



Hydraulically operated discharge gate provides controlled feedout.

New "Augerless" Feed Mixer Wagon

You've never seen anything like it — a new "augerless" feed mixer wagon called the Quick Mixer.

"It does everything conventional auger-type wagons do, yet costs a lot less and requires considerably less maintenance," says Lee Stirling, president of Innovative Implements Inc.

The firm, headquartered in Ridgetown, Ont., Canada, has been licensed to manufacture and market the revolutionary mixer wagon throughout North America. It was developed in England and is catching on fast with livestock producers throughout Europe.

"It mixes silage and grain with 95% or better efficiency as fast as you can load in the ingredients," Stirling told FARM SHOW. Instead of conventional augers, the Quick Mixer features a large primary mixing rotor, and a smaller secondary rotor.

The primary rotor is 4½ ft. in dia. and rotates at 6 rpm. The outer bars on the 4-bladed rotor are spring loaded to prevent the material being mixed from wedging.

The small secondary rotor is 6½ in. in dia. and rotates 10 times as fast as the primary rotor (60 rpm) and has 8 in. tines welded onto it to mix, stir and propel feed.

"Anybody who regularly feeds haylage will especially appreciate the augerless Quick Mixer," says Stirling. "It folds and thoroughly mixes the sticky material without plugging, and without the abrasive action which develops in auger-type wagons and quickly wears out sheet metal under the augers. The pto-driven rotors run off externally mounted roller chains which are easy to service."



Note that end pipes on 4-bladed rotor are spring loaded. Smaller secondary rotor is on left.

The Quick Mixer will handle long-stem material, including conventional straw bales which, with the twine or wire removed, can be put into the wagon "as is".

Big bales have to first be broken up into smaller chunks.

Another key feature of the new-style mixer wagon is its low power requirement. "A 60 hp tractor will handle it," says Stirling. The hydraulically operated discharge door, which provides controlled feedout, will direct feed into a fence line or regular bunk. Feed discharges from the wagon's entire 10-ft. length and at a height of more than 4½ ft.

Capacity of the Quick Mixer is up to 7 tons, depending on the type of feed being mixed. The box itself is 10 ft. long; 5 ft., 8 in. wide; 5 ft., 10 in. high; and has a capacity of 11.3 cu. yds. Height from ground level to the top of the box is 8 ft.

Cost of the Quick Mixer is right at \$12,000 in the U.S., \$12,500 in Canada.

For more details, contact: FARM SHOW Followup, Innovative Implements Inc., Box 627, Ridgetown, Ont. NOP 2CO (ph 519 674-2361).



Front-mounted Viccon trapeze rake pulls 18 ft. wide swath into 5 ft. windrow.

LETS YOU DO UP TO 80 ACRES A DAY

Bale While You Rake With New Front-Mount

They're calling it the first one-pass haying system ever and its inventor, Robert Caraway, Zebulon, Ga., agrees.

"This front-mounted rake lets you rake and bale up to 80 acres a day — on hilly or level ground," says Caraway, inventor of the just-introduced rake frame. It mounts on most any front-end tractor loader and is fitted with Viccon Farm Machinery trapeze rakes. With your rake up front, you can pull the baler behind the tractor — eliminating one trip through the field.

Caraway's ground-driven rake is ideal for big round bales with its wide 5-ft. windrow. Tractor size is dictated by the power requirements of the baler you're pulling.

"Rapid baling gives you more control over hay quality," Caraway points out. "For one thing, you never run over the hay, which is important under some conditions. For another,

hay doesn't sit in windrows. If it starts to rain while baling, just lift the rake and finish what's left under the tractor. No wet windrows."

Here, according to Caraway, are other advantages: You can lift the 18 or 20-ft. wide rake through gates and over obstacles with the loader. The rake folds for road transport to just 10 ft., and the base of the rake frame doubles as a 3-pt. bale spike to move bales once they're formed.

Most important, according to Caraway, are the economics of eliminating at least one trip through the field.

The 18-ft. rake sells for \$3,500. If you already have a Viccon Trapeze rake, cost for the front-mounting frame alone is \$1,600.

For more information, contact: FARM SHOW Followup, Robert Caraway, Pike Manufacturing Corp., P.O. Box 67, Zebulon, Ga. 30295 (ph 404 567-3202, or 567-3464).

**LETS YOU HOOK OR UNHOOK THE PTO SHAFT
RIGHT FROM THE TRACTOR SEAT**

Automatic Coupler For Tractor Pto's

New from Custom Made Equipment is a first-of-its kind automatic coupler for tractor pto's. Without leaving the seat of the tractor, the driver hooks or unhooks the pto shaft by simply moving the lever which controls the hydraulically-operated automatic coupler.

"Works great for pto-driven silage wagons," says Charles Thor, inventor-manufacturer. "You don't have to be right on the money in backing up to the coupler. And you

no longer have to carry a pipewrench along to align the pto so you can get the splines to match up. This coupling does it all automatically."

The male portion of the automatic coupler mounts on the tractor's pto shaft. It's cone shaped to fit into a special female adapter mounted on the end of the wagon's pto shaft. The drive mechanism on the male end is made up of a roller chain sprocket. A random tooth or cog on the sprocket engages a pin on the female end as the