

## RAKE WITH POWER INSTEAD OF PULL

# Hydraulic Drive For Hay Rakes

Business is booming for a California firm that rebuilds new and used side delivery hay rakes (mostly New Holland brand), converting them from ground to hydraulic drive.

"The ground-driven method of raking is the horse and buggy way," says Dave Allen, who heads up the Allen Manufacturing Company, Sanger, Ca. "Our Power Drive Rake Converter system takes the rake drive off the ground, eliminating nearly 150 conventional and troublesome parts."

Heart of the conversion system is a hydraulic motor and linkage unit which connects directly to the star-shaped hub of the rake. Here are other advantages Allen feels his conversion drive system offers:

- "The operator can speed up or slow down the rake mechanism regardless of forward travel speed. Or, he can stop the rake completely with the flip of a lever for moving from field to field or down the road.

- "There is no problem with the rake wheel not turning because of poor traction, as sometimes happens with ground-driven rakes."

- "Adjustable hydraulic speed control of the rake makes it easier to pinpoint the optimum speed for turning hay."

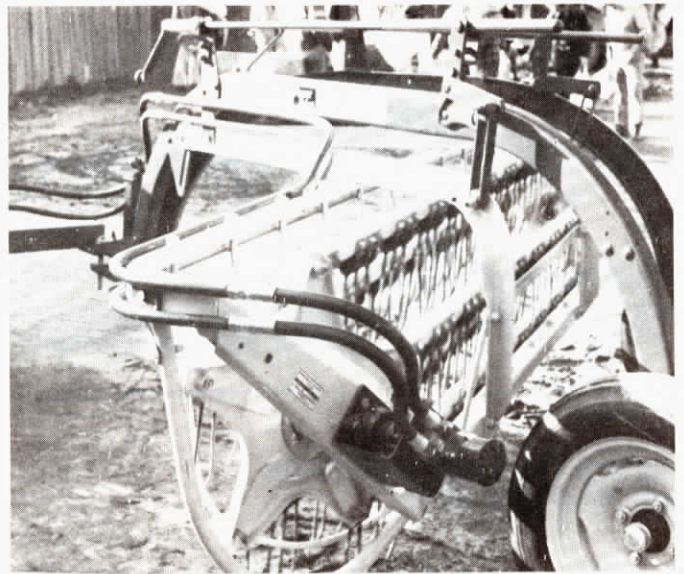
Allen Manufacturing's rake converter kit includes new wheel hubs which replace the existing axle assembly. Allen also offers slotted star-shaped hubs which allow quick

removal of tine bars for maintenance or repair, and sealed ball bearings to replace conventional grease-type tine bar bearings.

Allen notes that Deere makes the tines used in New Holland rakes. "We bought the molds and make the exact same tines Deere and New Holland offer. We sell them for \$2.25 apiece, which is considerable lower than the going rate. We overhaul and rebuild old rakes with our Power Drive conversion kit for about half the cost of a new rake," Allen told FARM SHOW. "We take rebuildable old rakes in trade for rakes which have been rebuilt and equipped with our Power Drive. We have had a few customers buy brand new ground-driven side delivery rakes, then bring them in for conversion before even going to the field with the new rake."

Allen also has introduced a toolbar for ganging side delivery rakes and other equipment. The toolbar is adjustable for length in 3 in. increments with the pull of a pin. Hitching points are permanently welded to the end of the toolbar. It's equipped with built-in hydraulic piping and connections to accommodate a set of twin rakes, or a single rake set-up.

For more details on both the adjustable toolbar and the Power Drive Conversion kits, contact: FARM SHOW Followup, Allen Manufacturing, 21136 East Trimmer Spring Road, Sanger, Ca. 93657 (ph. 209-787-2050).



Power Drive Rake Converter connects directly to the star hub of the existing side delivery rake. It replaces the wheel-drive mechanism, independently powering the rake smoothly and consistently.

## "ONE WHEELER" SYSTEM

# Self-propel Conversion For Pull Type Balers

That new self-propelling system for converting pull type balers, choppers, sprayers and mowers into highly maneuverable, self-propelled units which we told you about in FARM SHOW a year ago is now available with an optional cab.

"Interest has been tremendous,"

says a spokesman for Keith Manufacturing, prime developer and manufacturer of the "One Wheeler" system. With quick-attach adapter plates, the owner of the front steering One Wheeler assembly can use it as a transferable unit that can go from baler to sprayer to corn chopper and other equipment originally designed for towing behind a tractor. Instead of buying each piece of equipment as a self-propelled unit, the One Wheeler provides self-propelling capability with lower cost pull type equipment. When you buy a new machine, you simply buy another pull type model and use the existing One Wheeler to convert it into a self-propelled unit.

The conversion assembly provides full power steering with extremely short turning radius. It offers full hydrostatic drive with infinitely variable speed from 0 to 20 mph. It's equipped with planetary hub lockout and tow bar, allowing one operator to move the One Wheeler-equipped baler, and a pickup truck loaded with wire, fuel and other supplies, down the road and from field to field. The unit is also designed for full control of the baler right from the driver's seat. The cab is located high enough for excellent vision both forward and backward. An engine mounted on the baler provides power for the baler, and for the self-propelling capability provided by the One Wheeler conversion unit.

For more details, contact: FARM SHOW Followup, Keith Manufacturing, Box 1, Madras, Oregon 97741 (ph. 503-475-3802).



Adapter plate allows "One Wheeler" self-propelling system to be transferred from baler to swather or other pull type equipment.