

**"ELIMINATES 98% OF CROP DAMAGE CAUSED BY AUGER"**

## Belt Conveyor Replaces Combine Unloading Auger

"Using the BeanVeyor instead of the combine's conventional unloading auger eliminates 98% of the damage to the crop as it's unloaded. Augers nick and scar the crop, which lowers its value. And, in wet conditions, augers tend to mix mud, weeds and the crop together," says Gale Maust, Bay Port, Mich., manufacturer of the BeanVeyor.

Maust says his invention, which uses a belt conveyor rather than an auger to unload the grain tank, is sparking a lot of interest among area farmers, especially those who raise dry beans, such as kidney, pinto and navy beans. "If the beans skin is damaged, the farmers receive less for them and may not be able to sell them at all," Maust points out.

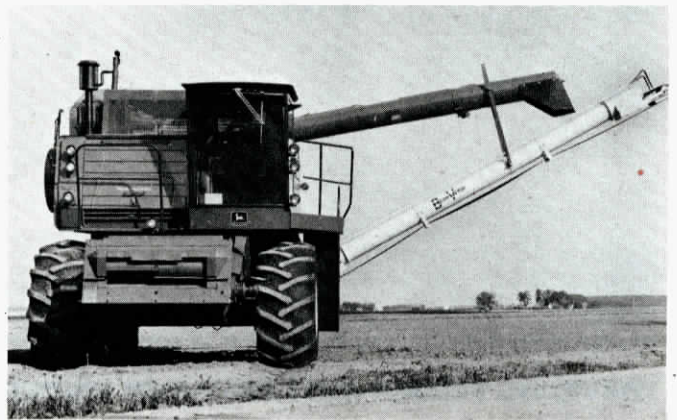
He notes that his BeanVeyor can also be used to convey soybeans, corn and small grains. He feels it will be especially popular with the seed growers of these crops, as well as soybean growers who are forced to harvest wet beans and need to minimize crop damage. After removing the BeanVeyor from the combine, you can also use it to convey seed,

grain and fertilizer to and from trucks and bins.

The BeanVeyor mounts on Deere's Titan and International's Axial Flow combines, adjusting to the same height as the existing auger but leaving the auger intact. On Deere models, it mounts on the side of the combine hanging from the unloading auger. On Internationals, it anchors to the side and top of the combine without attaching to the auger. On both models, you use the unloading auger's control lever to swing the BeanVeyor into position.

A flow control door mounted on the side of the grain tank regulates crop flow into the discharge hopper. On Internationals, you cut a hole into the side of the tank for the door, while on Deere combines you remove a plate from the side of the tank.

The crop then flows from the hopper onto the BeanVeyor's 12-in. wide rubber belt. Equipped with crescent-shaped lugs, it picks up and carries the crop into the waiting truck or wagon. Maust says the BeanVeyor's unloading speed is comparable to a conventional unloading auger for dry



**On Deere combines, the belt conveyor hangs from the existing discharge auger.**

beans but is slower than augers when conveying shelled corn.

Installation uses existing holes with some modification to the sheet metal. Afterwards, the BeanVeyor detaches from the combine by removing four bolts. A control unit mounted in the cab electro/hydraulically con-

trols the belt's stop/start action and the flow control door.

A 16-ft. long model sells for \$3,500. For more information, contact: FARM SHOW Followup, Maust Enterprises, Inc., 8639 Pigeon Road, Bay Port, Mich. 48720 (ph 517 453-3837).

### CYLINDER MOVES IT IN OR OUT FOR EASIER, SAFER HITCHING

## Easiest Hitching Tractor Drawbar We've Ever Seen

"It's like being able to move the tractor, only you move the drawbar instead," explains Minnesota farmer Harold Fratzke, of Cottonwood, inventor of the easiest hitching tractor drawbar we've ever seen.

