

INSTRUCTIONS

FOR SETTING UP AND OPERATING THE

MEADOWS

WHITE FLINT GRANITE

GRIST MILLS

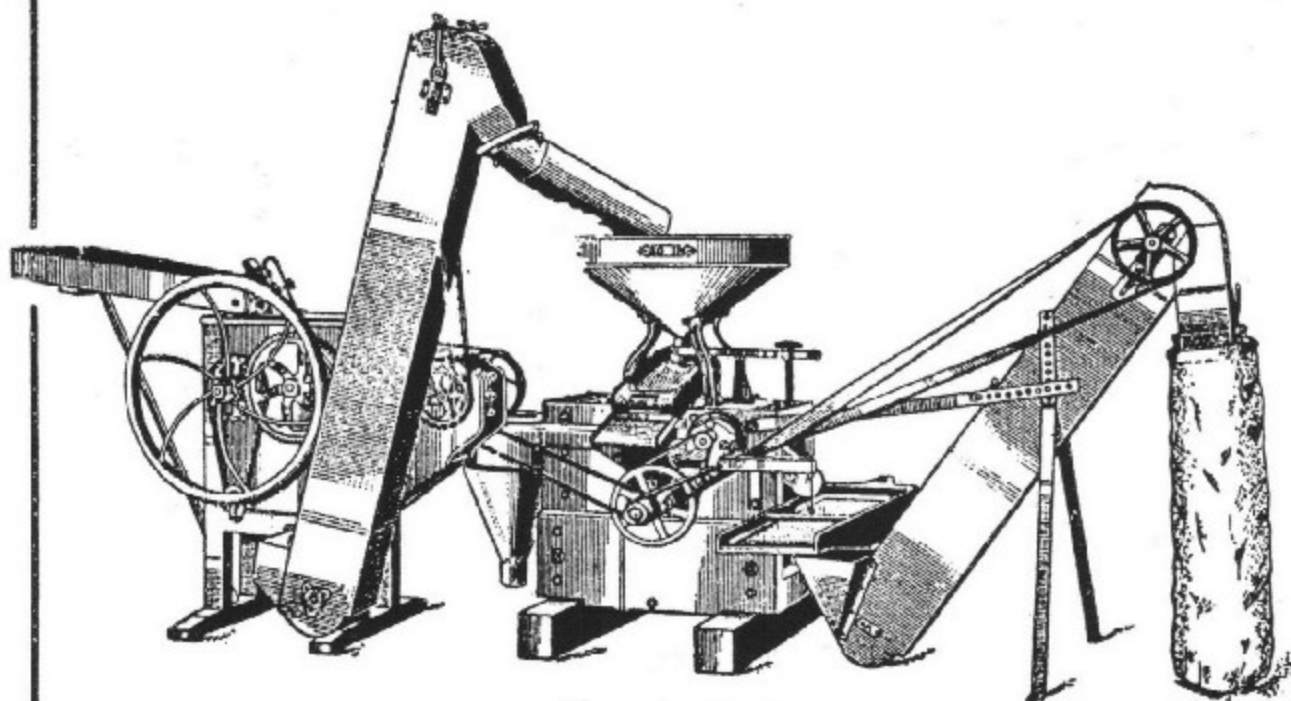


Illustration No. 1
Meadows Mill with Fan, Cyclone Collector, Sacking Elevator and Two-Hole
McCormick-Deering XL Corn Sheller

WITH PRICE LIST AND ILLUSTRATIONS OF REPAIR PARTS

➤ ORDER REPAIRS EARLY TO AVOID DELAYS ➤

SOLD BY

INTERNATIONAL HARVESTER COMPANY
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. 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 $\frac{8}{180}$
add 12" the diameter of pulley on 20" Meadows Mill
proper distance 172" between mill and engine shafts.

