



Heart of the "apronless" Orbilt spreader is the hydraulically-operated pusher which works in conjunction with the false front endgate. They move together as one unit to the rear of the box.

## FEATURES HYDRAULICALLY-OPERATED "PUSHER" RAM AND FALSE ENDGATE

# New-Style Spreader Has no Apron, Chain

"This machine will outhaul and outlast any conventional spreader and requires a lot less maintenance."

So says Dan O'Reilly, co-inventor of the Orbilt hydraulic manure spreader which, because of its low maintenance, is sold "factory direct" to livestock and poultry producers.

Orbilt spreaders have no aprons, flails, slats, rivets or belts, according to O'Reilly and "at least 300 fewer moving parts than conventional apron-type spreaders." Here's how they work:

A hydraulically-operated pusher ram and false endgate move all material in the loaded spreader to the beater at a uniform rate set by the operator. This sliding pusher mechanism, powered by a single hydraulic cylinder, replaces the apron and all of the parts needed to drive it.

"When the front endgate is all the way back to the beater, the load is off. You don't have to drive half the distance of a field to get rid of the last 10%," explains O'Reilly who, along with his father and five brothers, manufacture the spreaders.

The main beater is made from heavy channel iron welded around the beater pipe in two opposing spi-

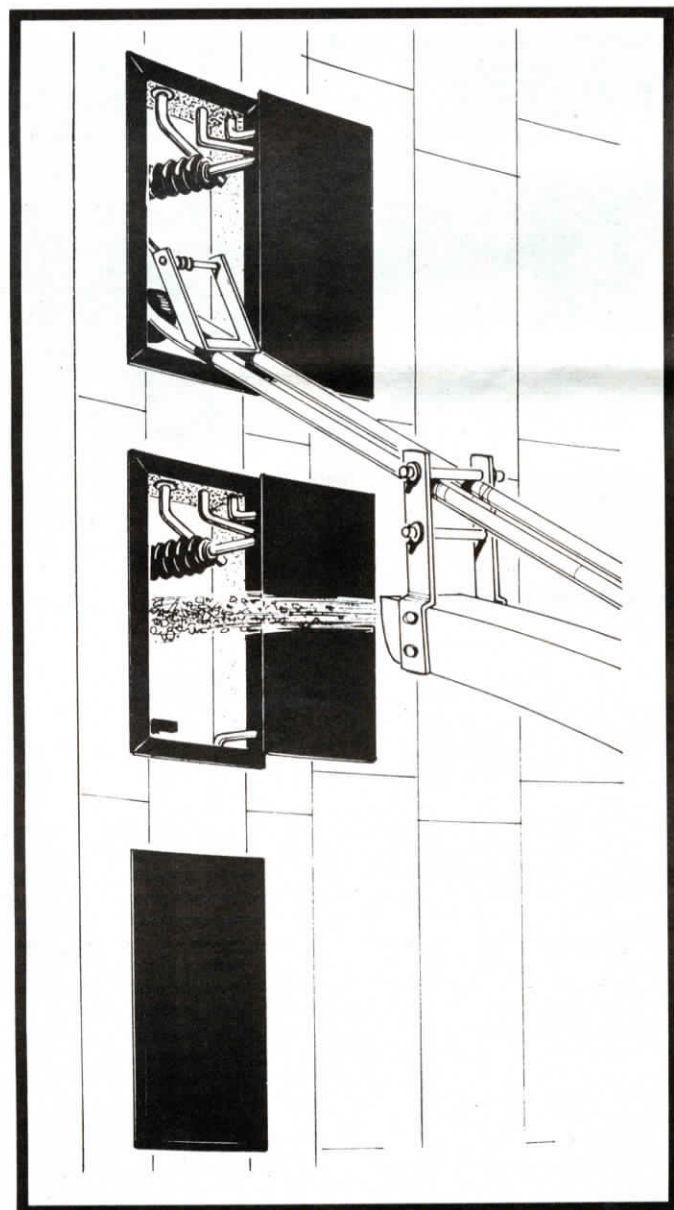
erals. It tears apart the toughest manure, including frozen chunks. "Twine doesn't catch or hang on this beater as it does on others," says O'Reilly. "When the load is off, you merely reverse the hydraulic lever on the tractor and the sliding pusher and false front endgate return to the front. As they do, bottom and sidewall scrapers clean out the entire inside of the box."

O'Reilly notes that the sliding pusher, working in conjunction with the false endgate, is the heart of the entire machine. The entire inside of the box is lined with tough plastic. "Manure doesn't penetrate or stick to the plastic, nor does manure freeze to it as it does to wood or steel," O'Reilly points out.

A lower splash blade beater breaks up and scatters both the liquid portion and clumps.

Orbilt spreaders are available in three tandem axle models (250, 380 and 425 bu.) and one single axle model (180 bu.). The latter retails for \$2,300 and the largest tandem axle model (425 bu.) for \$5400.

For more details, contact: FARM SHOW Followup, O'Reilly Mfg., Route 3, Goodhue, Minn. 55027 (ph. 612 293-4508 or 4720).



The automatic doors don't open until the unloader torque arm drops down and activates a lever which sets off a door-opening device. Doors are always closed below the silage level.

## PROVIDES CONVENIENCE OF BOTTOM UNLOADING

# Automatic Door Opener for Silos

Latest new development in silos is this industry first — the Rochester Auto-Feed which eliminates having to change silo doors as the silo is unloaded. It automatically opens each door as the unloader indexes down the silo by itself.

The revolutionary system, introduced by Rochester Silo, Rochester, Minn., uses two chutes — one for silage discharge. Automatic doors on the discharge chute measure 22 in. long and 10 in. wide, and are spaced 2.5 ft. apart. They do not open until the Auto-Feed's torque arm drops down and activates a lever which, in turn, sets off a door-opening device. The doors are always closed below the silage level to prevent spoilage.

"If it becomes necessary to work on the unloader, the operator simply goes up the Jumbo 40-in. climbing chute," explains Gerald Price, sales manager. "This porting chute is

equipped with conventional doors and can also be used to discharge silage, such as for filling a truck, or feeding a separate lot of cattle not served by the silage discharge chute."

Doors in the silage discharge chute open automatically but have to be closed manually before refilling the structure. A ladder inside the chute is provided for this door-closing operation.

Most makes of top unloaders can easily be fitted with a torque arm to work in conjunction with the Auto-Feed system's automatic doors. The system, said to offer top unloading dependability with bottom unloading convenience, is available in new structures from 12 by 20 ft. up to 24 by 80 ft.

For more details, contact: FARM SHOW Followup, Rochester Silo, Inc., Hiway 63 North, Rochester, Minn. 55901 (ph. 507 288-8211).