

FULL CAPACITY AT ANGLES UP TO 45°

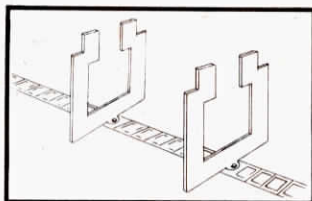
New "Augerless" Grain Mover

A new "augerless" concept for moving grain has been introduced by the Hutchinson Division of Lear Siegler, Clay Center, Kan.

Called the Mass-Ter Mover, it uses rectangular-shaped, open center nylon paddles to move grain at the rate of up to 8,500 bu. per hr. Unlike a conventional auger or flight elevator, where metal works against the grain to move it, the Mass-Ter Mover uses a "grain to grain" concept to minimize kernel damage.

Unlike conventional augers, the Mass-Ter Mover's capacity doesn't decrease as the angle of operation increases. "There is no drop in capacity at angles up to 45°," explains Gary Griffith, vice president of marketing. "Beyond 45°, capacity drops off some but even when fully vertical, the Mass-Ter Mover will operate at 80% or better efficiency. What's more, it handles wet grain with virtually the same degree of efficiency as dry grain. The power requirement for moving grain with this unit is also considerably less than with a comparable size conventional auger," Griffith points out.

The Mass-Ter Mover is available in a Model 50 (It has a 6-in. by 9-in. conveying section and a rated capacity of 5,000 bu. per hr.) and a Model

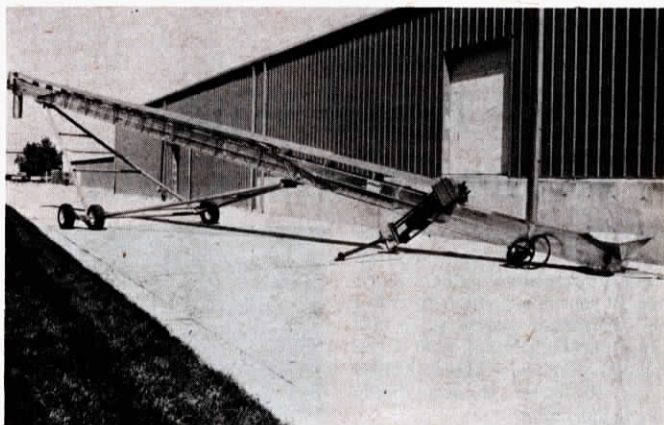


85 (7-in. by 13-in. conveying section and a rated capacity of 8,500 bu. per hr.). Both models are available in 40, 50, 60, 65, 70 and 80-ft. lengths. The larger model 85 is also offered at 90 ft. long.

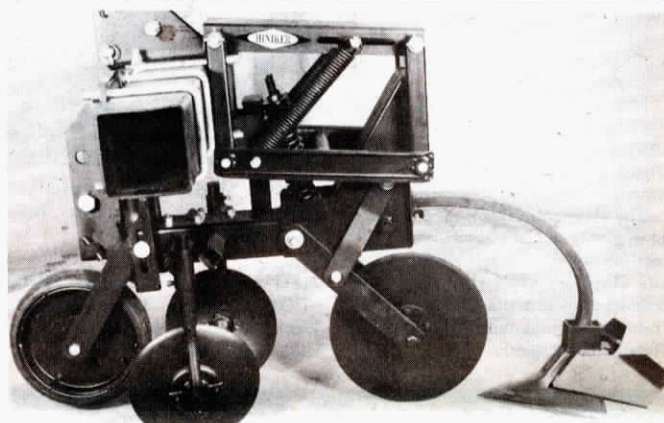
Both models are equipped with a scissors-style undercarriage and a hydraulically operated winch. They're completely portable and available with pto or electric motor drives. Horsepower requirement ranges from 10 to 25 for the Model 50, and from 15 to 40 hp. for the Model 85.

Cost of the Mass-Ter Mover ranges from \$8,300 to \$17,950 for the largest Model 85 (8,500 bu. capacity).