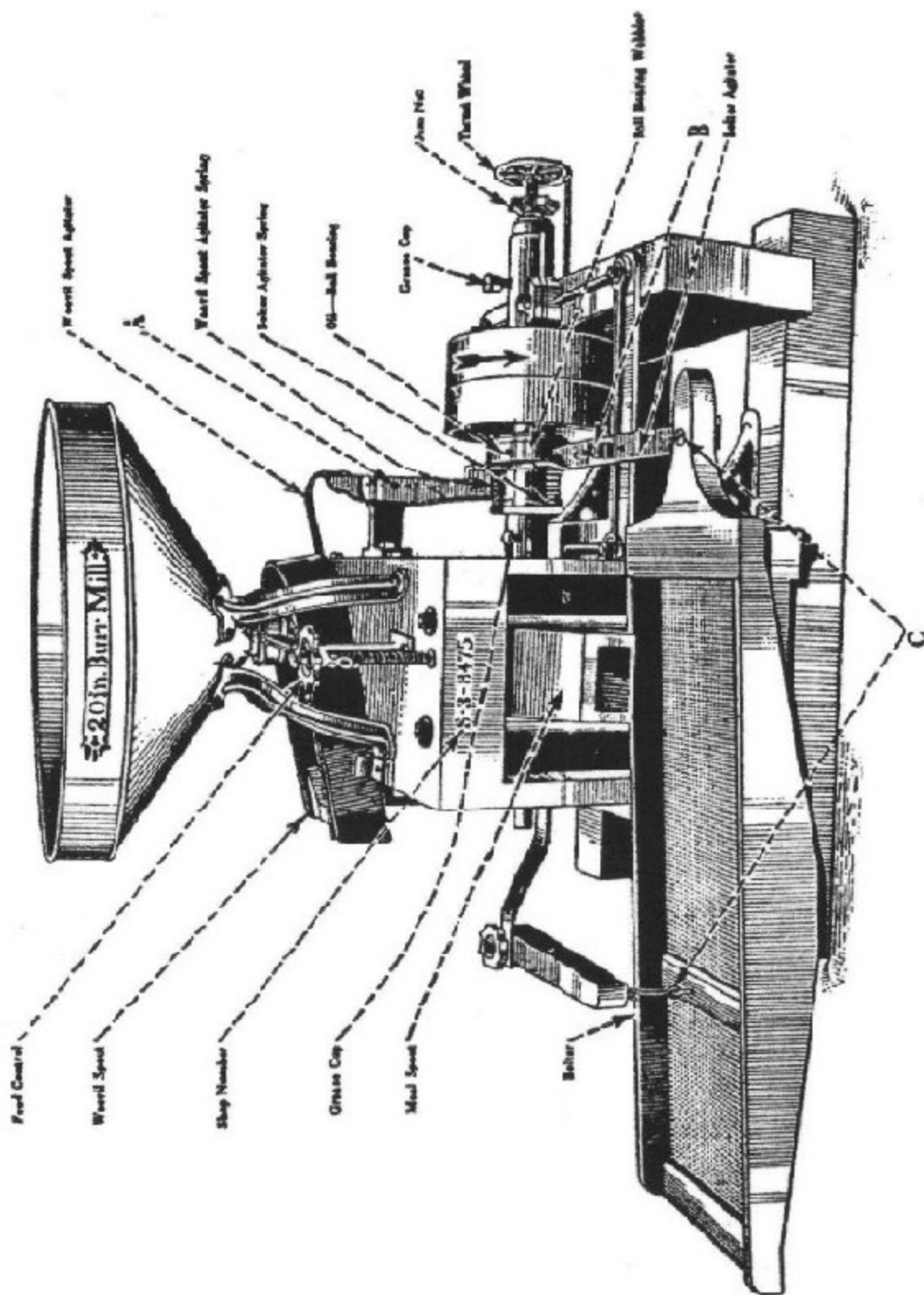


Illustration No. 2—Front view of mill.

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 wabbler 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 "A" down; to decrease flow of grain move bolt "A" up.

AGITATOR SPRINGS. To increase tension of springs when they become weak, move wabbler 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.

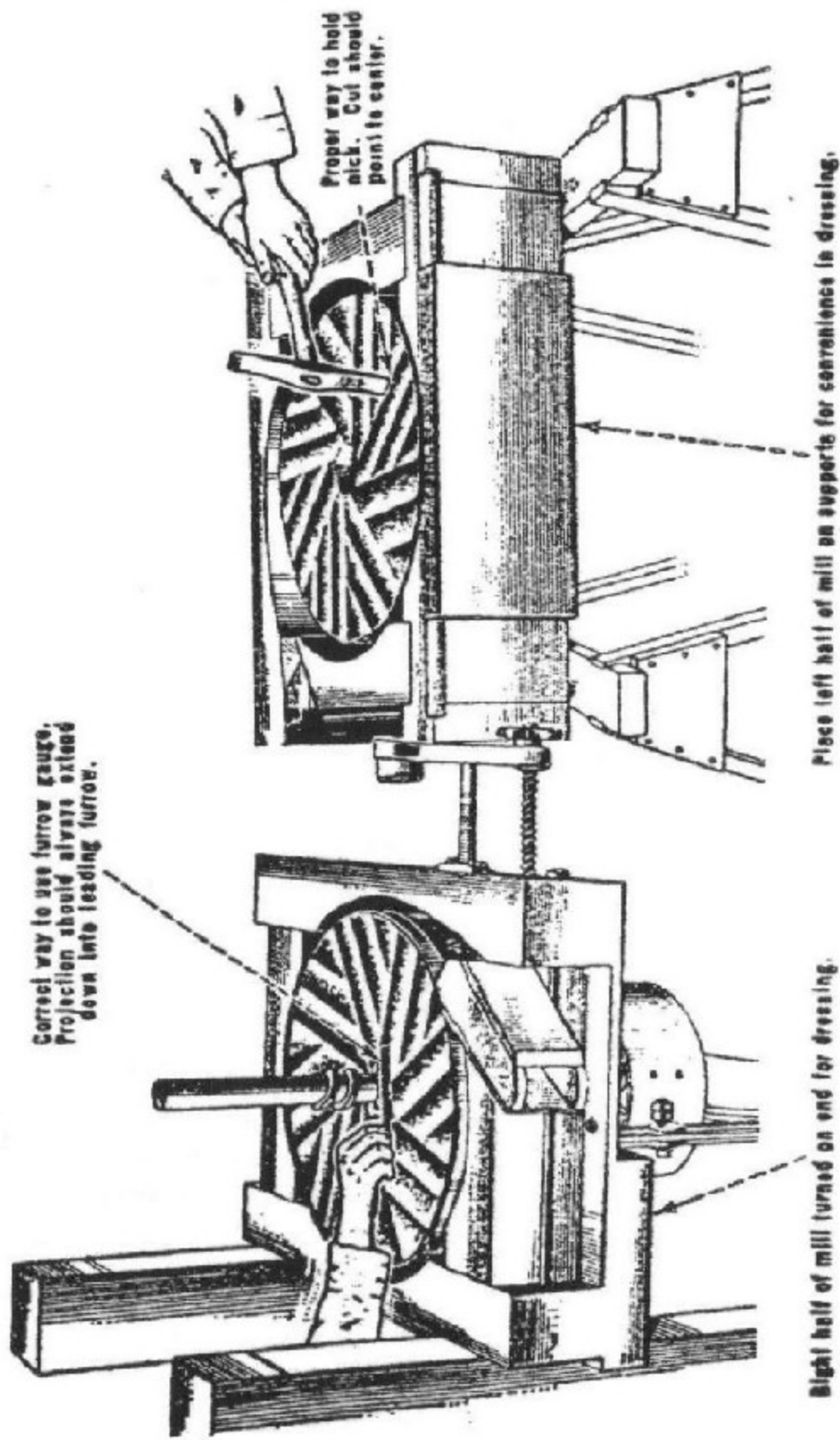


Illustration No. 3

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.

