centrally hung and balanced.

SHAFT—Carefully machined extra quality cold rolled steel shafting.



Rear View of Williams Improved Mill Showing High Speed Fan and Improved Grain Cleaning Shoe

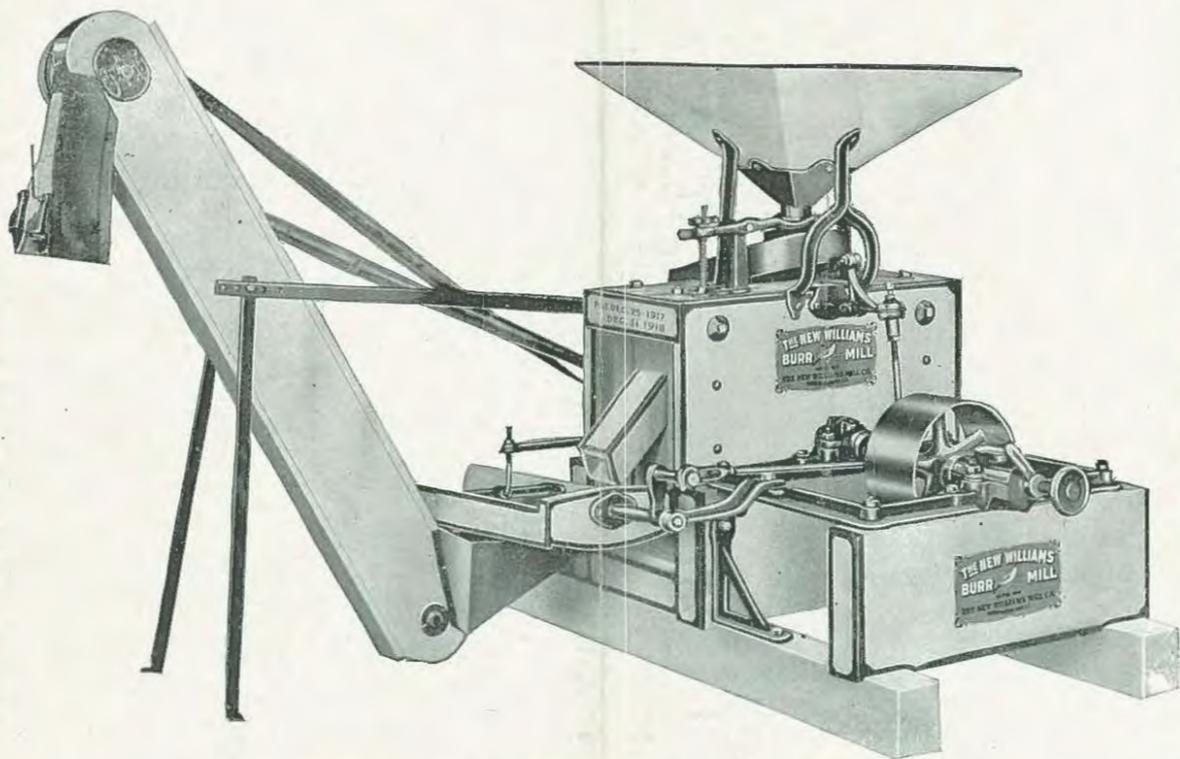
BEARINGS AND CASTIRON FRAME—Three anti-friction lined babbitted bearings supporting main shaft. Extra heavy castiron frame insuring great strength and rigidity.

Sizes, Capacities and Horse Power Required, of the
Williams Improved Portable Meal and Feed Mills
 (Completely Equipped)

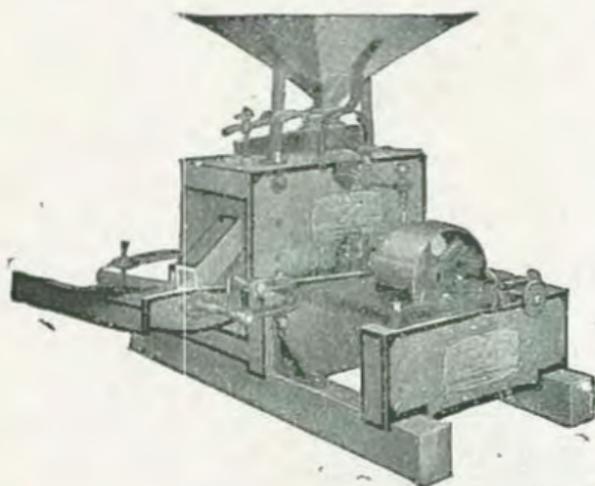
Sacking elevators, mill picks, and special equipment furnished extra at reasonable prices.

Size	Weights	Speed	Capacity per hour		Horse Power	Size Pulley	Size Over All			Size of Shaft	Write For Prices
			Meal	Feed			Length	Width	Height		
No. 1-14"	780	800	5 to 7	6 to 10	4 to 8	10x5	5'-4"	3'-3"	3'-10"	1 7-16	
No. 2-16"	870	760	6 to 8	7 to 11	6 to 8	10x6	5'-4"	3'-8"	4'-1"	1 11-16	
No. 3-18"	1030	730	7 to 9	8 to 12	6 to 8	12x6	5'-6"	3'-10"	4'-5"	1 11-16	
No. 4-20"	1160	700	8 to 10	9 to 15	6 to 10	12x6	5'-6"	4'-0"	4'-8"	1 11-16	
No. 5-22"	1260	650	8 to 12	10 to 15	6 to 10	14x6	5'-9"	4'-2"	4'-11"	1 15-16	
No. 6-24"	1360	625	10 to 15	12 to 18	8 to 12	14x6	5'-9"	4'-4"	5'-1"	1 15-16	
No. 7-26"	1640	600	10 to 20	15 to 22	10 to 15	16x8	5'-10"	4'-6"	5'-3"	1 15-16	
No. 8-30"	1935	500	16 to 25	20 to 30	15 to 25	16x8	6'-0"	5'-0"	5'-6"	1 15-16	

GUARANTEE:—Williams Improved Grist Mills are fully guaranteed by the makers to be of the best material obtainable, and to perform the work for which they are intended in a manner entirely satisfactory to the operator.



20-Inch Williams Improved Mill Equipped With Sacking Elevator



**OWN A
WILLIAMS IMPROVED
GRIST MILL**

IMPORTANT—Read this book before setting up your mill, and keep it handy for future reference.

The size of this mill is.....in. burrs.

The Serial Number is.....

The Date Shipped.....

In ordering repairs give the above information

INSTRUCTIONS FOR OPERATING AND CARE

LIST OF REPAIR PARTS AND PRICES

APPLYING TO

NEW WILLIAMS BURR MILL

CATALOG NO. R 2

Supersedes all repair lists up to August
1st, 1918

NEW WILLIAMS MILL CO., Inc.
NORTH WILKESBORO, N. CAR., U. S. A.

Examine your mill before signing freight receipt and see that all parts are in good order and that nothing is short. The following parts should be attached to mill or wired to crating: Grain Shoe, Sifter Hanger, Sifter Complete, Thrust Screw, and Lock Lever. If any parts are short, or broken have freight agent make proper notations on freight bill, so that claim can be entered with transportation companies for damage. Our responsibility for damages cease when we deliver mills to the transportation companies complete and in good order.

INSTRUCTIONS FOR SETTING UP AND OPERATING THE NEW WILLIAMS MILL

The Mill should be set level on a steady platform raised about 18" above the floor so as to allow a meal box or chest to go under the spout. Place mill 12 to 20 feet away from power source if possible, using a 6" belt for 14 to 24" mills, 8" belt for 26 and 30" mills. We recommend that mill be held in place by timbers nailed to the platform, rather than mill bolted through the sills to platform. See that the shaft runs easily in the bearings, as the boxes will heat if the cap screws are forced down too tight, and will not run true if the caps are too loose. The face of the burrs can be examined through the meal spout opening to see that they are perfectly true.

The Thrust screw and lock lever are detached, for convenience in shipping, and will be found wired to some part of the mill. To replace for grinding, grasp the lock lever in the left hand, and run thrust screw back with right hand until lever can be placed solid against bearing head that receives thrust screw, and in such a position that lock lever points at an angle of 45 degrees to the left of a straight line from center of thrust screw up. Now run thrust screw into bearing head, and test lock lever to see if it locks, by turning it to left. If it does not lock, you have failed to get lock lever close enough to bearing head, when running thrust screw up. When feed is turned on, regulate mill to proper fineness by thrust screw, locking same when proper fineness is reached. If rocks run together when mill is empty, open burrs by lifting lock lever and turning thrust screw backwards.

The shoe or screening device is operated by the eccentric next to the pulley, and the nuts on eccentric should be carefully adjusted should they become loose to prevent rattling, but not too tight as this will cause heating. The shoe is composed of two screens, one being directly over the other. The upper screen is of proper mesh to allow corn to drop through on second screen which catches the corn, and permits the grit and imperfect grains to drop through to the dust pan, and carries the corn to the grain spout. When grinding wheat or small grain it is necessary that the finger or lever found in bottom section of shoe be reversed to cause the grain to feed into the grain spout, and not to the dust pan. In case the screens should become choked, loosen the nut at lower end of shoe, and raise the top section of screen. This enables you to clean both sections of screen readily and easily. The flow of grain on the shoe cleaner is regulated by hand wheel which governs the cut off band on bottom of the hopper. The casting on shoe which receives the feed allows the cut off band to be raised high enough to allow nubbins to pass out without choking feed.

The fan is attached to end of shaft by set screw, and can be adjusted so as to not strike against the sides of the fan case at any time. The current of air is regulated by means of door on fan case.

The sifter has a rocking rather than a lengthwise motion, as this motion has been proven advantageous. It is constructed of a screen of proper mesh for separating bran from meal, and fits directly under the meal spout. The meal passes through the screen to the box or chest while the bran passes over the tail of the sifter into such receptacle as you may have prepared to receive it. The construction is simple and very convenient. It can be detached or attached while the mill is in operation. The hook on sifter hanger (found on fan side of mill) passes through an opening in sifter brace, and the sifter head fits into the sifter support (bolted to cast frame of mill). The eccentric rod hook hooks over upper part of sifter head and transmits to the sifter its motion from the eccentric. The sifter can be adjusted to proper position by pushing sifter hanger out or in, and by raising or lowering the hook which goes through sifter support, so as to give sifter proper slope. To give sifter longer stroke, change casting

on which eccentric rod hook works to lower hole. If the sifter is not handling meal fast enough your mill is running too slow. The sifter support is turned inside of cast frame to prevent breaking in shipping.

The eccentric vibrates the shoe as well as the sifter, by means of connecting rods, and if for any cause it begins to heat, loosen the nuts on eccentric slightly. If eccentric still heats loose clamp bolt on bottom of eccentric, and insert another small thin liner. If sifter connecting rod is adjusted so that it binds this will cause eccentric to heat.

If the steel spring pressing against the middle box should ever cause heating, loosen the set screw on spring housing, and release slightly the tension on the spring. This spring is to prevent burrs from drifting together when mill runs empty, and therefore should be as tight as it will go and not heat, especially on large mills.

To take mill apart to resharpen burrs loosen the set screw attaching fan to end of shaft; take off nuts on rod passing through top of mill frame, push rods out, loosen large nuts on hinge bolts, and swing these bolts out. (The nuts to be loosened are on fan side of mill.) Now pull mill apart sliding fan section of mill along on sills. Turn both sections of mill on end with rocks horizontally up.

To resharpen burrs take a sharp pick, and go over the burrs carefully, widening and deepening the furrows, and dressing off any slick surface which may appear on the lands or grinding surface. The furrows on the burrs should take up one-half of the surface and the lands the other half. The furrows should be deepest at the eye of the burr, and become gradually shallower in two directions. First towards the outer edge of burr, at which point they should be about one-eighth of an inch deep. Second from the deepest valley in the furrow next to the land which should drop off perpendicular, towards the smooth land or grinding surface. They should slope here like scissors or knife blade until they come to the lands which should be perfectly smooth and true with no slope. The furrows should be from a fourth to a third wider at the eye than at the outer edge, and the lands should be from a fourth to a third wider at the outer edge than at the eye.

The furrows should be one fourth of an inch deep at eye and one eighth of an inch deep at outer edge. Always in finishing dressing burrs from a fourth to a third wider at the outer edge than at the eye. The furrows should be one fourth of an inch deep at eye and one eighth of an inch deep at outer edge. Always in finishing dressing burrs dress with pick lengthwise and never cross furrows or face. Re-adjust the sections of the mill, taking precaution to see that everything is in exact place, and that all bolts are screwed up with equal tightness; run burrs together slightly to see if faces of rock are perfectly in lign. Before doing this it is a good idea to paint the faces of the burrs. Take sections of mill apart again, and see if there are any high places on the face of the burrs. The paint will be rubbed off on the high places and not disturbed on the low places. Repeat this process until the burrs are in perfect alignment, that is when they will touch everywhere with equal force. No mill will make good meal unless the burrs are kept properly dressed and in perfect alignment. The above process is the one through which every mill goes before leaving the factory, and each mill is carefully tested by grinding a sufficient amount of corn through it to prove that it is perfectly true, and that it will make meal of an extra degree of fineness.

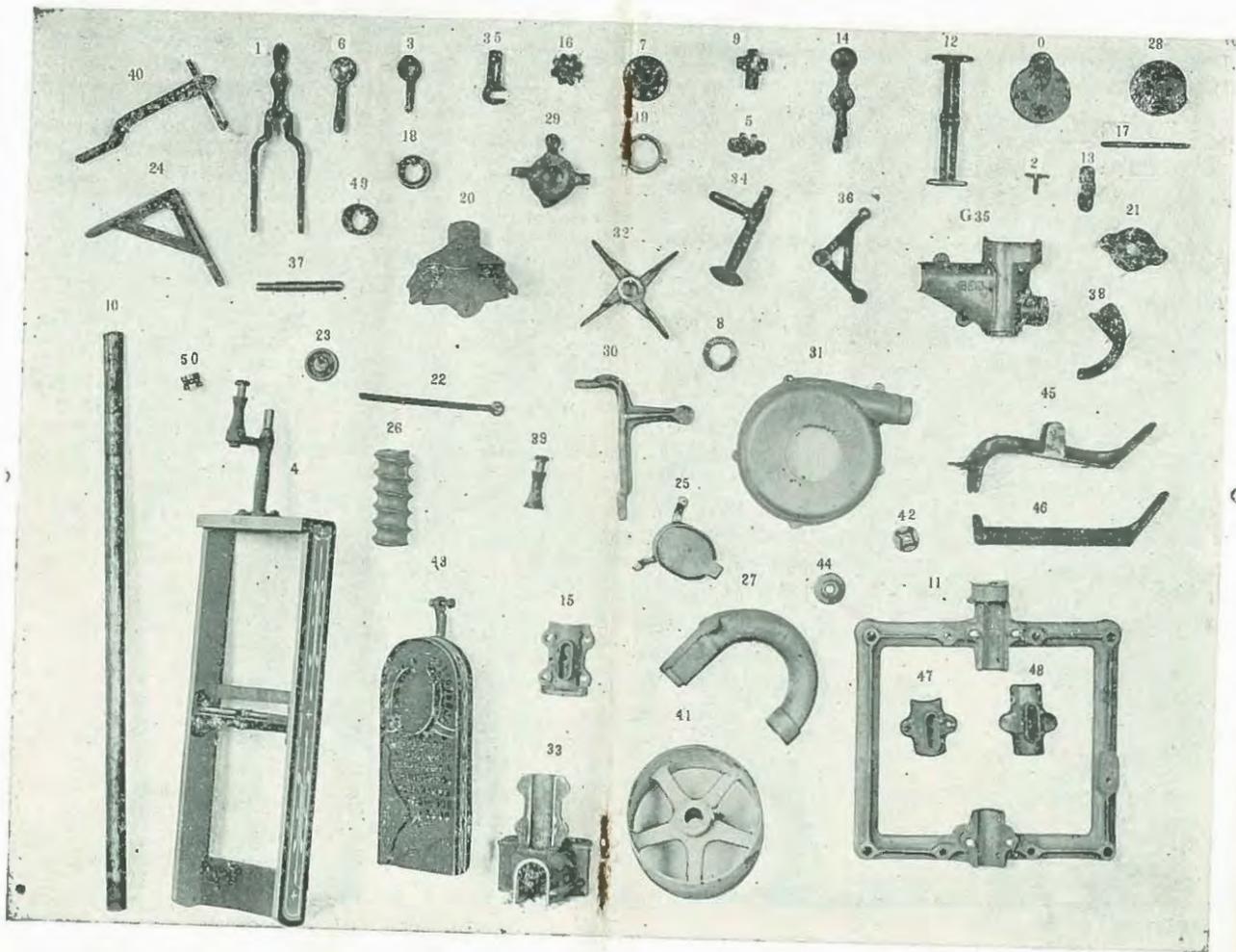
PRECAUTIONS

Don't wait until the furrows on burrs are worn out before sharpening mill. You will have nothing to go by then, and three times as much work as sharpening it twice before mill gets too dull.

Don't change draft of furrows. They are given the proper draft at factory, and no matter what self termed "MILL EXPERT" tell you keep the same draft, and let the furrows as originally laid off be your pattern in sharpening.

Never cut furrows round, cut them so that they will slope up to lands, with feather edge.

Burrs must be kept in alignment (so they touch all around with equal force). If not mill will pull hard, make meal coarse and hot, and not grind to capacity. If there is anything about your mill that you do not understand, write us direct, and we will gladly and promptly advise you to the best of our ability.



INSTRUCTIONS FOR ORDERING REPAIRS

When ordering repairs if you wish to get the right repairs in the quickest time, with the least trouble to you and us, follow these instructions:

1. Give size of mill (Diameter of burrs)
2. Give serial or shop number of mill
3. Give date of purchase of mill
4. Give number, name and price of repairs wanted as shown on repair sheet
5. Give us your correct name, address, and Express office
6. Write all information plainly

Terms: All repairs are cash to all. We do not pay transportation charges.

If you wish shipment to be made by Parcel Post enclose postage to cover.

If you send too much, the surplus will be returned to you. Shipments will be made by express collect unless otherwise instructed. If you prefer we will ship repairs either by Parcel Post or Express C.O.D., but it is cheaper for you to remit with order.

Owing to the rapid increase in price of casting, and all other materials the prices on repairs are subject to change without notice.

	Class A 14" Mill	Class B 16, 18, 20"	Class C 22, 24, 26, 30"
A-O—Fan Door .....	.40	.40	.50
1—Feed Fork .....	.90	1.00	1.00
2—Fan Door Wing Screw.....	.25	.25	.25
3—Thrust Finger .....	.50	.50	.50
(Used only on mills below No. 573.)			
4—Sifter Complete	4.00	4.00	5.00
5—Oil Lid .....	.15	.15	.15
6—Lock Lever .....	.60	.60	.60
7—Thrust Wheel	1.50	1.50	1.50
8—Spring Washer .....	.30	.40	.40
9—Eccentric Head Bearing.....	1.00	1.00	1.00
10—Shaft	4.00	5.00	6.00
11—Frame	10.00	12.00	15.00
12—Sifter Brace.....	.75	.75	.75
13—Feed Wheel Base .....	.40	.40	.40
14—Shoe Iron	1.00	1.00	1.00
15—Cap for Grain Bearing.....	1.50	1.75	2.00
16—Feed Wheel .....	.40	.40	.40
17—Feed Wheel Rod .....	.40	.40	.40
18—Spring Housing .....	.60	.70	.80
19—Cut Off Band .....	.75	.75	.75
20—Hopper Spouts	1.25	1.25	1.25
21—Drive Iron	1.50	1.50	1.50
22—Eccentric Rod .....	.50	.50	.50
23—Sifter Hanger Adjuster .....	.40	.40	.40
24—Brace	1.50	2.25	3.00
25—Shoe Casting .....	.75	.90	.90
26—Feed Screw	1.50	1.60	1.70
27—Return Bend	2.50	2.50	2.50
28—Thrust Head	2.25	2.25	2.25
(only on mills below No. 573)			
29—Eccentric	3.00	3.50	3.50

	Class A 14" Mill	Class B 16, 18, 20"	Class C 22, 24, 26, 30"
30—Sifter Support	1.50	1.50	1.50
31—Fan Casing	3.00	3.00	3.50
32—Fan	1.50	1.50	1.50
33—End Bearing Box	2.25	2.25	3.00
34—Sifter Head	1.25	1.25	1.25
35—Eccentric Rod Hook	1.25	1.25	1.25
35G—ABCDEFGH Grain Spout..	2.75	3.25	4.00
36—Shoe Vibrator.....	.75	.75	.75
37—Thrust Screw.....	.75	.75	.75
38—Thrust Finger Plate.....	.75	.75	.75
(only on mills below No. 573)			
39—Part of Sifter Head.....	.50	.50	.50
40—Sifter Hanger.....	1.00	1.25	1.25
41—Pulley	6.00	8.00	10.00
42—Head Washer.....	.50	.60	.75
43—Grain Cleaning Shoe.....	5.00	5.00	6.00
44—Hinge Bolt Washer.....	.50	.60	.75
45—Back Hopper Support.....	2.00	2.50	3.00
46—Right or Left Hopper Support	1.00	1.25	1.50
47—Central Bearing Cap.....	1.50	1.75	2.00
48—Thrust & Bearing Cap.....	1.75	2.00	2.25
49—Thrust Spring.....	.40	.50	.60
50—Thrust Ball Bearing.....	2.10	2.50	3.50
Hopper (not shown)	3.00	3.50	4.00
Burr—Furnished in pairs, with runner rock on spindle, or in single rocks. Prices only on application.			
Mill Picks: Made of best grade tool steel, \$3.00 ea.			

CORN MEAL BAGS

As long as the present supply lasts we can furnish 10 and 25 pound meal bags made of heavy Security Craft fiber stock, attractively printed in red and green, with your name and address in black. An attractive bag that will please your customers, and advertise your business.

Prices (Including printing but not delivered)

10 pound bags, per hundred	\$2.50
25 pound bags, per hundred	\$3.50

Send your order at once direct to

NEW WILLIAMS MILL CO., Inc.

North Wilkesboro, N. C. U. S. A.

THE
CORN KING



(Trade Mark)

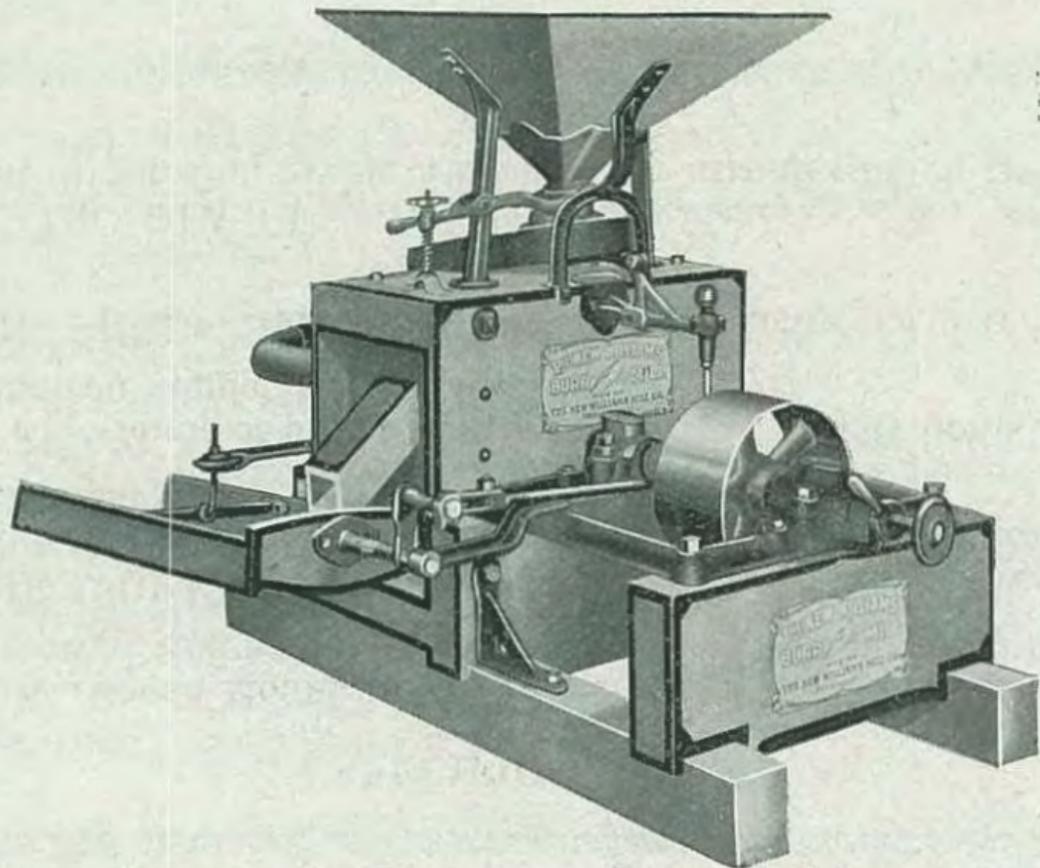


MANUFACTURED BY
NEW WILLIAMS MILL CO.
Incorporated
North Wilkesboro, N. C.

The NEW WILLIAMS CORN AND FEED MILL is built for efficiency, durability and simplicity. It is suited for every milling requirement from the largest roller mill plants to the smallest farm and family work. Besides making the finest and most choice bread meal, it will grind all kinds of small grain such as wheat, oats, barley, buckwheat, etc. It will make a most excellent quality of graham flour, in fact we will guarantee the New Williams Burr Mill to equal the work of any burr mill in existence, regardless of price or pattern.

Three features which have helped make the New Williams the best selling and most satisfactory mill on the market:

1. The burrs, which are the heart of the mill. Our pebble stones grind faster and cooler and wear longer without dressing than any other stone.
2. The unusual efficiency of our patented grain cleaning system.
3. Heavy and substantial construction. Compare it for strength with any other mill, regardless of price.



Front end view, showing Thrust Screw, Reverse Lock Lever and Bolter

SPECIFICATIONS.

BURRS—Brush Mountain pebble grit burrs, carefully selected, properly furrowed, and paired up to match in texture and equal hardness.

FRAME WORK—Substantially built of selected forest pine, thoroughly seasoned and dried. The whole frame is tied throughout with extra heavy steel rods.

HOPPER—Made of one-piece wooden boards, rigidly bolted to three heavy castiron supports.

GRAIN FEED—Hand-wheel regulator, easily adjusted to any capacity.

CLEANING DEVICES—Double screen cleaning shoe, and high speed belt driven fan, giving a blast of air strong enough to clean all grains.

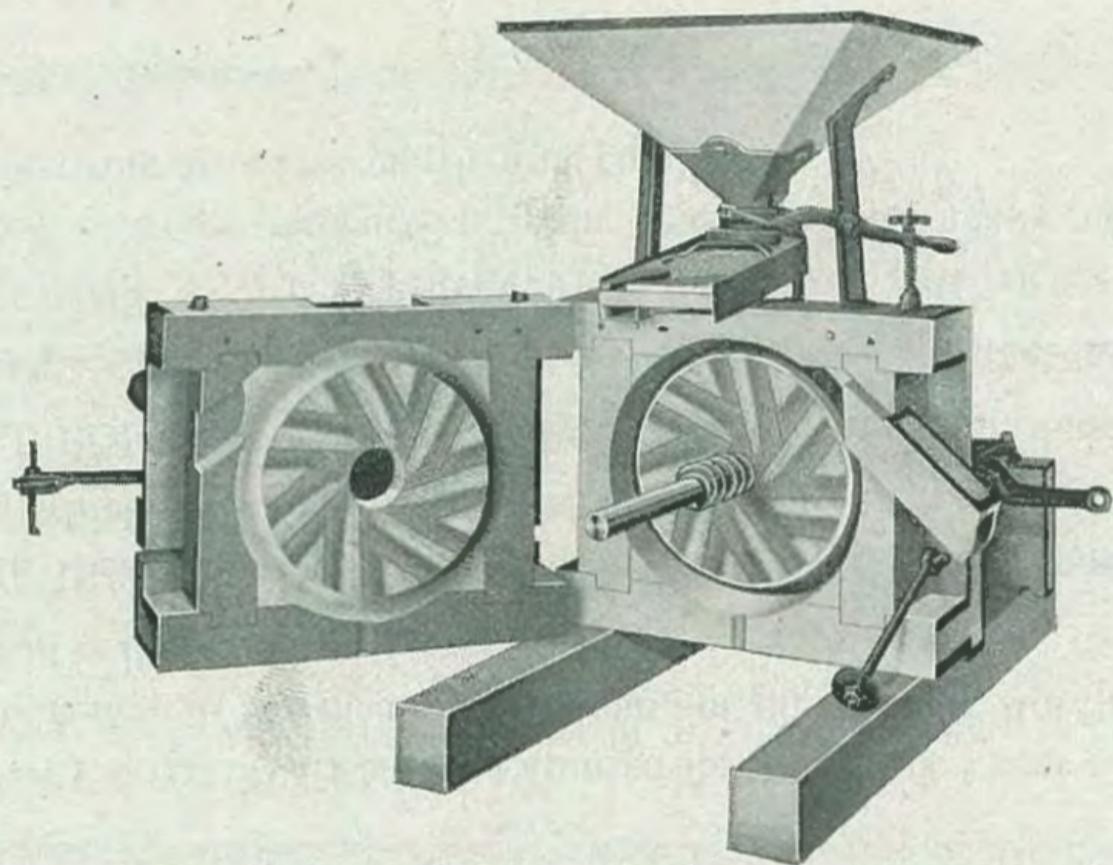
SAFETY ADJUSTMENTS—Patented Reverse Lock Lever controlling the fineness of the meal. Burrs can not jar apart or run together while mill is in operation.

BALL BEARINGS—Each mill is fitted with a specially made ball bearing which works against thrust end of shaft.

MEAL BOLTER—Positively driven centrally hung and balanced.

SHAFT—Carefully machined extra quality coldrolled steel shafting.

BEARINGS AND CASTIRON FRAME—Three anti-friction lined babbitted bearings supporting main shaft. Extra heavy castiron frame insuring great strength and rigidity.



Sectional View, showing Mill apart. Note the hopper is not disturbed.

Sizes, Specifications, Capacities, Horse Power Required, and Prices of the
NEW WILLIAMS IMPROVED, PORTABLE BREAD AND FEED MILLS
 (Completely Equipped)

SIZE	Weight	Spe'd	CAPACITY PER HOUR		Horse Power	Size Pulley	SIZE OVER ALL			Size of Shaft	PRICE
			Table M.	Feed M.			Length	Width	Height		
No. 1-14"	780	800	5 to 7	6 to 10	4 to 8	10x6	5'-4"	3'-3"	3'-10"	1 7-16	\$110.00
No. 2-16"	870	760	6 to 8	7 to 11	6 to 8	12x6	5'-4"	3'-8"	4'-1"	1 11-16	125.00
No. 3-18"	1030	730	7 to 9	8 to 12	6 to 8	12x6	5'-6"	3'-10"	4'-5"	1 11-16	135.00
No. 4-20"	1160	700	8 to 10	9 to 15	6 to 10	12x6	5'-6"	4'-0"	4'-8"	1 11-16	155.00
No. 5-22"	1260	650	8 to 12	10 to 15	6 to 10	14x6	5'-9"	4'-2"	4'-11"	1 15-16	170.00
No. 6-24"	1360	625	10 to 15	12 to 1	8 to 12	14x6	5'-9"	4'-4"	5'-1"	1 15-16	198.00
No. 7-26"	1640	600	10 to 20	15 to 2	10 to 15	16x8	5'-10"	4'-6"	5'-3"	1 15-16	220.00
No. 8-30"	1935	500	16 to 25	20 to 4	12 to 18	16x8	6'-0"	5'-0"	5'-6"	1 15-16	260.00

GUARANTEE:—New Williams Burr Mills are fully guaranteed by the makers to be made of the best material obtainable, and to perform the work for which they are intended in a manner entirely satisfactory to the operator.