For more details, contact: FARM SHOW Followup, Hutchinson Division Lear Siegler, Box 33, 514 West Crawford, Clay Center, Kan. 67432 (ph 913 632-2161).



Grain is pulled along bottom of new Mass-Ter mover, rather than on top as with conventional flight elevators.



New Hiniker cultivator is the first designed for heavy trash.

EASY TO ASSEMBLE, DISASSEMBLE

Concrete Hog Feeder

"We got fed up with having to constantly replace wood and metal feeders," says Missouri hog producer David Swearingen, of Carrollton, who solved the problem by designing a "go anywhere" concrete feeder that's built to last many years.

Unable to buy a concrete hog feeder with the features he and his brothers wanted, David designed and developed one that's worked out so well the Swearingen Brothers have decided to manufacture and market it commercially.

Their new Hog-Proof concrete feeder bolts together for easy assembly and disassembly. "If alleyways are too narrow to accommodate the feeder, it only takes a few minutes to unbolt and completely disassemble it. The concrete ends and bottom can all be carried in and out of tight doors and alleyways separately, allowing the feeder to go anywhere it's needed, regardless of how narrow the door or aisles may be."

The entire base of the feeder is cast as one piece with individual feed cups molded in to virtually eliminate waste. Steel reinforcing pipe (4 in. dia.), imbedded into the concrete base lengthways, serves as conduit for long steel rods that are threaded



Feed-adjust plates allow complete control of feed flow.

on the ends to "bolt" the concrete sides together.

Feeders are available in sizes ranging from a double sided 4-holer (2 holes on each side) to a double sided 12 holer (12 holes on each side). This largest model is 126 in. long, 27 in. wide, 36 in. high, weighs 2,000 lbs., and has a capacity of 30 cu. ft.

For more details, contact: FARM SHOW Followup, Swearingin Brothers Farms Inc., SBF Manufacturing, Rt. 5, Carrollton, Mo. 64633 (ph 816 542-3421).

CAN ALSO BE USED TO KNIFE IN NH₃

New Heavy Residues Row-Crop Cultivator

First on the market with a heavy duty row crop cultivator designed to work in heavy straw, corn stalks and other residues is the Hiniker Co., Mankato, Minn.

Called the Econ-O-Till, it provides precision cultivation of newly-emerged row crops in the heaviest residues without plugging or bunching, according to Jim Johnson, product manager. The new-style cultivator can also be used to knife anhydrous ammonia into heavy residues. What's more, it converts from a precision cultivator to a hilling machine in only a couple minutes by a special soil-ridging attachment on each shank. The soil pushing action of each ridger allows hilling of short corn plants without damaging the crop, yet covers weeds in the row with enough dirt to kill them. If you don't want to ridge, the ridging attachment on each shank is raised up on the shank where it rides up and out of the way when not in use.

Adjustable down pressure springs on each shank — plus filling the 7 by 7 inch toolbar with concrete — transfers up to 840 lbs. of downward pressure on individual trash-cutting coulters. "This cutting disk, thanks to

the extreme amount of pressure our exclusive design provides, is the key feature that allows the Econ-O-Till to operate in the heaviest residues, and at high speeds. We planted soybeans directly into 150-200 bu. corn residue with no pre-plant tillage and had no trouble with trash — either in planting, or in cultivating the beans a few days after emergence. With the concrete filled toolbar, weight runs right at 650 lbs. (30 in. spacing) to 735 lbs. (40 in.) per crop row."

In addition to cutting and dividing residue ahead of each sweep, the coulters also serve as stabilizers to prevent side sway. A rubber tire gauge wheel (4 in. wide, 16 in. dia.) on each cultivator gang provides support and flotation. A pair of 14 in. disk hillers cut away from the crop row in the heaviest residue without plugging, according to Johnson.

The Econ-O-Till is available in 4, 6 and 8 row non-folding models, and 8 row wide (40 in.) and 12 row narrow (30 in.) folding models.

For more details, contact: FARM SHOW Followup, Hiniker Co., P.O. Box 3407, Mankato, Minn. 56001 (ph 507 625-6621).