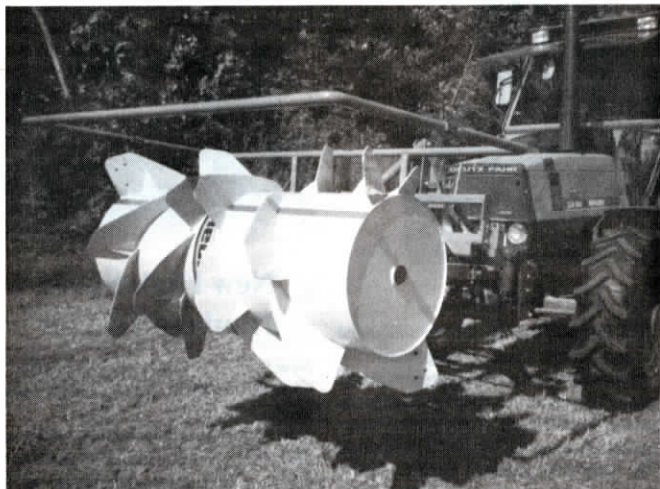


Latest New Products From Europe

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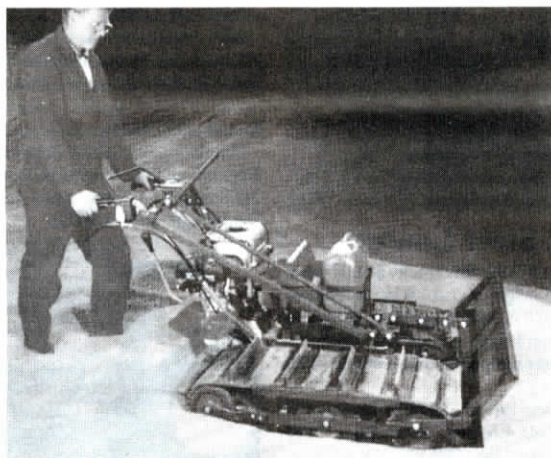


Silage Spreader For Trenches, Bunker Silos

"It allows you to make a much denser, more spoilage-proof pile of silage," says Rech Maschinen, a German firm, of its special-made hydraulically-operated rig for spreading silage as it's loaded into piles, bunkers or trenches. "It works much better than the usual method of leveling and packing using a tractor equipped with a leveling blade."

Available for front or rear mounting, the spreader also makes a great "tool" for moving silage into feeding mangers adjacent to a center alley. The spreading cylinder can be operated clockwise or counter clockwise.

Contact: FARM SHOW Followup, Rech Maschinen, Reckstrasse 1-3, D-88422 Betzenweiler, Germany (ph 07374 -180).



Leveler For Grain Stored In Flat Buildings

New from Denmark, where drying and storing grain in flat buildings is common, is this belted-track machine with a front-mounted blade for leveling the top of the cone-shaped grain pile to facilitate efficient drying.

"In a 300 by 30 yard building, it can take five men five days to get the job done with shovels," says Paul Jensen, manufacturer. "With this machine, one man working alone

can do it in two days."

Usually, the machine is winched to the top of the pile, or driven up in reverse. Holding on to the handle bars puts most of the operator's weight on the machine and he doesn't sink into the grain, Jensen points out. A Honda gas engine powers the leveler.

Contact: FARM SHOW Followup, Paul Jensen, Vastergade 7, DK 6392, Bolderslev, Denmark (ph 04385-222).

"Dual Disc" Plow For Problem Soils

Adding a second "dual disk" to a conventional disk plow has worked miracles for plow manufacturer Sima International, of Lincolnshire, England.

Each 32 in. dia. primary disc is paired up with a smaller 24 in. dia. disc to create a "dual disc" plow that's especially adept in problem soils and heavy trash. "It reduces slabbing and assists in trash coverage, giving a mixed burial of crop residue with minimum clod formation," says manufacturer.

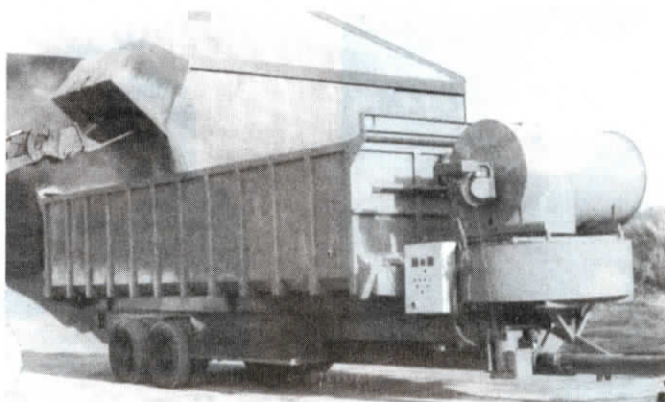
Other benefits claimed include reduced

draft, less downtime, and a significant reduction in wearing parts.