DISTRIBUTED BY

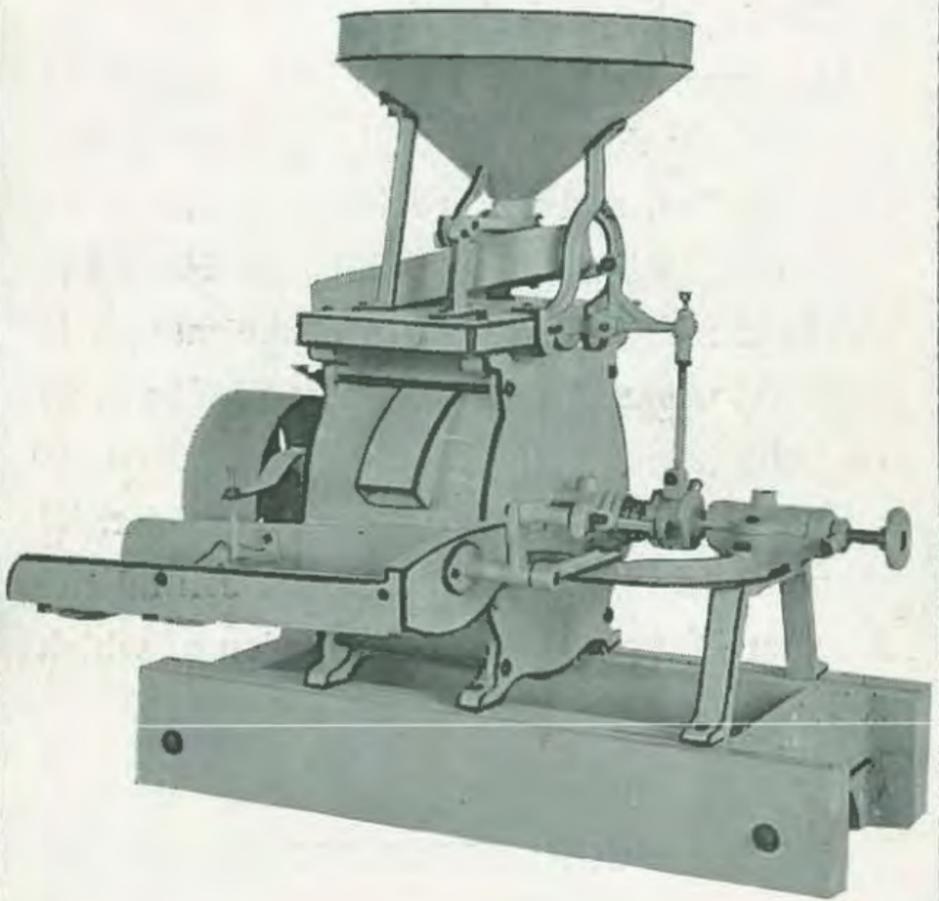


For further information write for catalog.

The Monitor

(IRON CLAD)

Marvel GRIST MILL Tractor Type



**Specially Designed — Fully Guaranteed
and Carefully Manufactured**

BY

**NEW WILLIAMS MILL CO., Inc.
NORTH WILKESBORO, N. C.**

INTRODUCTION

In presenting to the Millers, Farmers and general public the Monitor Marvel Cast Iron Frame Grist Mill, we believe we are putting out the best mill in the world.

The Monitor was originated and designed by our Mr. C. L. Sockwell who has, regardless of cost, built into it every improvement and advancement known to mill builders.

It is the culmination, the crowning achievement of his life which has been successfully devoted to mill engineering and construction, and we are justly proud of it.

The assertion that the Monitor Marvel is the best mill in the world for the money, is one that we are willing to let you judge as to the absolute truth of. Our reputation as mill builders, our good name, our financial standing, our experience, are all behind the Monitor Marvel, a brief description of which follows:

CONSTRUCTION

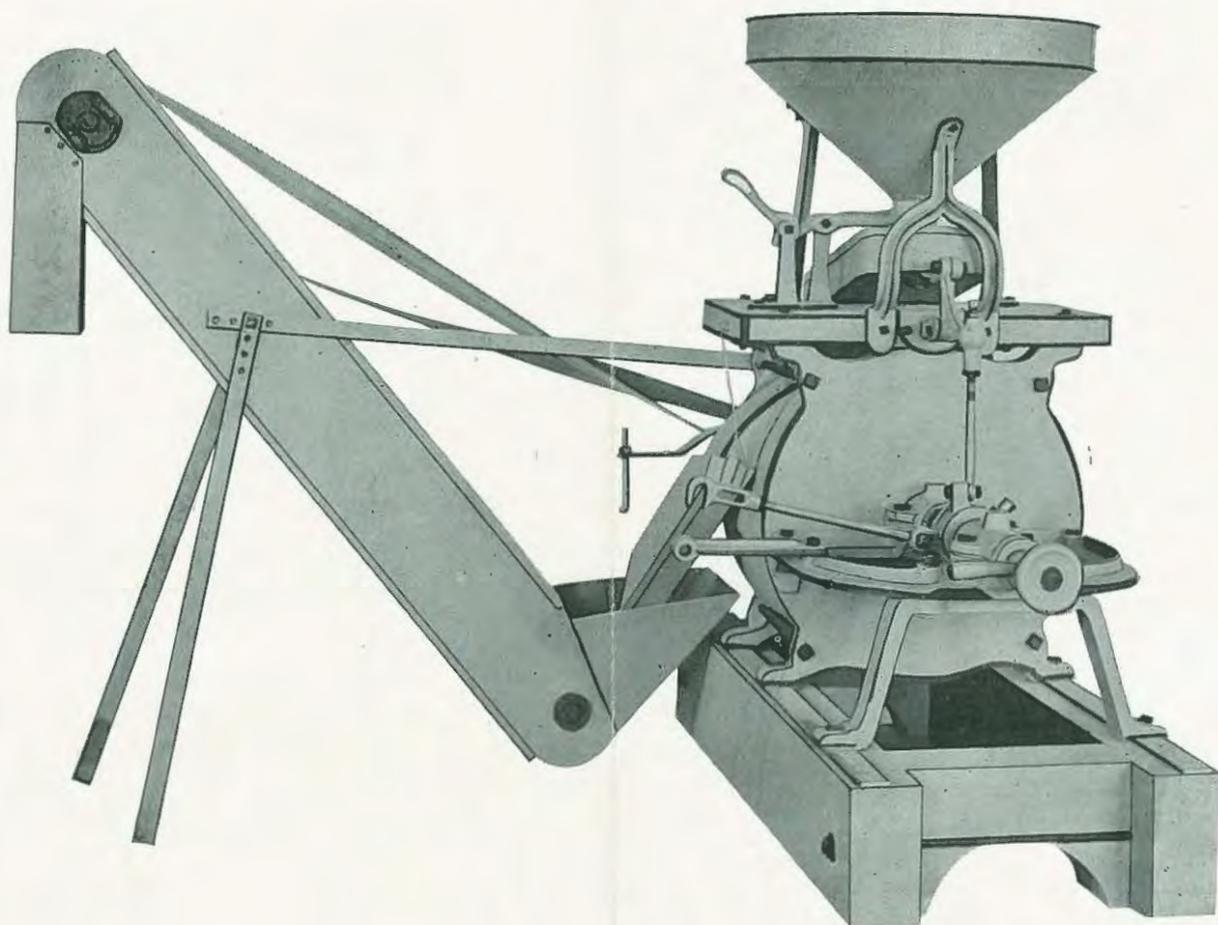
The Monitor Marvel as the name implies is iron clad, and built to stand the severest strains and heaviest power.

This mill is as strong as iron and steel can make it.

Mill stones can not get out of alignment.

You will notice that the pulley is on the end of the shaft, designed especially this way for tractor power and permitting the use of an endless belt.

The Monitor Marvel Grist Mill—Tractor Type
Roller and Ball Bearing



The Monitor Marvel Grist Mill and Sacking Elevator

The Sifter has Been Detached in Above Picture



DOUBLE SCREEN CLEANER

A large double screen patented cleaner, thoroughly cleans the grain of all rat litter, hairs, silks, dust and all foreign substances, such as nails, bolts, nuts, and gravel.

This is the most efficient cleaning device yet invented, and assures clean and sanitary meal.

A refuse conveyer takes all dust from cleaner and segregates it into a convenient receptacle on side of mill.

This cleaner is positively driven by an eccentric on main shaft, which eccentric also drives meal bolter.

A patented reverse lock lever positively locks burrs at any closeness desired, which position is easily reached by thrust wheel on end of mill.

Economy of Operation

Ball and Roller Bearing.

Power is expensive therefore we have made the Monitor Marvel, Ball and Roller Bearing.

The end pulley bearing on all sizes except 16 inch contains a large size famous Hyatt Roller Bearing.

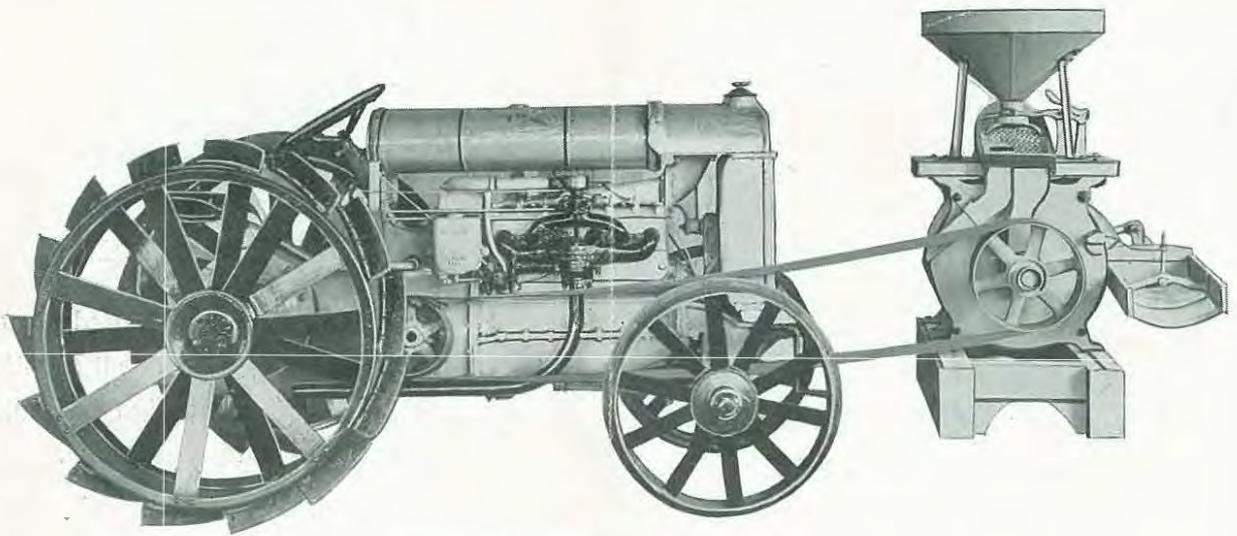
The middle bearing has a self contained

be run by hand when empty. It runs like a sewing machine.

BOTTOM VENTILATOR

The great disadvantage of a cast mill has been the meal caking and souring inside of mill. We have overcome this by use of sliding door in bottom of mill, which allows cleaning and airing out after each day's grinding.

Small fans attached to runner burrs blow



Mill and Tractor Ready for Operation

ball bearing against which a tension spring works, to prevent burrs drifting together when mill runs empty.

The end bearing opposite to pulley has a high grade thrust ball bearing. As a result of these expensive bearings the Monitor Marvel is lightest running mill that has ever been designed, and requires from 40 to 50 per cent. less power to operate than other mills of equal size and capacity.

This is demonstrated by the ease mill can

out any meal that might be left in mill to cake and sour.

A special drawer is attached to bottom of mill to receive cleanings. This is an exclusive improvement with the Monitor Marvel.

MILL STONES

Burrs are the most important part about the mill. Improved outside features are good, but no mill can be better than the mill stones inside.

We use only Genuine American Brushite Blue Pebble Stone Burrs, the best grinding stock in the world, better by far than the French Burrs. They are carefully selected and paired in texture to insure the best grinding surface.

Will not glaze and get slick after being used.

Scissor like furrows cut the corn and do not mash it into meal, hence you get cool, even fluffy meal.

A SUPERIOR MILL

Built like a Motor, strong, durable, light running, Ball and Roller Bearing, saves forty per cent. of the power, will not heat the meal, and above all positively will not get out of alignment, truly a Marvel.

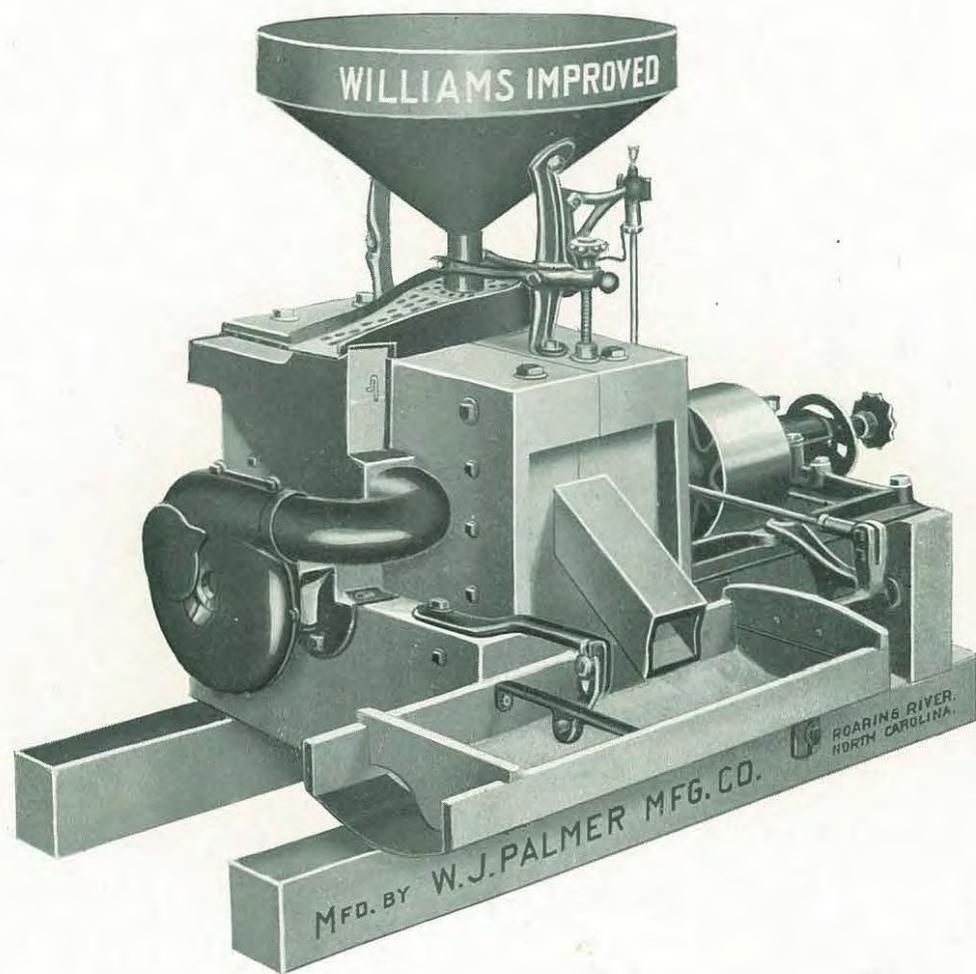
Don't take our word for it. Just see one in operation and be convinced.

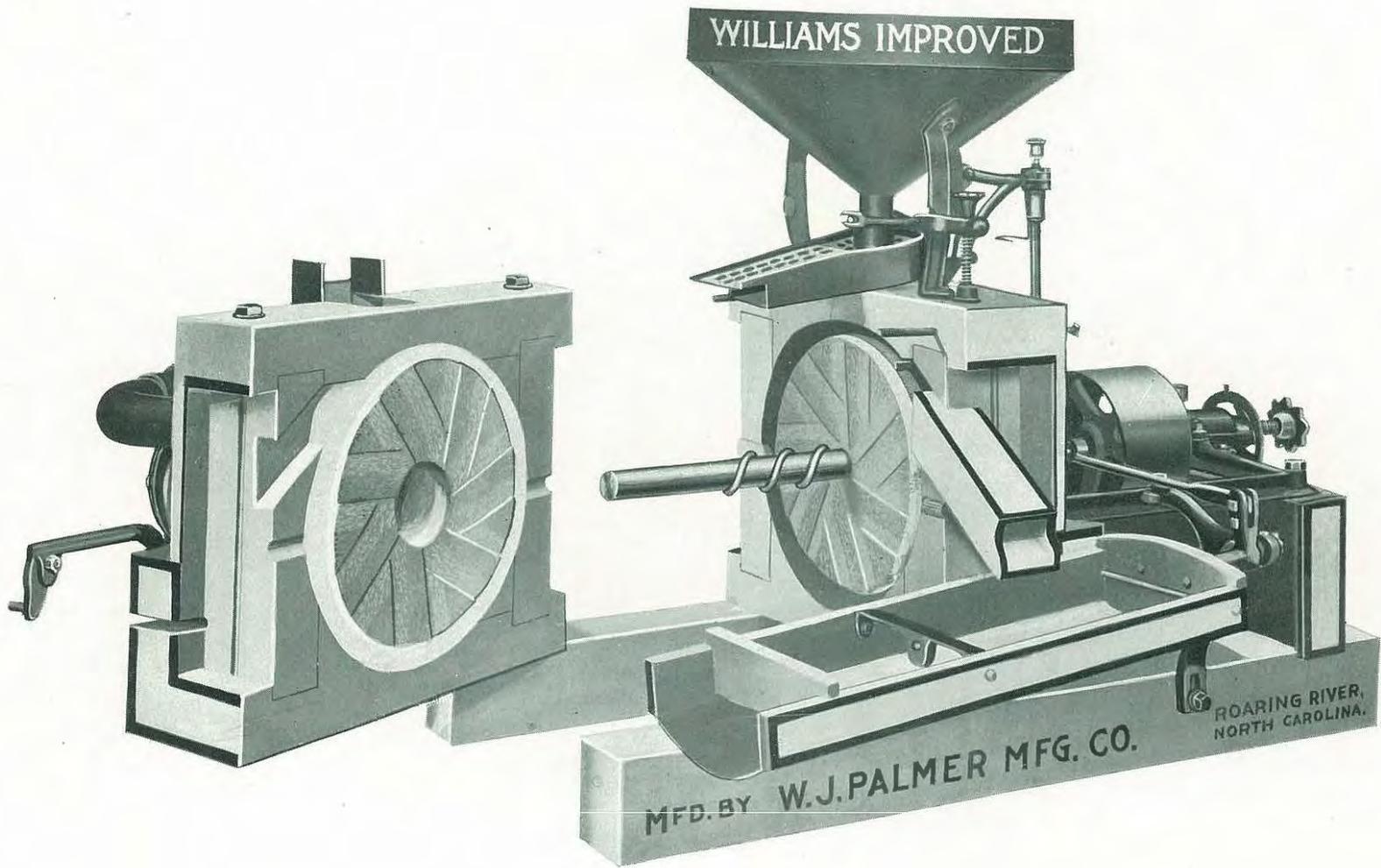
And the best of all is the price is right and in reach of every Farmer.

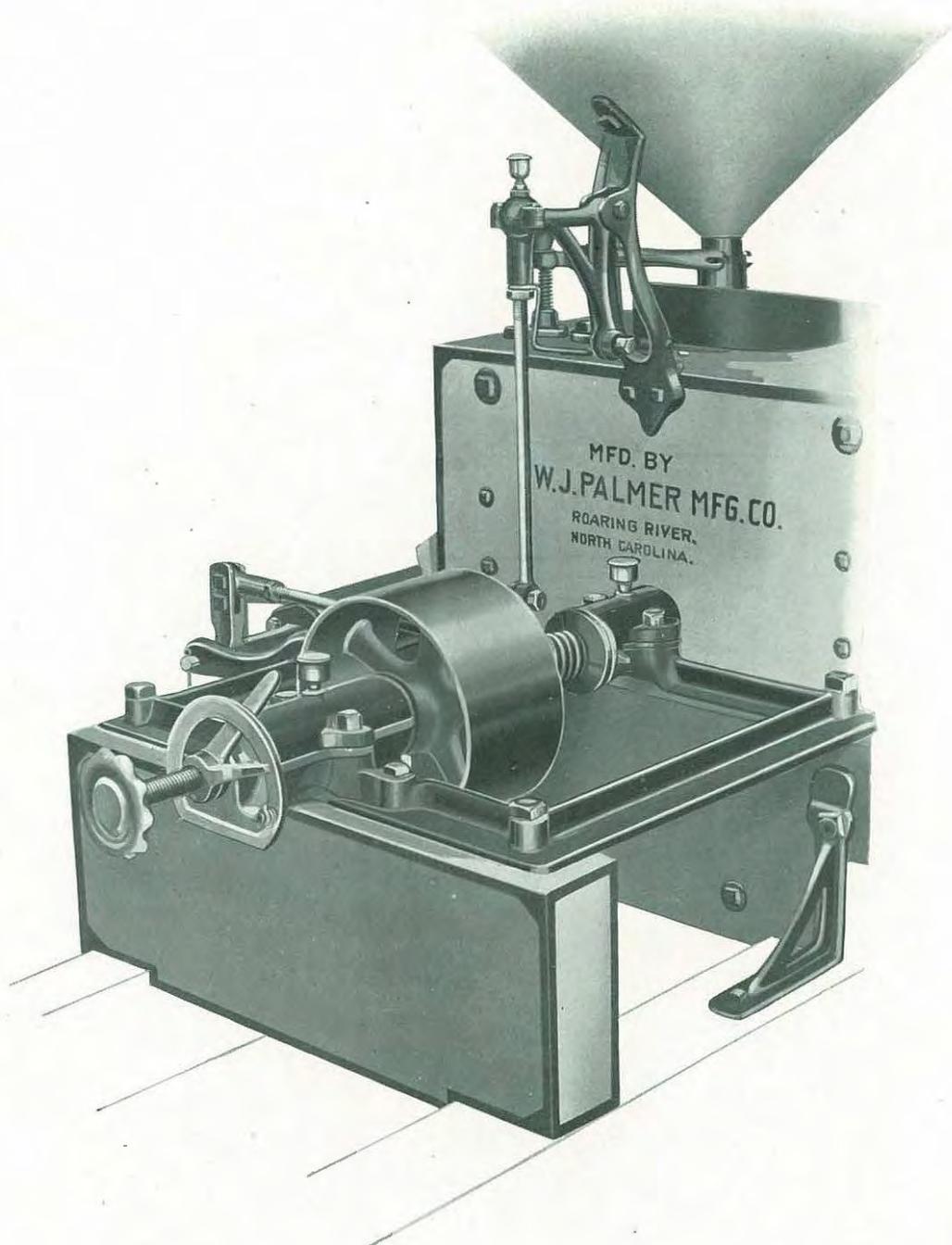
Specifications.

Size	Weight	Horse- power Required	Size Pulley	Speed	Capacity per hour	
					Meal Bu.	Chops Bu.
16"	700	5 to 7	10x6"	850	6 to 10	12 to 20
20"	1100	7 to 10	12x6"	750	8 to 12	16 to 25
24"	1400	10 to 15	14x6"	650	9 to 15	20 to 30

*W. J. Palmer Mfg. Co.,
Roaring River, N. C.*

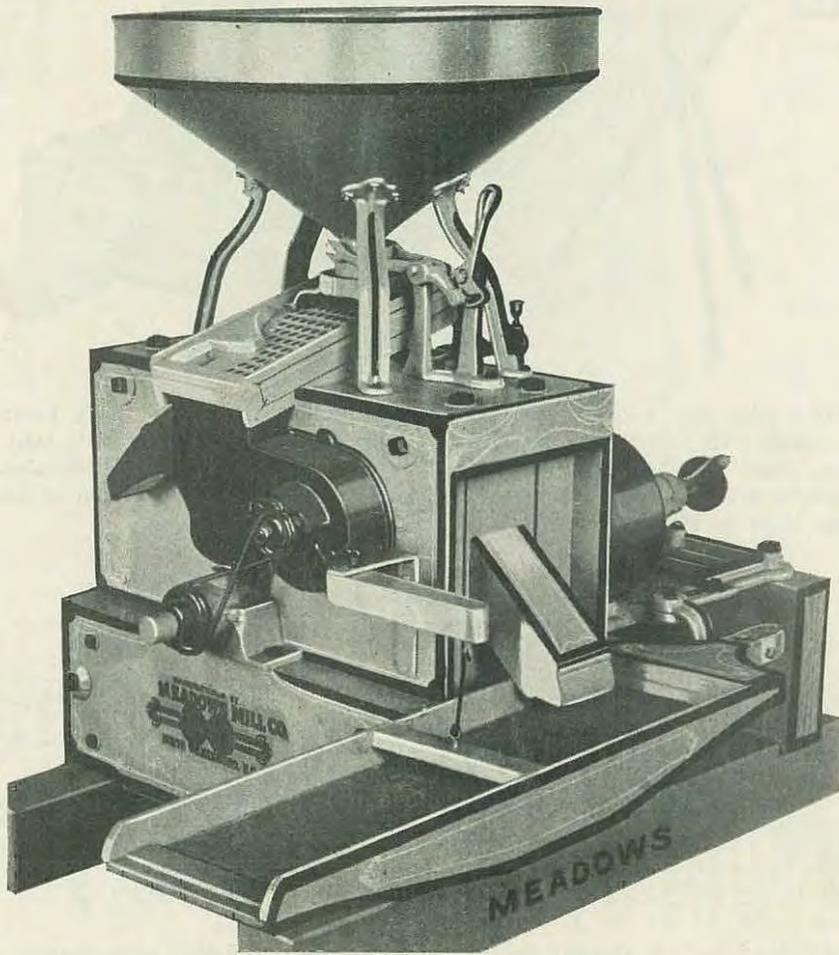






MFD. BY
W.J. PALMER MFG. CO.
ROARING RIVER,
NORTH CAROLINA.

Molinos a Muelas de Piedra "Meadows" y "Sterling"



VENDIDOS POR
INTERNATIONAL HARVESTER EXPORT COMPANY
(Incorporated)

CHICAGO

E. U. A.

Molino "Meadows" a Muelas de Piedra

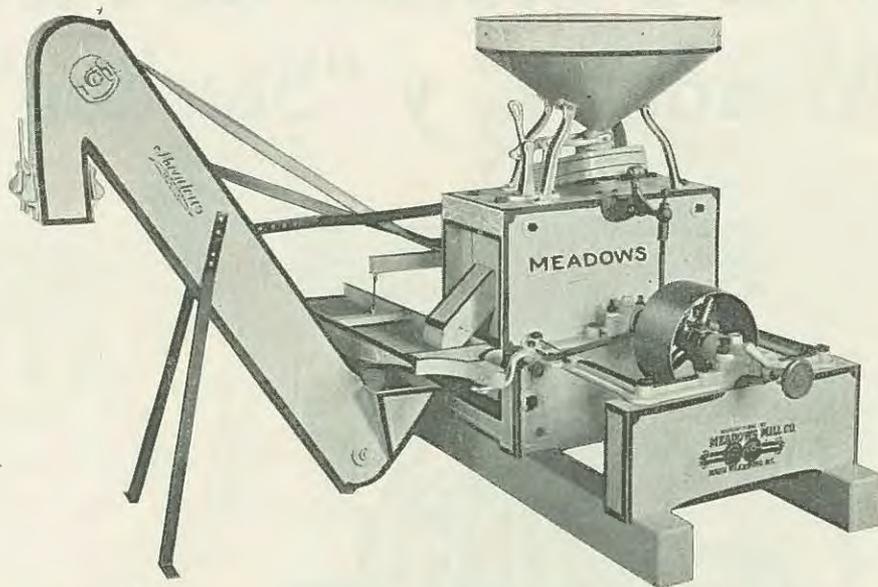


Ilustración No. 1—El último modelo del Molino "Meadows" para hacer sémola de maíz y harina de trigo. Este, (exceptuando el tamaño de 30-½ cm.), viene ahora completamente dotado con ventilador aventador de alta velocidad según se muestra en el grabado. Los molinos "Meadows" se fabrican en los cinco tamaños mostrados abajo.

Especificaciones de los Molinos Harineros "Meadows"

Tamaño	Velocidad Recomendada	Capacidad por hora (kilos)		Potencia Necesaria C. F.	Tamaño de la Polea normalmente suministrada	Tamaño del Eje Motor	Espacio que ocupa en el piso		Peso Neto (kilos)	Peso de Embarque encajonado para Exportar (kilos)	Volumen encajonado para Exportar Metrs. cúbts.
		Sémola Cernida	Sémola No Cernida				Longitud	Anchura			
305 mm.	800	47-95	98-147	3	101 x 203 mm.	36.5 mm.	1 m. 22	86 cm.	170	238	0.509
406 mm.	750	95-142	147-245	4 a 5	127 x 254 mm.	36.5 mm.	1 m. 37	91 cm.	284	363	0.852
508 mm.	700	118-189	196-295	6 a 8	152 x 305 mm.	43 mm.	1 m. 37	1 m. 07	375	465	1.132
609 mm.	650	142-284	295-442	8 a 10	152 x 355 mm.	49.2 mm.	1 m. 50	1 m. 19	493	627	1.433
762 mm.	550	236-473	442-614	15 a 20	203 x 508 mm.	49.2 mm.	1 m. 52	1 m. 32	664	865	2.

Los Molinos "Meadows" a Muelas de Piedra han sido diseñados especialmente para limpiar, moler y cernir maíz para sémola, y trigo u otros granos para harina. Se fabrican en cinco tamaños para satisfacer a todas necesidades, desde las del uso particular de chacras y estancias hasta las de grandes moliendas para el público. Las piedras moledoras están colocadas verticalmente y consumen el menos posible en potencia. Cada máquina está perfectamente contenida en si misma y va completa con todos accesorios para limpiar perfectamente el grano antes de molerlo; para echarlo al molino tan despacio o tan ligeramente como se desea; y para cernir el producto de la molienda. Un resorte de seguridad impide el rozamiento de las piedras la una contra la otra cuando el molino marcha vacío. Un mecanismo positivo de cerraje regula la fineza de la sémola o de la harina. Las muelas son de la mejor calidad de granito silíceo blanco. El molino puede ser desarmado con rapidez y facilidad para picar las muelas. Estos molinos son de manejo muy fácil y no se necesita experiencia ni habilidad para llegar a ser molinero próspero con un Molino "Meadows."

Molinos "Sterling" a Muelas de Piedra

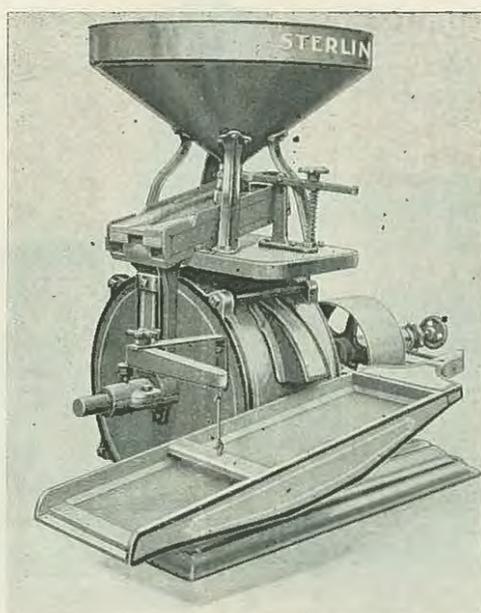


Ilustración No. 2—Mostrando el molino "Sterling", completo para el embarque, para moler sémola de maíz y hacer harina de trigo y otros granos.

Tamaños y Dimensiones de los Molinos "Sterling" de Granito Silíceo Blanco

Modelo No.	Muela		Dimensiones				Polea		Capacidad aprox. por hora (kilos)		Fuerza Necesaria (C. F.)	Empacado para Exportar		
	Tamaño	Longitud	Altura	Anchura	Velocidad R. P. M.	Cara	Diám.	Sémola fina chata	Sémola gruesa redonda	Peso Neto aprox. kilos		Peso Bruto aprox. kilos	Volumen Mets. cúbs.	
11	305 mm.	1 m.12	94 cm.	64 cm.	600	127 mm.	254 mm.	47- 95	95-142	2- 4	195	264	0.510	
12	406 mm.	1 m.19	1 m.14	69 cm.	600	127 mm.	254 mm.	95-142	142-236	4- 6	264	339	0.680	
13	508 mm.	1 m.32	1 m.27	76 cm.	550	152 mm.	305 mm.	118-189	189-284	6- 8	378	490	0.963	
14	610 mm.	1 m.37	1 m.37	86 cm.	500	152 mm.	356 mm.	142-284	284-425	10-15	500	590	1.13	

El molino "Sterling" es un molino todo de hierro de fundición y especialmente buscado en países tropicales donde los insectos comen la madera. El principio de la molienda y los característicos de la limpieza son los mismos que se hallan en el molino "Meadows" con excepción de que el ventilador aventador es un accesorio suplementario en el molino "Sterling". El ventilador aventador puede ser suministrado sobre pedido especial.

