



Grain that would normally go through rethresher is carried to front of combine and fed back into feederhouse.

### SAVES A BUSHEL AN ACRE

## Combine Return Auger Improves Threshing

"It saves up to a bushel an acre in wheat and canola," says Dave Kruger, Dalmeny, Sask., designer of add-on return auger for Massey Ferguson and International Axial Flow combines.

The system involves removing the rethresher off the combine and running grain that would normally go through the rethresher back to the front of the combine. There, it's fed back through the feeder housing and into the main cylinder. The return system improves threshing, reduces cracking and reduces sieve loss, according to Kruger.

To install, on Massey combines,

you simply remove the rethresher and extend the auger and flighting. A 7-in. dia. auger is then installed alongside the combine and dropped into a cross auger that empties grain into a 4 by 17-in. hole cut in the top of the feeder house. The return auger powers the 7 in. drop auger while the cross auger is chain driven, or powered hydraulically.

Price for the system is \$2,000 (Canadian).

For more information, contact: FARM SHOW Followup, Dave Kruger, Box 119, Dalmeny, Sask. SOK 1E0 (ph 306 254-4228).

### TRANSMITS SIGNAL WHEN COW LIFTS TAIL TO BEGIN LABOR

## New "Calf Detector" Signals Delivery Time

You'll never miss another calving with this new "calf detector" radio transmitter that mounts on a cow's rear end and is triggered when the cow raises her tail at the onset of labor.

"When the cow raises her tail for 3 min., the transmitter emits a 10-sec. signal, then shuts itself off. If the tail is still up 3 min. later, it again emits a 10 sec. signal. The signal is received by a pocket-sized belt receiver which sets off an alarm," explains James Baker, distributor of the new "Calf-Call".

The solid state transmitter and the switch tied to the cow's tail attach securely to the animal with adjustable flexible straps that tie to the cow's front and rear legs.

The range of the transmitter is about 1/3 of a mile, depending on the terrain and buildings. Antennas can be added to extend the signal up to a couple miles. One receiver can receive from several transmitters.



When cow holds tail in air for 3 min., transmitter sends out a birth alarm.

Cost for one transmitter and receiver is \$795.

For more information, contact: FARM SHOW Followup, Anlift, Inc., 12748 New Windsor Road, Union Bridge, Maryland 21791 (ph toll-free 800 622-0072).



"Robot baler" features automatic steering and air-bag springs, (see side of baler in photo) that provide uniform bale density at an infinite range of pressure settings.

### "THE FIRST BALER THAT THINKS"

## "Robot Baler" Weaves To Form Even Bales

What may be the most sophisticated round baler ever was unveiled at the recent Farm Progress Show in Indiana by Vermeer Mfg. Co., Pella, Iowa. The new 605J baler, which has built-in sensors and hydraulic-controlled steering, automatically weaves back and forth across windrows to form perfectly even bales.

(Massey Ferguson, which gets its round balers from Vermeer, is also offering the new "Baler That Thinks".)

The 605J is equipped with a pair of bale-sensors on either side of the back of the baler. These press against the outermost belts on either side, moving outward under pressure of the growing bale. The relative positions of the two sensors are electronically monitored so that when one side or the other becomes uneven, a signal is sent to hydraulic steering cylinders on either wheel on the baler, and the baler automatically weaves across the windrow to pick up hay to fill out the bale. As the baler travels down the row, the sensors continually send signals to the steering hydraulics, causing the baler to evenly cross back and forth across the windrow on its own.

"It adds 200 to 300 lbs. to every bale because they're so evenly packed," says Dennis Vandermolen, company representative, noting that the baler makes bales up to 6 ft. in dia. and 5 ft. wide.

In addition to the computerized auto-weave system, the baler has several other new features. Air-spring belt tension provided by a new air-bag shock provides uniform bale density at an infinite range of pressure settings. The operator can easily release air pressure in the side-mounted air bags to allow access for maintenance to the belts and inner bale chamber.



Bale sensors monitor tension of belts and tell baler wheels when to weave across windrow.

The new 605J baler also features automatic twine tie with available manual controls for special conditions. It has a near-full bale indicator light as well as a full-bale light and buzzer. It can also be fitted with an automatic bale ejector so you don't have to back up to dump bales.

"It has many other improvements and refinements that we think makes this the premier baler on the market," says Vandermolen.

The new baler, with auto weave and air springs, sells for \$16,507. Also new from Vermeer is a 503I baler which makes 3-ft. dia. bales. It sells for \$8,000.

For more information, contact: FARM SHOW Followup, Vermeer Manufacturing Co., P.O. Box 200, Pella, Iowa 50219 (ph 515 628-3141).