When the 32 in disc wears down to 24 in. in dia., it can be used as the secondary disc, paired up with a new primary 32 in. dia. disc. Both discs are ground driven.

Comes in 4, 5, and 6 furrow mounted models, and 5 to 10 furrow on-land models.

Contact: FARM SHOW Followup, Sima International Ltd., Woodbridge Rd, Sleford, Lincolnshire, NG34 7EW, England (ph 377616 SIMBA G).



World's First "Fully Mobile" Grain Dryer

Latest new development in grain drying in England is the Trayler Dryer, billed as "the only fully mobile dryer in the world."

The largest of two models boasts 25 tons of capacity and the ability to dry grain with up to 60% moisture. It unloads in just 30 seconds and removes right at 4 percentage points of moisture per hour.

Hot air is blown up through a false floor, and through the grain, by a high-capacity fan/burner unit mounted at the front. An agitator mixes grain to ensure even drying.

The control panel, diesel burner and recirculating system are all powered by a large 3-phase belt-driven generator, which

means that the self-contained dryer is independent of outside electrical power sources.

Wet grain is loaded directly into the trailer with a large loader bucket. Only one tractor is needed to operate and empty the dryer. The burner can be started as soon as the floor is covered with grain. Working height is 11 ft., allowing the dryer to be used in low buildings. It's self-cleaning when tipped up, making cleaning for different seed crops almost unnecessary, says the manufacturer.

Contact: FARM SHOW Followup, Farrell U.K., Fen Farm, Washbrook, Ipswich, Suffolk, England IP8 3HE (ph 0473 7305760).

Automatic Milking Will Soon Be Here

Automatic "robotic" milking is rapidly making its way to the U.S. and Canada. Developed in Holland, where it has been on test since 1985, the AMS Liberty automatic system has six on-farm units operating in Holland, France, Belgium, and Germany. It's also now available commercially in England where it's being marketed as a two-station unit that handles 100 cows for twice a day milking, or 70 to 80 cows for 3 times a day milking. Larger three and four station units will be available later this year.

"North America could well be our next new market," a company spokesman told FARM SHOW. Cost of a two-station system is expected to be about \$189,000, with additional stations priced at about \$55,000.

Liberty is one of five European companies working on robotic milkers. Lely has introduced a rival system currently available commercially only in Holland. Others in the race are the Duvelsdorf, Silsoe and Gascoigne Melotte systems. A system is undergoing tests at University of Maryland.

With the Liberty system, each cow is

equipped with a transponder around her neck. Upon entering one of the stations, she receives a handful of feed as a bribe.

Body length and teat size for each cow are pre-programmed. If the teat cups fail to connect after five tries, or if there's the slightest evidence of mastitis, the cow is released into a holding pen to be checked out. When the teat cup cluster connects properly, the teats are washed inside the cup for 6 sec. and the first milk drawn off for another 15 sec. This "first milk" and the wash water are flushed automatically into a dump tank. Milking then commences and the flow is recorded.

"Once a system is installed and the farmer is content with the way it's operating, it should be possible to switch from twice-a-day milking to three-times-a-day, which can lead to a 15% increase in yield, achieved because the cows are more content and because they can be milked on demand," the manufacturer points out.

Contact: Liberty Milking Systems, South Rd., Bourne, Lincs, England PE109LG (ph 0778-394939).

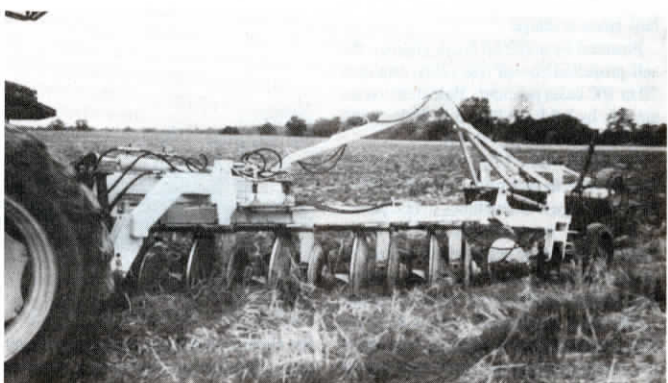


Photo courtesy Arable Farming