Cernidor de Semola "Meadows"

Para uso con molino "Meadows" o con cualquier otro de tipo vertical

Produce dos clases de Sémola de maíz de Fina Calidad

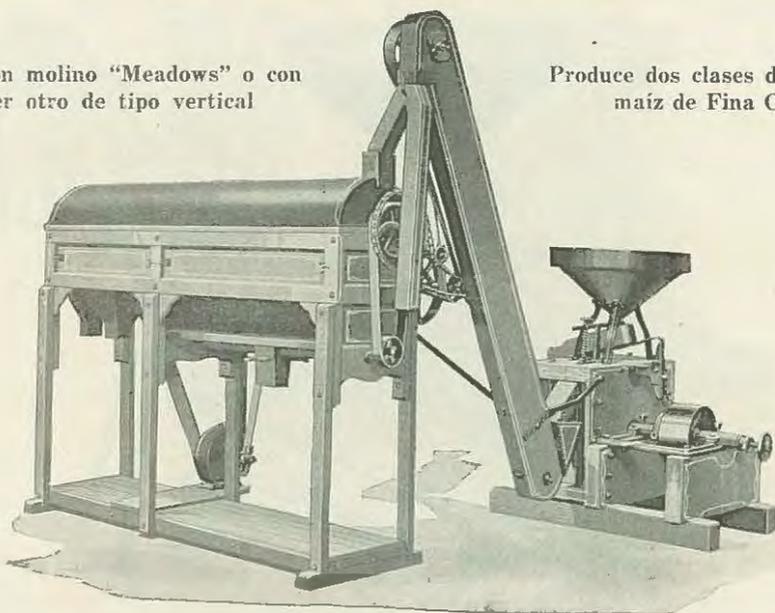


Ilustración No. 3—Vista de frente del cernidor de Sémola "Meadows"

Especificaciones de los Cernidores de Sémola "Meadows"

Estos pesos y medidas pertenecen a los cernidores solamente y no incluyen los molinos

Modelo No.	Para Uso con Molino de	DIMENSIONES			CARRETEL		Velocidad de Carretel R. P. M.	Fuerza Necesaria para Molino y Cernidor. C. V.	Capacidad por hora Maíz Desgranado (kilos)	Peso Neto (kilos)	Peso de Embarque Empacado para Exportar (kilos)	Volumen, Empacado para Exportar Méts. cúb.
		Longitud	Anchura	Altura	Diam.	Longitud						
1	305-406 mm.	1 m.68	406 mm.	1 m.37	254 mm.	1 m.37	50	4 a 6	204	148	364	2.12
2	508-610 mm.	1 m.98	457 mm.	1 m.37	305 mm.	1 m.68	45	10 a 12	305	164	386	2.83
3	762 mm.	2 m.44	559 mm.	1 m.52	406 mm.	2 m.13	40	15 a 20	382	227	454	3.25

Cernidor de Sémola "Meadows"

Ésta es la única máquina de precio módico que se halla en el mercado y que hace sémolas limpias y perfectamente clasificadas. El sistema limpiador, patentado, de succión, saca las finas partículas de salvado que de otro modo pasarían por la criba. La criba giratoria es accionada a baja velocidad desde una polea en el eje extendido del molino. El carretel es de forma hexagonal con seis varillas y cubierto con tela metálica de mallas de varios tamaños. La primera criba saca la sémola fina, la segunda la de fineza mediana y la tercera, la sémola gruesa. El salvado grueso pasa por el extremo del carretel al conducto del salvado. La sémola, a medida que cae de la criba en los conductos de descarga, pasa alrededor de los tubos de succión, y todo el salvado fino y todas las otras partículas livianas son sacadas y recogidas en el ciclón de metal. El resultado es un producto perfectamente limpiado y clasificado.

El Molino "Meadows" Para Harina Enteriza de Trigo

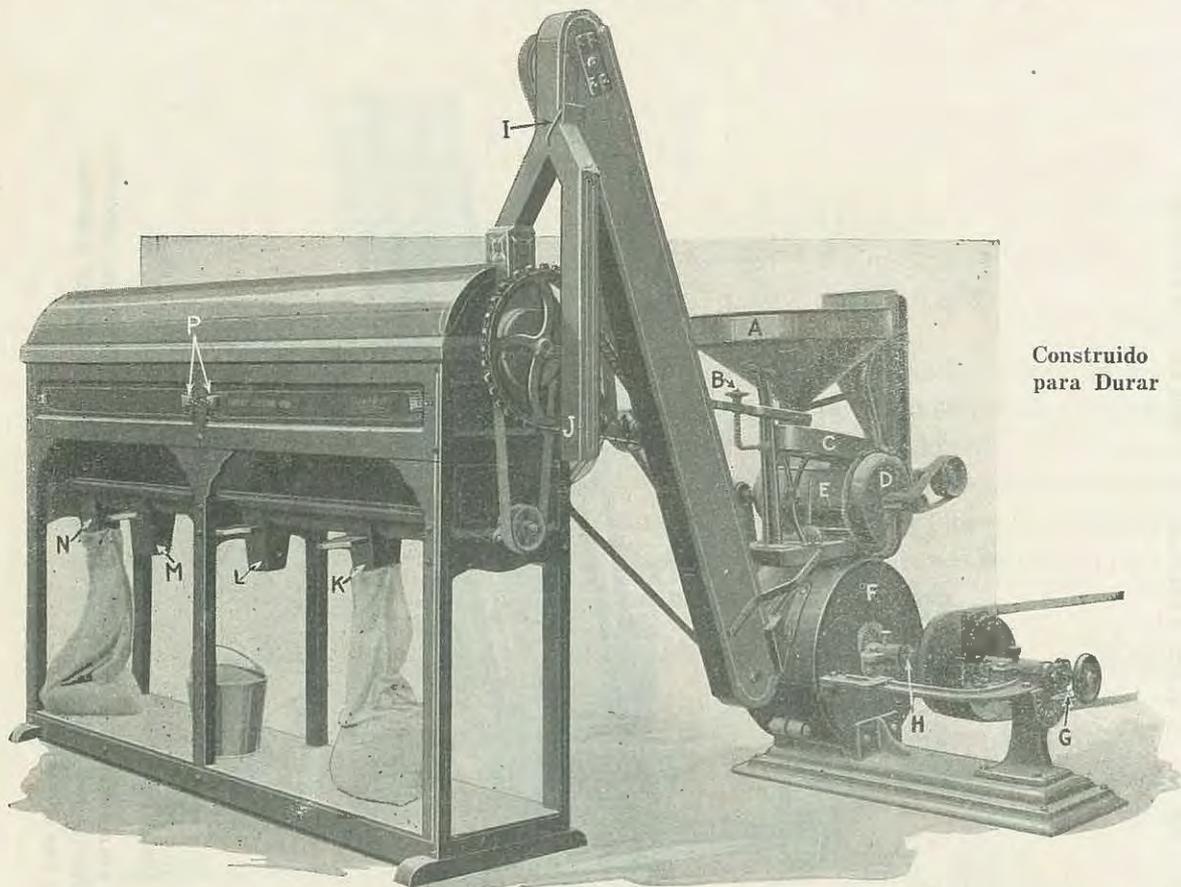


Ilustración No. 4—Molino "Meadows", completo, para hacer harina enteriza de trigo. A, es la tolva. B, es el regulador de la alimentación. C, el conducto de gorgojos. D, el ventilador aventador. E, el cilindro limpiador. F, el cilindro de las muelas. G, el indicador ajustador de las muelas. H, el resorte de seguridad. I, puerta para sacar harina enteriza. J, conducto de harina enteriza. K, salida de harina de primera. L, salida de harina de segunda clase. M, salida de los corazones del trigo. N, salida del salvado. P, botones para abrir los paneles del cernidor. El elevador es del tipo de arrastre por cadena sin fin.

Especificaciones del Molino "Meadows" para Harina Enteriza de Trigo

El molino "Meadows" para harina enteriza de trigo es enviado completo según se muestra en la ilustración. Fabricado en un tamaño solamente. Hace 90 kilos de harina enteriza de trigo por hora. Limpia y muele trigo, centeno y trigo sarraceno. Esta combinación consiste de un molino a muelas de piedra de 508 mm., con limpiador, elevador y cernidor y, completo, ocupa tan solo 12 metros cuadrados de espacio en el piso. El cernidor es del tipo de carretel giratorio cubierto de tejido de seda para cernidores.

Molino, longitud, 76 cm., altura, 1 m.52, anchura, 1 m.22.

Cernidor, longitud, 2 m.60, altura, 1 m.68, anchura, 61 cm.

Velocidad, 550 R. P. M.

Polea, diámetro, 305 mm., anchura, 152 mm.

Fuerza necesaria, 8 a 10 C. F.

Peso neto, 682 kilos.

Peso de embarque, (encajonado para exportar), 1045 kilos.

Volumen, (encajonado para exportar), 4.53 mets. cúbs.

Aserradero "Meadows Gold Medal" No. 1—Para Tractor y Fuerza Liviana

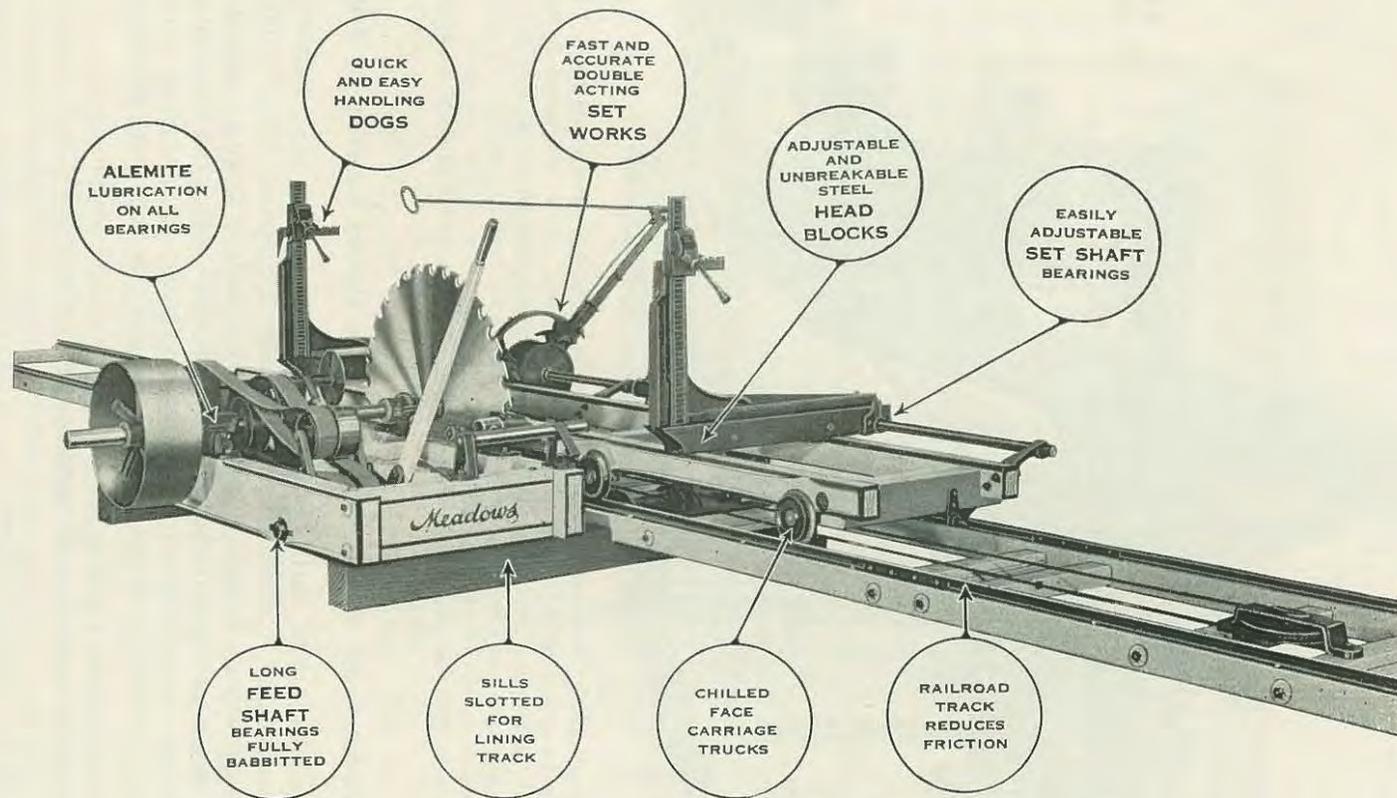


Ilustración No. 5

Los Aserraderos "Meadows" se suministran normalmente con dos cabezales. Sin embargo, estos son ajustables y pueden aproximarse uno a otro para aserrar durmientes o alejarse para maderos largos. Un cabezal suplementario puede agregarse en cualquier momento que sea si se desea.

Aserradero "Meadows Gold Medal"

Este aserradero, mostrado en la página 6, es una máquina portátil, liviana, hecha en secciones para ser fácilmente cambiada de lugar a otro. Es de construcción muy fuerte para resistir a trabajos muy pesados pero ha sido ideada especialmente para trabajos ligeros con tractor agrícola u otra pequeña fuente de potencia. Está hecha con un control de alimentación muy sensitivo y vivo; el mecanismo de avanza a la sierra y los grapones para sujetar los trozos funcionan con tanta facilidad y rapidez que se puede aserrar en un día una cantidad sorprendente de madera, aun con potencia liviana.

El precio incluye el banco de aserrar completo y listo para trabajar según se muestra en la ilustración No. 5, (Página 6), con excepción de la sierra. Podemos suministrar sierras de cualquier marca de ley a precios normales. Una polea motriz de tamaño apropiado para cualquier clase de motor será suministrada. Al hacer el pedido, mencione Vd. el diámetro y la anchura de la polea de su motor o tractor.

El carro mide 4 m.57 de largo. Los cabezales abren para recibir trozos hasta de 91 cm. de diámetro. La vía tiene 13 m.71 de largo y está hecha en secciones. Rieles de acero del tipo para ferrocarriles se usan. Podemos suministrar todos accesorios para bancos de aserrar tales como cabezales suplementarios, acarreadores de aserrín, etc.

Peso neto, aproximadamente 1360 kilos. Peso de embarque, encajonado para exportar, 1818 kilos. Volumen, encajonado para exportar, 4.8 mets. cúbs.

ASERRADORA DE LEÑA "FOREST KING" PARA TRACTORES

Principio de Desarme Rápido patentado en E. E. U. U. el 5 de agosto 1924

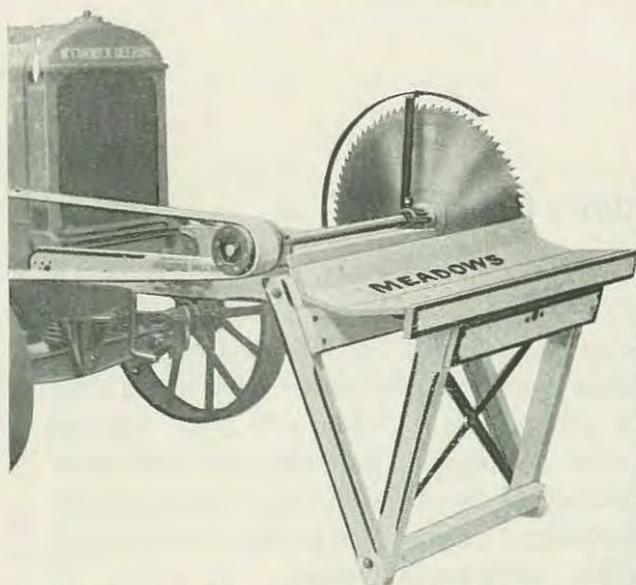


Ilustración No. 6—Aserradora de leña "Forest King", montada sobre Tractor de la International Harvester Company. Un equipo rápido y eficaz para aserrar leña.

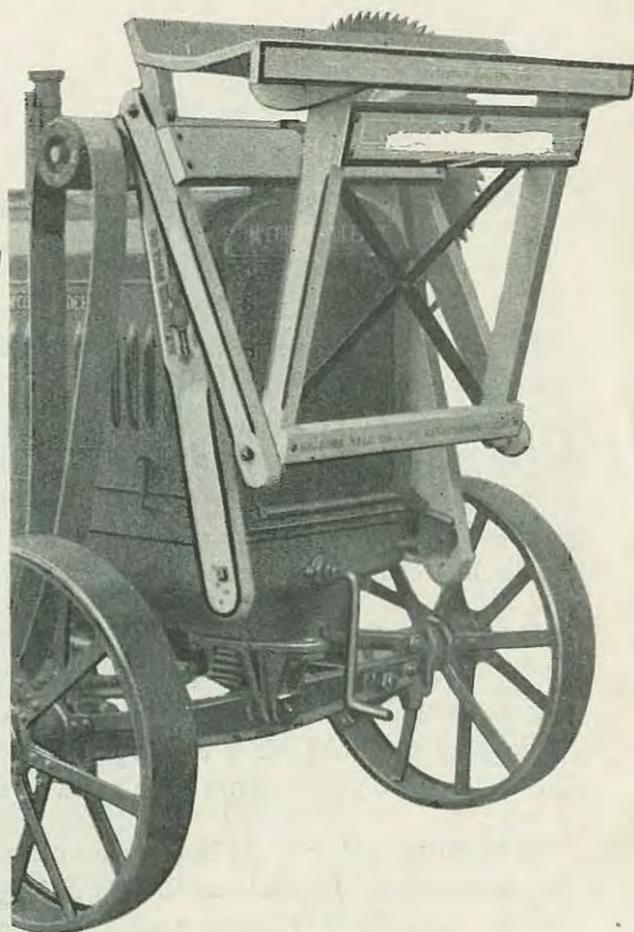


Ilustración No. 7

Ésta es una vista de cerca, mostrando como las agarraderas patentadas se colocan en el tractor y también mostrando la aserradora de leña "Forest King" levantada y lista para ser movida a otra tarea. Vd. puede dar manija al tractor con toda facilidad sin ninguna inconveniencia con equipo de este tipo, puesto que se repliega bastante para no estorbar. Con este equipo, Vd. puede también aserrar leña a destajo, para otros, con buenas utilidades.



Ilustración No. 8—Tractor de la International Harvester Company y aserradora de leña "Forest King" trabajando para aserrar la provision de leña para el invierno.

La DOTACION NORMAL incluye la aserradora de leña completa, según la ilustración, y comprende una sierra garantizada, de 76 cm. y una correa de goma especial de alta calidad cortada a la longitud exacta y acordonada. El equipo es completo y listo para trabajar.

LAS ASERRADORAS DE LEÑA "FOREST KING" se fabrican para los tractores "Fordson" y también para los tractores de 10-20 C. F. y de 15-20 C. F. de la International Harvester Company. Especificíquese con toda claridad, para el cual de estos tractores se precisa la sierra, porque, debido a diferencias en las dimensiones de los tractores, las aserradoras NO SON INTERCAMBIABLES. Es importante acordarse de esto al hacer los pedidos.

Catalogo No. 27 (Spanish) 2-10-30—5M. Printed in U. S. A.

ORDER REPAIRS EARLY AND AVOID DELAYS

INSTRUCTIONS
FOR SETTING AND OPERATING THE
STERLING
WHITE FLINT GRANITE
GRIST MILLS

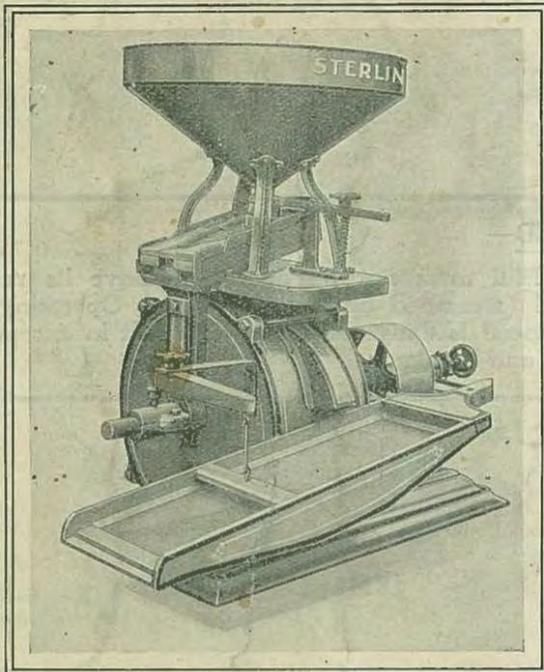


Illustration No. 1

WITH LIST AND ILLUSTRATIONS OF REPAIR PARTS

SOLD BY
INTERNATIONAL HARVESTER COMPANY
OF AMERICA
606 SO. MICHIGAN AVE. (INCORPORATED) CHICAGO, ILL.

SPEED—

Mill must not be operated above its rated speed (stencilled on side of mill). Operating at overspeed is dangerous and will result in excessive wear and breakage.

INSTRUCTIONS FOR SETTING UP

If meal box is to be used, place the mill on two sills, 6 x 6 inches and fasten it securely to the floor. If sacking or wagon elevator is used, the mill should rest on the floor.

Elevate left side of mill $\frac{1}{4}$ inch higher than side at thrust wheel; this assists the safety spring and insures the runner burr to always drift from the stationary burr.

Remove bolter agitator and thrust wheel from weevil spout agitator where they are tied securely for shipping. Screw in thrust wheel in end of long thrust bearing.

Remove tie wire from around the three springs about the shaft. First place rear pressure spring over a small projection on side of ball bearing container (No. 157), then slip bolter agitator spring over screw in end of bolter agitator, pressing in firmly until it slips into place over the projection on ball bearing container (No. 157), then screw in tapered bolt in holes provided in cast frame (No. 122), making it tight enough to take out the lost motion. If made too tight, it will run noisy.

LENGTH OF MAIN BELT. Distance, in inches, between center of mill shaft and center of engine shaft should be **eight times** the diameter of engine pulley, with diameter of the mill pulley added.

EXAMPLE: 20" pulley on engine.
Multiply by $\frac{8}{160''}$
add $\frac{12''}{172''}$ the diameter of pulley on 20" Meadows Mill
proper distance 172" between mill and engine shafts.

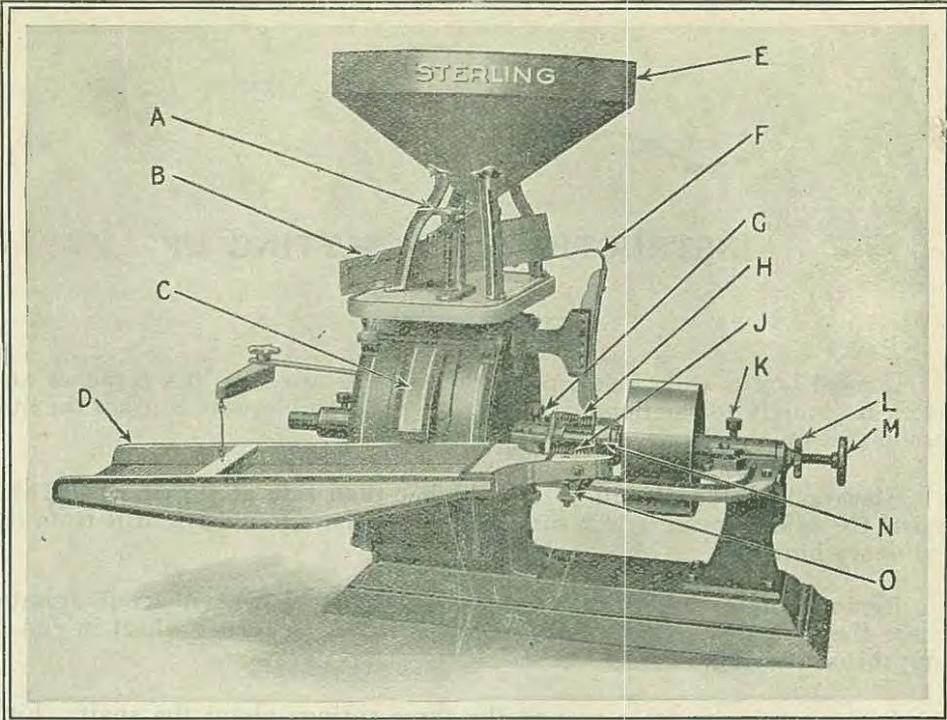
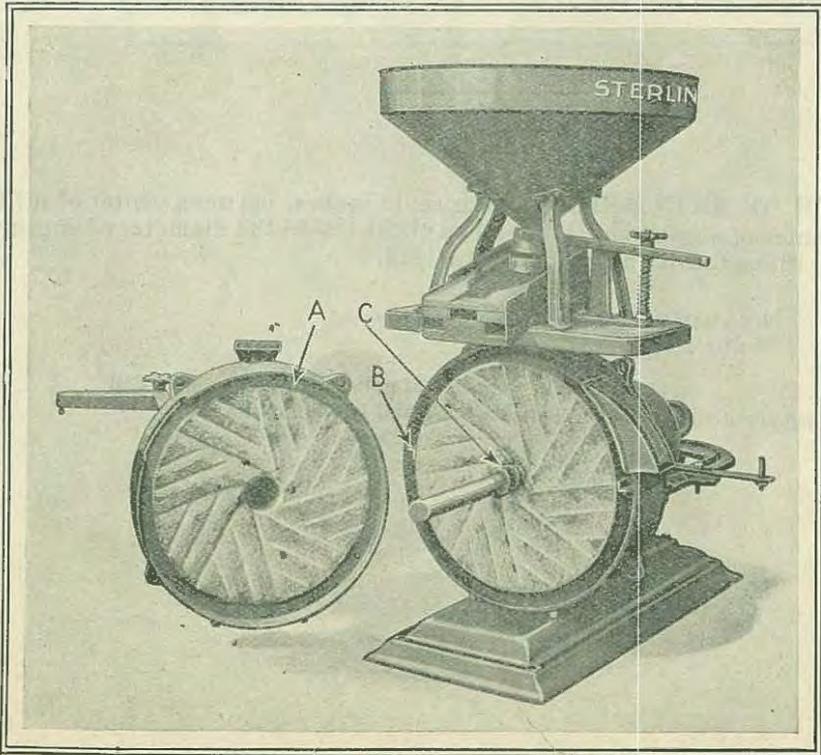


Illustration No. 2

- | | | |
|------------------|----------------------------------|---------------------------|
| A. Feed control. | F. Weevil spout agitator. | L. Jam nut. |
| B. Weevil spout. | G. Grease cup. | M. Thrust wheel. |
| C. Meal spout. | H. Weevil spout agitator spring. | N. Ball bearing wabblers. |
| D. Bolter. | J. Bolter agitator spring. | O. Bolter agitator. |
| E. Hopper. | K. Grease cup. | |



- A. Stationary burr.
- B. Fan.
- C. Force feed.

Illustration No. 3

OILING

Oil all bearings well before starting. If they heat, give them a little more oil and loosen the cap screws.

Oil the ball bearing wabblor which agitates the bolter and weevil spout, every fifteen minutes for the first half day's run.

INSTRUCTIONS FOR OPERATING

FEED CONTROL. To increase capacity turn hand wheel to right; to decrease capacity turn hand wheel to left.

WEEVIL SPOUT AGITATOR. To increase flow of grain move bolt down; to decrease flow of grain move bolt up.

AGITATOR SPRINGS. To increase tension of springs when they become weak, move wabblor toward center bearing.

THRUST WHEEL. For grinding fine or coarse meal, regulate the burrs by turning the thrust wheel at end of shaft. When properly adjusted, lock with jam nut.

BOLTER. To increase capacity of bolter, move pivot bolt nearer shaft. To decrease capacity of bolter, move pivot bolt away from shaft.

BOLTER AGITATOR is anchored with tapered bolt which automatically takes up wear.

BALL BEARING WABBLOR. Operates bolter and weevil spout. **OIL EVERY FIFTEEN MINUTES FOR FIRST HALF DAY'S RUN.**

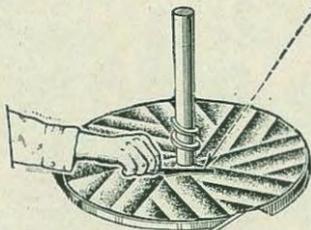
PULLEY. Run pulley toward spout—see arrow "run pulley" near center bearing on right side of frame.

Keep pulleys in perfect alignment; if belt runs to the inside of the pulley, it will draw the runner burr toward the stationary burr and cause them to run together when mill is running empty.

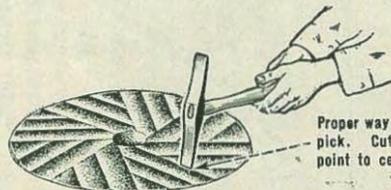
SPEED. See page 2.

SHOP NUMBER. When ordering repairs always give serial number of machine.

Correct way to use furrow gauge.
Projection should always extend
down into leading furrow.



Right half of mill turned on end for dressing.



Proper way to hold
pick. Cut should
point to center.

Place left half of mill on supports for convenience in dressing.

Illustration No. 4

CARE OF BURRS

INSTRUCTIONS FOR TAKING DOWN AND DRESSING THE BURRS

Remove clamp bolts that bind the burr housings together and pull stationary half of mill apart.

Place left half of mill on supports as shown in illustration No. 8, and turn right half on end for convenience of the miller.

Use the tapering gauge for laying off the furrows as shown in illustration No. 5 by thrusting down into the furrow and drawing a pencil mark on right side as shown by dark lines on the properly dressed burr.

The short gauge with projections on each side is to be used as shown in illustration, with each end resting on the surface, with the long projection resting down in the furrow at the center to give depth of same and the short projection for the depth at the rim.

For width and depth of furrows, see illustration No. 6 showing properly dressed burr.

Use pick, as shown in illustration No. 7, so that the cut will point to the center of the burr or parallel with the furrow.

Make a medium rough surface, or what some millers term a "calico" surface. If a coarse granulated meal is wanted, a rougher dress can be made, which will last longer, grind faster and cooler.

The furrow should be dressed rough for any kind of grinding as the grain is crushed in the furrows and therefore does two-thirds of the grinding.

Don't dress the face of the burrs and leave the dressing of the furrows for some future time. It is just as important that the furrows be dressed as it is that the surface. Only one-half the capacity can be expected when the burrs are only half dressed.

In setting up the mill, care should be taken to see that no meal is left between the housings. If this occurs, the bottom part of the mill will be spread and the burrs will be thrown out of line.

See that clamp bolts are drawn to about the same pressure.

Uneven meal denotes the fact that the burrs are out of line. Cracked grain coming out with the meal shows that the furrows are too deep at the rim. Don't make them deeper than one-sixteenth of an inch at this point.

A course dress will grind from 500 to 1,000 bushels, depending on how careful the operator is in running the mill. If the burrs are allowed to run together while the operator is pouring in grain or closing down, a dress cannot be expected to last long.

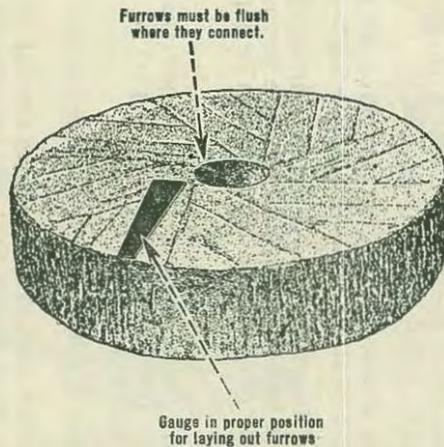


Illustration No. 5

Improperly dressed burr.

Note the narrow, shallow furrows not extending out to edge.

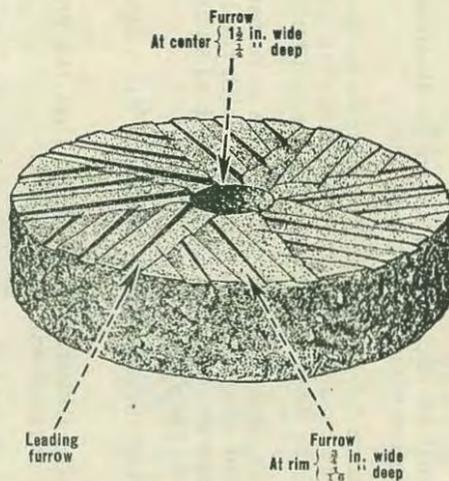


Illustration No. 6

Properly dressed burr.

Note the wide, deep furrows.

INSTRUCTIONS FOR TRAMMING THE BURRS

First see that all lost motion is taken up in the bearings, especially the thrust and center bearing. If there is lost motion in the bearings, the runner burr will conform to the stationary burr and it will show to be in line when it is not.

Get one-half gallon of dry sharp sand and start up mill, then turn up thrust wheel until the burrs are rubbing together lightly. Run through a handful of sand and listen at the burrs; if still rubbing, run another handful of sand through them. When they no longer rub together, turn up the thrust wheel again and grind more sand. Repeat this about three or four times, then take the mill down; if out of tram one side of the burr will be glazed. Pick off the glazed surface and put back up and grind more sand until the surface of the stationary burr is glazed all the way around; the burrs are then in perfect alignment.

Use the furrow gauges as set forth in the instructions for taking down and dressing the burrs and open them up as set forth in the illustration of the properly dressed burr. (See arrows, Illustration No. 6.)

Do not undertake to tram the burrs with the old style leveling board or to adjust the runner with the stationary burr by raising or lowering the bearings. This will get the bearings out of line and heating will be the result.

Don't dress the surface of the burrs to a concave at center—it will destroy the best part of the grinding surface, reduce the capacity and heat the meal. A concave is not necessary on a Sterling Mill.

Keep the burrs sharp. A mill is like any other tool, it works best when kept in good condition. It will grind with less power, consequently, the fuel will be less. A couple of hours spent dressing the burrs is less expensive than consuming a gallon or two of fuel more each day.