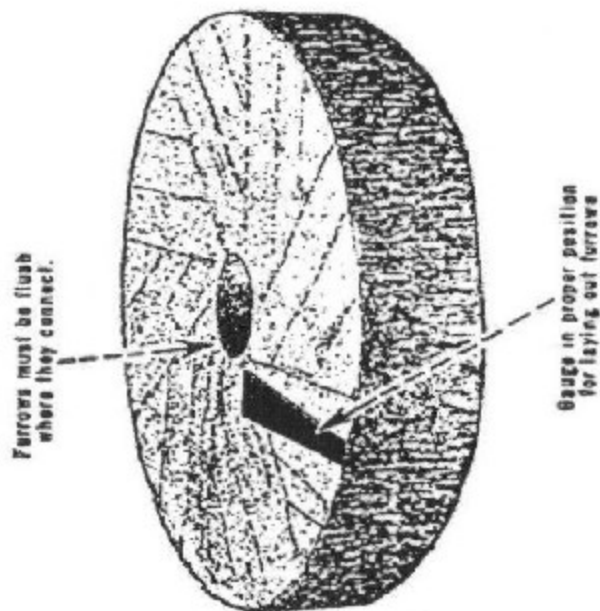


Illustration No. 4

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

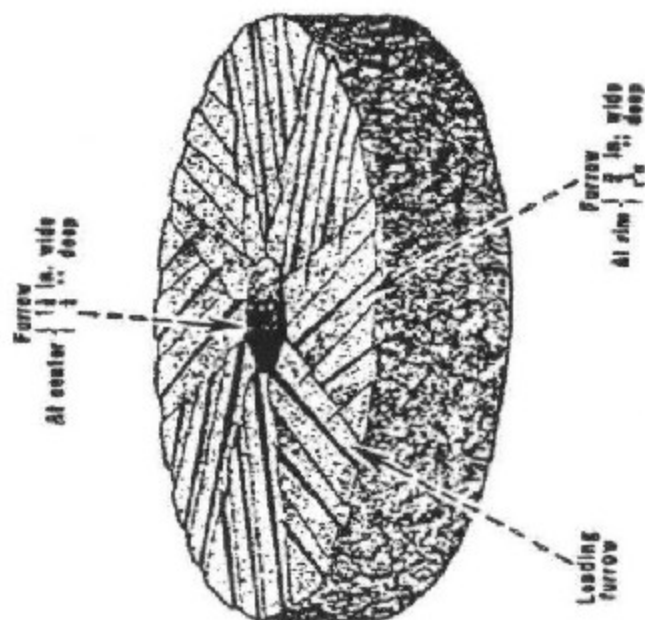


Illustration No. 5

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.)

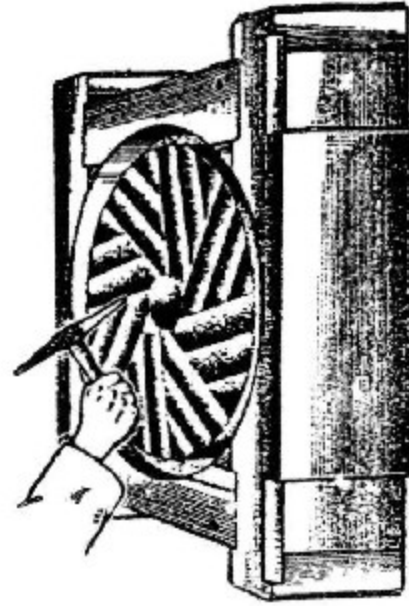


Illustration No. 7

Wrong way to handle pick

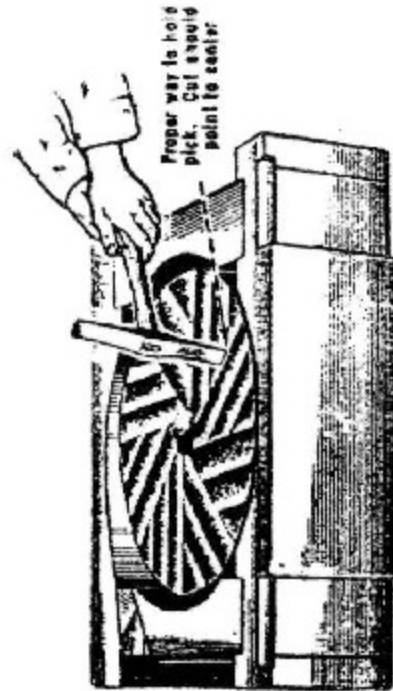


Illustration No. 8

Right 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 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, 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. Furthermore, 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.

