

PTO-DRIVEN 26-IN. PROP PROVIDES POWERFUL AGITATION

Fold-Up Pit Prop Fits Through An 8-In. Hole

"It far surpasses the performance of any other pit agitator on the market," says Neil Dornbusch, distributor of the new Rotak fold-up 26-in. dia. prop agitator that fits through an 8-in. opening.

Pto-powered by a minimum 75-hp. tractor, the 3-pt. mounted machine's prop blades simply fold forward while it's lowered down into the pit by a hand-operated winch. As the shaft begins to turn, centrifugal force causes the blades to extend into their full 26-in. dia. width.

"So far as we know this is the first full-size prop-type pit agitator ever developed. It can move as much as 70,000 gal. per minute, completely agitating an area 40 to 50 ft. wide and up to 100 ft. long," says Dornbusch.

The prop shaft can be extended down at up to a 50° angle thanks to a double U-jointed pto shaft. Besides use in hog and dairy barns, the new Rotak Prop can also be used in open lagoons. The standard 10-ft. long shaft can be custom-built to longer or shorter lengths. The new Rotak agitator sells for \$2,885.



Cutaway shows how folded-up prop fits into 8-in. pipe.

For more information, contact: FARM SHOW Followup, Liquid Waste Technology, Box 250, 422 Mill St., Somerset, Wisc. 54025 (ph 715 247-5464 or 715 247-3322).

Automatic Aeration Makes Grain Storage Easy

You'll like this new automatic aeration control for grain bins that continuously monitors temperature in as many as 12 bins and automatically makes use of the best combination of outside-air temperature and humidity.

The new computerized control can automatically aerate two different types of grain at once. "If you've got corn in one bin and soybeans in another, it'll maintain both at their individual recommended levels of quality. The unit is totally automatic so it'll adapt to different temperature and humidity levels anywhere in the country," says Glee Pearson of Pertech, Inc., the manufacturer.

The basic control unit can be used to handle 2, 4, 8 or 12 bins with the use of add-on expander controls. One or more temperature probes is used in each bin. A battery back-up system maintains the unit's memory if power ever fails.

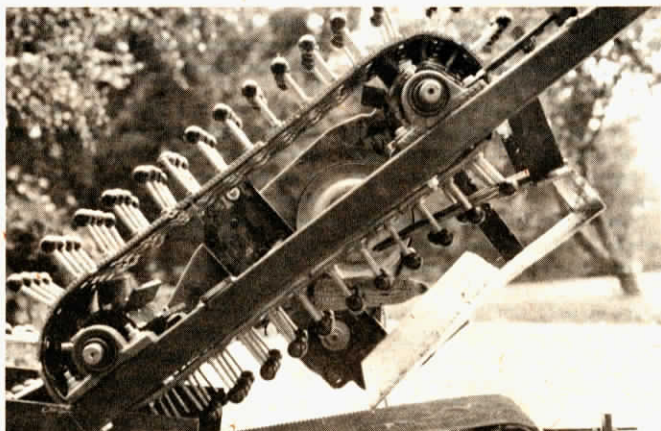
Once in use, the computerized controls contain a "self-check" feature that tells the operator at the push of a button how long the fans have been in operation, what the average air temperature and humidity have been during that time, the highest grain temperature recorded at each bin sensor, and the average grain and air temperature overall.



Pertech bin monitor maintains different types of grain at varying moisture levels.

The Pertech aeration control, set up for control of as many as 4 bins, sells for \$2,500. It can be remote-mounted anywhere on the farm for easy monitoring. It's part of a full line of natural aeration and drying equipment manufactured by the company.

For more information, contact: FARM SHOW Followup, Pertech Inc., P.O. Box 289, Trimont, Minn. 56176 (ph toll free 800 824-7274 or, in Minn., 507 639-2411).



Prototype model illustrates how ear-saving knobs on new header add-on pick up cobs for deposit in rear hopper.

Add-On Combine Header Salvages Lost Corn Ears

You can't buy one yet, but Chuck Billick's working on a new ear-saving machine that attaches like a header to your combine to pick up down corn and shred stalks at the same time.

"More than 500 million dollars worth of corn is left in the field each year," says Billick, Monona, Iowa. "If you operate 500 acres and have a 5 bu. per acre loss you can recover more than \$6,200 and at the same time reduce the volunteer corn in next year's crop. With this machine you can also chop stalks at the same time."

"The operating principle of the machine is dependent on the resilient 1½-in. dia. ball knobs mounted on the end of the 2-in. long tines," Billick explains. These knobs, spaced 2½-in. apart (center to center) blanket the surface area of the ground picking up ears of corn that get wedged between the knobs. The knobs, and the tines they're mounted on, are attached to ground-driven steel roller

chains.

Corn ears caught between the knobs move up toward a hopper and are knocked out by ejector wheels to be carried via an auger to the combine feeder house. Any stalks still attached to ears are cut away by a hydraulic-powered chopper on the way to the hopper. Billick says that any corn cob-sized rocks picked up by the machine are kicked into the combine's rock trap.

A rotary stalk chopper at the rear of the machine is powered by the combine and chops stalks as they lay in the field.

Billick plans to have three prototypes in the field this fall. He's looking for a manufacturer to build the machine.

For more information, contact: FARM SHOW Followup, Chuck Billick, 502 E. Iowa St., Monona, Iowa 52159 (ph 319 539-2837).

"Nozzle Checker" Makes Flow Rate Checking Easy

The new Nozzle Checker from Beline Mfg., Kindersley, Sask., makes checking nozzle flow rates fast and easy.

"It works great to check for partially plugged or worn nozzles so you don't over or under spray," points out Ted Bosch, sales manager for the company, noting that the unit is accurate to within 2%.

The 4 by 8-in. monitor features an overflow tube and fill tube which you place directly under the spray nozzle. Sensors within the tubes measure how long it takes to fill the fill tube between two points. This is automatically calculated into gal./min.

The monitor sells for \$175 (Canadian) and runs on a 9-volt battery.

For more information, contact: FARM SHOW Followup, Beline Mfg., Co. Ltd., Box 1840, Kindersley, Sask. Sol 1S0 (ph 306 463-6491).



Operator holds digital tester over nozzle to test flow.