Furrow gauges will be found attached to the feed adjuster.

When ordering furrow gauges or any other parts, the size of mill must be given. Also give shop number of mill which is cut in frame above meal spout.

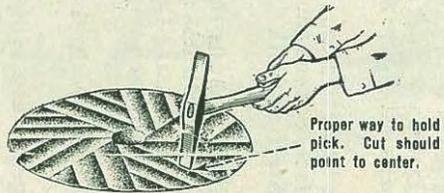


Illustration No. 7
Right way to handle pick.

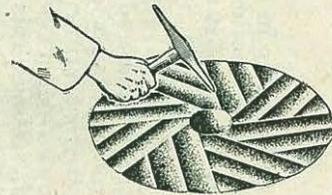


Illustration No. 8
Wrong way to handle pick.

PICKS

A high grade pick (No. 27) is furnished with each mill; it is polished, painted, and guaranteed. If it breaks or batters we will replace or retemper and prepay postage gratis, when we receive the defective pick, postage prepaid, for our inspection.

Dressing burrs once proves quality of pick.

Picks are tempered and tested on our burrs. We will not replace any pick if worked on by any blacksmith.

Every miller ought to have two picks to keep his mill burrs in good shape. Picks are cheaper than horse power. Keep your mill sharp and you will need less horse power. You will use less fuel (kerosene). Dull burrs grind slow, pull hard and make hot meal.

A cheap pick will do more damage to your burrs than a good one will cost, to say nothing of the time you lose and smith bills. Order one of our guaranteed picks today. They are tested on our burrs before shipping.

This booklet has been produced at considerable expense. Preserve it because you will need it in the future when ordering repairs. Futhermore, you may have to change millers some time, and it would be necessary for him to learn the instructions herein.

You will have trouble if anyone attempts to improve the dress of the burrs in any way. The most inexperienced person can operate a Sterling Mill by following the printed instructions.

LIST OF REPAIR PARTS FOR STERLING MILLS

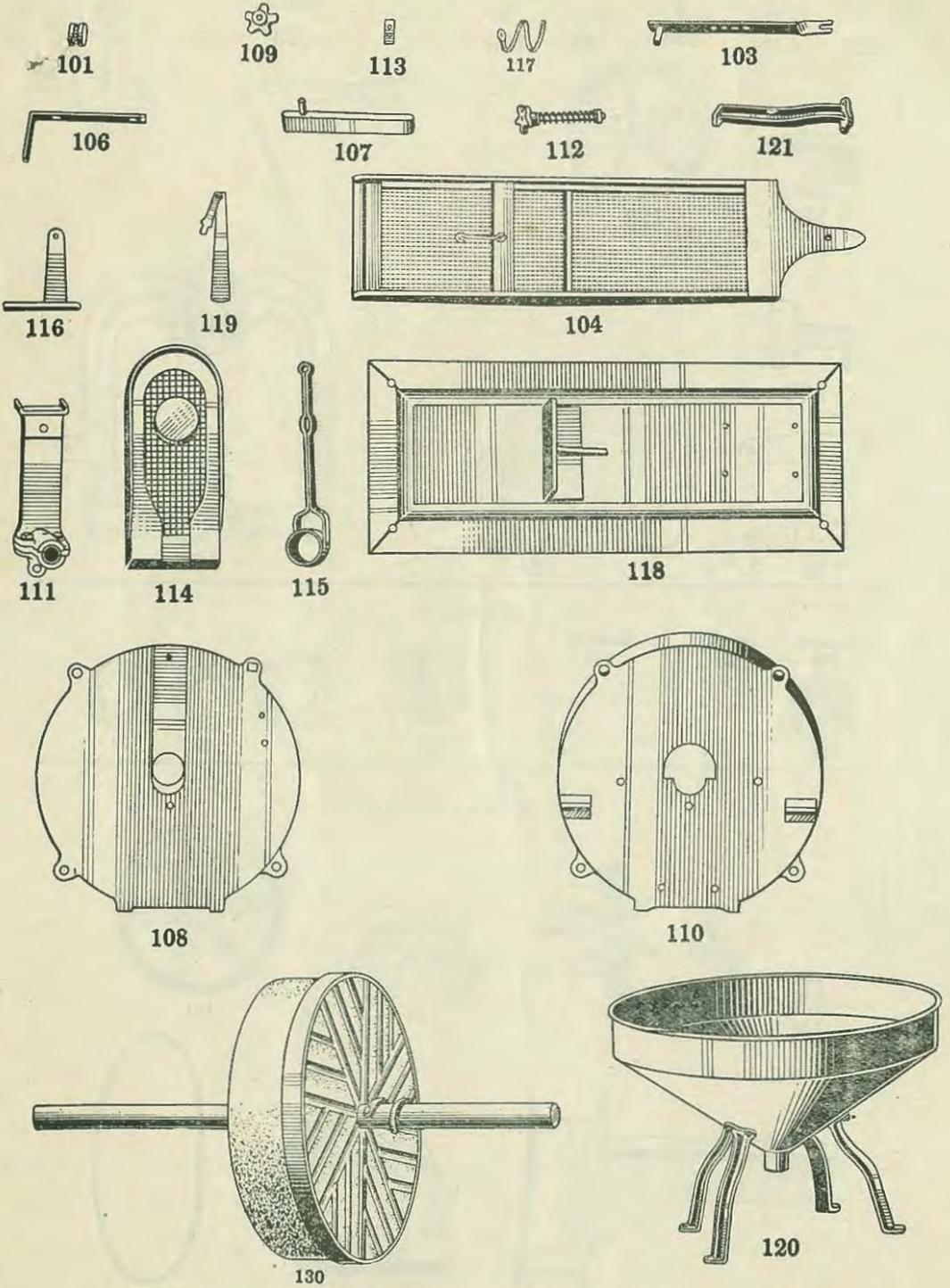
MADE IN THE FOLLOWING STYLES:

- No. 11—12"
- No. 12—16"
- No. 13—20"
- No. 14—24"

NAME OR DESCRIPTION	Cat. No.	NAME OR DESCRIPTION	Cat. No.
Ball thrust bearing	No. 101	Stud bolt for bolter agitator ..	No. 135
Bolter agitator or sifter lever ..	" 103	Metal socket for bolter head ..	" 136
Bolter, corn meal	" 104	Thrust wheel	" 137
Bolter bracket	" 106	Saddle for hopper base	" 139
Bolter hanger	" 107		
Left burr housing and bed stone ..	" 108	WABBLER	
Bolter jam nut	" 109	Bolter agitator spring	No. 153
Right burr housing	" 110	Weevil spout agitator spring ..	" 154
Corn conveyor spout with out- side bearing	" 111	Wabblor pressure spring	" 155
Feed adjuster with spring ..	" 112	Wabblor ring	" 156
Weevil spout bracket	" 113	Wabblor ball bearing container ..	" 157
Weevil spout with corn screen ..	" 114	Race for ball bearing wabblor ..	" 158
Feed lever and sleeve	" 115	Ball bearing for wabblor (re- tainer with balls only)	" 159
Feed lever fulcrum	" 116	Composition metal ring	" 162
Force feed	" 117	Center bearing cap with studs ..	" 163
Base	" 118	Wabblor, complete	" 180
Furrow gauge	" 119		
Hopper complete	" 120	HIGH SPEED FAN—Special	
Hopper support	" 121	Grain and air spout	No. 164
Yoke with head bearing	" 122	Fan with shaft	" 165
Jam nut for thrust wheel	" 123	Pulley on fan	" 166
Disc for ball bearing adjusting screw	" 124	Air shutter for fan	" 167
Meal spout	" 125	Fan bearing with oil cup	" 168
Oil or grease cup	" 126	Fan belt	" 169
Pulley	" 128	Fan case	" 170
Wood base for hopper	" 129	Drive pulley for fan	" 171
Runner burr with shaft, fur- rowed and banded	" 130	Cyclone	" 172
Weevil spout agitator	" 131	High speed fan, complete	" 181
Yoke support	" 132		
Weevil spout agitator hanger ..	" 133		

ORDER REPAIRS EARLY

When ordering parts, give style and size of mill, number and name of piece, also shop number which is cut in frame above meal spout.



 Don't order parts from the illustrations only; refer to the list also.



123



124



126



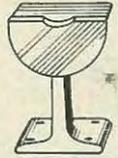
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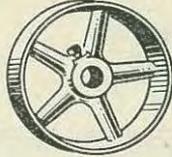
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132



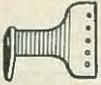
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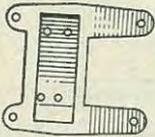
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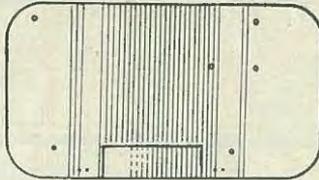
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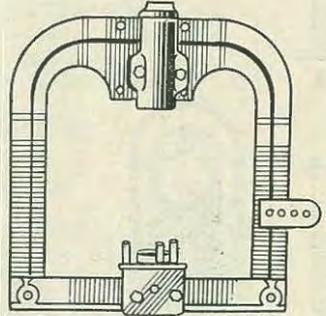
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129



122

WABBLER



154



153



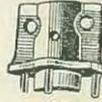
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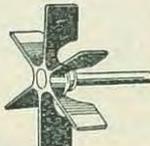
HIGH SPEED FAN—Special



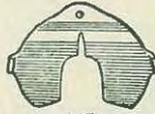
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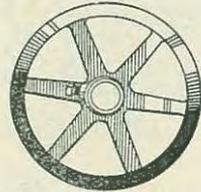
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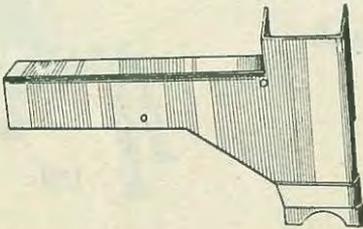
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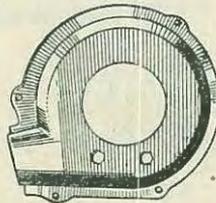
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169

☞ Don't order parts from the illustrations only; refer to the list also.

➤ PRESERVE THIS PAMPHLET ➤

INSTRUCTIONS

FOR SETTING UP AND OPERATING THE

MEADOWS

WHITE FLINT GRANITE

GRIST MILLS

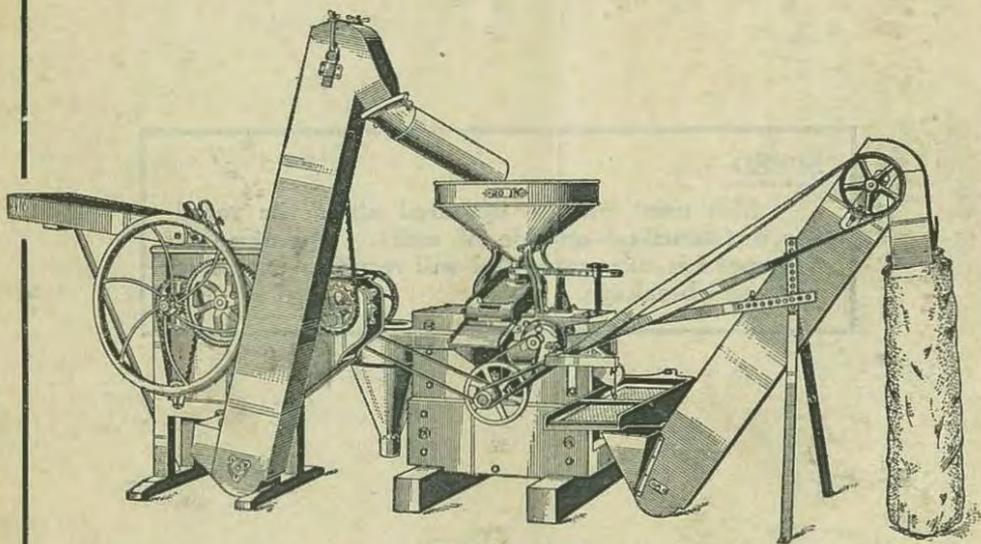


Illustration No. 1

Meadows Mill with Fan, Cyclone Collector, Sacking Elevator and Two-Hole
McCormick-Deering XL Corn Sheller

WITH PRICE LIST AND ILLUSTRATIONS OF REPAIR PARTS

➤ ORDER REPAIRS EARLY TO AVOID DELAYS ➤

SOLD BY

INTERNATIONAL HARVESTER COMPANY

606 SO. MICHIGAN AVE.

OF AMERICA
(INCORPORATED)

CHICAGO, ILL.

INSTRUCTIONS
FOR SETTING UP AND OPERATING THE
MEADOWS
WHITE FLINT GRANITE
GRIST MILLS

SPEED—

Mill must not be operated above its rated speed (stencilled on side of mill). Operating at overspeed is dangerous and will result in excessive wear and breakage.

INSTRUCTIONS FOR SETTING UP

If meal box is to be used, place the mill on two sills, 6 x 6 inches and fasten it securely to the floor. If sacking or wagon elevator is used, the mill should rest on the floor.

Elevate left side of mill $\frac{1}{4}$ inch higher than side at thrust wheel; this assists the safety spring and insures the runner burr to always drift from the stationary burr.

Remove bolter agitator and thrust wheel from weevil spout agitator where they are tied securely for shipping. Screw in thrust wheel in end of long thrust bearing.

Remove tie wire from around the three springs about the shaft. First place rear pressure spring over a small projection on side of ball bearing container (No. 57), then slip bolter agitator spring over screw in end of bolter agitator, pressing in firmly until it slips into place over the projection on ball bearing container (No. 57), then screw in tapered bolt in holes provided in cast frame (No. 22), making it tight enough to take out the lost motion. If made too tight, it will run noisy.

LENGTH OF MAIN BELT. Distance, in inches, between center of mill shaft and center of engine shaft should be **eight times** the diameter of engine pulley, with diameter of the mill pulley added.

EXAMPLE: 20" pulley on engine.
Multiply by $\frac{8}{160}$
add 12" the diameter of pulley on 20" Meadows Mill
proper distance $\frac{172}{}$ between mill and engine shafts.

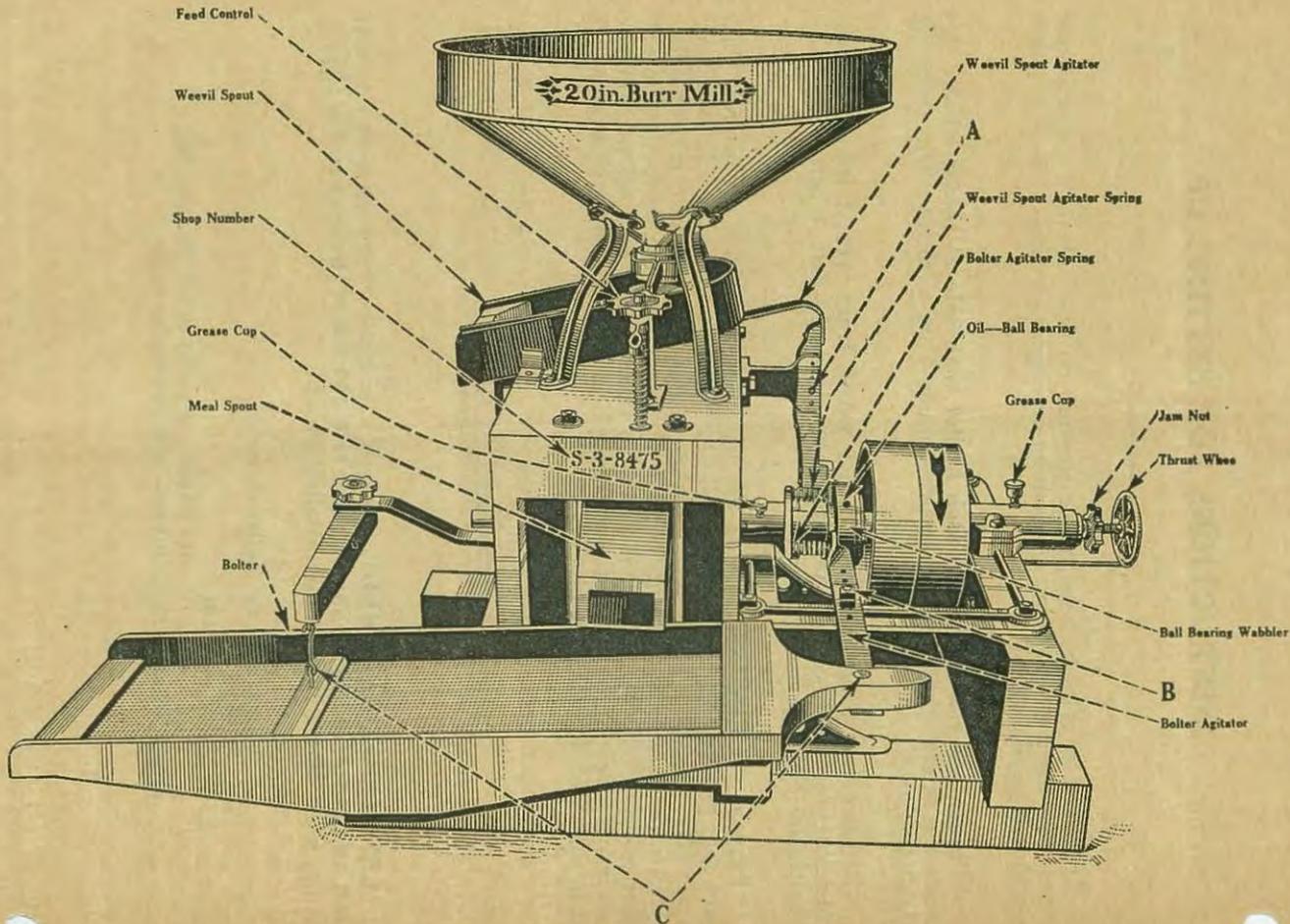


Illustration No. 2—Front view of mill.

OILING

Oil all bearings well before starting. If they heat, give them a little more oil and loosen the cap screws.

Oil the ball bearing wabblers which agitate the bolter and weevil spout, every fifteen minutes for the first half day's run.

INSTRUCTIONS FOR OPERATING

FEED CONTROL. To increase capacity turn hand wheel to right; to decrease capacity turn hand wheel to left.

WEEVIL SPOUT AGITATOR. To increase flow of grain move bolt "A" down; to decrease flow of grain move bolt "A" up.

AGITATOR SPRINGS. To increase tension of springs when they become weak, move wabblers toward center bearing.

THRUST WHEEL. For grinding fine or coarse meal, regulate the burrs by turning the thrust wheel at end of shaft. When properly adjusted, lock with jam nut.

BOLTER. To increase capacity of bolter, move pivot bolt "B" nearer shaft. To decrease capacity of bolter, move pivot bolt "B" away from shaft.

BOLTER AGITATOR is anchored with tapered bolt which automatically takes up wear.

BALL BEARING WABBLER. Operates bolter and weevil spout. **OIL EVERY FIFTEEN MINUTES FOR FIRST HALF DAY'S RUN.**

PULLEY. Run pulley toward spout—see arrow "run pulley" near center bearing on right side of frame.

Keep pulleys in perfect alignment; if belt runs to the inside of the pulley, it will draw the runner burr toward the stationary burr and cause them to run together when mill is running empty.

SPEED. See page 2.

SHOP NUMBER. When ordering repairs always give serial number of machine.

9

Correct way to use furrow gauge.
Projection should always extend
down into leading furrow.

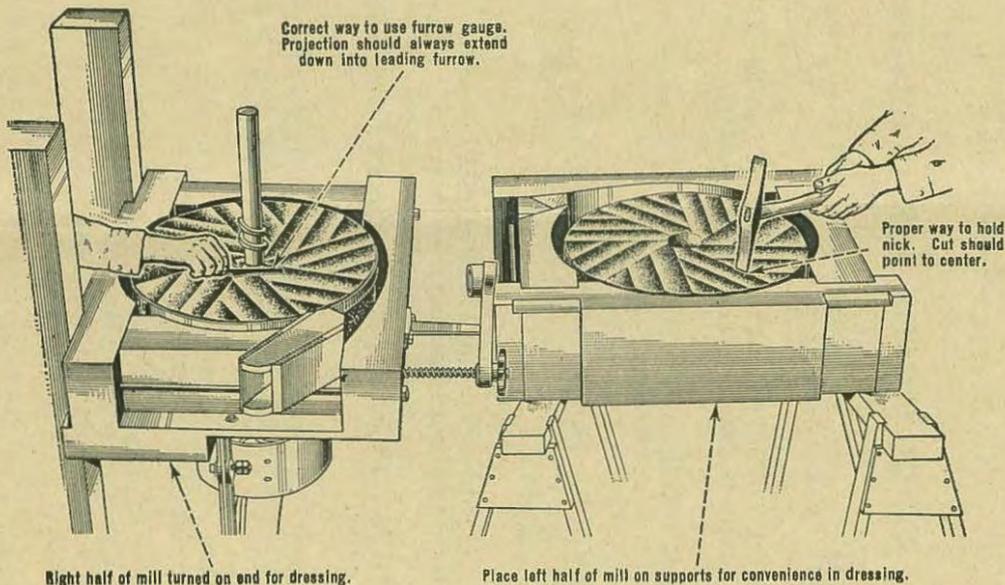


Illustration No. 3

CARE OF BURRS

INSTRUCTIONS FOR TAKING DOWN AND DRESSING THE BURRS

Remove the hopper, weevil spout and bolter and take out the clamp bolts (see arrow stenciled on side of main frame).

Place left half of mill on supports as shown in illustration No. 3, and turn right half on end for convenience of the miller.

Use the tapering gauge for laying off the furrows as shown in illustration by thrusting down into the furrow and drawing a pencil mark on right side as shown by dark lines on the properly dressed burr.

The short gauge with projections on each side is to be used as shown in illustration, with each end resting on the surface, with the long projection resting down in the furrow at the center to give depth of same and the short projection for the depth at the rim.

For width and depth of furrows, see illustration No. 5 showing properly dressed burr.

Use pick, as shown in illustration No. 3, so that the cut will point to the center of the burr or parallel with the furrow.

Make a medium rough surface, or what some millers term a "calico" surface. If a coarse granulated meal is wanted, a rougher dress can be made, which will last longer, grind faster and cooler.

The furrow should be dressed rough for any kind of grinding as the grain is crushed in the furrows and therefore does two-thirds of the grinding.

Don't dress the face of the burrs and leave the dressing of the furrows for some future time. It is just as important that the furrows be dressed as it is that the surface. Only one-half the capacity can be expected when the burrs are only half dressed.

In setting up the mill, care should be taken to see that no meal is allowed to fall on the sills. If this occurs, the bottom part of the mill will be spread and the burrs will be thrown out of line.

Don't draw the clamp bolts so tight that the washers will be pressed into the wood. See that all bolts are drawn to about the same pressure.

Uneven meal denotes the fact that the burrs are out of line. Cracked grain coming out with the meal shows that the furrows are too deep at the rim. Don't make them deeper than one-sixteenth of an inch at this point.

A course dress will grind from 500 to 1,000 bushels, depending on how careful the operator is in running the mill. If the burrs are allowed to run together while the operator is pouring in grain or closing down, a dress cannot be expected to last long.

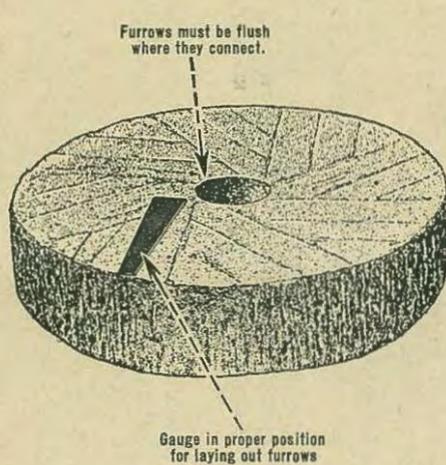


Illustration No. 4

Improperly dressed burr.
Note the narrow, shallow furrows not extending out to edge.

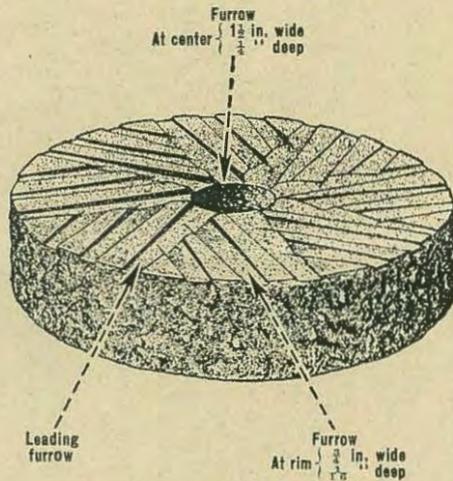


Illustration No. 5

Properly dressed burr.
Note the wide, deep furrows.

INSTRUCTIONS FOR TRAMMING THE BURRS

First see that all lost motion is taken up in the bearings, especially the thrust and center bearing. If there is lost motion in the bearings, the runner burr will conform to the stationary burr and it will show to be in line when it is not.

Get one-half gallon of dry sharp sand and start up mill, then turn up thrust wheel until the burrs are rubbing together lightly. Run through a handful of sand and listen at the burrs; if still rubbing, run another handful of sand through them. When they no longer rub together, turn up the thrust wheel again and grind more sand. Repeat this about three or four times, then take the mill down; if out of tram one side of the burr will be glazed. Pick off the glazed surface and put back up and grind more sand until the surface of the stationary burr is glazed all the way around; the burrs are then in perfect alignment.

Use the furrow gauges as set forth in the instructions for taking down and dressing the burrs and open them up as set forth in the illustration of the properly dressed burr. (See arrows, Illustration No. 5.)

Do not undertake to tram the burrs with the old style leveling board or to adjust the runner with the stationary burr by raising or lowering the bearings. This will get the bearings out of line and heating will be the result.

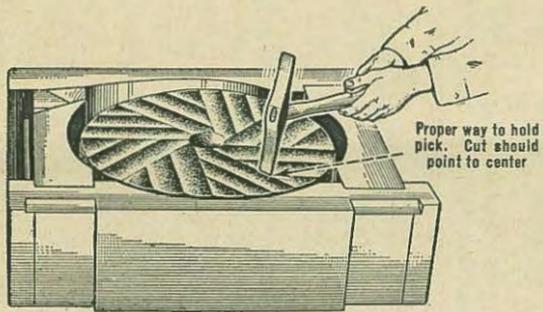
Don't dress the surface of the burrs to a concave at center—it will destroy the best part of the grinding surface, reduce the capacity and heat the meal. A concave is not necessary on a Meadows Mill.

Keep the burrs sharp. A mill is like any other tool, it works best when kept in good condition. It will grind with less power, consequently, the fuel will be less. A couple of hours spent dressing the burrs is less expensive than consuming a gallon or two of fuel more each day.

Furrow gauges will be found attached to the feed adjuster.

When ordering furrow gauges or any other parts, the size of mill must be given. Also give shop number of mill which is cut in frame above meal spout.

Order all repair parts through the nearest Branch House of the International Harvester Company of America. They are kept in stock and your order will be filled promptly. (See page 24.)



Proper way to hold pick. Cut should point to center

Illustration No. 6
Right way to handle pick

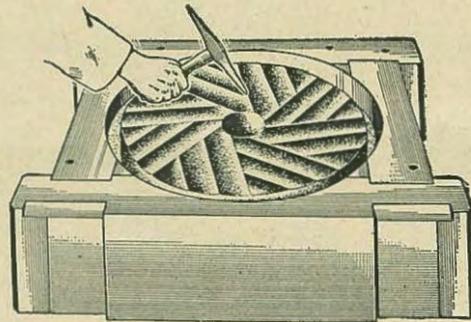


Illustration No. 7
Wrong way to handle pick

MEADOWS MILL PICKS

We manufacture two styles of Meadows Mill picks that are satisfying the most exacting customers. One is a high grade, high priced pick (No. 27), polished, painted, and guaranteed. If it breaks or batters we will replace or retemper and prepay postage gratis, when we receive the defective pick, postage prepaid, for our inspection.

Dressing burrs once proves quality of pick.

No. 83 is a high grade, low priced pick, but is not guaranteed. It is lighter than the high priced pick, finished with the hammer, made of the same high grade steel, and used exclusively by workmen in our factory.

Picks are tempered and tested on our burrs, and **Meadows trade-mark** is stamped into the steel of both. We will not replace any pick if worked on by any blacksmith.

Every miller ought to have two picks to keep his mill burrs in good shape. Picks are cheaper than horse power. Keep your mill sharp and you will need less horse power. You will use less fuel (kerosene). Dull burrs grind slow, pull hard and make hot meal.

A cheap pick will do more damage to your burrs than a good one will cost, to say nothing of the time you lose and smith bills. Order two of our guaranteed picks today. They are tested on our burrs before shipping.

This booklet has been produced at considerable expense. **Preserve it** because you will need it in the future when ordering repairs. Futhermore, you may have to change millers some time, and it would be necessary for him to learn the instructions herein.

You will have trouble if anyone attempts to improve the dress of the burrs in any way. The most inexperienced person can operate a Meadows Mill by following the printed instructions.

This illustration shows proper installations of a Meadows Mill with sacking elevator, and two-hole McCormick-Deering XL corn sheller, equipped with special elevator with turn head. The sheller and special elevator are driven from the mill shaft. This is the most convenient outfit on the market, and can be operated with a minimum amount of power.

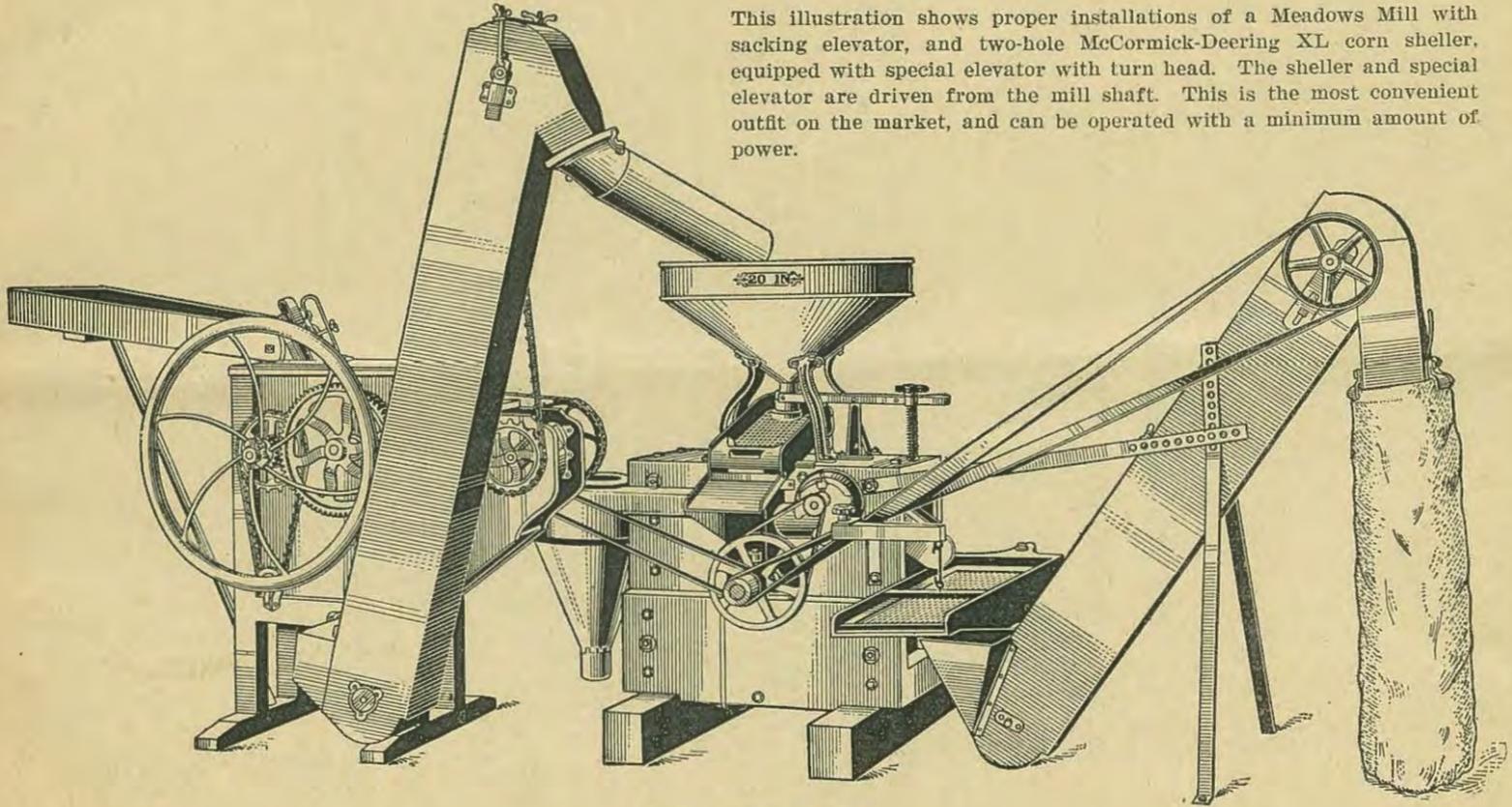


Illustration No. 8

PRICE LIST OF REPAIR PARTS

(Supersedes all other price lists)

Prices in this list are for the United States only and do not include freight or duty.