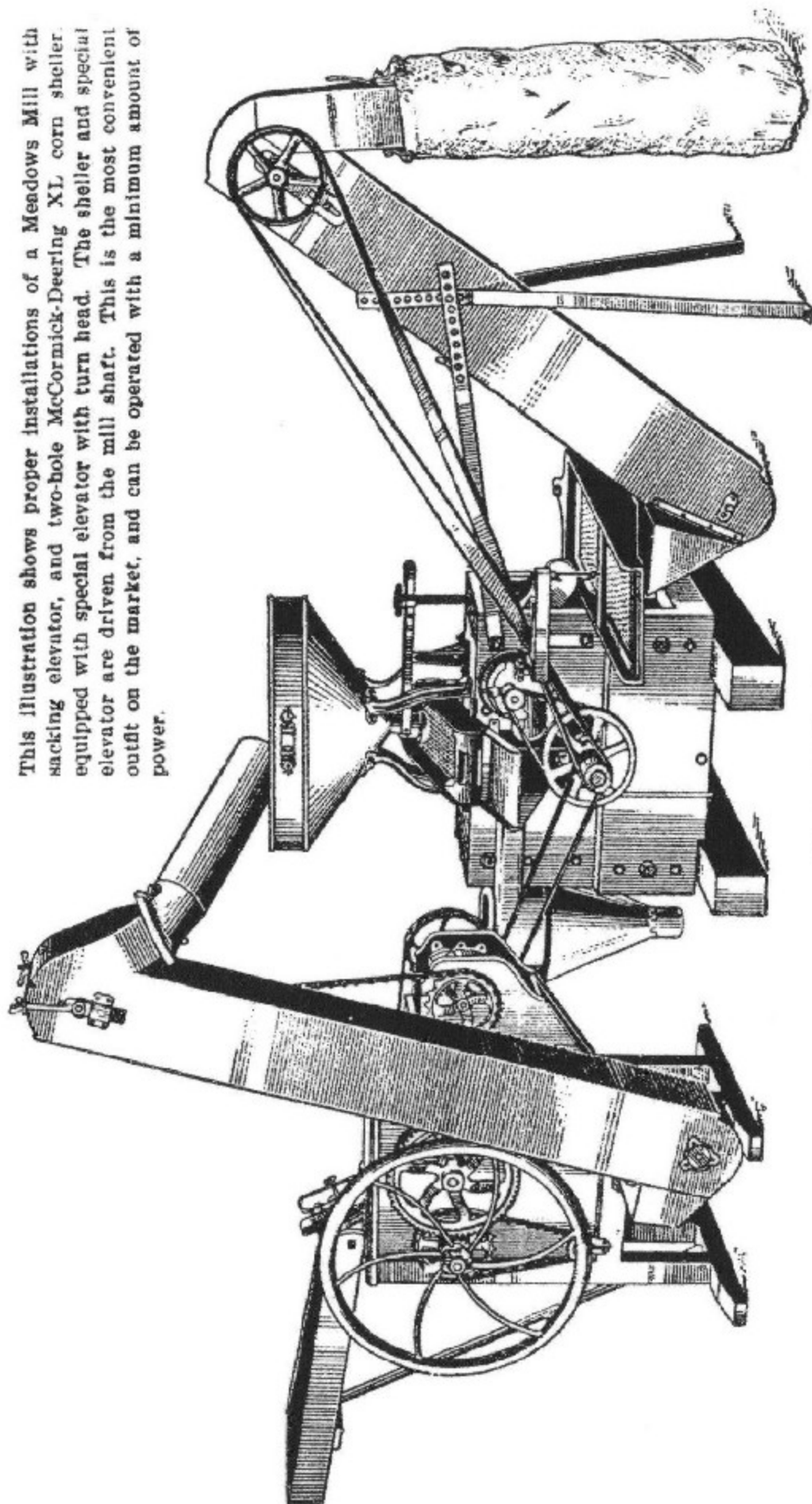


Illustration No. 8

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—	08—			
S3-1	2 50	Ball thrust bearing.....			05—	05—	
S5-1	3 25	Ball thrust bearing.....					06—
S1-2	12 85	Bed stone, faced and furrowed.....	05—				
S2-2	15 85	Bed stone, faced and furrowed.....		03—			
S3-2	23 75	Bed stone, faced and furrowed.....			05—		
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.....					09—17
S1-4	3 70	Bolter, corn meal.....	06—	05—			
S3-4	4 75	Bolter, corn meal.....			05—	06—	
S5-4	5 95	Bolter, corn meal.....					06—
S1-6	70	Bolter bracket.....	05—	05—	05—	06—	
S5-6	1 00	Bolter bracket.....					06—
S1-7	65	Bolter hanger.....	05—	06—			
S3-7	80	Bolter hanger.....			05—	06—	
S5-7	1 15	Bolter hanger.....					06—
S1-8	30	Bolter spring.....	06—	06—			
S3-8	40	Bolter spring.....			05—	06—	
S5-8	45	Bolter spring.....					06—
S1-9	50	Bolter jam nut.....	06—	08—	06—	06—	06—
S1-10	15	Corn conveyor bracket.....	06—	06—	05—	06—	05—
S1-11	50	Corn conveyor spout.....	08—				
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.....			05—	05—	05—
S1-13	15	Weevil spout bracket.....	05—	05—	05—	06—	05—
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.....			05—	06—	
S5-15	3 05	Feed lever and sleeve.....					05—
S1-16	50	Feed lever fulcrum.....	06—	06—			
S3-16	60	Feed lever fulcrum.....			05—	05—	06—
S1-17	50	Force feed.....	06—	06—			
S3-17	60	Force feed.....			06—	05—	
S5-17	90	Force feed.....					06—
S1-18	65	Frame brace.....	06—	06—			
S3-18	75	Frame brace.....			05—	05—	06—
S1-19	20	Purrow gauge.....	06—	06—	05—	05—	06—
S1-20	7 15	Hopper, complete.....	08—	08—			
S3-20	7 90	Hopper, complete.....			05—	06—	06—
S1-21	65	Hopper leg.....	05—	06—			
S3-21	80	Hopper leg.....			05—	06—	06—
S1-22	6 15	Frame with journals babitted.....	09—				
S2-22	7 10	Frame with journals babitted.....		09—			
S3-22	7 90	Frame with journals babitted.....			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"
22	\$12 35	Frame with journals babbitted.					
23	40	Jam nut for thrust wheel.	08—	06—			
23	45	Jam nut for thrust wheel.			08—	06—	06—
24	45	Disk for ball bearing and adjusting screw.	06—	06—			
24	50	Disk for ball bearing and adjusting screw.			06—	06—	
24	65	Disk for ball bearing and adjusting screw.					06—
25	50	Meal spout.	06—				
25	55	Meal spout.		06—			
25	60	Meal spout.			06—		
25	65	Meal spout.				06—	
25	75	Meal spout.					06—
26	45	Oil or grease cup.	06—	06—	06—	06—	06—
28	4 50	Pulley.	06—	06—			
28	5 75	Pulley.			06—		
28	6 50	Pulley.				06—	
28	9 20	Pulley.					06—
29	50	Safety spring with collar.	09—19	09—19			
29	70	Safety spring with collar.			09—19	09—19	
29	90	Safety spring with collar.					09—19
30	14 40	Runner bar with shaft, furrowed and banded.	06—				
30	18 45	Runner bar with shaft, furrowed and banded.		06—			
30	26 10	Runner bar with shaft, furrowed and banded.			06—		
30	31 50	Runner bar with shaft, furrowed and banded.				06—	
30	36 00	Runner bar with shaft, furrowed and banded.					06—
31	1 55	Weevil spout agitator.	06—17				
31	1 80	Weevil spout agitator.		06—17			
31	2 00	Weevil spout agitator.			06—17		
31	2 65	Weevil spout agitator.				06—17	
31	3 05	Weevil spout agitator.					06—17
32	50	Weevil spout agitator guide.	06—14	06—14			
32	60	Weevil spout agitator guide.			06—14	06—14	
32	70	Weevil spout agitator guide.					06—14
33	50	Weevil spout hanger.	06—14	06—14			
33	60	Weevil spout hanger.			06—14	06—14	
33	70	Weevil spout hanger.					06—14
34	2 45	Cam sleeve.	06—17	06—17			
34	2 95	Cam sleeve.			06—17	06—17	
34	3 40	Cam sleeve.					06—14
35	15	Stud bolt for roller agitator.	06—	06—	06—	06—	06—
35	15	Stud bolt for roller.	06—	06—	06—	06—	06—
37	1 00	Thrust wheel.	06—	06—			
37	1 80	Thrust wheel.			06—	06—	06—
39	1 00	Base box (babbitted).	06—				
39	2 10	Base box (babbitted).		06—			
39	2 40	Base box (babbitted).			06—	06—	
39	3 70	Base box (babbitted).					06—
40	40	Sifter spring.	05—09				
40	45	Sifter spring.		06—09			
40	55	Sifter spring.			06—09	06—09	
40	70	Sifter spring.					06—09
41	85	Weevil spout agitator guide.	14—	14—			
41	1 00	Weevil spout agitator guide.			14—	14—	
41	1 50	Weevil spout agitator guide.					14—
42	30	Safety spring.	05—09	05—09			
42	40	Safety spring.			03—09	05—09	
42	45	Safety spring.					03—09
43	65	Thrust spring.	05—09	06—09			
43	70	Thrust spring.			03—09	05—09	
43	90	Thrust spring.					03—09
44	2 10	Head box (babbitted).	05—09	05—09			
44	2 80	Head box (babbitted).			03—09	06—09	
44	4 40	Head box (babbitted).					05—09
45	3 35	Fan.	06—10				
45	3 85	Fan.		06—10			
45	4 30	Fan.			05—10		

