

IMPELLER FAN SUCKS FINES OUT OF PERFORATED TUBE

First-Of-Its-Kind Vacuum Grain Cleaner

"There's never been anything like this new vacuum grain cleaner that sucks fines out of a perforated tube. It costs less than half as much as a conventional rotary cleaner and does just as good a job," says Harlan Olson, Montevideo, Minn.

The 2-wheeled grain cleaner cleans grain as it's loaded out of bins. It's fitted with a 6 or 8-in. dia. auger equipped with bristle flighting mounted inside a perforated steel tube. An impeller fan, powered by a small electric motor, sucks out fines, bees wings, etc., then blows them through a cyclone into a truck or onto the ground.

"It eliminates the need for extra augers, drive belts, motors, screens, etc., making it less expensive to build and also compact and easy to store," says Olson. "So far we've made only two experimental models that we rented to local farmers. They really liked them and weren't docked at all for foreign matter. After using them to clean 150,000 bu. of corn, the impellers still didn't show any wear. The bristle flighting just brushes the inside of the perforated tube to keep it from plugging up."

"We built it after our local corn processing plant set tight limits on foreign matter. They allow only 1 1/2 points for dockage, but many farmers have 5 to 9% foreign matter in their bins. We designed the perforated tube only for corn so it won't work on other grains. We aren't sure if we'll manufacture it, but if we do a 2,000 bu./hour model could probably be sold for about \$2,000, including the cyclone."



"We made a prototype of another model that's designed to bolt to the back of a grain dryer before grain is loaded into the bin."

Contact: FARM SHOW Followup, Harold Olson, Custom Ag Service, 7018 Hwy. 7 S.W., Montevideo, Minn. 56265 (ph 612 269-7770).



Cargo box is designed to replace existing factory-built truck boxes. Options include headache rack, side rails, notched tailgate, removable tailgate, spare tire carrier, etc.

"Built-To-Last" Truck Box

"It's the finest pickup truck box ever built," says James Wallace of Quest Fabrication about the company's heavy-built cargo boxes designed to replace existing factory-built truck boxes.

Originally designed for the logging industry, Quest now makes the built-to-last boxes for farmers and anyone else who does the kind of heavy hauling that destroys conventional truck boxes, or anyone with a rusted-out box on their pickup.

Quest does factory installations at its facility in Calgary, Alberta, or it sells ready-to-assemble kits that farmers can put together and paint themselves.

Inside dimensions of the tough-built boxes match those of factory boxes. They're made of 11-ga. steel with a heavy-duty sub frame of 1 by 2 by 1/8-in. sq. tubing and a double-walled tailgate. They're available as either

long or short box to fit both domestic and import trucks as well as 1-ton duallies.

Options include headache rack, side rails, notched tailgate, removable tailgate, spare tire carrier, step-on bumper, and 1/8, 3/16, or 1/4-in. steel floor. A polyurethane box liner is available and box can be galvanized.

Factory installation includes removing the old box, mounting the new box and matching company paint colors as well as installation of a new light package and wiring. Four days is required at the factory to install, paint and wire a new box.

A complete installation sells for under \$3,000. Do-it-yourself, weld-together kits start at under \$900.

Contact: FARM SHOW Followup, Quest Fabrication, Rebco Truck Boxes, 938-48th Ave. S.E., Calgary, Alberta T2G 5B1 Canada (ph 403 287-2845).



Moody used hubs off old disc-type furrow openers to make add-on furrow closers. They're mounted between gauge wheels and press wheels on his IH 400 planter.

"THEY COST LESS THAN \$5 APIECE TO MAKE"

Add-On "Furrow Closers" Made From Disc Openers

"They cost less than \$5 apiece to make and work as well as anything on the market," says Roger Moody, Clinton, Ill., who used the hubs off old disc-type furrow openers to make his own add-on furrow closers. They're mounted between the gauge wheels and press wheels on his International 400 8-row planter.

Moody bought the planter two years ago equipped with Yetter disc openers and press wheels. He mounted Yetter row cleaners in front of the disc openers to clear away trash when planting. He bought another IH 400 planter for parts and ground the rivets off the disc openers to remove them from the hubs, then re-riveted the bearings and housings together. He then welded one end of a 12-in. long, 5/8-in. dia. steel rod to the hub shaft and cut a short section of steel pipe to fit over the rod, welding the pipe to the press wheel support frame. He also inserted a set screw into the pipe so the rod holding each homemade furrow closer can be adjusted up or down for depth or turned to change the

angle of the closer disc.

"I used them last year in untouched corn stalks and soybean stubble, on both wet and dry ground, and they worked great," says Moody. "I saved a lot of money because commercial furrow closers sell for \$60 to \$80 apiece. The disc runs 3/4 to 1 in. off to the side of the furrow at about 3/4 to 1 in. deep. It pushes the furrow closed for better seed-to-soil contact. I had been having problems getting enough down pressure on press wheels to close furrows properly. Furrow closers solve the problem and reduce the need for extra down pressure on the press wheels. I had to make my own units because I couldn't find commercial furrow closers designed to fit Yetter row units. There was no place on the Yetter press wheel support frame to bolt the rod so I had to weld it on. We haven't had any problems with plugging."

Contact: FARM SHOW Followup, Roger Moody, Rt. 4, Box 324, Clinton, Ill. 61727 (ph 217 736-2611).

Easy-To-Use Bead Breaker

"It's easy to use and so compact you can throw it in your toolbox," says Jacob Unrau, about his new manual bead breaker for use on 12 to 16-in. tires.

It simply clamps in place over the rim with insertion of a small metal "key". Then you just use a wrench to tighten down a large bolt that pushes out on a finger that forces the bead away from the rim. A long handle extends backward across the rim, bracing the tool against the opposite side.

"It works so easy you can turn the wrench with one finger when popping off the bead," notes Unrau, who sells the new tool for \$52 Canadian. He's looking for distributors and dealers.

Contact: FARM SHOW Followup, J.U. Enterprises, P.O. Box 617, Ile Des chenes, Manitoba R0A 0T0 Canada (ph 204 388-



Bead breaker clamps in place over rim with insertion of small metal "key".