Catalog No.	List Price	Name or Description	Mill used on and years used				
			Style No. 1	Style No. 2	Style No. 3	Style No. 4	Style No. 5
			12"	16"	20"	24"	30"
S1-1	\$ 2 25	Ball thrust bearing	06	06			
S3-1	2 50	Ball thrust bearing			03	03	
S5-1	3 25	Ball thrust bearing					06
S1-2	12 85	Bed stone, faced and furrowed	06				
S2-2	15 85	Bed stone, faced and furrowed		03			
S3-2	23 75	Bed stone, faced and furrowed			06		
S4-2	28 70	Bed stone, faced and furrowed				05	
S5-2	34 90	Bed stone, faced and furrowed					06
S1-3	1 90	Bolter agitator or sifter lever	06-17				
S2-3	2 10	Bolter agitator or sifter lever		06-17			
S3-3	2 45	Bolter agitator or sifter lever			06-17		
S4-3	3 20	Bolter agitator or sifter lever				06-17	
S5-3	3 70	Bolter agitator or sifter lever					06-17
S1-4	3 70	Bolter, corn meal	06	06			
S3-4	4 75	Bolter, corn meal			06	06	
S5-4	5 95	Bolter, corn meal					06
S1-6	70	Bolter bracket	06	06	06	06	
S5-6	1 00	Bolter bracket					06
S1-7	65	Bolter hanger	06	06			
S3-7	80	Bolter hanger			06	06	
S5-7	1 15	Bolter hanger					06
S1-8	30	Bolter spring	06	06			
S3-8	40	Bolter spring			06	06	
S5-8	45	Bolter spring					06
S1-9	50	Bolter jam nut	06	06	06	06	06
S1-10	15	Corn conveyor bracket	06	06	06	06	06
S1-11	50	Corn conveyor spout	06				
S2-11	55	Corn conveyor spout		06			
S3-11	60	Corn conveyor spout			06		
S4-11	80	Corn conveyor spout				06	
S5-11	95	Corn conveyor spout					06
S1-12	1 10	Feed adjuster	06	06			
S3-12	1 15	Feed adjuster			06	06	06
S1-13	15	Weevil spout bracket	06	06	06	06	06
S1-14	5 65	Weevil spout with corn screen	10	10			
S3-14	6 45	Weevil spout with corn screen			10	10	
S5-14	9 90	Weevil spout with corn screen					10
S1-15	1 55	Feed lever and sleeve	06				
S2-15	1 80	Feed lever and sleeve		06			
S3-15	2 00	Feed lever and sleeve			06	06	
S5-15	3 05	Feed lever and sleeve					06
S1-16	50	Feed lever fulcrum	06	06			
S3-16	60	Feed lever fulcrum			06	06	06
S1-17	50	Force feed	06	06			
S3-17	60	Force feed			06	06	
S5-17	90	Force feed					06
S1-18	65	Frame brace	06	06			
S3-18	75	Frame brace			06	06	06
S1-19	20	Furrow gauge	06	06	06	06	06
S1-20	7 15	Hopper, complete	06	06			
S3-20	7 90	Hopper, complete			06	06	06
S1-21	65	Hopper leg	06	06			
S3-21	80	Hopper leg			06	06	06
S1-22	6 15	Frame with journals babbitted	09				
S2-22	7 10	Frame with journals babbitted		09			
S3-22	7 90	Frame with journals babbitted			09	09	

ORDER REPAIRS EARLY

When ordering parts, give style and size of mill, number and name of piece, also shop number which is cut in frame above meal spout (see illustration No. 2).

All branch houses carry duplicate parts. See page 24 for nearest branch. Order repairs from the nearest I H C dealer or Branch House.

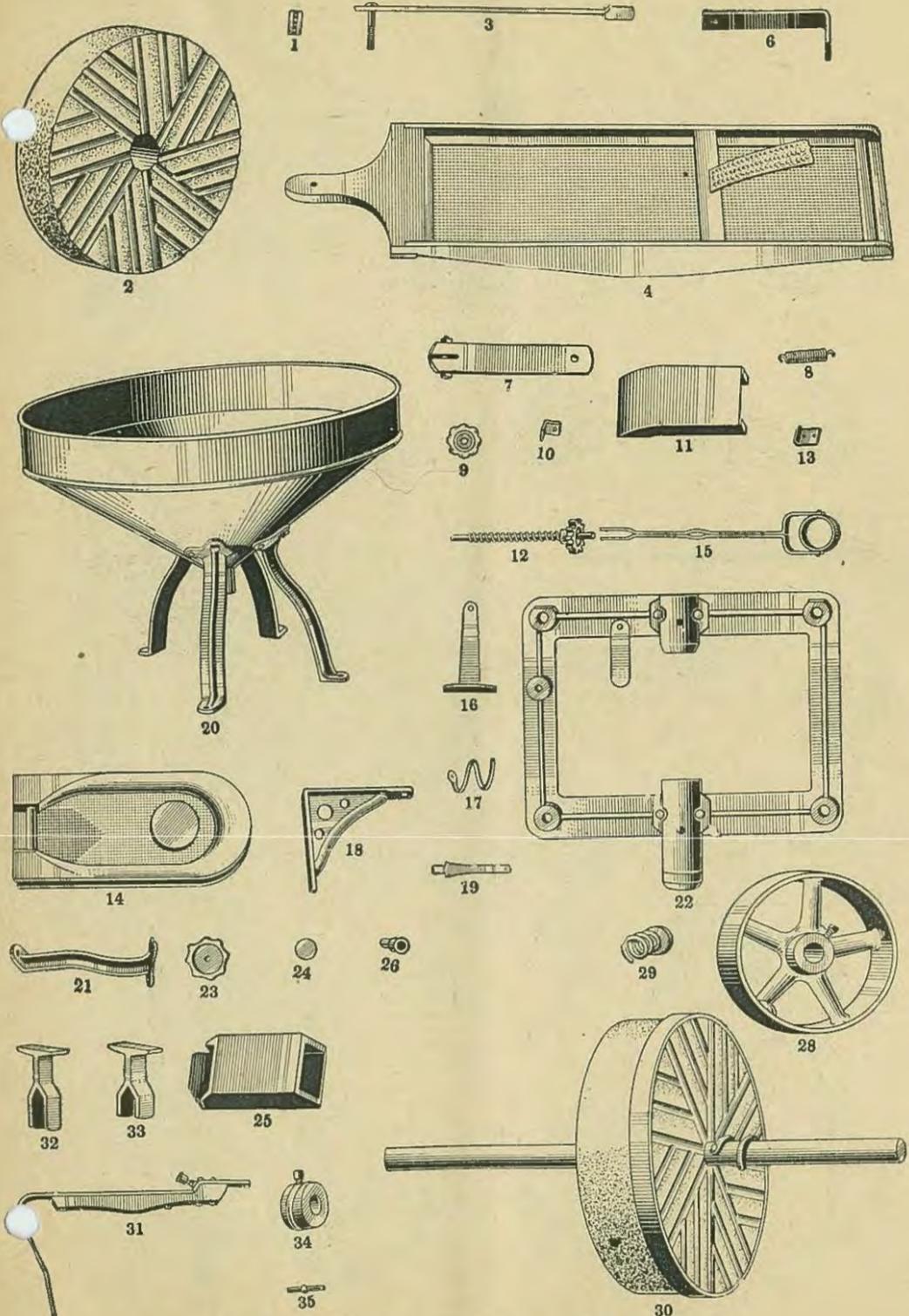
Catalog No.	List Price	Name or Description	Mill used on and years used					
			Style No. 1	Style No. 2	Style No. 3	Style No. 4	Style No. 5	
			12"	16"	20"	24"	30"	
S5-22	\$12 35	Frame with journals babbitted						09
S1-23	40	Jam nut for thrust wheel	06	06				
S3-23	45	Jam nut for thrust wheel			06	06		06
S1-24	45	Disk for ball bearing and adjusting screw	06	06				
S3-24	50	Disk for ball bearing and adjusting screw			06	06		
S5-24	65	Disk for ball bearing and adjusting screw						06
S1-25	50	Meal spout	06					
S2-25	55	Meal spout		06				
S3-25	60	Meal spout			06			
S4-25	65	Meal spout				06		
S5-25	75	Meal spout						05
S1-26	45	Oil or grease cup	06	06	06	06		03
S1-28	4 50	Pulley	06	06				
S3-28	5 75	Pulley			06			
S4-28	6 50	Pulley				06		
S5-28	9 20	Pulley						06
S1-29	50	Safety spring with collar	09-19	09-19				
S3-29	70	Safety spring with collar			09-19	09-19		
S5-29	90	Safety spring with collar						09-19
S1-30	14 40	Runner burr with shaft, furrowed and banded	06					
S2-30	18 45	Runner burr with shaft, furrowed and banded		06				
S3-30	26 10	Runner burr with shaft, furrowed and banded			06			
S4-30	31 50	Runner burr with shaft, furrowed and banded				06		
S5-30	36 00	Runner burr with shaft, furrowed and banded						06
S1-31	1 55	Weevil spout agitator	06-17					
S2-31	1 80	Weevil spout agitator		06-17				
S3-31	2 00	Weevil spout agitator			06-17			
S4-31	2 65	Weevil spout agitator				06-17		
S5-31	3 05	Weevil spout agitator						06-17
S1-32	50	Weevil spout agitator guide	06-14	06-14				
S3-32	60	Weevil spout agitator guide			06-14	06-14		
S5-32	70	Weevil spout agitator guide						06-14
S1-33	50	Weevil spout hanger	06-14	06-14				
S3-33	60	Weevil spout hanger			03-14	06-14		
S5-33	70	Weevil spout hanger						06-14
S1-34	2 45	Cam sleeve	06-17	06-17				
S3-34	2 95	Cam sleeve			06-17	06-17		
S5-34	3 40	Cam sleeve						06-14
S1-35	35	Stud bolt for holter agitator	06	06	06	06		06
S1-36	35	Stud bolt for bolter	06	06	06	06		06
S1-37	1 60	Thrust wheel	06	06				
S3-37	1 80	Thrust wheel			06	06		03
S1-39	1 90	Base box (babbitted)	06					
S2-39	2 10	Base box (babbitted)		06				
S3-39	2 40	Base box (babbitted)			06	06		
S5-39	3 70	Base box (babbitted)						06
S1-40	40	Sifter spring	06-09					
S2-40	45	Sifter spring		06-09				
S3-40	55	Sifter spring			06-09	06-09		
S5-40	70	Sifter spring						06-09
S1-41	85	Weevil spout agitator guide	14	14				
S3-41	1 00	Weevil spout agitator guide			14	14		
S5-41	1 50	Weevil spout agitator guide						14
S1-42	30	Safety spring	06-09	06-09				
S3-42	40	Safety spring			06-09	06-09		
S5-42	45	Safety spring						06-09
S1-43	65	Thrust spring	06-09	06-09				
S3-43	70	Thrust spring			06-09	06-09		
S5-43	90	Thrust spring						06-09
S1-44	2 10	Head box (babbitted)	06-09	06-09				
S3-44	2 80	Head box (babbitted)			06-09	06-09		
S5-44	4 40	Head box (babbitted)						06-09
S1-45	3 35	Fan	06-10					
S2-45	3 85	Fan		06-10				
S3-45	4 30	Fan			06-10			

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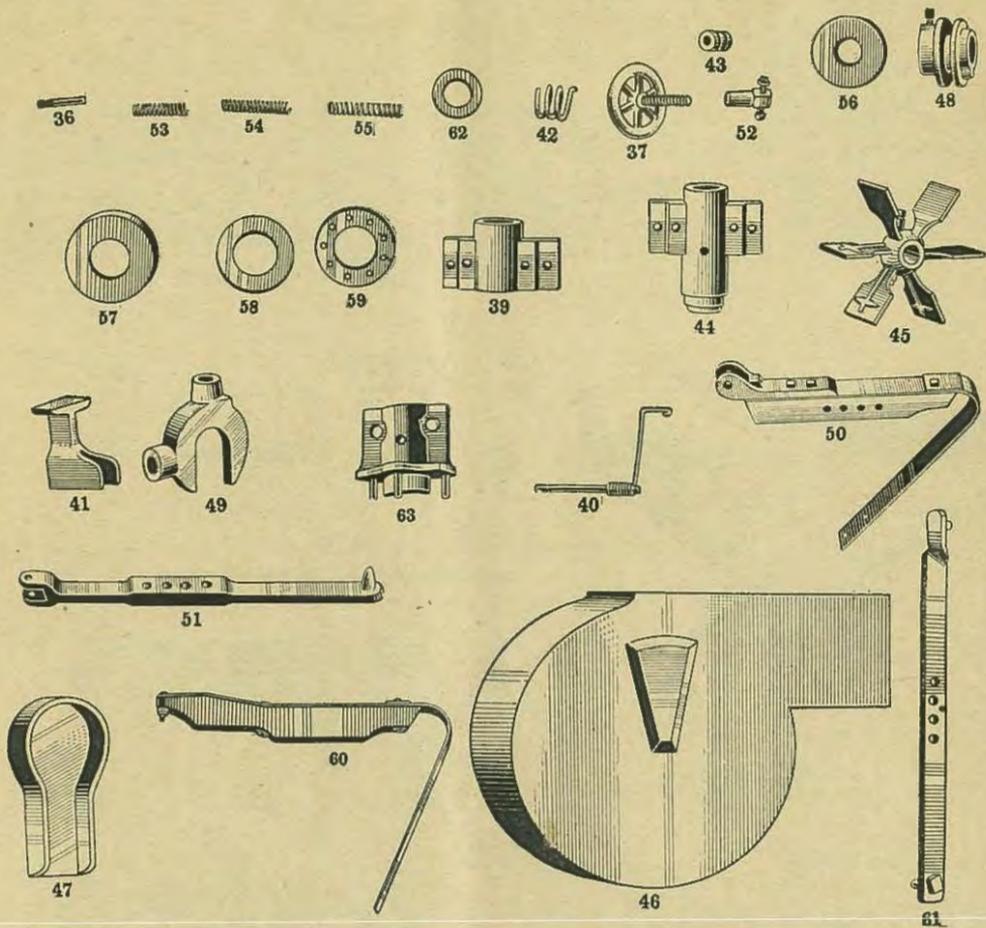
Catalog No.	List Price	Name or Description	Mill used on and years used				
			Style No. 1	Style No. 2	Style No. 3	Style No. 4	Style No. 5
			12"	16"	20"	24"	30"
S4-45	\$ 5 85	Fan				06-10	
S5-45	6 75	Fan					06-10
S1-46	2 80	Fan case	06-10				
S2-46	3 20	Fan case		06-10			
S3-46	3 60	Fan case			06-10		
S4-46	4 80	Fan case				06-10	
S5-46	5 60	Fan case					06-10
S1-47	80	Feed shoe	06-10	06-10			
S3-47	90	Feed shoe			03-10	06-10	
S5-47	1 10	Feed shoe					06-10
S1-48	2 45	Cam sleeve	17-19	17-19			
S3-48	3 15	Cam sleeve			17-19	17-19	
S5-48	3 15	Cam sleeve					17-19
S1-49	2 45	Agitator yoke	17-19	17-19			
S3-49	3 15	Agitator yoke			17-19	17-19	17-19
S1-50	1 55	Weevil spout agitator	17-19				
S2-50	1 80	Weevil spout agitator		17-19			
S3-50	2 00	Weevil spout agitator			17-19		
S4-50	2 65	Weevil spout agitator				17-19	
S5-50	3 05	Weevil spout agitator					17-19
S1-51	1 90	Bolter agitator	17-19				
S2-51	2 10	Bolter agitator		17-19			
S3-51	2 40	Bolter agitator			17-19		
S4-51	3 20	Bolter agitator				17-19	
S5-51	3 70	Bolter agitator					17-19
S1-52	90	Agitator yoke stud	17-19	17-19	17-19	17-19	17-19
S1-53	35	Bolter agitator spring	19-	19-	19-	19-	19-
S1-54	35	Weevil spout agitator spring	19-	19-	19-	19-	19-
S1-55	35	Wabblers pressure spring	19-	19-	19-	19-	19-
S1-56	1 35	Wabblers ring	19-	19-			
S3-56	1 35	Wabblers ring			19-	19-	
S5-56	1 35	Wabblers ring					19-
S1-57	1 35	Wabblers ball bearing container	19-	19-	19-	19-	19-
S1-58	90	Race for ball bearing wabblers	19-	19-	19-	19-	19-
S1-59	1 80	Ball bearing for wabblers (retainer with balls only)	19-	19-	19-	19-	19-
S1-60	1 55	Weevil spout agitator	19-				
S2-60	1 80	Weevil spout agitator		19-			
S3-60	2 00	Weevil spout agitator			19-		
S4-60	2 65	Weevil spout agitator				19-	
S5-60	3 05	Weevil spout agitator					19-
S1-61	1 90	Bolter agitator	19-				
S2-61	2 10	Bolter agitator		19-			
S3-61	2 45	Bolter agitator			19-		
S4-61	3 20	Bolter agitator				19-	
S5-61	3 70	Bolter agitator					19-
S1-62	90	Composition metal ring	19-	19-			
S3-62	90	Composition metal ring			19-	19-	
S5-62	90	Composition metal ring					19-
S1-63	2 40	Center bearing cap with studs	19-	19-			
S3-63	2 70	Center bearing cap with studs			19-	19-	
S5-63	4 15	Center bearing cap with studs					19-
S1-80	13 20	Wabblers, complete	19-				
S2-80	13 70	Wabblers, complete		19-			
S3-80	14 50	Wabblers, complete	Can be applied to any Meadows Mill made since 1906.				
S4-80	15 95	Wabblers, complete					19-
S5-80	18 25	Wabblers, complete					19-

Catalog No.	List Price	Name or Description	Mill used on and years used				
			Style No. 1	Style No. 2	Style No. 3	Style No. 4	Style No. 5
			12"	16"	20"	24"	30"
High Speed Fan—Special							
S1—64	\$ 3 95	Grain and air spout	19—	19—			
S3—64	4 50	Grain and air spout			19—		
S4—64	5 15	Grain and air spout				19—	
S5—64	6 85	Grain and air spout					19—
S1—65	2 25	Fan with shaft	19—	19—	19—	19—	19—
S1—66	1 80	Pulley on fan	19—	19—	19—	19—	19—
S1—67	90	Air shutter for fan	19—	19—	19—	19—	19—
S1—68	1 80	Fan bearing with oil cup	19—	19—	19—	19—	19—
S1—69	45	Fan belt	19—	19—	19—	19—	19—
S1—70	2 80	Fan case	19—	19—			
S3—70	3 15	Fan case			19—	19—	19—
S1—71	2 70	Drive pulley for fan	19—	19—			
S3—71	2 70	Drive pulley for fan			19—	19—	
S5—71	2 70	Drive pulley for fan					19—
S1—72	4 50	Cyclone	19—	19—			
S3—72	4 50	Cyclone			19—	19—	
S5—72	4 50	Cyclone					19—
S1—81	21 15	High speed fan, complete	} Can be applied to any Meadows Mill made since 1906.	19—	19—		
S3—81	22 05	High speed fan, complete				19—	
S4—81	22 70	High speed fan, complete					19—
S5—81	24 40	High speed fan, complete					
							19—

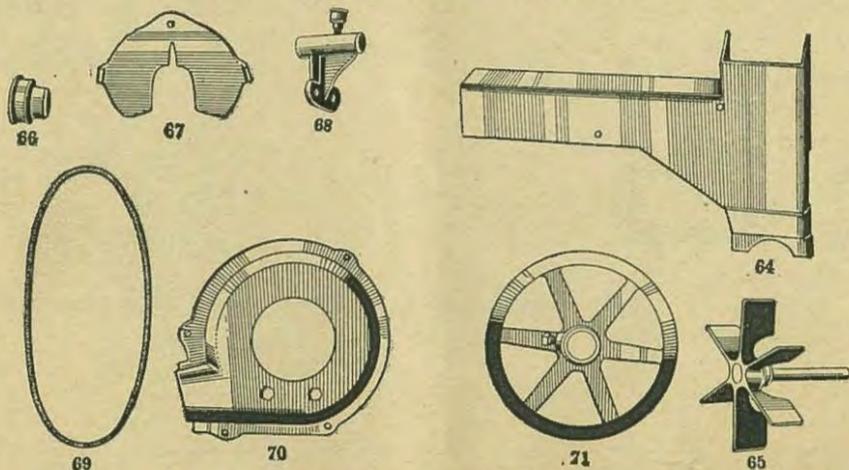
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 Don't order parts from the illustrations only; refer to the list also.



HIGH SPEED FAN (Special)



Order repairs from the nearest I H C dealer or Branch House

➡ Don't order parts from the illustrations only; refer to the list also.

MEADOWS GRITS BOLTER

Used in Connection with Meadows Mill

(See Illustrations No. 9 and No. 10)

Produces Two Grades of Grits. Any Meadows Mill will grind grits by adjusting the burrs to the desired fineness, and by using a Meadows Grits Bolter in connection with it, two grades of grits can be separated at the same time, as well as a high grade of corn meal. The bolter will remove all the bran coarser than will flow through a 14-mesh wire screen, or if desired, unbolted meal can be had by diverting the meal out through the elevator spout shown at **A**, Illustration No. 9.

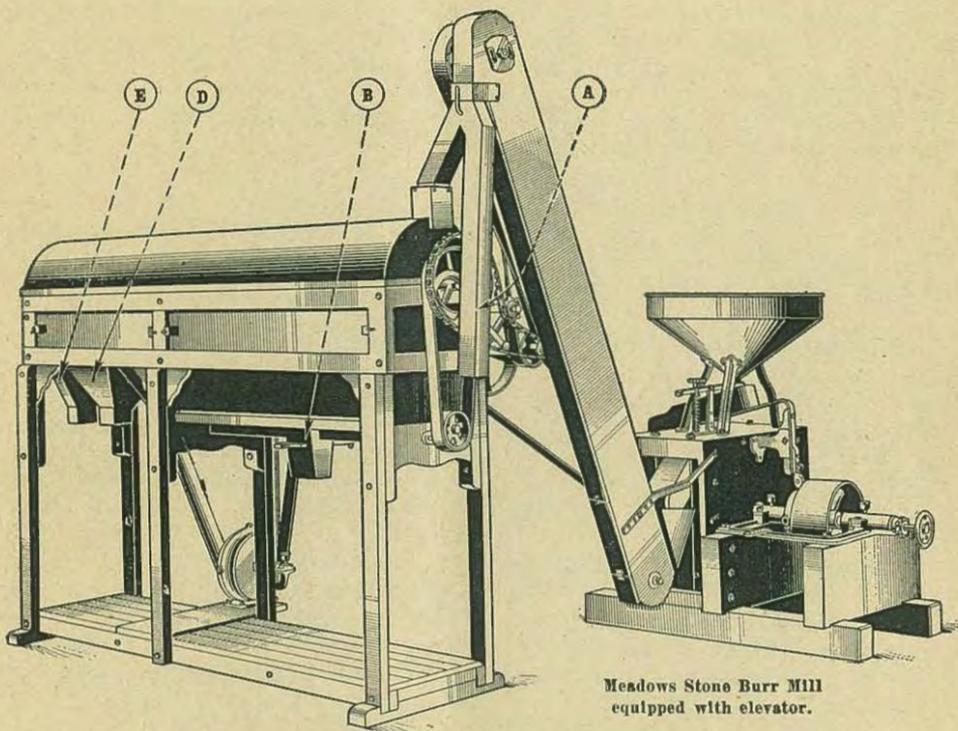
Makes a High Grade of Grits. When a high grade of corn is used the Meadows mill and grits bolter will produce a better grade of grits than the average mill, because the heart, or germ of the corn, is not taken out in the grinding and separating processes.

Various Grades of Grits Easily Separated. The meal spouts are arranged so that boxes may be set under them to catch the various grades of grits. If only one grade of coarse grits is desired, the mill should be set to grind coarse and the grits from both spouts **C** and **D** caught in the same box. (See illustrations No. 9 and No. 10.) Should you wish to separate the two grades of grits, both fine and coarse, two separate boxes should be used, one under spout **D**, the other under spout **C**. The third spout is for bran only.

Separated by Revolving Screens. A revolving screen or reel is driven at a low speed by a belt from the mill. The first screen sifts out the fine meal, the second the medium grits, and the third the coarse grits. As the reel turns a wooden taper strikes it, assisting in sifting out the different grades of meal or grits. The remaining bran and coarse matter passes out into the bran bin. The reel is made on hexagon spiders with six ribs, attached to which are the screens of different mesh.

Bran is Separated by Air Blast. The small quantity of bran that passes through the screens of the reel with the grits is practically all removed by the suction fan. Pipes from the fan enter the sides of the two grits hoppers and turn downward so that the opening is within and close to the spouts, **C** and **D** (see illustrations No. 9 and No. 10). The draft of air is controlled by a damper in the pipe and to such a degree that as the grits flow down the sides of the hopper around the opening in the pipe, the draft draws out the fine bran and carries it away through the fan to the cyclone collector, **F** (illustration No. 10).

Eliminates Bran and Dust in the Air. After the bran passes through the exhaust fan, it is blown into a cyclone collector. Here the air is separated from the bran, the air going up and the bran flowing down out of the spout at the bottom. This arrangement prevents bran from being blown out into the air of the building where the machine is installed, as a barrel or bag can be set under the spout to catch the bran.



Meadows Stone Burr Mill
equipped with elevator.

Illustration No. 9
Front of Meadows Grits Bolter.

- A. Unbolting meal spout.
- B. Fine meal spout.
- D. Coarse grits spout.
- E. Bran spout.

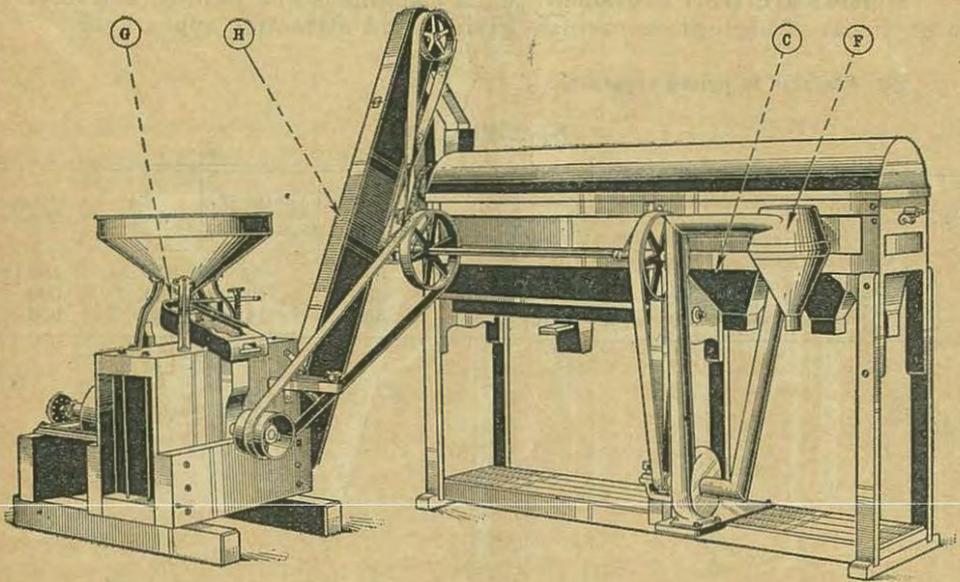


Illustration No. 10. Back of Meadows Grits Bolter and Meadows Mill

- C. Fine grits spout.
- F. Cyclone collector.
- G. Weevil spout.
- H. Meal elevator.

MEADOWS GRITS BOLTER—Continued

Machine Practically Noiseless. Except for the hum of the fan and the slight noise of the tapper, the bolter is practically noiseless in operation. It is driven by a belt from an extended shaft on the Meadows Mill and requires very little additional power.

Built of Best Materials. The Meadows grits bolter is built of well-seasoned North Carolina pine; the frame pieces 2 x 3 inches square and paneled with $\frac{7}{8}$ " lumber tenoned and held together with bolts. The fan is equipped with hard oilers. The top is covered with sheet steel, and is removable. There is nothing about the machine that is subject to serious wear and with reasonable care it should last a lifetime.

Bolters are Well Finished. Each machine is well painted and receives a final coat of high-grade varnish, giving it an attractive appearance.

 Elevator is priced separately.

Specifications

Style No.	Size of Mill to be used with	DIMENSIONS			REEL		Speed of Reel R. P. M.	Capacity Bu. Shelled Corn per Hr.	Net Weight	Shipping Weight
		Length	Width	Height	Diam.	Length				
1	12"	66"	16"	54"	10"	54"	50	8	275 lbs.	400 lbs.
2	16"-20"	78"	18"	54"	12"	66"	45	12	860 "	500 "
8	24"-30"	96"	22"	60"	16"	84"	40	15	500 "	670 "

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Corn Shellers
Cane Mills
Feed Grinders
Stone Burr Mills
Threshers
Hay Presses

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Cream Separators, belted
Cream Separators, electric
Kerosene Engines
Gasoline Engines
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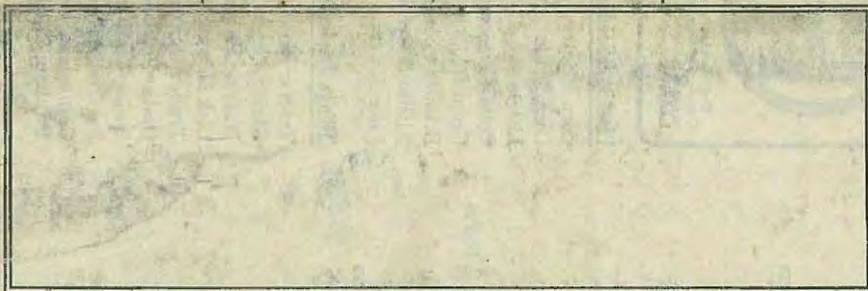
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CATALOG NO. 23

MEADOWS MILL COMPANY, Inc.

Largest Grist Mill Manufacturers in the World

North Wilkesboro, North Carolina, U. S. A.

Introductory

THREE of the leading grist mill, saw mill, and wood saw manufacturers have combined their interests. The W. C. Meadows Mill Company, New Williams Mill Company, and the W. J. Palmer Manufacturing Company, all of North Wilkesboro, N. C., have consolidated. This consolidated corporation is the MEADOWS MILL COMPANY, and located in new and modern factory buildings, with all plants and general offices at NORTH WILKESBORO, NORTH CAROLINA.

Located in the heart of the Nation's finest hardwood timber area, where timber may be had at a reasonable figure at all times, together with the advantage of cheap Hydro-Electric power for operating our modern motor driven machine units in our factory and machine shop, give us facilities to produce our products at a much lower cost than if located in a large city, with the accompanying high cost of labor, and taxes.

In consolidating the three leading factories above mentioned we have retained only the skilled workmen and experienced executives. Every man in the employ of the MEADOWS MILL COMPANY has years of experience behind him in his particular line of work. In building the improved MEADOWS LINE we have retained all the good features and added such new ones as experience has shown desirable. We now offer the MEADOWS LINE of GRIST MILLS, SAW MILLS, and WOOD SAWS as the finest and most complete line of machines of this type to be found on earth.

We have our own railway sidings where freight cars are loaded and switched on the main track of the Southern Railway. Our new facilities make possible our offering rapid and complete delivery service. Orders are filled, in most cases, within twenty-four hours time.

A matter of no slight importance is the repair service. We can furnish any repair for any of the machines made by the former companies for machines that have been made during the past twenty years.

We have authorized MEADOWS dealers in most important cities and towns throughout the U. S. A., and some in foreign countries.

The following pages illustrate and describe the MEADOWS LINE of GRIST MILLS, SAW MILLS, and WOOD SAWS; as well as other equipment and supplies furnished by us.

To attain and warrant your "GOOD WILL" is our highest aim.

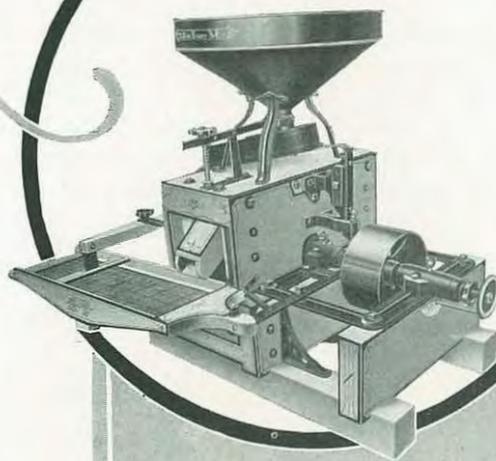
Yours faithfully,

MEADOWS MILL COMPANY,

(Signed) R. G. Finley,

President.