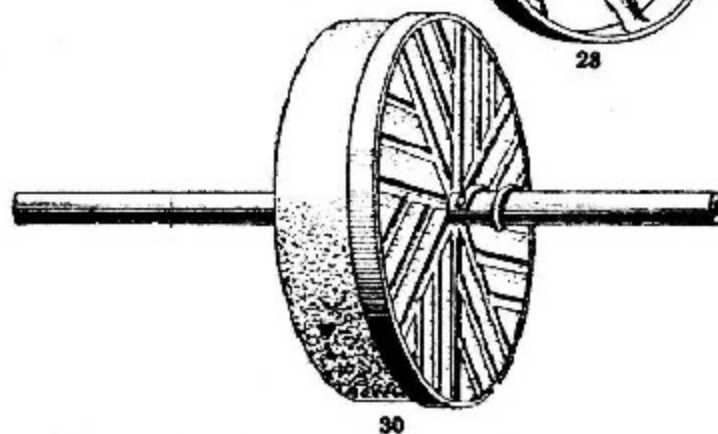
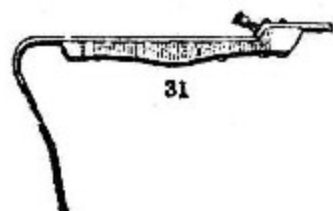
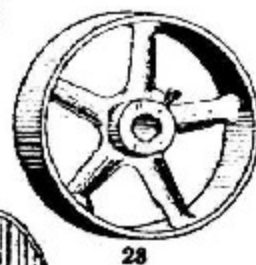
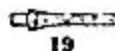
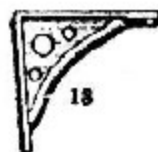
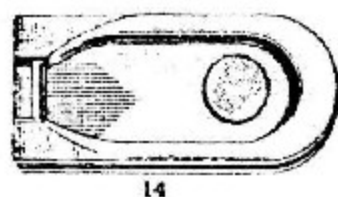
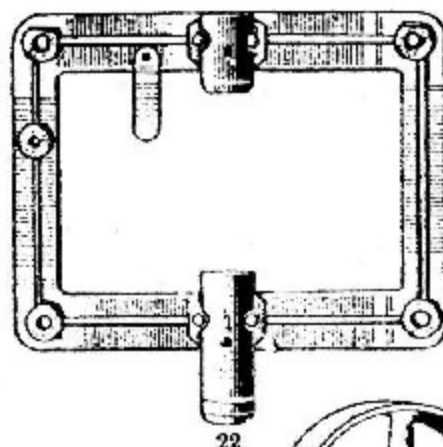
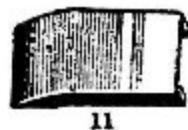
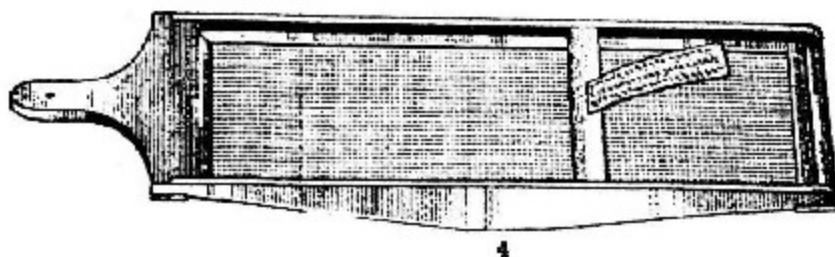
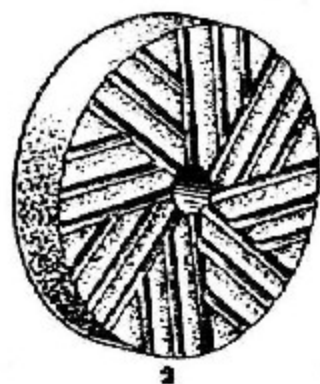
ORDER REPAIRS EARLY

