



The 3-pt. mounted ditcher uses 2 angled concave discs to dig surface drainage ditches.

"FASTER AND MORE ECONOMICAL THAN POWERED UNITS"

No Power Needed For New "Disk Ditcher"

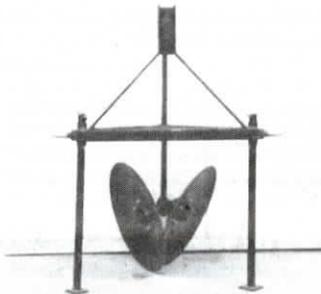
"It digs ditches three times as fast and does just as good a job as our powered digger," says Paul Klingler, farmer-inventor of the new "Disk Ditcher" that uses two angled concave discs to dig surface drainage ditches.

Klingler has used the ditcher on his own farm since 1985 and recently started manufacturing units for sale. "You can travel as fast as your tractor can pull it. We often go as fast as 12 mph. It'll work at speeds down to 5 mph."

The 3-pt. mounted ditcher is fitted with 21 1/2-in. discs mounted on 1 by 8-in. frame. The 3-pt. frame is made out of 2 by 2-in. tubing.

The ditcher works best in tilled fields, where it'll dig a ditch 2 to 3 in. deeper than the soil is tilled. With the addition of weights, Klingler says it'll also do a good job on no-till or minimum-till ground. It throws soil evenly to both sides.

Sells for \$695.



The 21 1/2-in. discs are mounted on a 1 by 8-in. frame made from 2 by 2-in. tubing.

For more information, contact: FARM SHOW Followup, Paul Klingler, Passport Equipment Co., Rt. 2, Box 60, Noble, Ill. 62868 (ph 618 752-7231 or 723-2557).

PROVIDE BETTER FEED CONTROL

Manger Dividers

Fiberglass manger dividers provide more control of what you feed your cows by keeping them from reaching over to grab feed from the stall next to them.

"They fit all 5-bar stalls, mounted with a single hose clamp. They're rigid so they can stand up to punishment from the strongest cows. Cows won't chew on fiberglass like wood or other materials and they won't rot," says John Hellerman, Hellerman, Inc., Melrose, Minn.

Dividing up the manger lets you put dry cows in with lactating cows, and helps save feed by assuring that each cow gets only its allotted amount. Hellerman says the dividers also help prevent knee damage because cows will stop straining against stalls once they realize they can't reach over anymore.

The dividers sell for \$32 and adapt to variations in curb and manger height.

For more information, contact: FARM SHOW Followup, Hellerman Inc., 41804 Co. Rd. 170, Melrose, Minn. 56352 (ph 612 256-4433).



Cows can't chew on the fiberglass manger dividers and they won't rot.

TETHER LETS CALF GO OUTSIDE WITHOUT NEED FOR A FENCE

"Tether Rod" Calf Hutch

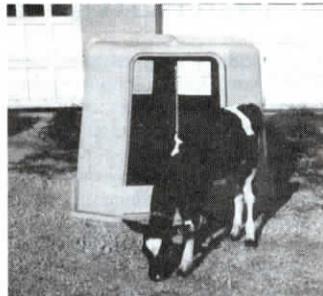
If you've been looking for a better calf hutch, you'll like this new polyethylene "Super Hutch" that's equipped with a 6-ft. long tether rod just below the ceiling. A 5-ft. long tethering chain that's attached to the calf slides back and forth on the rod, allowing the calf to go outside without need for a fence, according to the manufacturer, RMI-W, Deerfield, Wis.

The tether rod runs the full length of the hutch and is hooked to I-bolts in the ceiling. A swivel clip on each end of the chain keeps it from tangling.

"Our tether rod and chain allows the calf to go 5 ft. in either direction outside the door so she stays cleaner and keeps the chain up out of mud and manure."

The 63-1/2 in. long, 58 1/2-in. wide, and 48-in. high hutch is equipped with two 13 by 13-in. rear vents that provide cross ventilation and can be closed during cold weather, a 12 by 12-in. side feeding/vent door, a double pail holder, and a hay rack (optional)."

The company offers the same unit, with some modifications, as a hog hutch for pasture farrowing. The modifications include a roller in the front door that keeps



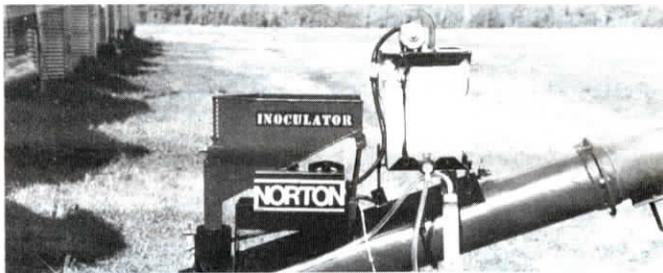
Tethering chain allows the calf to go 5 ft. in either direction outside the door.

pigs inside until they're 10 to 14 days old, and two guard rails, one on either side, that keep the sow from laying on baby pigs.

Both types of hutches are equipped with four tie-down holes to keep them in place on windy days.

The calf hutch sells for \$235 (\$225 without vents) and the hog hutch sells for \$240.

For more information, contact: FARM SHOW Followup, Agro-Power, 1812 W. Johnson St., P.O. Box 390, Fond du Lac, Wis. 54935 (ph 414 922-0064).



Seed treater consists of a liquid tank with a circulating pump that keeps mixes in suspension, and a vibrating 12-volt hopper for dry materials.

APPLIES BOTH LIQUID AND DRY

New Seed Treater Mounts On Auger

"There wasn't anything on the market that would do the job," says Saskatchewan farmer Scott Norton, of Rocanville who came up with his own "no hassle" seed treater 2 years ago that'll apply any kind of dry or liquid seed treatment.

Word got around about Norton's system and researchers from the Prairie Agricultural Machinery Institute, a government funded research center, came out to take a look. They told him he ought to patent the system and bring it on the market. Norton applied for a patent and started selling units this spring.

The new seed treater system consists of a liquid tank with a circulating pump that keeps mixes in suspension, and a vibrating 12-volt hopper for dry materials. Liquid additives or "sticking" agents are applied near the base of the auger through a hole in the top of the auger tube. The wet seed then travels 4 to 5 ft. up the auger before dry inoculant drops into the auger. Coating of the seed is completed by the mixing action

of the auger as seed travels on up.

Flow rate out of the liquid applicator is controlled by either a metering valve or flow meter depending on what sticker or seed treatment you're applying. Flow rate of dry inoculants is controlled by a calibrated slide gauge positioned at the outlet end of the hopper.

Norton says the treater works great on all kinds of cereal grains as well as beans, lentils, peas, alfalfa and other crops. "Most methods farmers use now are time consuming and labor intensive. One man can operate this system and it'll mount on any 6, 7 or 8-in. dia. auger. Clamps in place with two 3/16-in. chains."

PAMI plans to publish an evaluation report on the inoculator and also worked with Norton to develop calibration charts. Sells for \$1,995 (Canadian).

For more information, contact: FARM SHOW Followup, Cinnabar Ag-Industries Ltd., Box 23, Rocanville, Sask. Canada S0A 3L0 (ph 306 645-4441).