MEADOWS WHITE FLINT GRANITE MILLS



Clean, Grind, Sift and Sack
the Finest Quality of Corn
Meal, Graham and Buckwheat
Flour with Less Power than
Any Other Mills Made

Meadows Stone Burr Grist Mills

In presenting this our latest model Meadows Grist Mill, the greatest and best ever built, we feel that it is unnecessary to go into a detailed description of the construction of this mill, for during the past quarter century Meadows Mills have been sold in every country in the world. We are the largest Grist Mill builders in the world, and we know that the Meadows Mill is far better than any other mill on the market. The name MEADOWS MILLS has become a household word wherever good, wholesome meal is appreciated. By consolidation of three of the oldest and largest manufacturers of Grist Mills we have been able to embody in this latest Meadows Mill the best patented features of both the original Meadows, the Corn King, and the Williams. Notwithstanding all these new improvements we are able to sell them for less money, due to larger production in our factories.

In presenting this latest model of the Meadows Mill we are pleased to call attention to a number of late patented improvements that will be greatly appreciated by both old and new millers.

Grain Cleaning System Patented—Weevil Spout combined with High Speed Cleaning Fan, all regular equipment without extra cost on all sizes except 12" which has no fan.

Quick and Positive Patented Locking Device—By simply pressing down the lever, the burrs are locked in any position at which they are set. Fineness of meal cannot vary until position is changed.

Sifter driven from same eccentric which operates Weevil Spout, oscillates endways, and has a collecting bottom which thoroughly mixes meal before discharging into meal box or sacking elevator.

Simplest Feed Control Yet Devised—Single motion of one hand sets the feed of grain from hopper, no screwing down of hand wheel to change.

Patented Grain Receiver—Allows grain to be fed from hopper in any desired volume, yet cob ends or any coarse trash may escape without choking the slowest feed.

Meadows Mills will grind, sift and sack (Sacking Elevator extra, see page 7) the finest quality corn meal, and when equipped with Special Flour Sifter will grind an excellent grade of graham or whole-wheat flour. In fact, Meadows Mills will grind anything from the highest grade table meal to mixed grain for feed.

Every Meadows Mill is equipped with a **Patented Weevil Spout** which removes weevil and other objectionable matter from the corn before grinding into meal. In addition to the Weevil Spout, every Meadows Mill except 12" size is now equipped regularly with a High Speed Cleaning Fan which gives the grain a further thorough cleaning before being ground into meal.

Meadows Mills occupy but little space and are built in five sizes, ranging in capacity from three to twenty bushels per hour, requiring from three to twenty horse power, depending on size. See page 6 for horse power required for various sizes, and capacity. Meadows Mills do more work with less power because of their superior construction.

Meadows Mills are beautifully finished and while this is not essential to their good operation, it is a point not to be overlooked. Careful painting lengthens the life of both wood and iron, and carries a suggestion of the clean meal so characteristic of a Meadows Mill.

The frame of the Meadows Mill is made from the best grade of North Carolina pine, constructed in two sections, securely tied with heavy bolts. To open mill for dressing, only two bolts to be taken out, two nuts to loosen, and sections of casing slide apart.

Only the very best obtainable hard, sharp, white flint granite burrs are used in Meadows Mills. The burrs are from the same quarry as have been furnished in Meadows Mills for over a quarter of a century, and have proven to be the best.

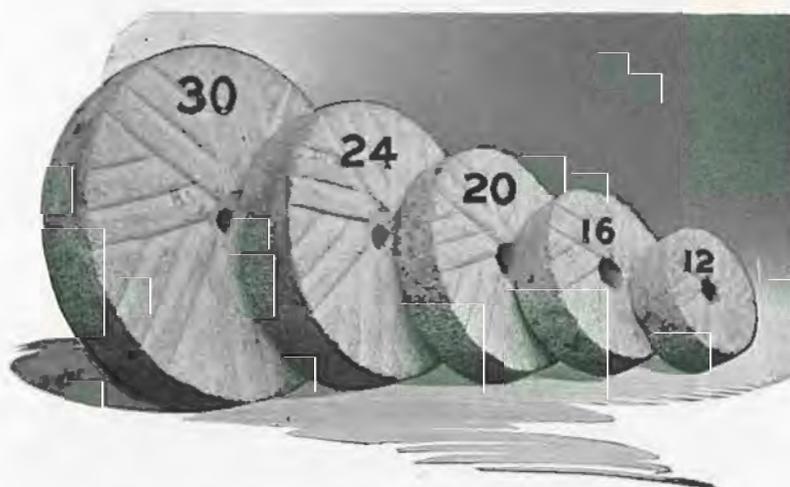


Illustration No. 1—Meadows Mill Burrs in the Rough

Meadows Mills are so simply constructed that it does not require an experienced miller to operate them. Meadows Mills are shipped set up ready for business, and any average man or boy can successfully operate them.

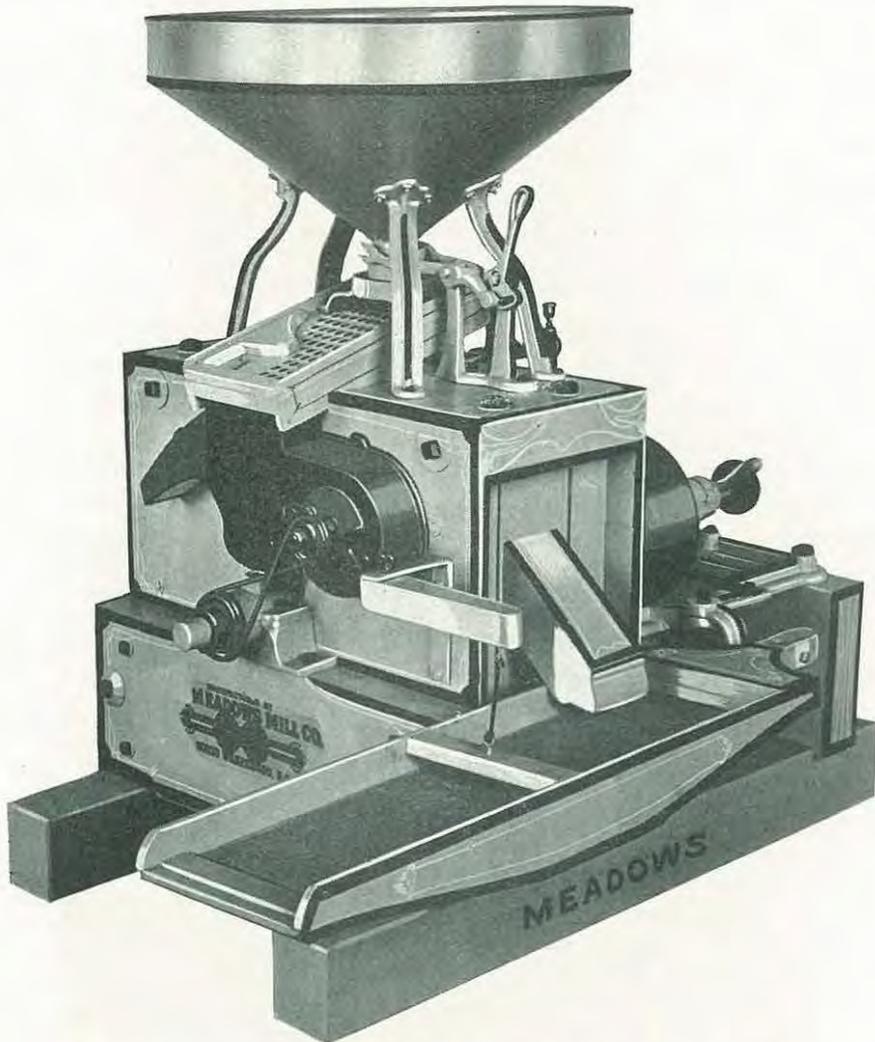


Illustration No. 2—The latest model Meadows Mill, which now comes completely equipped with High Speed Cleaning Fan (except 12" size) as illustrated. Meadows Mills are made in five sizes as given below.

Specifications Meadows Grist Mills

Size	Shipping Weight	Speed Recommended	Capacity per hour		Horse Power	Size Pulley Regularly Furnished	Floor space required		Size Shaft
			Sifted	Unsifted			Length	Width	
12"	450	800	3	4	3	4x 8	48"	34"	1 7-16"
16"	675	750	4	5	4 to 5	5x10	54"	38"	1 7-16"
20"	925	700	6	8	6 to 8	6x12	54"	42"	1 11-16"
24"	1175	650	8	10	8 to 10	6x14	58"	47"	1 15-16"
30"	1550	550	15	25	15 to 20	8x16	60"	52"	1 15-16"

NOTE—The grinding capacity of any mill depends on the sharpness of the burrs as well as the horse power used. The above ratings are conservative if the stones are reasonably well cared for. Special size pulleys furnished on order at small difference in price.

Meadows Sacking Elevator

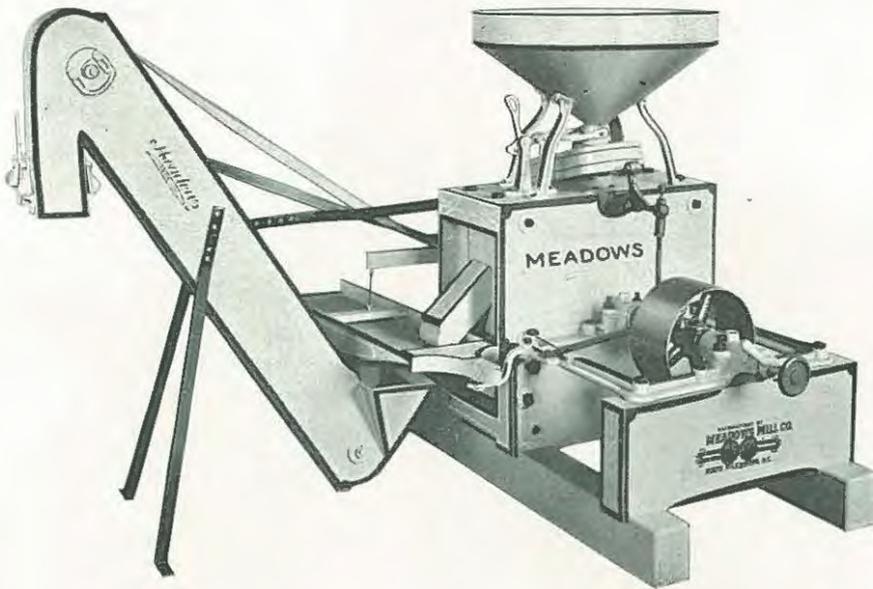


Illustration No. 3—Meadows Sacking Elevator. Showing how it is attached to Meadows Mill. This illustration also gives clear view of pulley side of Meadows Mill.

The Meadows Chain-Belt-Drag Type Sacking Elevator is made in one size only and may be applied to any size Meadows Mill, as well as any other make mill, on special order. It is 5 feet long, and has a double spout so two sacks can be attached at one time. This Sacking Elevator comes complete with pulleys and drive belt ready to attach to mill and go to work. The pulley which goes on mill shaft is furnished with Sacking Elevator. If Elevator is wanted for any mill other than Meadows, be sure to specify the diameter of mill spindle so that drive pulley may be bored proper size. Shipping weight, 125 lbs.

MEADOWS WHOLE WHEAT FLOUR SIFTER

This Flour Sifter is interchangeable with the regular meal sifter as furnished with the mill, and when ordered as an extra along with Wheat Screen for Weevil Spout the same mill can be used for grinding both corn meal, and whole wheat and graham flour.

Meadows Grits Bolter

For use with MEADOWS or any other
vertical type mill

Produces Two Grades of Fine
Quality Grits

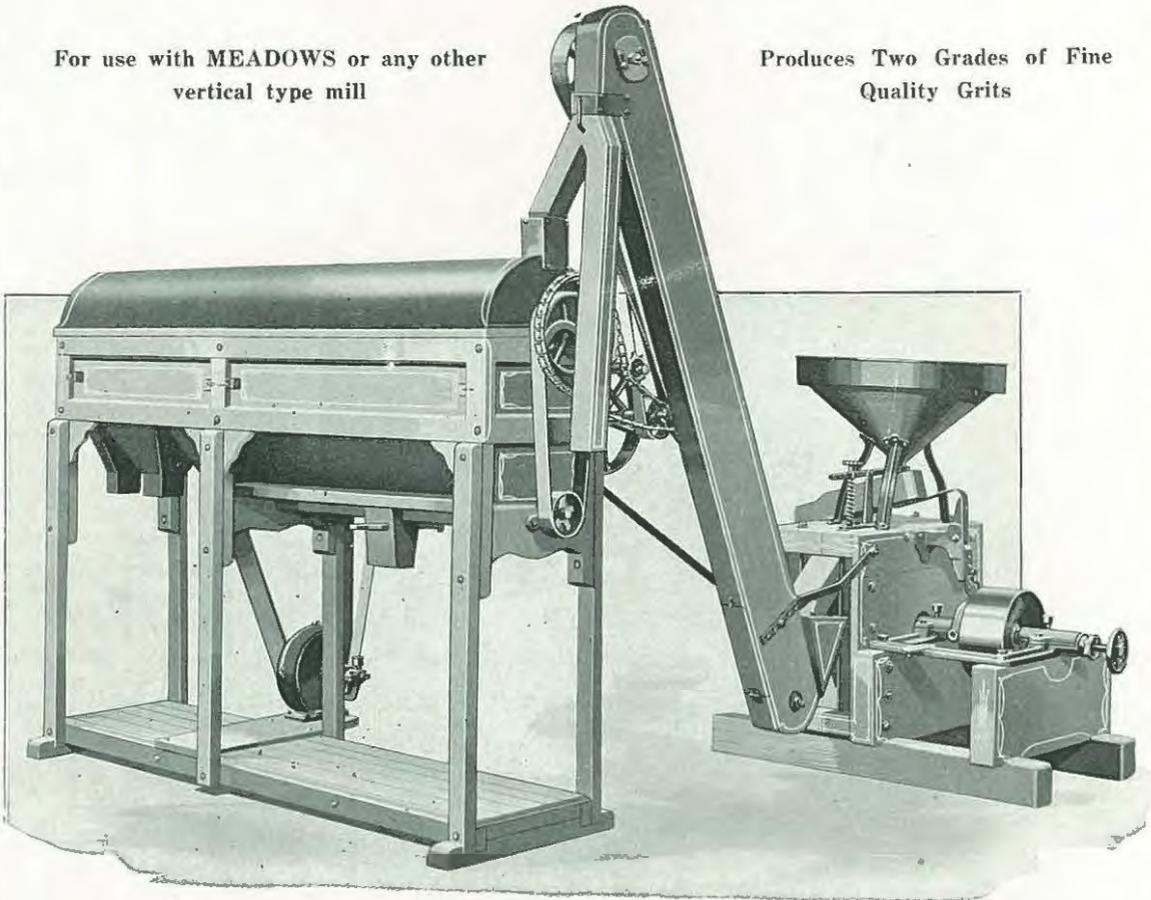


Illustration No. 4—Front View of Meadows Grits Bolter

Specifications of Meadows Grits Bolters

Style No.	Size of Mill to be used with	DIMENSIONS			REEL		Speed of Reel R. P. M.	Capacity Bu. Shelled Corn per. Hr.	Net Wt. Lbs.	Shipping Weight Lbs.
		Length	Width	Height	Diam.	Length				
1	12"-16"	66"	16"	54"	10"	54"	50	8	275	400
2	20"-24"	78"	18"	54"	12"	66"	45	12	360	500
3	30"	96"	22"	60"	16"	84"	40	15	500	670

See page 9 for full description of above grits bolter.

Meadows Grits Bolter

High Grade Grits

By setting the burrs for the desired fineness, any Meadows Mill will grind grits. By using the Meadows Grits Bolter, two grades of grits can be separated at one time. When a high grade of corn is used the Meadows Mill and Grits Bolter will produce a better grade of grits than the average mill because the heart or germ of the kernel is not taken out in the grinding process. The bolter removes all bran that will not pass through a 14 mesh screen. If unbolted meal is desired it can be obtained by diverting the meal out through meal spout as shown in the illustration on page eight.

Revolving Screens

A revolving screen or reel is driven at low speed by a pulley on the extended shaft of the mill. The reel is made of hexagon spiders with six ribs, to which are attached the screens of different mesh. The first screen sifts out the fine meal, the second the medium grits, and the third the coarse grits. As the screens revolve, a mechanical wooden tapper strikes it, assisting in sifting out the different grades of meal and grits. The coarse matter and most of the bran pass out through the bran spout.

Bran Separated by Suction Fan

The small quantity of bran which passes through the screens with the grits is removed by a suction fan. Pipes from the fan enter the sides of the two grits hoppers and turn downward so the openings of the pipes are close to the grits spouts. Dampers are provided for regulating the suction. As the grits flow down the sides of the hopper and around the openings in the pipes the suction draws out the bran and carries it to the cyclone collector. This process insures an excellent grade of grits free from bran and foreign material.

Three Sizes

Meadows Grits Bolters are built in three sizes with capacities of 8, 12 and 15 bushels of shelled corn per hour. The wood stock is made from the best of select North Carolina pine. Fan is equipped with a compression grease cup. The Elevator is furnished as regular equipment with Grits Bolter.

There is nothing about the Bolter that is subject to severe wear, and with proper care it should last a lifetime. Find out how many thousand pounds of grits are shipped in your neighborhood a year, then order a Meadows Grits Bolter.

The Meadows Whole Wheat Flour Mill

Makes one barrel of whole wheat flour an hour. Cleans and grinds wheat, rye and Buckwheat. It consists of one 20-inch Stone Burr Mill, with scourer, elevator and bolter, which complete occupies only 128 sq. ft. of floor space.

SPECIFICATIONS

Mill, Length 30," height 60," width 48"
 Bolter, length 8' 6," height 5' 6," width 2'
 Speed, 550 R. P. M.
 Pulley, diameter 12," face 6."
 Power, 8 to 10 H. P.
 Weight, 1500 lbs. net, 1900 lbs. crated.

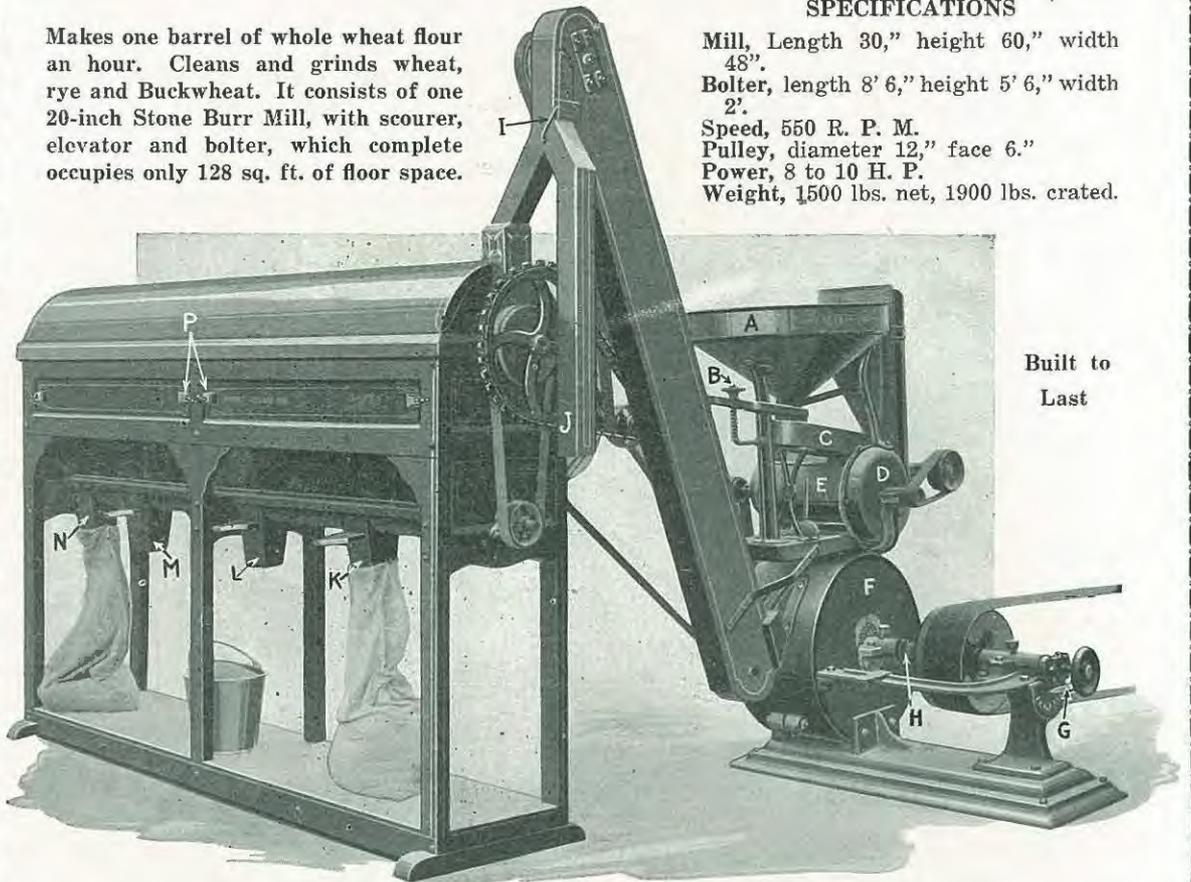


Illustration No. 5—Complete Meadows Whole Wheat Flour Mill. A, is hopper. B, is feed regulator. C, weevil spout. D, scouring fan. E, scouring cylinder. F, burr or grinding cylinder. G, indicator burr adjuster. H, safety spring. I, cut off for graham flour. J, graham flour spout. K, first grade flour spout. L, second grade flour spout. M, wheat hearts spout. N, bran spout. P, buttons for removing bolter panels. The elevator is of the chain-belt-drag type.

Makes Six Grades of Flour

1. Whole Wheat Flour. 2. First Grade or white burr flour, (not bleached). 3. Second Grade Burr Flour, (not bleached). 4. Third Grade, which is made by mixing the wheat hearts with second grade while grinding. 5. Fourth Grade—wheat hearts—which is the richest part of the wheat and makes an excellent breakfast food. 6. Graham Flour which contains the whole grain, including the bran. Wheat, rye and buckwheat can be ground singly, or together in any proportions. Three grades can be made at a time by leaving all the spouts shown in the illustration open. For two grades, spout M is closed. For whole wheat flour, spouts L and M are closed; this permits all the flour of the wheat, including the wheat hearts to come out of spout K.

Weevil Spout

This is used to clean the wheat before it enters the scourer. The wheat passes from the hopper down to this spout where everything larger and every-

thing smaller than the grain is separated before entering the scourer. The weevil spout takes care of the sand, grit and weevils, and other objectionable matter.

Cyclone Dust Collector

The fan, D, shown in the illustration draws a strong current of air horizontally through the scouring cylinder, E. It carries away fuzz, loose scales of bran, and dust before the wheat enters the stone burrs. The fan draws the dust, etc., from the wheat, and blows it through the dust pipe into the cyclone dust collector, which has a spout at the lower end through which the product falls into a box or barrel.

Fresh Air Purifier

This blows the flour out of the mill, keeps the inside of the mill more sanitary, and prevents the millstones from getting too hot and burning the flour.

Non-porous Millstones

Genuine American Millstones are used in every Meadows Whole Wheat Flour Mill. They are not porous. Flour does not adhere to them as on the imported burrs which were formerly so popular. The old porous burrs held moisture and thus would attract and hold light, starchy white flour, which would become rancid in a single night during hot weather. Meadows burrs are absolutely non-porous, being taken from a quarry of hard, white flint granite. Their grinding surfaces are shaped with special machinery and special tools. The simple method for dressing or sharpening the burrs is fully explained in the printed instructions which accompany every mill.

Easily Operated

One person can do all the work. The entire mill is on one floor, and all parts are within plain view and easy reach. Simple, full instructions for setting up and operating are sent with each mill.

Whole Wheat Flour Is 100% Flour

It contains the whole grain except the bran. It gives more pounds from a bushel than white flour, and pound for pound it is more nourishing, because it contains more bone and muscle building qualities. It contains the rich wheat hearts—the cream of the wheat. It is an actual fact that many people have been cured of long standing illness by the use of Meadows Whole Wheat Flour. It is a balanced ration, and should be eaten instead of white bleached flour. If there is not a Meadows Whole Wheat Flour Mill in your neighborhood, by all means see that some progressive person puts one in. It will not only be a profitable investment but will be doing a good turn for humanity.

Get the Flour Business of Your Neighborhood

Use a Meadows Mill and get the flour business of your neighborhood. What others are doing you can do. The farmers will soon learn that it pays to have their flour made from their wheat at home. Shipping wheat hundreds of miles and buying flour is costly, and long-distance millers cannot afford to do custom grinding. Whole wheat bread is real "health bread." It saves wheat and saves money. And when made from fresh flour ground at home it becomes popular indeed. The farmers know that they are getting flour from their own wheat. Own a Meadows Whole Wheat Flour Mill and you'll get business from miles around.

Meadows Gold Medal Saw Mill No. 1—For Tractor and Light Power

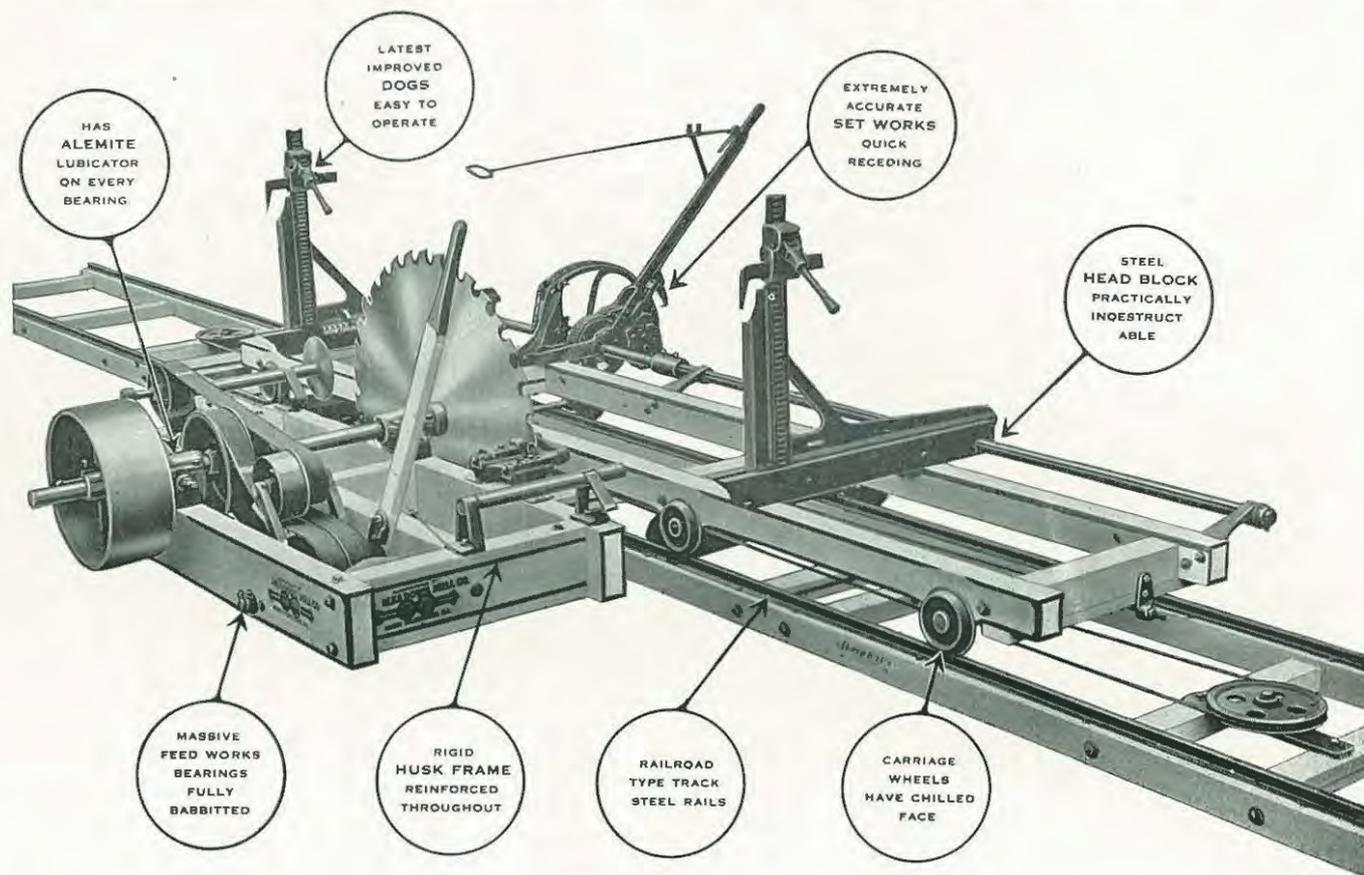


Illustration No. 6

Meadows Saw Mills furnished regularly with two headblocks. However, they are adjustable and may be moved close together for sawing cross ties or wide apart for long stock. An extra headblock may be added at any time if desired.

Meadows Gold Medal Saw Mill No. 1

For Tractor and Light Power

This is the saw mill that is being sold in great numbers to be used in connection with tractors. Due to its superior construction and low price it has become the favorite among experienced saw mill men. This mill, it will be noted, has many advantages over any other saw mill on the market. It is the lightest running mill, and cuts accurately at all times. In spite of the many features found on this mill, such as Alemite lubricators, etc., not to be found on any other mill, the price is lower, which is made possible by the tremendous volume of saw mills that can be turned out in our modern factories. This No. 1 Saw Mill is built along the same lines as our No. 2 mill. Will use saws up to 56". The quality of the material and of the workmanship is unexcelled. Meadows Saw Mills are so manufactured that when they arrive at destination for assembly, the parts go together easily and accurately. Meadows Quality goes into every saw mill made by the Meadows Mill Company.

Specifications of No. 1 Meadows Gold Medal Saw Mill

This is the best portable saw mill made to work with tractors and light steam rigs. It has a capacity of from 4 to 10 thousand feet per day of one inch boards, depending on power used. Note carefully the late improved features in specifications.

HUSK FRAME—Unusually well constructed, being 3 feet 1 inch wide by 7 feet 4 inches long, built of 4x10 timbers which are of the best select North Carolina yellow pine. Husk frame is joined and securely tied with one-half inch steel rods. The mandrel is 2 3-16 inches by 5 feet 4 inches. The Mandrel Bearings of latest design, lined with high grade babbit, the bottom part of which has oil reservoir which, together with the Alemite lubricator on all bearings, insures perfect lubrication. Special combination drive pulley and balance wheel, accurately balanced to insure steady speed. Spreader and Saw Guide furnished.

HEACOCK KING FEED—This is the very best variable feed obtainable. Our feed works give the operator a wide range of sawing speed; slowing down on the tough logs and speeding up on the small logs. The carriage comes back very rapidly. Highest grade Rusco feed belts furnished.

CARRIAGE—15 feet long, built of 4x5 timbers, with two head blocks and dogs. Head blocks are of steel and will not chip off. 4 sets axles and wheels. Dogs on this mill are the most improved and easiest operated, quick and positive in action. Headblocks open 34 inches from knee to saw. Extra length carriage may be had, if desired, at small extra cost.

SET WORKS—Accurate, quick receding chain set works. Built adjustable to 1-1000 of an inch. Insures accurate sawn lumber.

TRACK—45 feet in length and made in sections, 3½x4 timbers, with 8 lb. to the yard railroad type steel rails.

Foundation sills and bolts, cant hook, wrench and one set of feed belts go with this mill.

ALEMITE on every bearing.

Shipping weight approximately 3000 lbs.

Shipping Point: North Wilkesboro, N. C., or nearest warehouse.

All mills furnished right hand unless otherwise specified.