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 00	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.....				10-	
S5-80	18 25	Wabblers, complete.....					19-

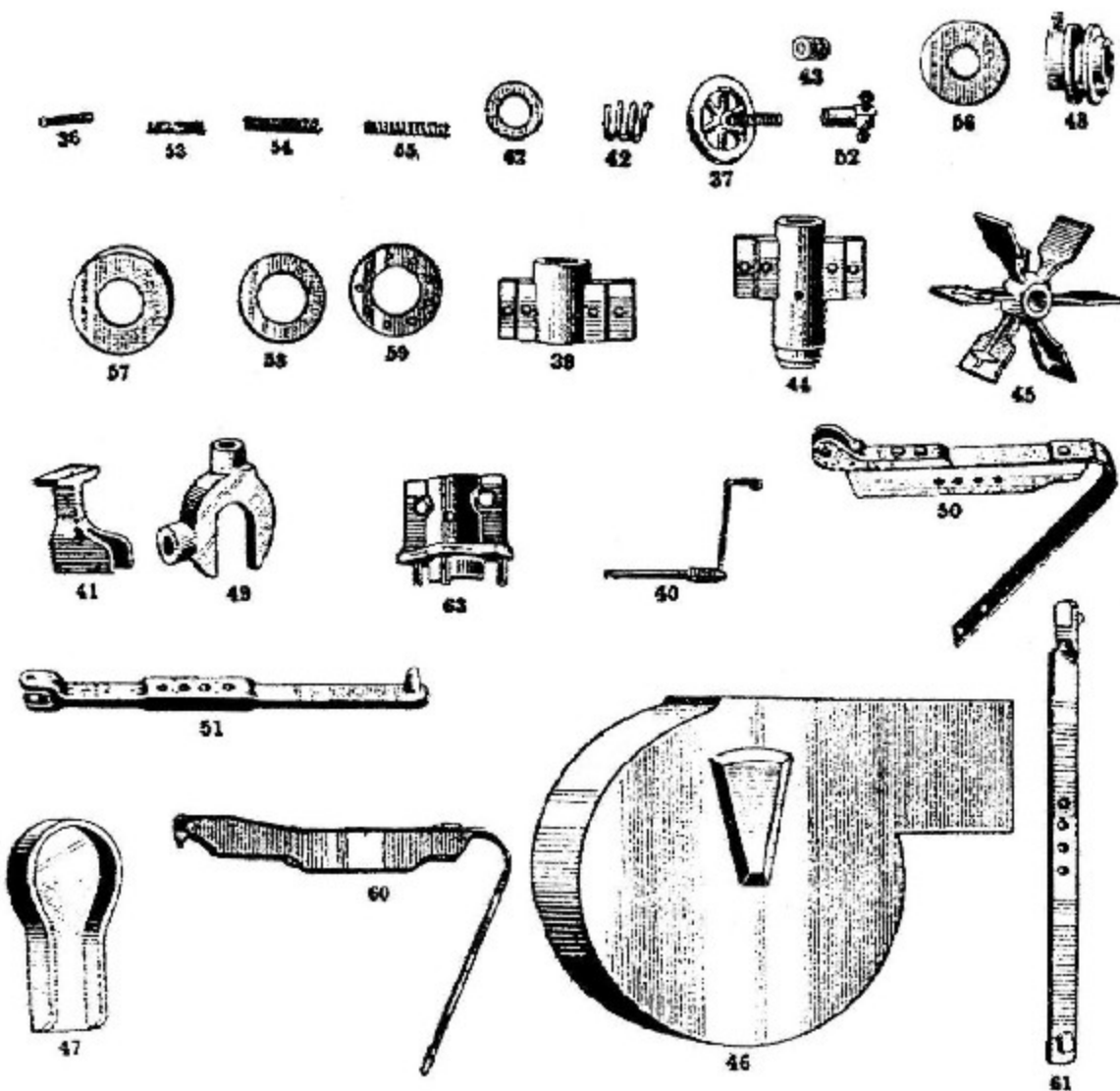
ORDER REPAIRS EARLY

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—

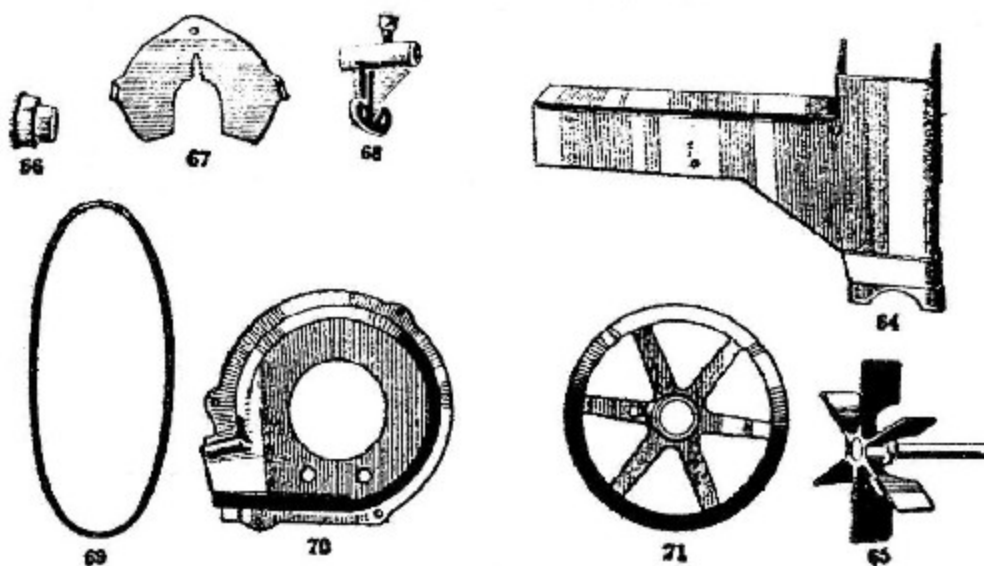
ORDER REPAIRS EARLY



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.



