

# Self-Propelled Grain Leg

New from the Quadro Corp., Glenwood, Minn., is a self-propelled grain leg called the Grain Hawk.

"It'll go under an 11 ft. door to move grain in or out of flat storage," says LeRoy Olson, sales manager. "For unloading large round bins, the input end of the auger can extend up to 26 ft. inside the bin, if necessary."

A 25 hp direct and variable speed drive moves grain through the unit's 10 in. dia. auger at the rate (actual) of up to 3,500 bu. of corn or wheat per hour. "If the auger becomes plugged, the drive motor can be reversed to eject the problem. It's a floating drive by which the motor is attached directly to the auger, but in such a way that vibrations of the auger can't tear the motor apart," explains Olson.

The Grain Hawk, set on an 11 by 20 ft. carriage, is powered by a 52 hp Deere diesel engine. It has position-traction drive front wheels for moving the auger into the grain pile.

Equipped with a 65 ft. long auger, the unit can load into a 46 ft. tall bin. An 80 ft. auger has a 52 ft. reach.

Road speed is 23 mph. The rig's road width of 12 ft. can be narrowed to 8 ft. by folding up the hinged drive wheels and setting the unit on a dolly that pulls behind a pickup. With this dolly, the unit can be towed down the road at about 45 mph. In the transport

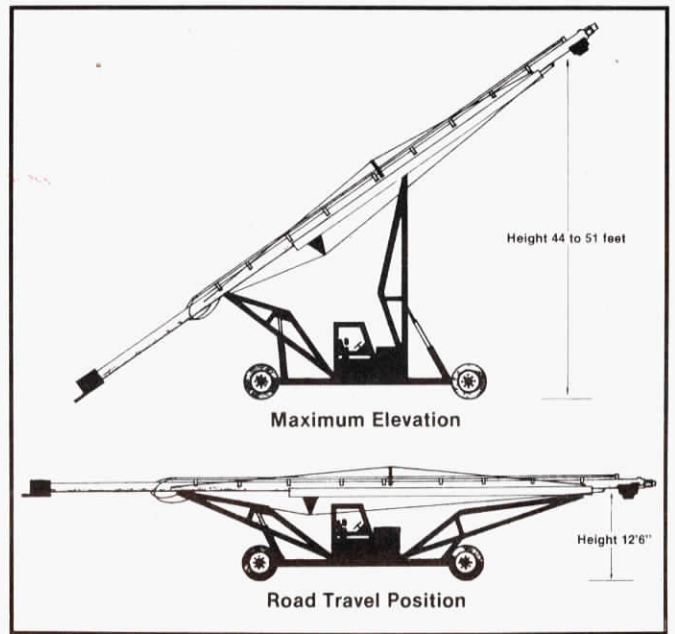


**The Grain Hawk lowers under an 11-ft. door to move grain in or out of flat storage.**

configuration, the Grain Hawk is 12½ ft. high and as long as the auger itself.

Prices range from \$19,000 to \$24,000, depending on auger length (60 to 80 ft.) and optional accessories. Carriage can be purchased without a factory-equipped auger.

For more details, contact: FARM SHOW Followup, Quadro Corp., R. 3, Box 81, Glenwood, Minn. 56334 (ph 612 239-2238).



## SLIPS DOWN THROUGH SLATS TO REMOVE SLUDGE BUILDUP

# "Go Anywhere" Agitator For Inside Manure Pits

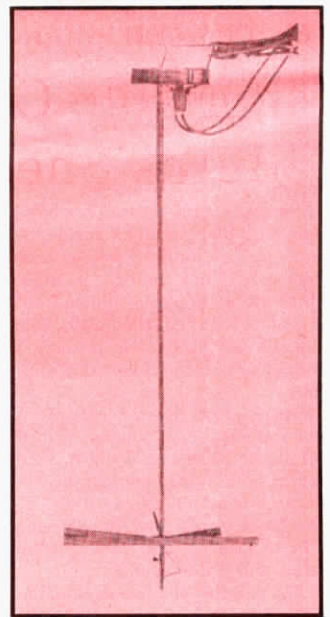
A new "go anywhere" portable pit agitator from Balzer Mfg., Mountain Lake, Minn., makes it easy to remove sludge buildup in inside manure pits prior to pumping.

You simply take out a section of slatted flooring and set the portable pump down into the pit. "In most cases, one setting is all that's needed in a pit 10 by 70 by 8 ft. deep for the agitator to combine the sediment and liquid into an easy-to-remove slurry of uniform consistency," explains a company spokesman. "The new Model 314 agitator's powerful mixing action cuts through 3 to 4 ft. of buildup on the bottom of the pit. Prior to draining, one to two hours of agitation with the agitator will provide uniform consistency fertilizer from the first load to the last."

Dual intakes on the top and bottom of the submersible pump, and the 3 by 14 in. impeller, work together to pull the unit through buildup on the bottom of the pit."

If there is any clogging problem with chunks of crust or bedding, the hydraulically-driven agitator can be reversed to unplug itself.

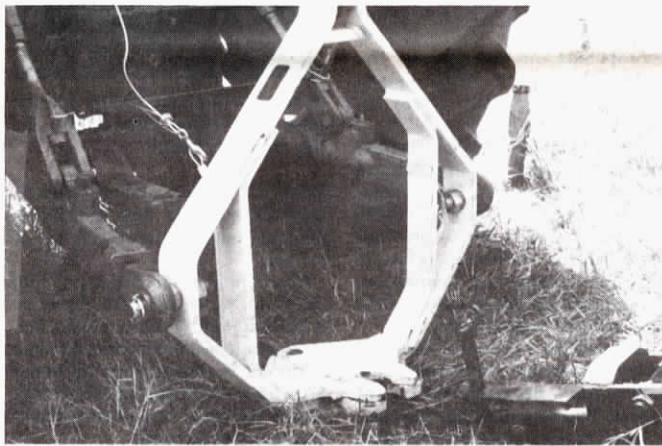
The unit weighs 115 lbs. and can be operated by a small tractor (with 8 gpm and 1,700 psi capacity). The pump's metal support tower adjusts for pit depths of 4 to 8 ft. The impeller is mounted direct on the motor so there are no bearings or shafts to cause problems.



**A long handle lowers the pit agitator down through the slats.**

The pump rotates at 700 rpm's and has a rated discharge of 1,700 gpm. Sells for \$995.

For more details, contact: FARM SHOW Followup, Balzer Mfg., Mountain Lake, Minn. 58159 (ph 507 427-3133).



**Unlike most quick hitches, the Rapid Hitch leaves your pto accessible.**

## HITCH AND UNHITCH EQUIPMENT IN SECONDS

# 3-Pt. "Rapid Hitch" Lets You Use Pto

"Rapid Hitch" is an automatic 3-pt. hitch with a unique open center system that lets you use your pto equipment without having to remove the hitch or switch tractors.

The hitch fits on all Cat. II 3-pt. hitches or drops onto your quick hitch. To hitch up, simply back up until the pin, which is left inserted in the tongue of the trailer or implement to be pulled, snaps the locking jaws on the hitch shut. To unhitch, just pull the cable that releases the lock.

You can hitch and unhitch without leaving the tractor seat.

The wedge-type lock on the Rapid Hitch handles up to 1-in. drawpins. The outer frame of the hitch is made of ¾ in. by 2½ in. hot rolled bar.

Sells for \$200.

For more information, contact: FARM SHOW Followup, K & M Manufacturing, Box 409, Renville, Minn. 56284 (ph toll free 800 328-1752. In Minn., call 800 992-1702).