Meadows Gold Medal Saw Mill No. 2

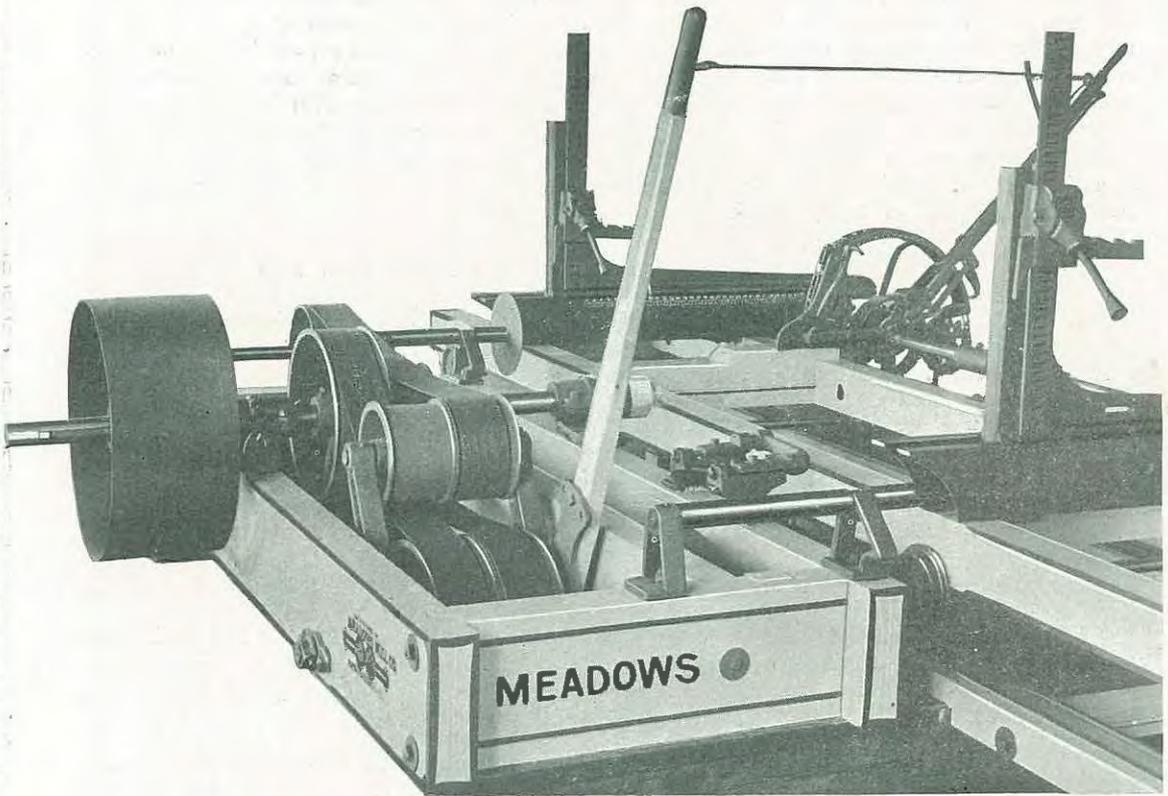


Illustration No. 7—Showing Meadows No. 2 Saw Mill

When a larger and heavier mill than our No. 1 is wanted for high power and large logs, our No. 2 mill fills the bill. Built strong and rugged, it will give long and satisfactory service even when subjected to rough and heavy work.

Meadows Gold Medal Saw Mill No. 2

This saw mill is identical in design with the famous No. 1 Meadows Gold Medal Saw Mill, however is larger in proportion, and therefore adapted to much heavier work than ordinary tractor saw mill work. This mill will cut from five to fifteen thousand feet per day depending on the power used. A saw as large as 60" in diameter may be used on this mill. Read over the following specifications and you will see why operators prefer the Meadows Mill, No. 2 size, when they have large timber to handle.

HUSK FRAME—3'2" wide by 7'10" long, built of 4x11 timbers securely braced to withstand the severest wear and tear. The mandrel is of high grade polished steel, 5'4" long. Modern type, self aligning bearings, lined with special high grade babbitt, fitted with compression grease cups. Mandrel pulley 10" face, and from 20 to 24 inches in diameter, depending on size and speed of drive pulley. Latest design Spreader and Saw Guide.

HEACOCK KING FEED—Built to handle the carriage with ease, regardless of size of logs. Will feed from a fraction of an inch to six inches to the revolution of the saw, and will gig back 14 inches. Note that high grade Rusco Feed Belts are furnished as standard equipment.

CARRIAGE—15' long, built of 4x6" timbers, with two headblocks and dogs. Four sets of axles and wheels. Headblocks open 42" from knee to saw. Additional length carriages furnished at slight extra charge.

SET WORKS—Improved chain type quick receding Set Works. The latest and best design known. Work accurately and easy on sawyer.

TRACK—45 feet in length, made in sections, 4x5 inch timbers, reinforced with 8 lb. to the yard railroad type steel rails.

Foundation sills and bolts, cant hook, wrench and one set of feed belts go with mill.

Shipping weight, approximately 4000 lbs.

Shipping Point: North Wilkesboro, N. C., or nearest warehouse.

All mills furnished right hand unless otherwise specified.

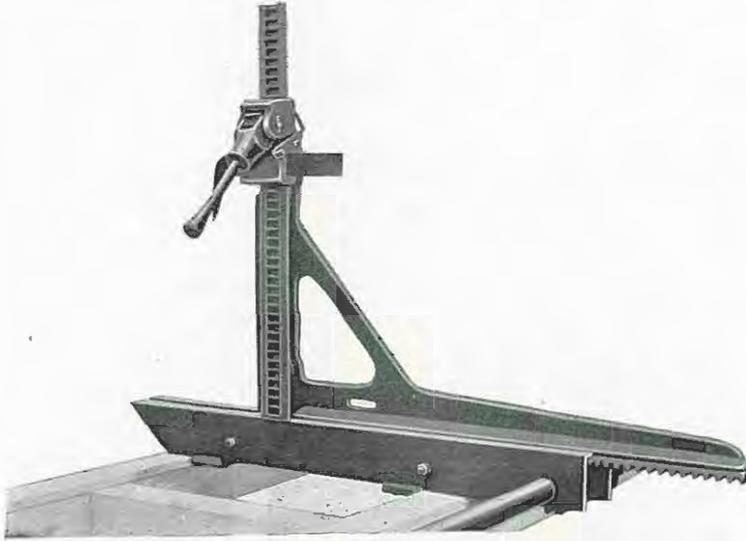


Illustration No. 8—Meadows Headblock complete with Dog and Rack.

Shipping Wt. No. 1, 185 lbs. Shipping Wt. No. 2, 230 lbs.



Illustration No. 9

Showing Meadows Dog Complete with Rack. This is a close up view of the latest type, easiest operated Dog known, and is furnished regularly with Meadows Mills. This Dog is a special design of ours, the result of years of experience, and we consider it far superior to any other type of Dog yet devised. Quick and positive in action, it is preferred by expert sawyers.

Same size Dog used on both No. 1 and No. 2 Saw Mills. Shipping weight 45 lbs.

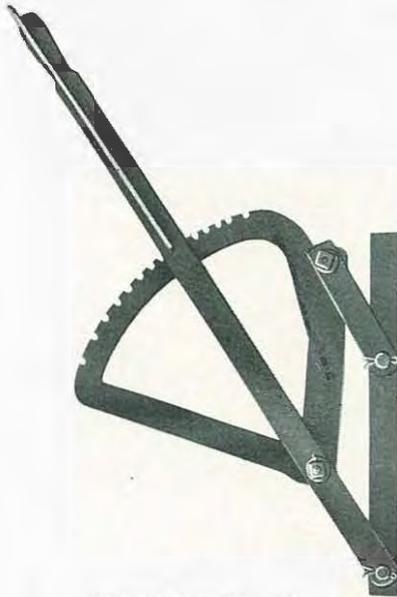


Illustration No. 10

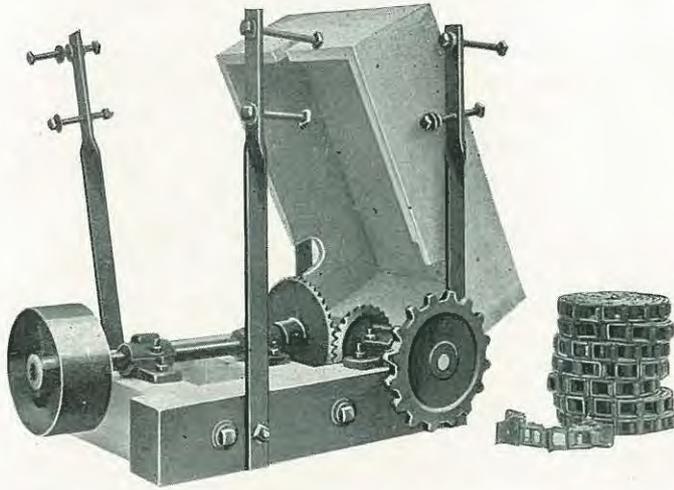
Meadows Throwout Knee. Very handy and convenient attachment for headblocks. The small extra cost of these throwout Knees is soon made up in the saving of lumber effected by their use.

Same size Throwout Knees used on both No. 1 and No. 2 Saw Mills. Shipping weight (Set of 2) 35 lbs.

Note: We receive calls from time to time for parts of saw mills, for the purpose of restocking old mills. We will gladly quote prices on Husk Frame or Carriage only, or any integral part of these.

MEADOWS BELT BINDING PULLEY

Not illustrated. Made in one size only to fit both size mills. For any size belt up to 10". Shipping weight 150 lbs.



MEADOWS UNDERSLUNG DUST CONVEYOR comes complete as illustrated with three steel hangers and necessary bolts for attaching to husk frame, 70 feet of high grade malleable chain and 14 drag links. Easily and quickly attached. Saves time and money. Outer bearing and pulley, not illustrated go with rig.

Shipping weight, 205 lbs.

Illustration No. 11—Meadows Underslung Dust Conveyor. Note the improved steel hangers.



MEADOWS OVERHEAD DUST CONVEYOR—Sometimes called Southern Type, is very popular in low lands where water fills dust pit. No dust pit necessary with this type conveyor. Very convenient and satisfactory. Comes complete as illustrated with 70 feet of high grade malleable chain and 14 drag links. If this type Dust Conveyor is desired to work with saw mill other than Meadows, be sure to specify distance between headers in husk frame.

Shipping weight, 240 lbs.

Illustration No. 12—Meadows Overhead, or Southern Type, Dust Conveyor.

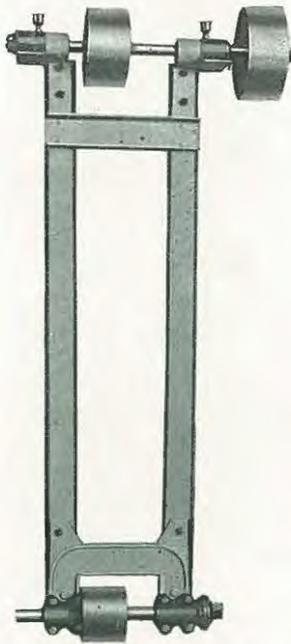


Illustration No. 13—Meadows Swinging Cut Off Saw.

The Meadows Swinging Cut Off Saw. A handy arrangement and profitable addition to the saw mill yard for cutting up slabs and trimming lumber. Can be furnished either with or without saw and belt.

Shipping weight 400 lbs.

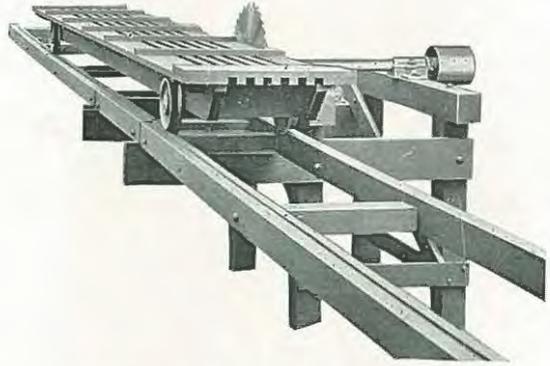


Illustration No. 14—Meadows Single End Side Edger. A very convenient and practical low priced machine, substantially built.

We furnish a Double End Side Edger, which is a very popular rig for edging and cutting up slabs, when used in connection with the steam outfit. This edger has double mandrel, one for rip and other for cut off saw.

Shipping weight, Single End, 488 lbs.

Shipping weight, Double End, 575 lbs.

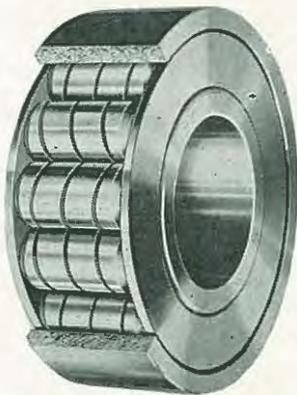


Illustration No. 15—Hyatt Roller Bearings.

ROLLER BEARINGS

Practical saw mill men everywhere accept the Hyatt Roller Bearing, for use in mandrel bearings, as a decided advantage over plain bearings. Hyatt Roller Bearings, when properly installed and maintained, will increase the output of mill from 10 to 30% with the same amount of fuel. We can furnish Hyatt Roller Bearings in both our No. 1 and No. 2 saw mill, on the mandrel, and the extra cost will soon be made up in increased output of lumber.

MEADOWS POWER RECEDER

Meadows Power Receder is not illustrated herein. This useful invention is a very simple an effective means of automatically running the headblocks forward and backward by the same power which operates the carriage. When the last board is removed the sawyer steps on a convenient treadle and the blocks roll back as the carriage returns. This is a labor and time saver and greatly increases the output of the mill, especially in sawing boards.

Shipping weight, 175 lbs.

EXTRA LENGTH MANDREL—We can furnish long mandrels with extra bearing and header if desired. If mandrel longer than as furnished regularly with saw mill is desired, consult price list for extra cost of same.

POWER TAKE OFF ATTACHMENT for use with McCormick-Deering Tractors.

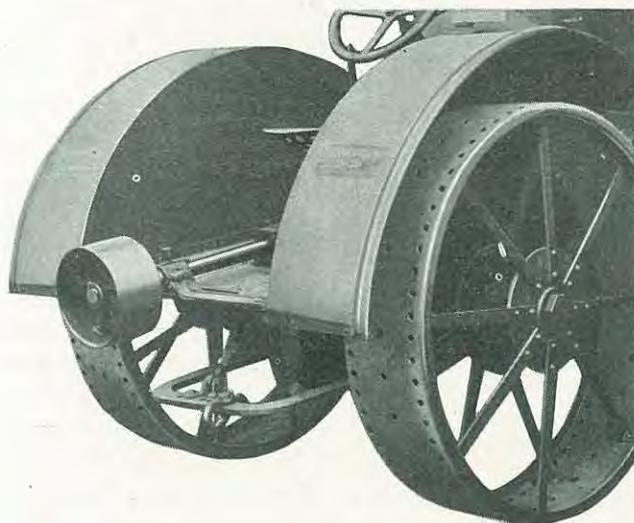


Illustration No. 16—Showing Meadows Power Take Off Attachment on 15-30 McCormick-Deering Tractor. This attachment is furnished for either 10-20 or 15-30, giving an additional source of belt power transmission, furnishing a splendid arrangement for operating cut off saw, etc. Size of pulley, 12"x6." R. P. M., 540 on 10-20 and 510 on 15-30.

Shipping weight about 100 lbs.

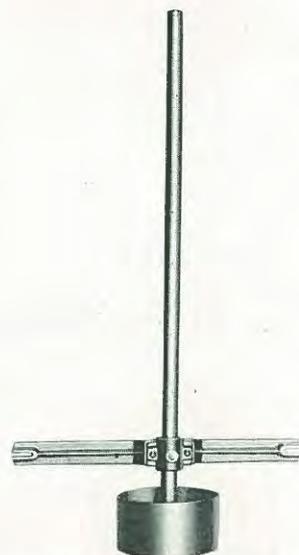


Illustration No. 17—Showing Meadows Power Take Off for either 10 - 20 or 15-30 McCormick - Deering Tractors. This is made to screw into tractor and no other parts are needed. Be sure to specify which size tractor rig is desired for as they are not interchangeable. Bolts for attaching furnished. See illustration No. 16.

No. 1—Meadows Stationary Wood Saw



Illustration No. 18

The most practical wood saw ever made for general farm use. Built of select timber with heavy bearings. The mandrel is 1 7-16" cold rolled steel.

The balanced tilting table with spring receder takes the backache out of sawing.

Comes regularly with 24" guaranteed cord wood saw. May be furnished with 26" or 30" saw if desired at slight extra cost. Equipped with 6x6 pulley. The table is 3'4" long.

Shipping weight approximately 190 lbs.

No. 2—Meadows Extra Heavy Stationary Wood Saw



Illustration No. 19

Designed for heavy duty. Built of heavy select timbers, made rigid and practically indestructible by special cast iron braces. May be operated successfully with power from three h. p. up to a tractor. Equipped with a balanced tilting spring receding table. The strong long table makes possible the sawing of long poles and slabs without the use of extension table. Mandrel 1 7-16". Regularly equipped with 30" saw. Equipped with 6"x6" pulley. Table 4'1" long.

Shipping weight 275 lbs.

Meadows Portable Saw Rigs

You Furnish the Engine—We Furnish the Saw Rig

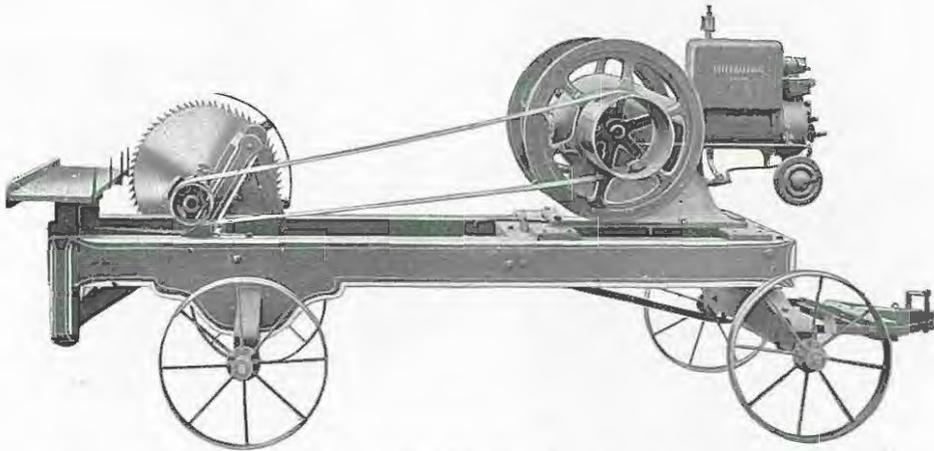


Illustration No. 20—Meadows Portable Saw Rig, for 3 horse power engine

The Meadows No. 3 Portable Outfit makes a profitable rig for neighborhood and general wood sawing about town. Many of these outfits are used on wood yards and general custom sawing. Will cut all the wood three men can handle in a day. It is provided with shafts so that one horse can easily transport it.

SPECIFICATIONS

Regular Equipment 24" Blade	Pulley 6"x6". Speed 1,200
Steel Wheels 20"x3"	Shipping Weight 600 lbs.
Balanced Tilting Table Under Cut	Net Weight 500 lbs.
Capacity 15 to 20 Cords Stove Wood per day	

No. 6 Meadows Portable Saw Rig, for 6 Horse Power Engine

The Meadows No. 6 Outfit is designed for a 6 h. p. engine and for heavy and rapid work and is strong and durable. It is finished with tongue less double tree and neck yoke.

SPECIFICATIONS

Regular Equipment 26" Blade	Net Weight 800 lbs.
Balanced Tilting Table	Steel Wheels 24"x3"
Shipping Weight 900 lbs.	Speed 1,200
Capacity 20 to 30 Cords per day	

Forest King Wood Saw For Fordson Tractor

(Quick detachable feature patented Aug. 5, 1924)

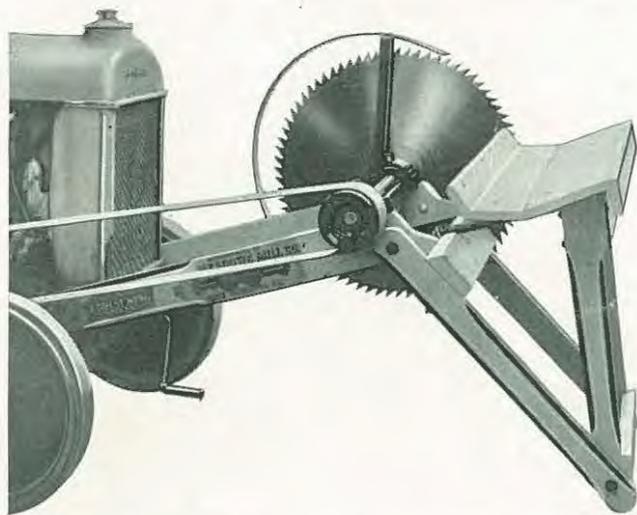


Illustration No. 21—Forest King Wood Saw for Fordson Tractor, showing it complete as shipped. Note weight of logs rests on ground, not on tractor radiator. This wood saw will not injure your tractor, and this is one of the reasons most Fordson Owners prefer the Forest King Wood Saw.

The Forest King Wood Saw has a balanced tilting spring control under cut table. Positively the easiest operated on the market. The weight of the wood and the undercut of saw practically feeds itself and the spring returns the table after each cut. This relieves much of the burden from the sawyer. Saw frame is short and compact and folds up flat for shipping. Nothing to put on but table, saw and guard, which are removed when shipped.

These Wood Saws are made for both Fordson and McCormick-Deering Tractors. See bottom of next page for specifications.

This type of easy detachable Wood Saw Rig is now one of the most popular and widely sold on the market. There is a tractor on practically every farm, ready to furnish the power for sawing the wood during the slack season. It is much easier to drive the Tractor and Wood Saw up to the wood than to laborously carry the wood up to a stationary saw table.

One man can attach or detach saw rig from tractor in one minute. Patented lugs are clamped to tractor frame and the arms of saw frame spring on over lugs, a single nut and cotter key holding them in place. WEIGHT OF SAW AND WOOD IS SUPPORTED BY LEGS FROM THE GROUND. Heavy table is so braced that it cannot careen into saw. Note how saw frame is hooked up on tractor in illustration No. 25, for moving and easy cranking. Front of tractor is clear.

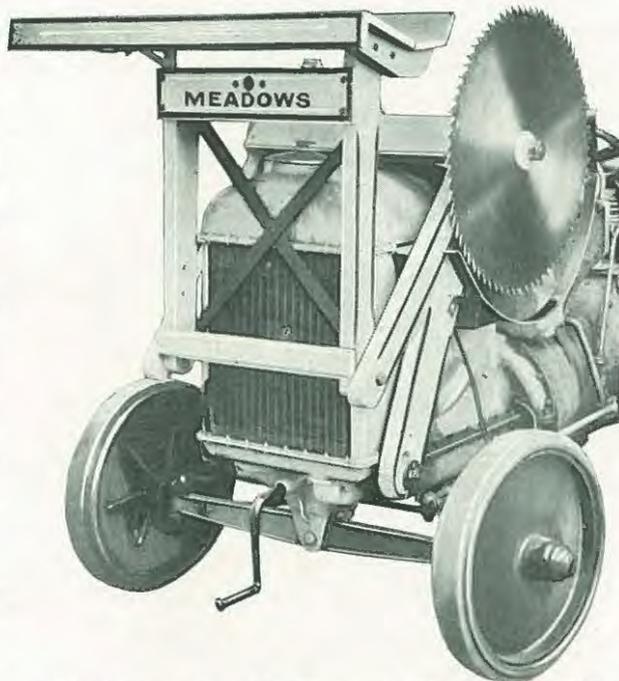


Illustration No. 22—Showing Forest King Wood Saw elevated for moving. When you are thru sawing, simply lift wood saw up. It folds back over tractor. Note that front of tractor is clear for easy cranking.

Forest King Wood Saw For McCormick-Deering Tractor

(Quick detachable feature patented Aug. 5, 1924)

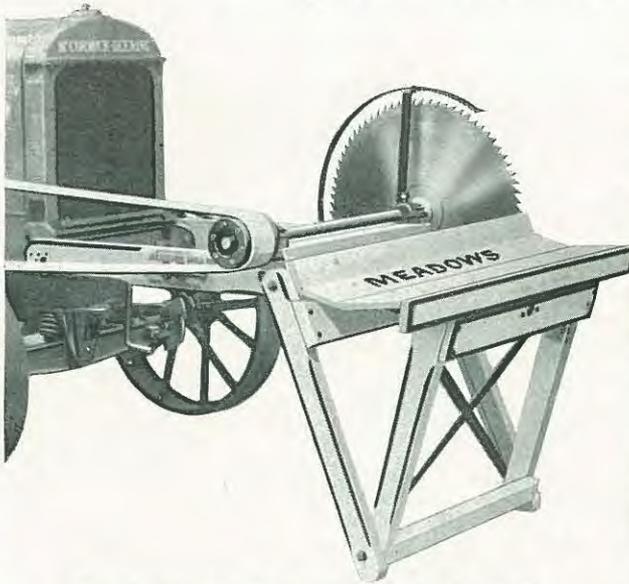


Illustration No. 23—Forest King Wood Saw attached to McCormick - Deering Tractor. Every McCormick - Deering Tractor owner wants one of these wonderful outfits. They are complete rigs.

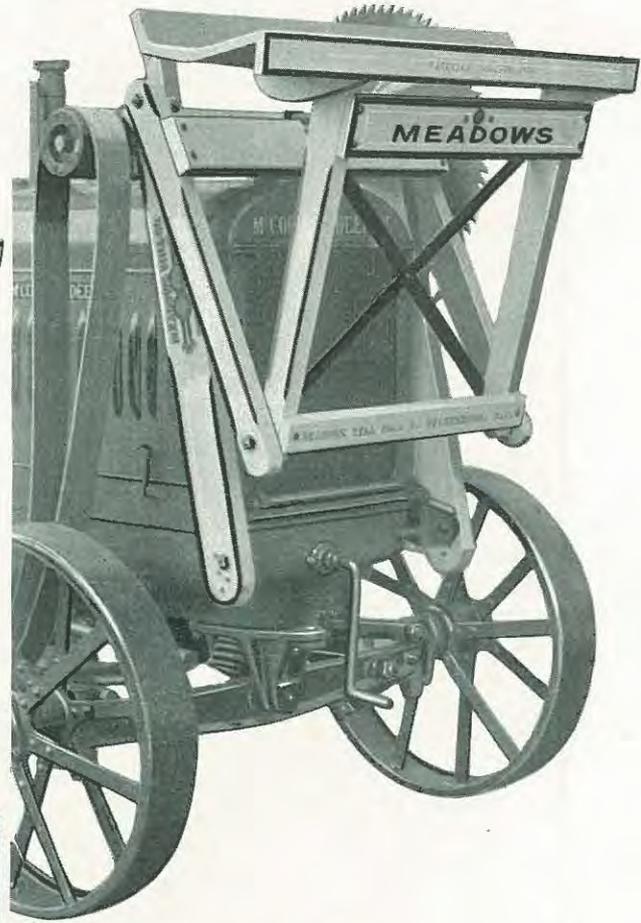


Illustration No. 24

This is a close up view showing how the patented lugs fit on tractor, also showing the Forest King Wood Saw elevated ready to move to another job. You can crank the tractor easily without inconvenience on this type of rig, as it is folded up out of the way. Every McCormick-Deering Tractor owner wants a Forest King because they pay for themselves in a few days.



Illustration No. 25—McCormick - Deering Tractor and Forest King Wood Saw at work sawing up the winter supply of wood. You can saw your own and your neighbors' if you wish in quick time.

REGULAR EQUIPMENT includes complete Wood Saw as illustrated, which comprises guaranteed 30" saw, and special high quality rubber belt, cut to proper length and laced. Complete outfit ready for business.

FOREST KING WOOD SAWS are made for FORDSON, 10-20 and 15-30 McCORMICK-DEERING TRACTORS. Be sure to specify which tractor the Wood Saw is wanted for as owing to different dimensions of tractors, Wood Saws are NOT INTERCHANGEABLE. This is important to note when ordering.

Meadows Mill Picks



Illustration No. 26—Meadows No. 27 Guaranteed Mill Pick.



Illustration No. 27—Meadows No. 83 Mill Pick.

We manufacture two styles of Meadows Mill picks that are satisfying the most exacting customers. One is a high grade, high priced pick (No. 27), polished, painted and guaranteed. If it breaks or batters we will replace or re-temper and prepay postage gratis, when we receive the defective pick, postage prepaid, for our inspection.

Dressing burrs once proves quality of pick.

No. 83 is a high grade, low priced pick, but is not guaranteed. It is lighter than the high priced pick, made of the same high grade steel, and used exclusively by workmen in our factory.

Picks are tempered and tested on our burrs, and **Meadows trade-mark** is stamped into the steel of both. We will not replace any pick if worked on by any blacksmith.

Every miller ought to have two picks to keep his mill burrs in good shape. Picks are cheaper than horse power. Keep your mill sharp and you will need less horse power. You will use less fuel. Dull burrs grind slow, pull hard and make hot meal.

A cheap pick will do more damage to your burrs than a good one will cost, to say nothing of the time you lose, and smith bills. Order two of our guaranteed picks today. They are tested on our burrs before shipping.

Meadows Mill Meal Bags

If you will sell your meal in regular Meadows Mill Meal Bags you will be taking advantage of the immense amount of advertising which has been done by Meadows Mill Company to educate the public to the point where they will insist on Meadows Mill Meal. They know that Meadows Mill Meal is clean and healthful. Meadows Mill Meal Bags are made of highest grade Security Craft paper, easy to tie and handle, and attractive in appearance.

Meadows Mill Meal Bags are furnished in the following sizes: 10 lb., 12 lb., 24 lb., and 25 lb.

We can supply at small cost a Rubber Stamp and Ink Pad so that you may print your name and address on Meal Bags.

MILL SUPPLIES

On the following pages will be found illustrated a few of the principal items that we carry in stock. Space does not permit us giving a full list of the many items we are prepared to supply, such as: Cast Iron and Steel Split Pulleys, Hangers, Cold Rolled Steel Shafting, Files, Drill Bits, Machine Bolts, and Bolts of all kinds, Machine Knives, Band Saws, Hack Saws, Saw Swages and Saw Tools of all kinds, and practically every other need of the Mill, Shop and Farm. Let us quote you on all your requirements before you buy elsewhere. It will pay you, because we are in position to offer you better prices than concerns that must purchase their stock in small lots. The Meadows Mill Company has served the people of the South for over a quarter of a century. We are constantly adding new customers to our list. When you are in need of Mill Supplies give us a trial.

Genuine Hoe, Atkins, Simonds and Diston Circular Saws



Illustration No. 29

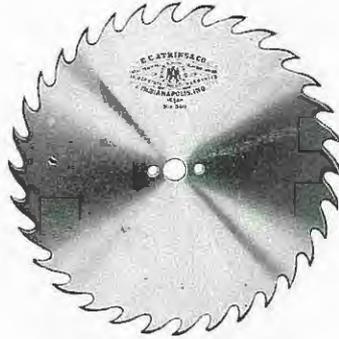


Illustration No. 30

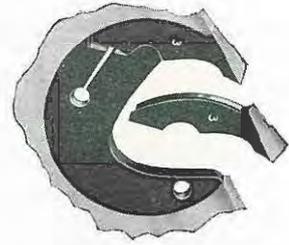


Illustration No. 31

We recommend the CHISEL TOOTH SAWS for use on MEADOWS MILLS operated by tractor power. The No. 3 Style Tooth is a good all-around size, especially adapted for Tractor Saws in the following specifications:

Diameter Inches	Guage		Number Teeth
	At Eye	At Rim	
40	9	10	28
42	9	10	30
44	9	10	32
46	9	10	34
48	9	10	34

(With each saw is included one extra set of bits, three extra shanks and a wrench. Bits $\frac{1}{4}$ " point.)

No. 3 Tractor Saws as above are standard and always carried in stock. We can secure promptly from factory saws of any other size or style desired.

Bits and shanks furnished for all makes of saws.

Cord Wood Saw Blades 24", 26" and 30" sizes with $1\frac{3}{8}$ " eye carried in stock at all times.

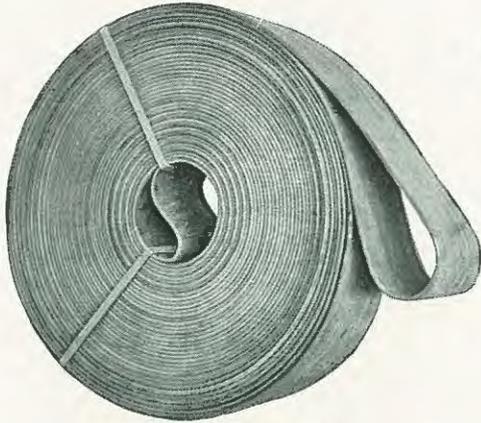


Illustration No. 32

The following sizes rubber belt carried in stock for prompt shipment. Send us your inquiries for sizes not listed.

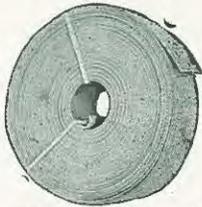


Illustration No. 33

Width	Ply
3"	4
4"	4
6"	4

GOODYEAR

Goodyear Klingtite Endless Special Saw Mill Belts are carried in stock for prompt shipment at all times. We will gladly quote on Endless Belts for special purposes not listed herein.

Width	Ply	Length
6"	4	50 ft.
6"	4	75 ft.
6"	4	100 ft.
7"	4	75 ft.
7"	4	100 ft.
8"	4	75 ft.
8"	4	100 ft.
8"	5	80 ft.