HIGH SPEED FAN (Special)



Order repairs from the nearest IHC 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.

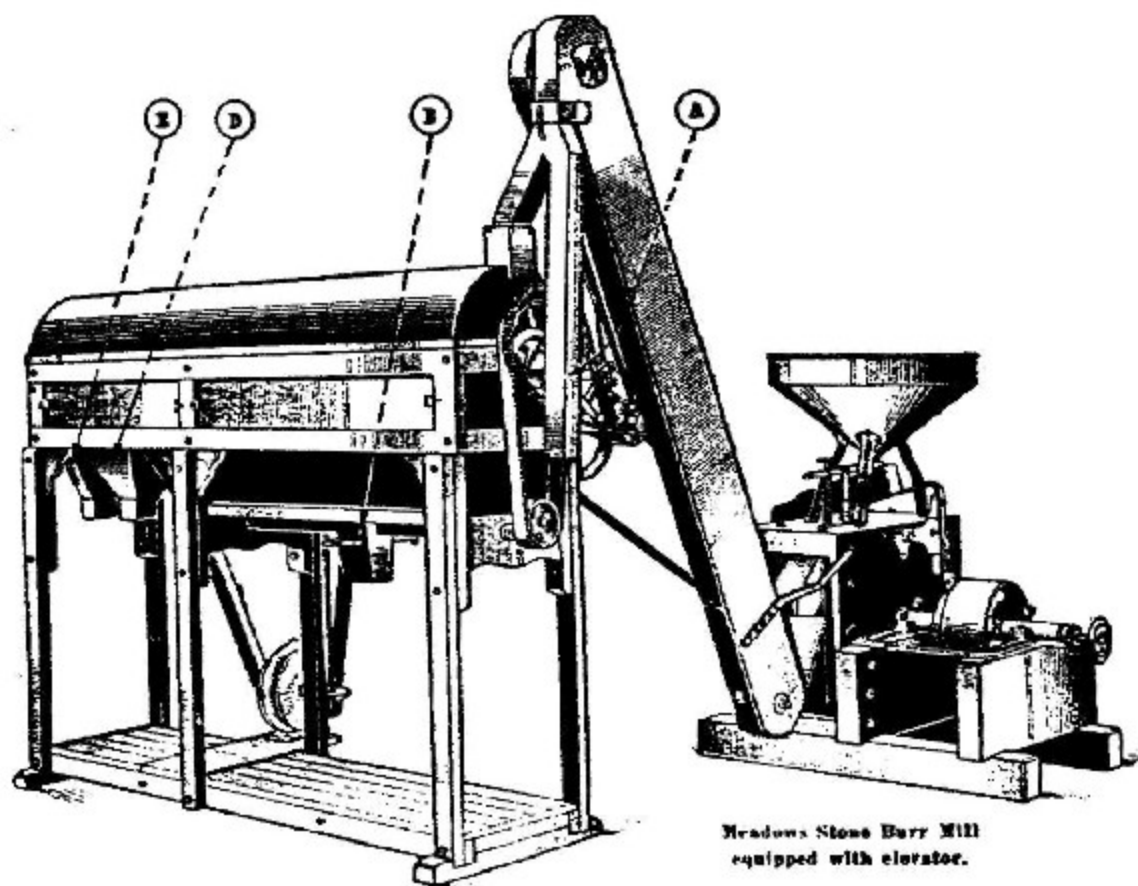
Makes a High Grade of Grits. When a high grade of corn is used the Meadows mill and grits bolter will produce a better grade of grits than the average mill, because the heart, or germ of the corn, is not taken out in the grinding and separating processes.

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 tapper 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.
- C. Coarse grits spout.
- D. Coarse grits spout.
- E. Bran spout.

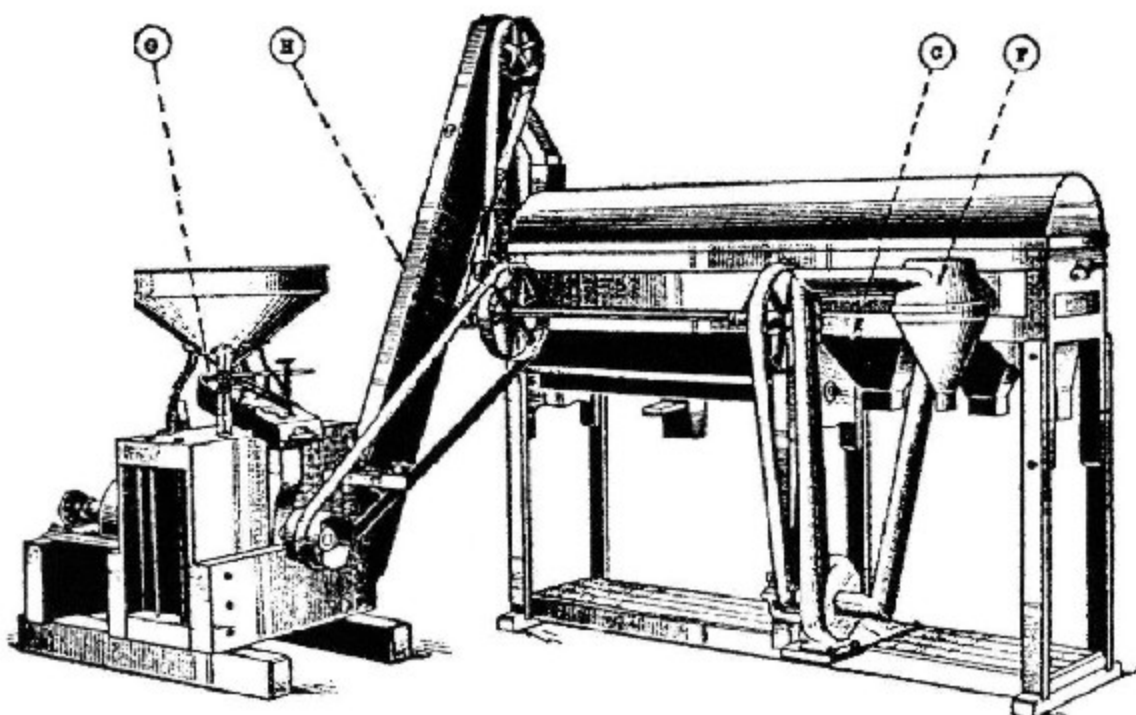


Illustration No. 10. Back of Meadows Grits Bolter and Meadows Mill

- 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 $\frac{3}{8}$ " 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"	56"	45	12	360 "	500 "
3	24"-30"	96"	22"	60"	18"	84"	40	15	500 "	670 "

