

10-A HAMMER MILL



OPERATORS MANUAL 10-A HAMMER MILL

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ENGLISH



TO THE PURCHASER

Grinding your own feed with a John Deere 10-A Hammer Mill is an easy and practical way to cut feeding costs and increase feeding profits.

The 10-A Hammer Mill does a fast, low-cost job of grinding ear corn, shelled corn, small grains, seed crops, cured hay, and fodder. You may select a stationary, belt- or motor-driven, or PTO-driven model, equipped with either reversible, heat-treated, or special hard-surfaced hammers.

John Deere engineers have designed this equipment to give you many years of satisfactory service. However, it must be cared for and operated properly in order to take full advantage of the high quality engineering built into the equipment. **Read this manual carefully.** The operator who does so has a **big** advantage—he knows his equipment, how to operate it safely, and how to obtain superior performance from it on the job.

Several critical items must be observed while you are using and caring for your hammer mill. Feed it in accordance with the power available for operating it. Do not overload it. Also be sure to check the hammers for wear periodically and lubricate it properly with the type of grease recommended.



LOCATION REFERENCES.

All references in this manual to “front” and “rear” of the equipment are determined by standing at the feed table (rear) facing in the direction of the hood lock (front). The “right-hand” side is the pulley side of the mill, and the “left-hand” side is the fan side.

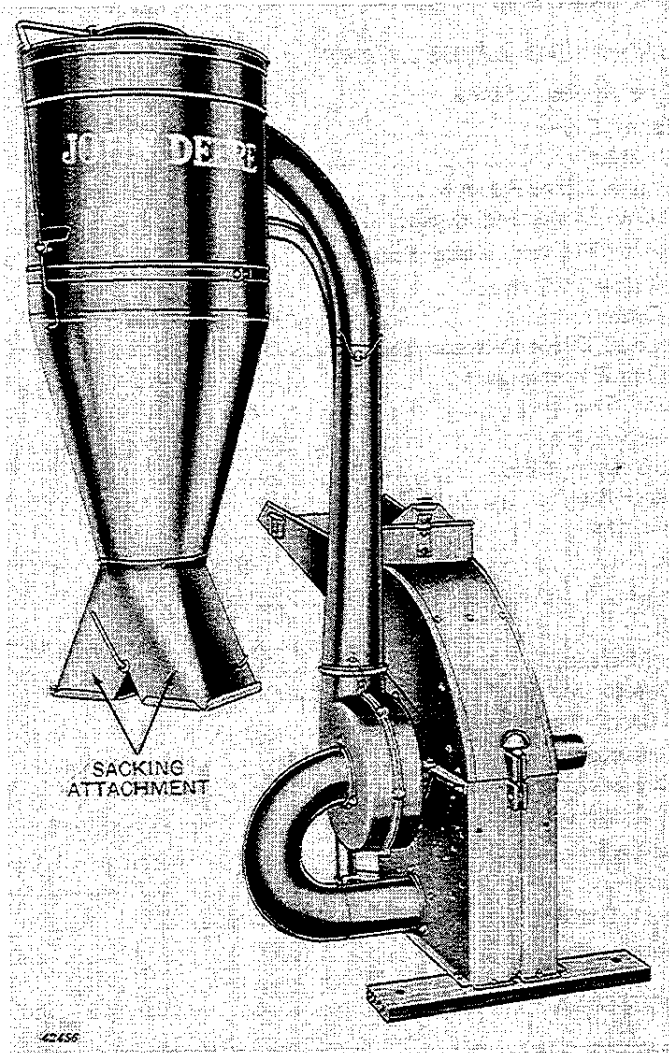
SERIAL NUMBER.

Record the serial number of your hammer mill and the purchase date below. Do it **NOW**—it will save time later. You will find the serial number stamped on a metal tag located on the body under the feed table. This number is of prime importance when ordering parts from your John Deere dealer.