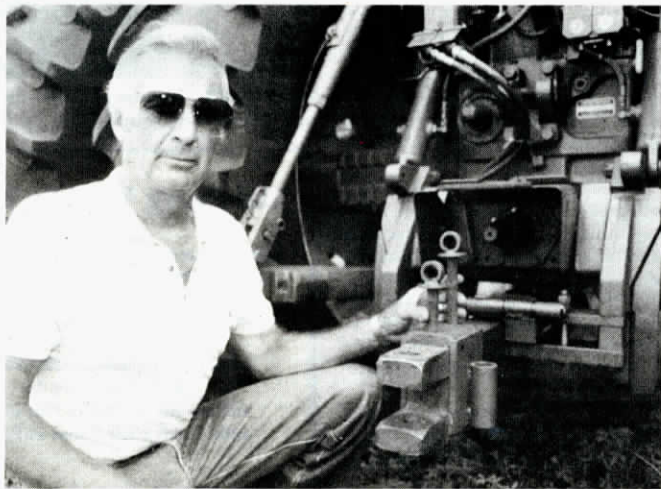
Fratzke removed the original curved drawbar on his Deere 4840 tractor and replaced it with a straight drawbar and hydraulic cylinder which moves the drawbar in or out for easier, safer hookup.

This in or out movement (up to 6 in.), coupled with 12 inches of swing to either side, makes it easy for one person — in only one trip out of the cab — to walk behind the tractor and, in a matter of seconds, safely hook up most any implement. Fratzke points out,

"In hooking up to an implement, the operator — standing behind the tractor — deliberately backs up anywhere from 1 to 5 in. too far. By activating a hydraulic lever, he moves the drawbar in or out, as needed, to align it with the implement hitch. He then swings the drawbar right or left to align the holes and drops in the hitch pin.

With the hitch pin installed, the operator then hits the hydraulic lever to extend the drawbar full length (5 in.) to eliminate any pull on the hydraulic cylinder.

Fratzke's new Hydraulic Swivel Hitch incorporates three key features which can be purchased as one complete package. Or, you can buy the features separately for incorporation



**Fratzke holds the two pins which you pull to slip the "boltless" double clevis into the "high" or "low" hitch position.**

into your existing tractor drawbar.

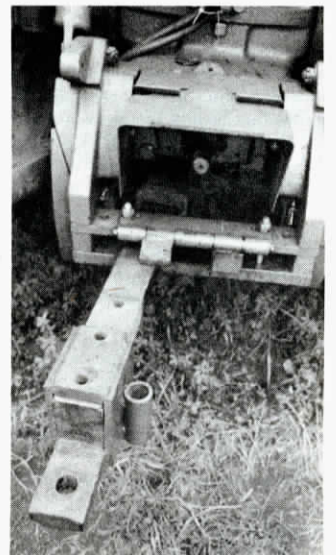
**Automatic Drawbar Swing Lock** — It allows you to freely swing the drawbar right or left as needed for easy hookup. When you pull forward, the device automatically locks the drawbar in place.

**Easy On-Off Double Clevis** — Adaptable to most any drawbar that uses a double clevis, it eliminates the time-consuming chore of having to bother with bolts every time you want to reposition the clevis. You simply pull two pins to slip the clevis off, re-position the clevis as desired, then

secure it by dropping the pins back into place.

**Cylinder-Operated Drawbar** — It involves having your existing curved or straight drawbar removed and reworked for in-and-out operation with a 3½ by 8 in. hydraulic cylinder.

The Easy On-Off Double Clevis is already in production and available commercially to fit most any tractor presently equipped with a bolt-on double clevis. The Swing Lock is in production and available for most Deere and International tractors from 1961 and newer, plus other makes.



**Flip-flop stops lock drawbar in desired position when you pull forward.**

Fratzke is making arrangements to also have his cylinder-operated drawbar manufactured commercially. Meanwhile, he'd welcome inquiries from farmers and ranchers interested in having one custom built.

For more information, contact: FARM SHOW Followup, Harold Fratzke, 234 Shoreview Drive, Cottonwood, Minn. 56229 (ph 507 423-6341).