McCORMICK-DEERING LINE

Grain Harvesting Machines

Binders
Power-Drive Binders
Push-Binders
Headers
Harvester-Threshers
Rice Binders
Reapers
Shockers
Threshers

Haying Machines

Mowers
Rakes
Tedders
Comb. Side Rakes & Tedders
Loaders, all types
Sweep Rakes
Stackers
Sp. Rakes & Stackers
Baling Presses
Bunchers

Corn Machines

Planters
Listers
Drills
Cultivators
Lister Cultivators
Binders
Ensilage Cutters
Pickers
Huskers & Shredders
Huskers & Silo Fillers
Shellers

Look for this trade-mark
on every machine you buy



Write International Harvester
Company of America, at Chicago
or any of the nearest branch
houses for special catalogue.

Planting & Seeding Machines

Corn Planters
Corn Drills
Listers
Cotton Planters
Grain Drills
Broadcast Seeders
Alfalfa & Grass Drills
Lime Sowers

Tillage Implements

Tractor Plows
Riding Plows
Walking Plows
Disk Harrows
Tractor Harrows
Orchard Harrows
Spring-Tooth Harrows
Peg-Tooth Harrows
Cultivators, 1 & 2-Horse
Dunham Cult-Packers

Beet Tools

Seeders
Cultivators
Pullers

Power Machines

Kerosene Engines
Gasoline Engines
Kerosene Tractors
Motor Trucks

Beet Machines

Ensilage Cutters
Huskers & Shredders
Huskers & Silo Fillers
Corn Shellers
Cane Mills
Feed Grinders
Stone Burr Mills
Threshers
Hay Presses

Dairy Equipment

Cream Separators, hand
Cream Separators, belted
Cream Separators, electric
Kerosene Engines
Gasoline Engines
Motor Trucks

Other Farm Equipment

Farm Wagons & Trucks
Manure Spreaders
Stalk Cutters
Cane Mills
Syrup Evaporators
Steel Furnaces
Potato Diggers
Knife Grinders
Tractor Hitches
Binder Twine

Ninety-three IHC Branches Insure Splendid Service

Aberdeen, S. D.
 Albany, N. Y.
 Amarillo, Texas
 Atlanta, Ga.
 Auburn, N. Y.
 Aurora, Ill.
 Baltimore, Md.
 Billings, Mont.
 Birmingham, Ala.
 Bismarck, N. D.
 Boston, Mass.
 Buffalo, N. Y.
 Cedar Falls, Ia.
 Charlotte, N. C.
 Cheyenne, Wyo.
 Chicago, Ill.
 Cincinnati, Ohio
 Cleveland, Ohio
 Columbia, S. C.
 Columbus, Ohio
 Council Bluffs, Ia.
 Dallas, Texas

Davenport, Ia.
 Denver, Colo.
 Des Moines, Ia.
 Detroit, Mich.
 Dubuque, Ia.
 East St. Louis, Ill.
 Eau Claire, Wis.
 Elmira, N. Y.
 Evansville, Ind.
 Fargo, N. D.
 Fort Dodge, Ia.
 Fort Wayne, Ind.

Grand Forks, N. D.
 Grand Rapids, Mich.
 Green Bay, Wis.
 Harrisburg, Pa.
 Helena, Mont.
 Houston, Texas
 Hutchinson, Kan.
 Indianapolis, Ind.
 Jackson, Mich.
 Jacksonville, Fla.
 Kankakee, Ill.
 Kansas City, Mo.

Knorrville, Tenn.
 Lincoln, Neb.
 Little Rock, Ark.
 Los Angeles, Calif.
 Louisville, Ky.
 Madison, Wis.
 Mankato, Minn.
 Mason City, Ia.
 Memphis, Tenn.
 Milwaukee, Wis.
 Minneapolis, Minn.
 Minot, N. D.
 Nashville, Tenn.

New Orleans, La.
 New York, N. Y.
 Ogdenburg, N. Y.
 Oklahoma City, Okla.
 Omaha, Neb.
 Parkersburg, W. Va.
 Parsons, Kan.
 Peoria, Ill.
 Philadelphia, Pa.
 Pittsburgh, Pa.
 Portland, Ore.
 Quincy, Ill.

Richmond, Ind.
 Richmond, Va.
 Rockford, Ill.
 Saginaw, Mich.
 St. Cloud, Minn.
 St. Joseph, Mo.
 St. Louis, Mo.
 Salina, Kan.
 Salt Lake City, Utah
 San Francisco, Calif.
 Sioux City, Ia.
 Sioux Falls, S. D.
 South Bend, Ind.
 Spokane, Wash.
 Springfield, Ill.
 Springfield, Mo.
 Terre Haute, Ind.
 Toledo, Ohio
 Topeka, Kan.
 Watertown, S. D.
 Wichita, Kan.
 Winona, Minn.

FOR CATALOGS OR INFORMATION ON THE McCORMICK-DEERING LINE OF MACHINES WRITE THE BRANCH HOUSE NEAREST TO YOU



INTERNATIONAL HARVESTER COMPANY

OF AMERICA
(INCORPORATED)

606 SO. MICHIGAN AVE., CHICAGO, ILL.