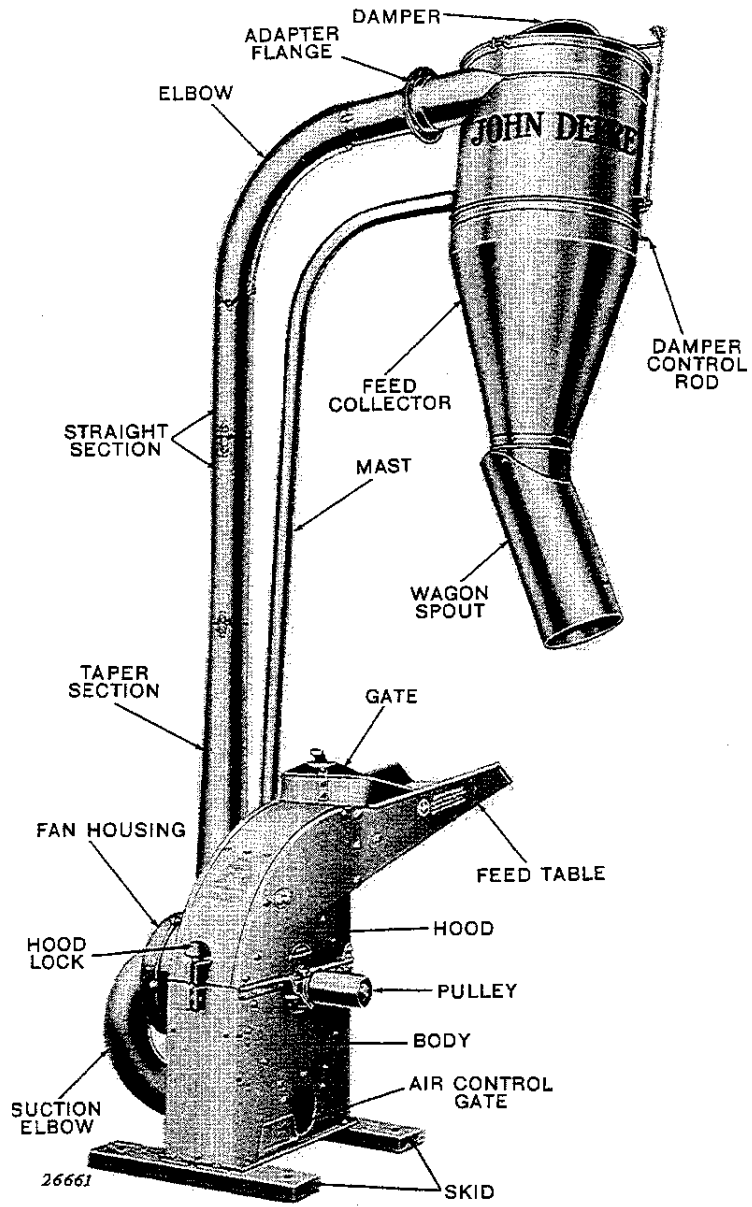
Serial Number Date of Purchase

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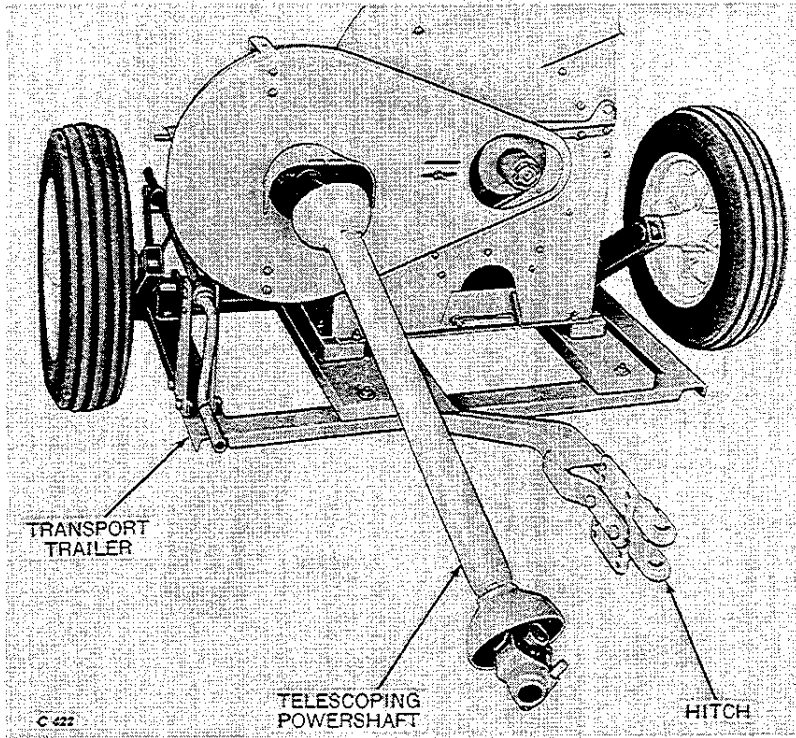
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*John Deere 10-A Hammer Mill with
Feed Collector and Double Sacking Spout*