ALLIGATOR Steel Belt Lacing

REGISTERED IN U. S. PATENT OFFICE

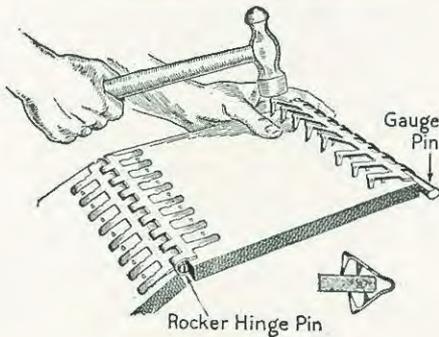


Illustration No. 34

For use on leather, rubber, balata, stitched canvas or solid woven belting, giving a smooth, flexible joint, excellent for general service, high speed and heavy duty.

Efficient separable hinge lacing of extreme strength. Protects ends of fabric belts. Operates successfully with an idler or on serpentine drives.

No Tool required but a hammer.

Packed in boxes complete with guage and hinge pins.



REGISTERED TRADE MARK

We can furnish Alligator Belt Lacing for any size or kind of belt.



Illustration No. 35

Genuine Rusco Woven Waterproof Belting furnished with Meadows Saw Mills for feed belts, and can be supplied in 3 and 4 inch widths from stock at all times. Other widths shipped from Atlanta, Ga.

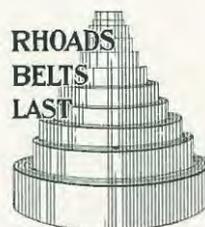
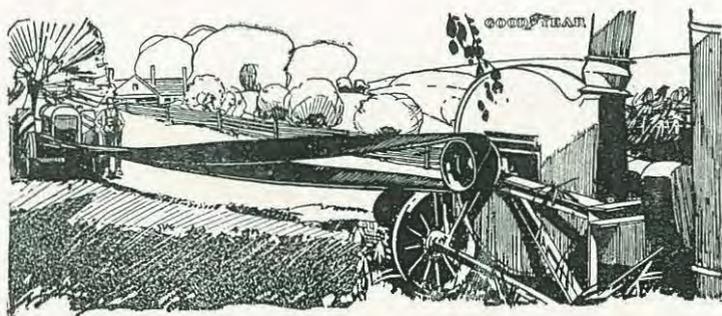


Illustration No. 36

Rhoads Leather Belting carried in stock in 1 inch, 2 inch, 3 inch and 4 inch sizes. We can furnish a Rhoads Leather Belt for any drive.

BELT DRESSING

Cantol and Genuine Black Diamond Belt Dressing carried in stock at all times, in convenient one pound tubes.

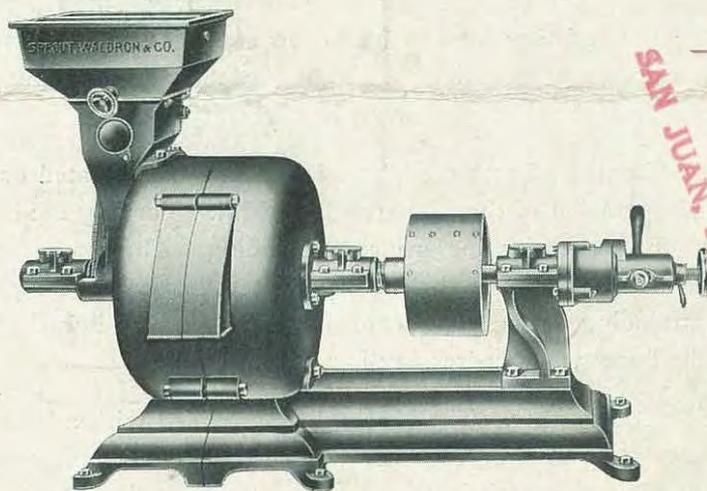


We can supply your every need in the belting line.

MEADOWS MILL COMPANY, Inc.

NORTH WILKESBORO, N. C., U. S. A.

▲ THE ▲
MONARCH ▲
STANDARD VERTICAL ▲
BURR MILL ▲



GENERAL FARM EQUIPMENT CO.
P. O. BOX 3588
ALLEN 71
SAN JUAN, PUERTO RICO

Recommended for Grinding
Corn Meal, Buckwheat, Rye, Graham, Whole Wheat Flour, Turkish
Coffee, Chemicals, and a Variety of Special Products.

Built entirely of iron, steel and stone. Will not warp, twist or get out of alignment.

Bulletin 1600

▲ SPROUT, WALDRON & CO., Inc. ▲
Designers, Engineers and Manufacturers
MUNCY, PA., U. S. A.



The Monarch Standard Vertical Burr Mill

ADVANTAGES

Makes Cool Clean Soft Meal. Stone burr grinding produces a fine, fluffy soft meal, unequaled by any other grinding process. Monarch Burr Mill Stones are dressed to suit the product to be ground.

Heaviest and Most Durable Burr Mill Made. Life time service is built into Monarch Burr Mills. The all iron, steel and stone construction gives durability and strength, eliminates warping and twisting frames that throw stones out of alignment, and insures even and uniform continuous grinding. All parts are made to template, and can be easily and quickly renewed should replacement be necessary.

Easy to Adjust, Simple to Operate. There is nothing complicated or difficult to understand about the operation of the Monarch Burr Mill. Turning the handwheel of the adjusting end, sets the stones for fine or coarse grinding. The stones are properly furrowed and dressed when they leave the factory and need only be redressed occasionally to keep the mill producing to maximum capacity. The base and shell is split to permit easy opening of the burrs when redressing is necessary.

Burrs Cannot Drift Together. The Monarch is provided with a heavy safety spring that keeps the Burrs from drifting together when the mill is running empty. Also a quick release mechanism to permit instant spreading of burrs if some foreign object gets into the mill. Compared point for point you cannot find a better burr mill or one that requires so little attention to keep it in working order or so little expense to maintain it.

Furnished With or Without Weevil Cleaner and Bolter. Where it is desired we can furnish the Monarch Standard Burr Mill equipped with a fan for drawing off weevil, chaff and other impurities before grinding. It may also be equipped with a bolter or meal sieve, making a complete outfit for producing finely ground and bolted meal.

Made in Five Sizes. This type of mill is made with stones 12-inches to 30-inches diameter. Quality considered, this mill is the most economical you can find anywhere.

Universally Used. Monarch Standard Vertical Burr Mills are in world wide use. More than 10,000 mills have been built, and wherever in use are acknowledged as simple to operate, easy to maintain and profitable to own.

Furnished With French Burr or Native Stones. We are prepared to furnish any of these mills with genuine imported French Burr or native pebble grit burrs.





The Monarch Standard Vertical Burr Mill

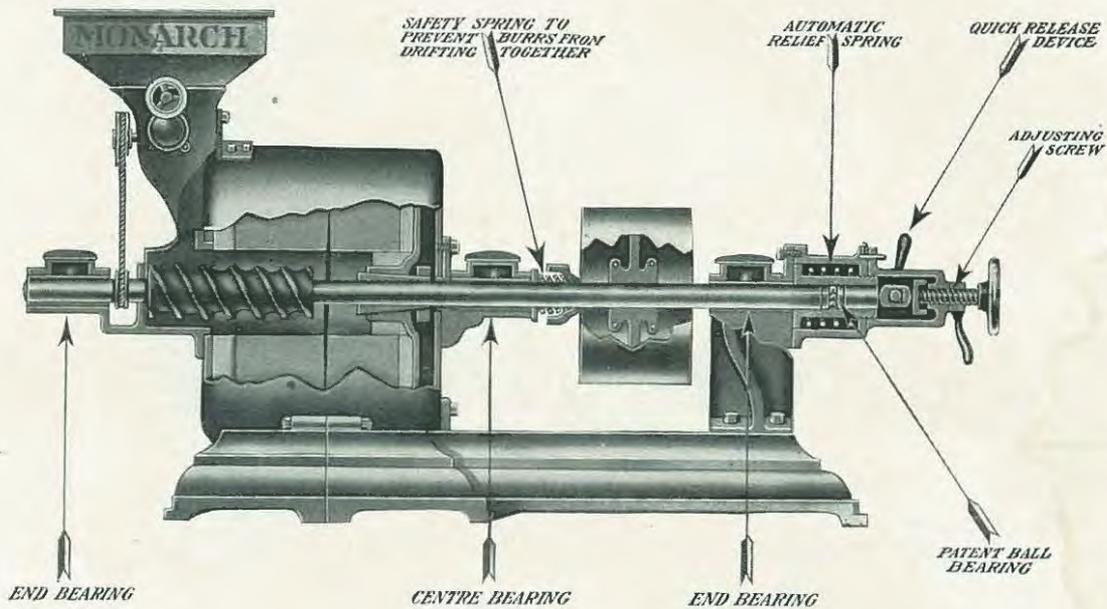


Fig. 1101
Sectional View of The Monarch Standard French Burr Mill

Refer to the sectional view of the Monarch French Burr Mill and note the manner of its interior construction, especially how all superfluous mechanism has been eliminated in it. A very large amount of machine work enters into their construction, but no expense has been spared on either major or minor details, to make them absolutely perfect in every way possible. The Monarch is a mill that should, and will, appeal to every conscientious purchaser.

Quick Release, Ball Bearing and Relief Spring

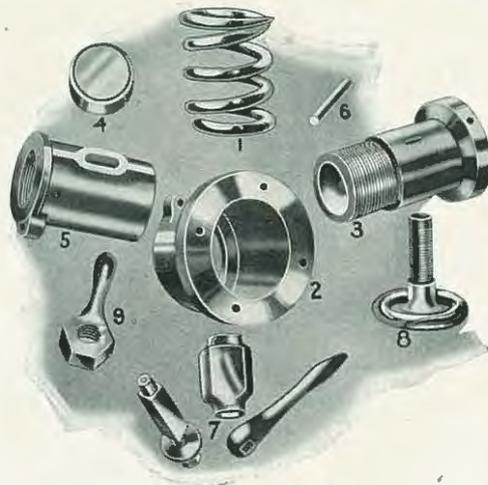


Fig. 1102

Fig. 8 is the adjusting screw which regulates the coarseness or fineness of the grinding. Fig. 9 is the jamb nut which locks the adjusting screw after the mill has been regulated.

The adjustable end of the mill is composed of the parts shown in opposite cut.

Fig. 1 is the Relief Spring which allows the burrs to separate when any hard substances comes between them. It consists of heavy coiled steel and is placed in the case (Fig. 2) which is bored and turned and bolted to the flange on the end bearing. On the inside of this spring we place the steel step box (Fig. 3) in which the patent ball bearing (Fig. 4) is located. This works between the end of the spindle and the eccentric of the cam flattened on two sides, the ends being on a true circle.

Fig. 5 is the casting containing the quick release which screws on the step box (Fig. 3) and fits snugly against the small end of the case (Fig. 2). It is held in position by the small pin (Fig. 6) which passes through the flanges on the case and the casing containing the quick release (Figs. 2 and 5). Fig. 7 represents our quick release located in the casing (Fig. 5), as you will see by referring to the illustration.





The Monarch Standard Vertical Burr Mill

The Main Shells

Figs. 1104 and 1103 show the two halves of the mill. Sufficient space is left around the running burr for a free delivery of material and an easy circulation of air. We face the edges of the shells where they join and rabbet them on a lathe till they fit perfectly.

Note the four small bosses located on the side of the shells. They face parallel to the rabbeted edge, with holes bored exactly in the center of their rabbeted circles to fit the centering bosses on the opposite shell to which they are bolted with long heavy bolts of great strength.

The delivery spout is of a very convenient shape, is less apt to clog than any other and is constructed along scientific lines. Figs. 1104 and 1103 clearly illustrate the points mentioned.



Fig. 1103
Bed End of Mill

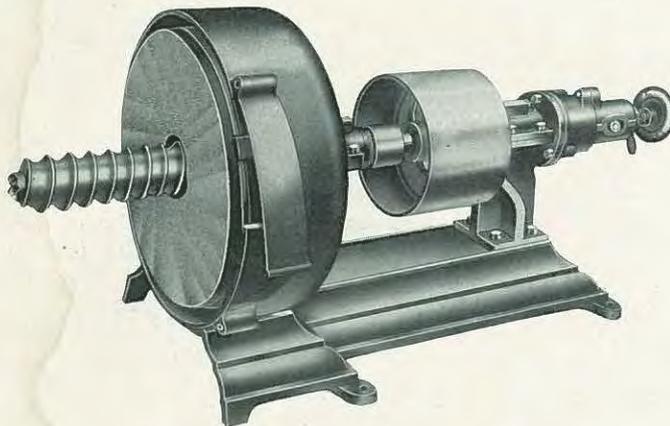


Fig. 1104
Runner or Adjusting End of Mill

The Monarch Method of Fastening the Runner on the Spindle

We fasten the runner to the spindle by a patented device of our own, which consists of a split tapered sleeve as shown in cut. By this device it is possible to easily and accurately move the runner on the spindle and still keep it in perfect face with the bed-stone. This device closes completely around the spindle and extends the full length of the hub, bringing the face of the runner burr always at a right angle with the spindle. You will see by this method it can be kept in perfect face with the bed-stone and at the same time can be easily moved.

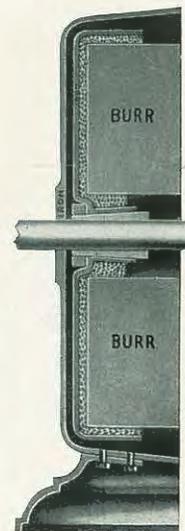


Fig. 1105





The Monarch Standard Burr Mills

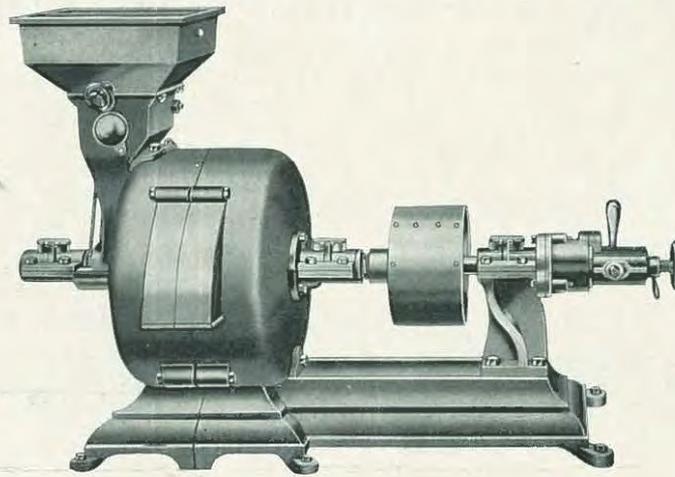


Fig. 1108
Left-Hand Mill

These illustrations represent our right and left-hand mills. Unless otherwise specified, all mills will be furnished left hand. Any of our mills, either standard or interchangeable, can be furnished right hand when it is necessary to suit the place or drive.

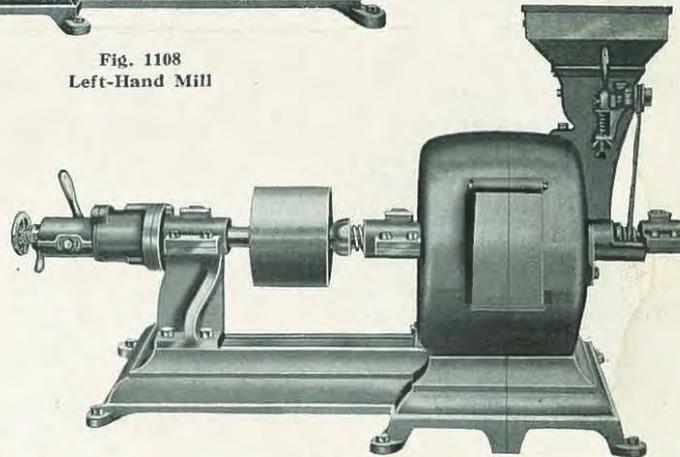


Fig. 1109
Right-Hand Mill

Dimensions

Size Inches	PRICE		Length Overall	Width Overall	Height Overall	Distance From Floor to Center of Shaft	Floor Space Base Occupies Inches
	With Self-Oiling Bearings						
12	On Application		4' 4"	1' 9 1/2"	2' 8"	1' 1"	20 x 39
16			5' 0"	2' 1"	3' 2"	1' 3"	22 x 45
20			6' 0"	2' 2 1/2"	3' 5"	1' 4"	24 x 54
24			6' 4"	2' 8 1/2"	3' 8"	1' 5"	27 x 57
30			6' 6"	3' 2 1/4"	4' 7"	1' 8"	30 x 53

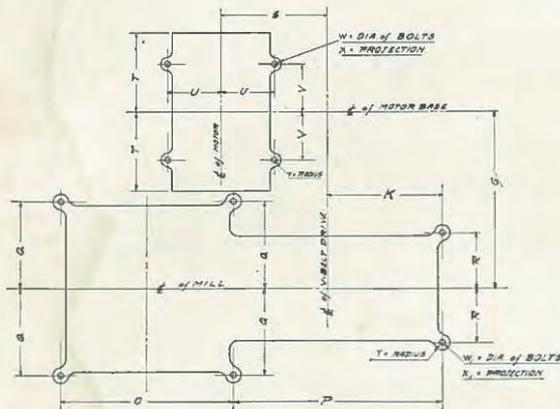
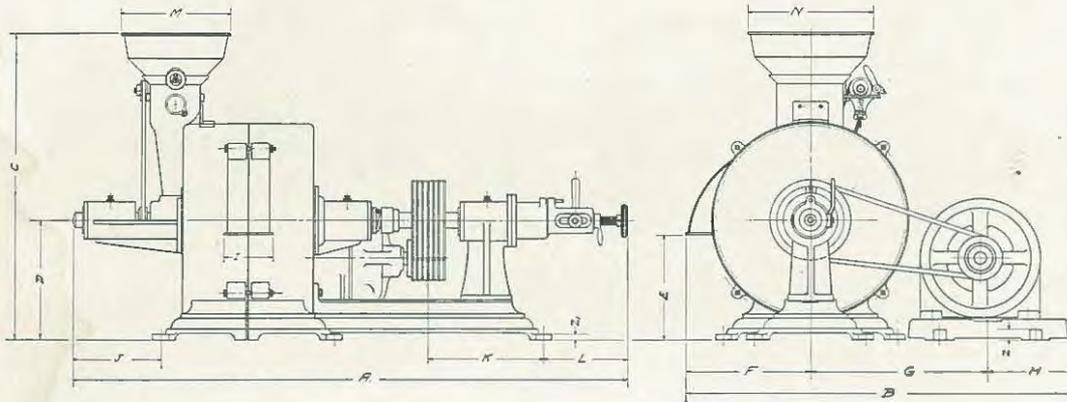
Speeds, Weights, Capacities, Etc.

Size Inches	SIZE OF PULLEY		Speed R. P. M.	Horse Power Required	Capacity per Hour Feed Meal Bushels	Capacity Per Hour Table Meal Bushels	Weight Lbs.	BOXED FOR EXPORT	
	Diameter Inches	Face Inches						Weight Lbs.	Volume Cubic Ft.
12	8	5	1000 to 1200	4 to 6	12 to 15	5 to 7	500	730	25
16	10	6	1000	6 to 10	20 to 25	10 to 12	800	1100	34
20	12	8	800	10 to 15	40 to 50	15 to 20	1350	1615	52
24	16	8	700	15 to 25	60 to 70	20 to 25	1800	2310	65
30	20	8	650	20 to 30	70 to 100	25 to 30	2500	2900	97





The Monarch French Burr Mill With Hyatt Bearings, Motor and V-Belt Drive



This is our latest development in the line of justly famous Monarch Burr Mills. Hyatt Roller Bearings have been applied to the shafts carrying the stones making the mill free running without surrendering any of the adjusting advantages of the standard Burr Mill. Application of the V-Belt Drive to connect Motor and mill has proved to be an economical, efficient, compact drive.

Prices furnished on request.

Specifications in Inches

Size Mill	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
12	55 $\frac{1}{2}$	40	32	13	11	11 $\frac{3}{4}$	18 $\frac{3}{4}$	9 $\frac{1}{2}$	5 $\frac{1}{2}$	8 $\frac{1}{4}$	13	10	13 $\frac{1}{8}$	13 $\frac{1}{8}$	17 $\frac{1}{2}$	19 $\frac{3}{4}$	8 $\frac{3}{4}$	7	10 $\frac{1}{4}$
16	63 $\frac{7}{8}$	48 $\frac{1}{2}$	37 $\frac{1}{4}$	14 $\frac{3}{4}$	13	14 $\frac{1}{4}$	22 $\frac{1}{4}$	12	6 $\frac{1}{4}$	9 $\frac{5}{8}$	14 $\frac{1}{2}$	11	14 $\frac{3}{4}$	16 $\frac{1}{4}$	19 $\frac{1}{4}$	23 $\frac{3}{4}$	9 $\frac{5}{8}$	7 $\frac{1}{4}$	12 $\frac{7}{8}$
20	74	60 $\frac{5}{8}$	40 $\frac{1}{2}$	16	14	15 $\frac{3}{4}$	23 $\frac{3}{4}$	12 $\frac{1}{8}$	7	10 $\frac{3}{8}$	17	11 $\frac{1}{2}$	15 $\frac{3}{4}$	17 $\frac{3}{4}$	23 $\frac{1}{4}$	28 $\frac{3}{4}$	10 $\frac{7}{8}$	7 $\frac{5}{8}$	13 $\frac{7}{8}$
24	78 $\frac{7}{8}$	61	44 $\frac{1}{4}$	17 $\frac{1}{4}$	17	17 $\frac{1}{2}$	29 $\frac{7}{8}$	13 $\frac{5}{8}$	7 $\frac{1}{4}$	12 $\frac{1}{2}$	17	11 $\frac{7}{8}$	16	18	24 $\frac{3}{4}$	29 $\frac{3}{4}$	12 $\frac{1}{8}$	7 $\frac{7}{8}$	14 $\frac{3}{4}$
30	79 $\frac{7}{8}$	65	55 $\frac{1}{2}$	20	19	21 $\frac{1}{2}$	29 $\frac{7}{8}$	13 $\frac{5}{8}$	8	12 $\frac{1}{2}$	18	11 $\frac{7}{8}$	20	23 $\frac{1}{2}$	25 $\frac{1}{2}$	30	14	8 $\frac{1}{2}$	16 $\frac{3}{8}$

Size Mill	T	U	V	W	X	Y	Z	W ₁	X ₁	Y ₁	Z ₁	Pitch Diam. Motor Sheave	Pitch Diam. of Sheave on Mill	Number of Ropes	Speed of Motor	H. P. of Motor
12	8 $\frac{7}{8}$	6 $\frac{5}{8}$	6 $\frac{1}{4}$	1 $\frac{1}{2}$	2	1 $\frac{5}{8}$	1	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{8}$	7 $\frac{7}{8}$	6.4	11.0	2-60B	1735	5
16	11 $\frac{3}{8}$	8 $\frac{1}{2}$	8	1 $\frac{5}{8}$	2 $\frac{1}{2}$	1 $\frac{7}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{8}$	7 $\frac{7}{8}$	6.4	11.0	4-68B	1750	10
20	11 $\frac{3}{8}$	9 $\frac{1}{4}$	8	1 $\frac{5}{8}$	2 $\frac{1}{2}$	1 $\frac{7}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{8}$	7 $\frac{7}{8}$	5.6	11.0	6-68B	1750	15
24	13 $\frac{5}{8}$	8 $\frac{3}{4}$	8 $\frac{5}{8}$	1 $\frac{5}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{8}$	7 $\frac{7}{8}$	6.4	13.6	6-90B	1750	20
30	13 $\frac{5}{8}$	8 $\frac{3}{4}$	8 $\frac{5}{8}$	1 $\frac{5}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{8}$	7 $\frac{7}{8}$	6.4	13.6	9-90B	1750	25





The Monarch Light Power Burr Mill

A small mill carefully designed for use where only a small amount of power is available. This mill was designed primarily for use in farms and plantations where it was desired to grind shelled corn, oats, rye, buckwheat into feed or meal. For this purpose it is ideal, and it requires only a small amount of power. Laboratories, chemical plants and producers of special products, having only a small amount of grinding to do, have also found this mill an exceptionally economical one. It is equipped with genuine solid French Burr Stones. It can be easily taken apart for redressing stones; has a vibratory feeder, and can be adjusted to grind fine or coarse while in operation. It is ready to operate when received from the factory.

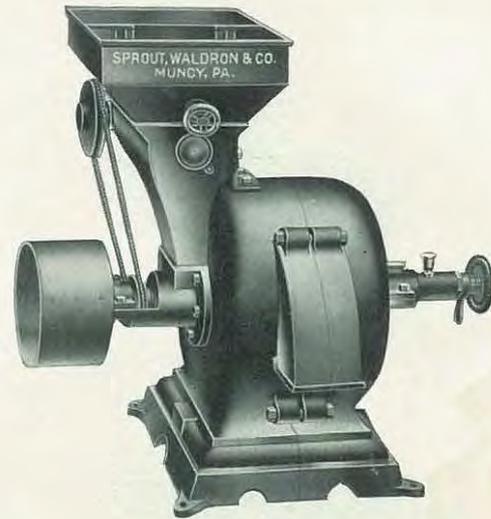


Fig. 1110

Specifications

Size Inches	Length Inches	Height Inches	Width Inches	Floor Space Inches	Size of Pulley Inches	Height from Floor to Center of Spout, In.	Height from Floor to Center of Shaft, In.	Speed R. P. M.	H. P. Required	CAPACITY BUSHELSPER HOUR		Weight Lbs.	BOXED FOR EXPORT	
										Table Meal	Feed Meal		Weight Lbs.	Volume Cu. Ft.
10	32	27	17	16 x 17	7 x 4	8 1/2	10	1000 to 1200	3	2 to 4	4 to 8	325	420	12
12	36	32	19	17 x 17	8 x 5	10 3/4	13	800 to 1200	5	4 to 6	6 to 12	400	530	16

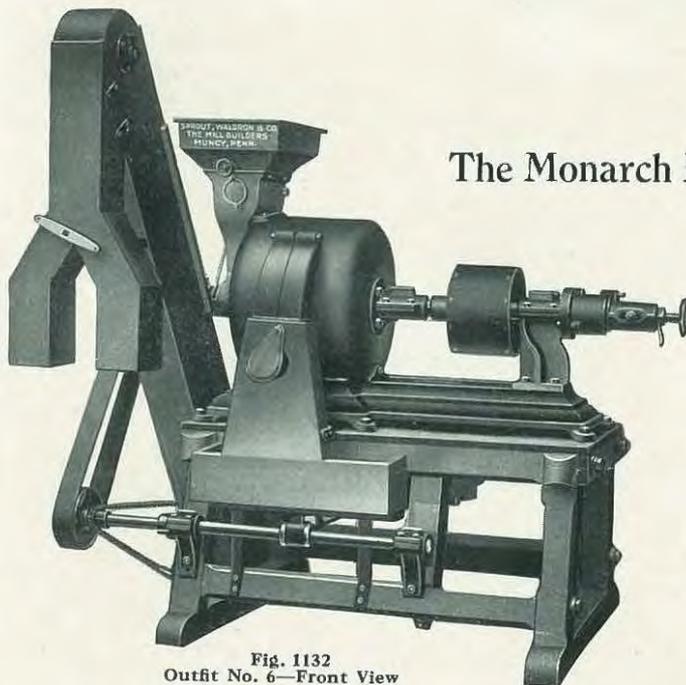


Fig. 1132
Outfit No. 6—Front View

The Monarch Milling Outfits

Combination Outfit No. 6

Specially designed for grinding and bolting corn meal, buckwheat, rye and graham flour. The meal is delivered from mill to bolter, thence to elevator boot, and is carried and delivered to sacks. Extra sieves for different products can be furnished. When grinding feed it is not necessary to run stock over sieve. Furnished complete except driving belt.

Specifications

Size of Mill	List Price	OVERALL DIMENSIONS			Floor Space Inches Length Width	Weight Lbs.	Boxed for Export	
		Length	Width	Height Feet			Weight Lbs.	Volume Cu. Ft.
12	On Application	5' 0"	6' 2"	6	46 x 42	950	1500	75
16		5' 9"	6' 4"	6	48 x 45	1250	1890	100
20		6' 10"	6' 6"	6	54 x 50	1700	2770	124





The Monarch Standard Burr Mill with Meal Sieve and Fan

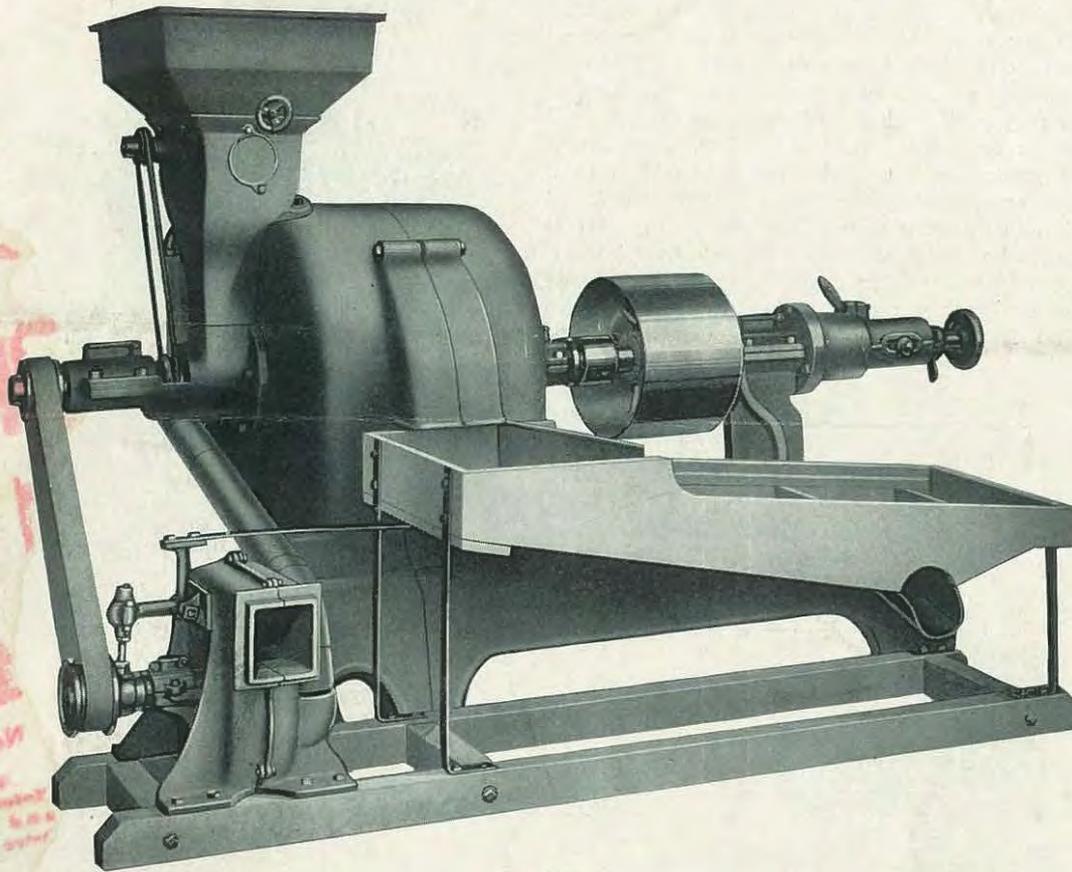


Fig. 1152

The above outfit consists of our Standard Burr Mill, a fan to clean the grain before grinding and a sieve for bolting the meal. The outfit is made for three sizes of mills, namely: 12, 16 and 20 inch. Makes a clean, wholesome meal, free from ground chaff and other impurities.

Dimensions, Capacity, Etc.

Size of Mill Inches	List Price	Floor to Center of Shaft Inches	Overall Dimensions			Floor Space Occupied		Size of Pulley Inches	Speed R. P. M.	Capacity Per Hour Bushels	Weight		Volume Cu. Ft.
			Length Inches	Width Inches	Height Inches	Length Inches	Width Inches				Net	Gross	
12	On Application	20 $\frac{3}{4}$	56	39 $\frac{3}{4}$	29	48	27 $\frac{1}{2}$	8 x 5	1000	5 to 7	880	1080	40
16		21 $\frac{3}{4}$	64	44	35 $\frac{1}{2}$	55 $\frac{1}{2}$	34	10 x 6	1000	10 to 12	1140	1650	60
20		21 $\frac{3}{4}$	76	46 $\frac{1}{2}$	37 $\frac{1}{2}$	65 $\frac{1}{2}$	36	12 x 8	800	15 to 20	1850	2430	80

In addition to the Burr Mills shown in this booklet, we manufacture a complete line of Heavy Duty Interchangeable Type, Top and Under Runner Types and a full line of accessories for same

