"Unplugger" ring bolts onto auger.

Bob Hill displays automatic nozzles.

United's new one-row corn picker.

UNPLUGS AUGER AND FEEDER

Handy 'Unplugger' For Combines

Equipping your combine header with a hand-operated "unplugger" can save valuable time during the busy harvesting season.

Instead of having to dig out bothersome slugs by hand, the "unplugger" gets the job done with just a tug or two on a short handle. You simply cut off about 2 in. of flighting and bolt the "unplugger" ring onto the end of the auger. It can go on either end but the "drive" end is preferred. After cutting off the short section of flighting, you then drill a 3/8 in. hole for a short stud welded on to the inside of the ring. This stud slips into the hole and keeps the ring or collar from slipping when it is being used to turn the auger for unplugging. Ears or notches making up the ring are designed so straw and trash do not catch on them.

If the auger or feeder plugs, the combine operator grabs the special handle and cranks the auger backward a notch or two with the handle to unplug it.

Sizes available to fit 10, 12 and 16 in. dia. augers. Cost of the ring or handle for 10 or 12 in. dia. augers is $47, and $52 for a 16 in. dia. auger.

For more details, contact: FARM SHOW Followup, Hanson Industries, Box 269, Yellow Grass, Sask., Canada SOG 5JO (ph. 306-465-2760).

SAME KIND FILLING STATIONS USE

Pump Nozzles With Automatic Shut-Off

How would you like to have automatic nozzles on your gas or diesel pumps like the filling stations use — the self-tending kind that shut off automatically when the tank is full?

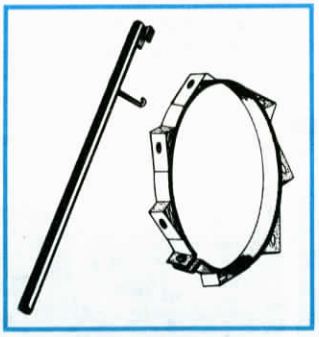
FARM SHOW has tracked down a supplier that sells its automatic shut-off nozzles to filling stations, farmers, ranchers and anyone else who wants to buy them.

"They're completely weatherproof and can be used on an outside, unprotected pump or tank year around," explains Bob Hill, of Fhemco, headquartered in Tulare, Ca.

For gas or diesel pumps that pump from an underground storage tank, Fhemco offers model OTW-1A. It sells for $53.40. For overhead gravity flow fuel storage tanks, Fhemco offers model 405. It sells for $27.00.

The price of both models includes shipping. Both models connect to 1 in. hose or, with a bushing, to 3/4 in. hose. They come equipped with a long, 7 in. neck which reaches down into the tank to avoid spillback, explains Hill. The on-off valve has a fast and slow setting. The "slow" notch allows small tanks to be filled without fuel backing up to keep shutting off the nozzle before the tank is full. Hill also notes that the built-in automatic feature doesn't restrict flow of the nozzles. "They have as much capacity as comparable size nozzles without the automatic shut-off feature," he points out.

For more details, contact: FARM SHOW Followup, Fhemco, c/o Bob Hill, 1054 North J. St., Box 88, Tulare, Ca. 93274 (ph. 209-688-2977).



"Unplugger" handle is designed to hook into "ear" notches of ring, which is bolted to end of auger.

"In-Line" Filter Detects Mastitis

Plans for marketing a new "in-line" mastitis detector were being finalized as this issue of FARM SHOW went to press. "We're excited about the possibilities of this new development in mastitis control," said Bill Eidson, president of Eidson Associates, Minneapolis, Mn. His firm has finalized plans to market the new device, developed in England, to dairymen throughout the U.S.

The detector is placed in the milk hose, either close to the cluster or at eye level, with the filter on which mastitis clots collect facing upwards. As he removes the cluster from each cow, the operator glances at the filter for a quick reading to see if there is any evidence of mastitis.

After milking, the detectors are removed and any debris rinsed off by back flushing with a special jet provided by the manufacturer. "A few small clots do not necessarily indicate infection, but large clots, or many small clots, usually do," Eidson explains. "The infected quarter may be detected by palpitation after milking, or by examing strippings on a foremilk cup.

Here's how researchers at England's National Institute of Research and Dairying size up findings of their investigation: "The in-line filter is not an alternative to a fully automated system. It is a simple inexpensive device, suitable for all herds, which can be used with advantage to replace the current methods, providing the milker observes the filter at each milking. We recognize that filters of this type will not detect clinical mastitis resulting in discoloration of milk, or when the milk forms a sediment. However in practice, these can rarely be detected using a foremilk cup. Similar versions of the same design have been produced for experimental work with an individual quarter milking machine."

The new devise is relatively inexpensive. One package of 3 filters sells for $15.

For more details, contact: FARM SHOW Followup, Eidson Associates, Box 16073, Minneapolis, Minnesota 55416 (612-926-9711).