*John Deere 10-A Hammer Mill with
Feed Collector and Wagon Spout*



*John Deere 10-A Hammer Mill with
Power Take-Off Drive and Transport Trailer*

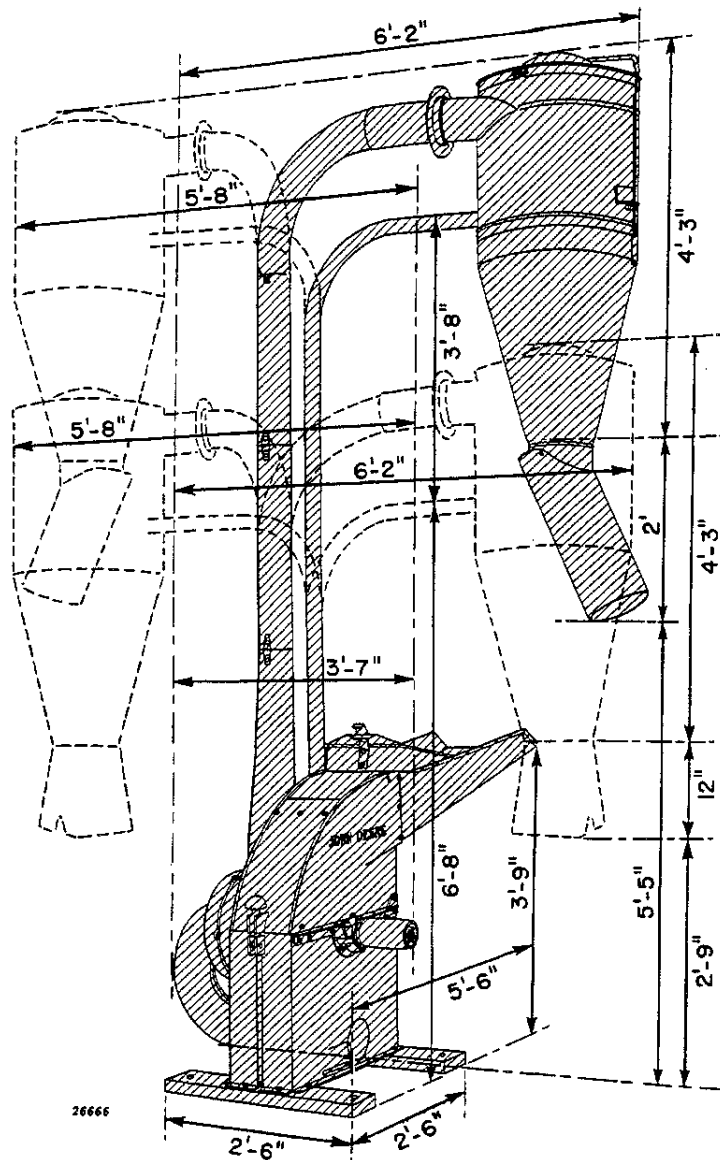
SPECIFICATIONS

- MILL SPEED**..... 3000 to 3300 rpm.
- DRIVE**..... Belt pulley, power take-off, gasoline engine, or electric motor.
- POWER REQUIRED**..... **Belt Pulley Drive**—John Deere “430” or larger tractor or other tractor of similar horsepower (see pages 10-13).
PTO Drive—John Deere “430” or larger tractor or other tractor of similar horsepower (see page 15).
Engine or Motor Drive—10 (minimum) to 20 h.p., higher horsepower if mill is to be used extensively (see page 14).
- HAMMERS**..... Heat-treated and hardened type or special hard-surfaced type, total of 18.
- ROTOR**..... Small diameter on heavy-duty ball bearings.
- SCREENS**..... Round and square holes in wide range of sizes (see page 21).
- FAN**..... Extra heavy and powerful, capable of delivering material up to 60 feet if necessary.
- FEED COLLECTOR**..... Used with double sacking spout or wagon spout.
- TRANSPORT TRAILER**.. Available as extra equipment to facilitate transporting and setting.

(Specifications and design subject to change without notice.)

SPACE REQUIREMENTS

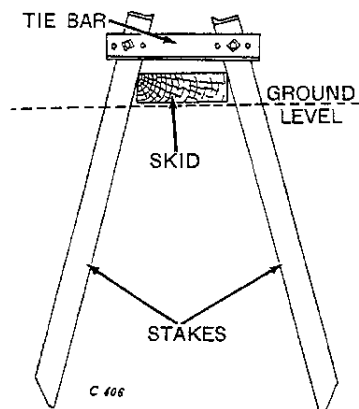
If your hammer mill is to be placed in a crib or granary, it must meet certain space requirements. The feed collector may be placed in one of four positions, shown with appropriate dimensions below.



OPERATION AND ADJUSTMENT

INSTALLING ANCHOR STAKES

If your hammer mill is to be set in one place permanently or used on skids without transport trailer, it must be rigidly anchored before power is applied. Two steel anchor stakes with the tie bar (part no. J15479C) are



Anchor Stakes Installed

available from your John Deere dealer for this purpose. Three of these sets of stakes are required, two sets to hold down the skids on the right-hand (pulley) side and one set on the left-hand side to hold the mill firmly in alignment with the tractor pulley. Each stake should be driven into the ground at an angle until its top is within a few inches of top of skid. Then bolt on tie bar and finish driving each stake until tie bar rests on top of skid.

If used with transport trailer, mill does not need to be removed from trailer and rigidly anchored for proper operation.

BELT PULLEY DRIVE

DRIVE BELT.

A 50-foot endless hammer mill belt, not less than 6 inches wide, is used when the mill is belt-driven from a tractor pulley. A longer belt may be found even more practical. A thin liquid belt dressing will help to stop slippage and preserve and soften the belt. Do not use a sticky dressing; this type of dressing is apt to collect on the pulleys and increase pulley size, causing vibration and loss of speed. Ask your John Deere dealer to recommend a suitable type of dressing.

To prevent belt from whipping when used in windy conditions, drive stake in the ground about halfway between mill and tractor on the down-wind side. Place stake so it just clears belt when mill is not being operated.

If belt slips, check it for tension, alignment, and stiffness. Then apply belt dressing and make sure mill is firmly anchored. Make certain tractor speed is correct for operating mill (see page 8).

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