



These cast iron hub extensions are one of three types of wheel spacers developed by Unverferth.

MAINTAIN RIDGES BY STRADDLING ROWS

“Ridge Till” Wheels For Tractors, Combines.

Ridge-tillers will be interested in a new straddle-row conversion kit for tractors and combines developed by Unverferth Manufacturing, Co., Inc., Kalida, Ohio.

The company has come up with wheel spacers that let you straddle ridges, maintaining your seedbed without damaging ridges or compacting them. Even if you're not a ridge tiller, it'll let you reduce compaction by adding a “spaced out” dual that runs in the next row.

The company sells three types of spacers. Straddle row bands are designed to convert open center duals and are available in any size and diameter. They're pre-sized to wedge

against your dual wheels with the help of longer add-on hooks.

Hub extensions are used for converting direct axle duals to a straddle row position. Made from cast ductile iron, hub extensions are available in 5-in. and 10-in. widths for both 9-hole and 10-hole wheel design.

The third spacer kit is a narrow row wheel conversion and straddle row kit for combines. It consists of narrower wheels, if needed, and a hub extension.

Prices range from \$120 to \$400.

For more information, contact: FARM SHOW Followup, Unverferth Manufacturing, Co., Inc., Kalida, Ohio 45853 (ph 419 532-3121).



Spreader features huge, spring-loaded injection knives and 6-ft. tall tires.

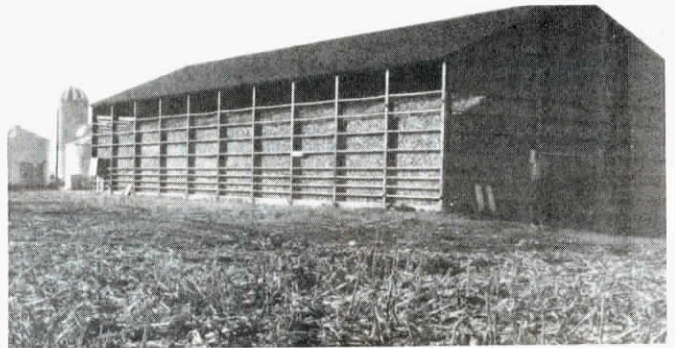
UNLOADS ITS ENTIRE 6,500 GAL. PAYLOAD IN 4½ MIN.

World's Largest Spreader

Farmers at the recent Farm Progress Show in Illinois crowded around Kelderman Manufacturing's giant new manure spreader with its whopping 6,500 gal. capacity and ability to inject its entire load into the field in minutes.

Powered by an 1150 cu. in. Cum-

mins diesel 525 hp. engine with a 12-speed powershift transmission with six working gears under 10 mph, the huge machine amazed crowds with its maneuverability and speed. It's equipped with a state-of-the-art computerized cab built by Steiger Tractor, Inc.



Kloepfer's 20,000 bu. crib could quickly be converted to a machine shed or barn.

“WIND TUNNELS” DRY CORN FROM BELOW

Huge Energy-Saving Canadian Corn Crib

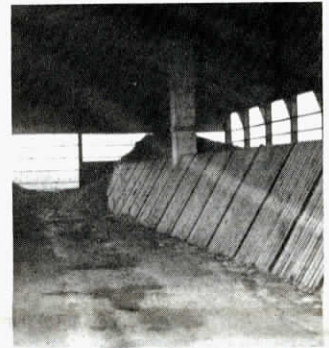
A Canadian farmer has built a king-size corn crib that eliminates the problems of handling and size that normally limit the use of cribs.

Mike Kloepfer, who farms with his father near New Durham, Ontario, built his 20,000 bu. corn crib with the help of the Ontario Ministry of Energy to avoid the cost of conventional bin dryers to dry shelled corn. The corn crib is 40 by 100 ft. with a concrete base and wire sides. If their situation changes, the Kloepfers say they could quickly convert the building to a storage shed, unlike grain bins.

The building is loaded with corn by elevators through gaps under the roof along the sidewalls. The building is unloaded by front-end loader.

Two triangular air tunnels run down either side of the building. The tunnels are made from individual triangular-shaped metal and wood sections that are lined up end to end on the floor of the building. The slatted, free-standing triangular sections create air tunnels beneath the corn that carry air into the corn for aeration. Large fans blow air in from either end and are hooked up to automatic humidity monitors that turn the fans off when the corn gets down to a pre-set level.

Air flow through the corn is critical, according to Kloepfers, and is affected by the shape of the pile of ears. The piles should be rounded with the highest points directly over the tunnels. The edges of the piles should drop toward the outside so the outer edges of the stored corn are always about the same distance from the air



Free-standing triangular-shaped wooden sections run the length of the structure. Fans below air in beneath them.

tunnels. Effort should also be made to avoid piles of loose kernels and fines which will block airflow.

The Kloepfers plan to add plywood skirting around the sides of the building just under the roof to keep snow from blowing in on the pile and melting.

Energy specialist Mike Columbus of the Ontario Agricultural Energy Centre in Delhi worked with the Kloepfers on the project. “It's convenient, low cost, versatile, and provides quality corn without the handling problems and limited size that's normally associated with corn cribs.”

For more information, contact: FARM SHOW Followup, Mike Columbus, Energy Centre, P.O. Box 186, Research Station, Delhi, Ontario Canada N4B 2W9 (ph 519 582-3301).

“It takes just 4½ min. to load and 4½ min. to unload,” says a Kelderman representative. “We recently unloaded and spread 92 semi loads of manure in one day. It was built from the ground up with 4-wheel steering and push-button computerized operation.”

The manure tank is 7 ft. in dia. and 23 ft. long. An 8 by 8-in. toolbar mounts behind it on a 3-pt. lift. It carries nine huge spring-loaded in-

jector knives. The spreader is fitted with monitors that give a constant readout of the nutritional content of the manure in the tank.

The king-size spreader sells for \$355,000.

For more information, contact: FARM SHOW Followup, Kelderman Manufacturing, Inc., Hwy. 92 East, P.O. Box 273, Oskaloosa, Iowa 52577 (ph toll-free 800 247-8110 or, in Iowa, 800 622-8236).