"BUILT FOR PRECISION HARVESTING"

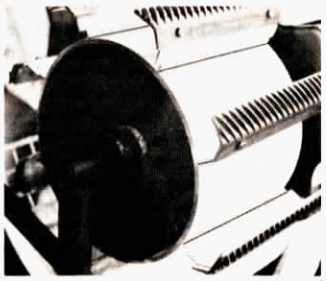
New Cylinder, Concave For Deere Combines

"It's 140 times stronger than Deere's original cylinder and will run true under all conditions for near perfect separation," says combine specialist George Kuchar, Carlinville, Ill., who designs and builds replacement cylinders and concaves for Deere combines.

Deere's original cylinder consists of a pipe shaft down the center with support braces mounted at intervals down its length. Rasp bars mount on the support braces. "This design doesn't provide enough support. You can look at any bar after it's been on for a while and it'll have a bend in it. Also, because of the open design, dirt and other material builds up inside the cylinder and unbalances it. This causes it to run unevenly and do a poor job threshing and also prematurely wear out bearings and belts."

Kuchar's cylinder consists of a 16-in. dia. pipe made from heavy gauge, 3/8-in. thick steel. Rasp bars mount directly to supports welded to the outer circumference of the pipe. Kuchar says that, in effect, the pipe replaces the center shaft and eliminates the need for the support braces that carry the bars on Deere's cylinder.

"It's much stronger and at least four times heavier than the original cylinder but it's perfectly balanced. Because of the closed design, dirt and debris can't get into it. Existing belts and bearings are heavy enough to handle it and, in fact, will last longer because the cylinder runs so evenly without the hammering action most operators experience," says Kuchar.



Kuchar changed the design of cylinder, and rasp bar angle.

In addition to changing the design of the cylinder, Kuchar also changed the angle of the rasp bars slightly, leveling them out. "The bars are angled so sharply the way they come from the factory that they pinch. These run more smoothly over the concave and do a better, more consistent job," he explains, adding that he uses the original equipment rasp bars.

Kuchar has also developed a new and heavier concave. He says it has 2 more bars than the original and is simply built much heavier. No modification of the combine itself is required to install either the concave or cylinder. They'll fit any Deere machine. He's working on a modification for Case/IH Axial Flow machines.

For more information, contact: FARM SHOW Followup, George Kuchar, Kuchar Sales, P.O. Box 595, Carlinville, Ill. 62626 (ph 217 854-9838).

Rear steering wheel "kicks in" automatically on short turns.

FEATURES FULL TIME 4-WHEEL DRIVE, 4-WHEEL STEER, FRONT AND REAR PTO

Honda Unveils "Cadillac" Of Farm Utility Tractors

How about this -- an 11 hp utility tractor with full time 4-wheel drive, 4-wheel steering independently-operating pto shafts front and rear, and 3 pt. hitches both front and rear

All this and more is featured in the new Honda RT5000, the"Cadillac" of farm utility tractors. Powered by an 11 hp Honda engine (overhead valves), it carries a $4,995 price tag and boasts 8 speeds forward and 4 in reverse. On wide turns, only the front wheels turn. For short turns, rear wheel steering "kicks in" automatically when the steering wheel is turned beyond a preset point to enhance maneuverability in tight quarters. Other features include differential lock transmission, 11 in. ground clearance, seat belt and roll-over protection.

Attachments available include a disc harrow ($471); garden cultivator ($176); moldboard plow ($290); tiller ($1,101); snow thrower ($996); a quick hitch for mounting a snow thrower or dozer blade ($182), a mid-mount mower (46 in. cutting width), and a mid-mount snow thrower.

For more information, contact: FARM SHOW Followup, Honda Power Equipment, 100 W. Alondra Boulevard, Gardena, Calif. 90247 (ph 213 327-8280)

LIFTS OVER 3,000 LBS. AT FULL REACH

3-Pt. Hitch Boom Lift

"It's the handiest piece of equipment on our farm," says Bertle Spence, Moscow, Idaho about his 3-pt. boom lift that'll lift over 3,000 lbs. at a full reach of up to 20 ft.

"We use it to pull motors from combines, to load and unload spray, fertilizer and seed hoppers on trucks, to carry combine headers in and out of the shop, to put up rafters, and for many other chores. It goes on and off the tractor quickly and stands alone on its own legs," says Spence.

The boom has a cylinder on the vertical arm and one on the horizontal arm that extends it in and out. When fully extended to the rear, it reaches 12 ft. at a height of 10 ft. off the ground. When extended straight up, it reaches 20 ft. For heavy loads, support legs can be placed on the ground.

Spence has put together plans for the lift listing all materials needed along with detailed diagrams. Plans sell for $12.

Contact: FARM SHOW Followup, Bertle G. Spence, 3535 Spence Rd., Moscow, Idaho 83843 (ph 208 882-0750).

Build-it-yourself tractor mounted boom reaches 20 ft. high.

PROVIDES CONTINUOUS READING

Moisture Monitor For Hay Balers

New for all types of hay balers is a continuous moisture monitor that lets the operator know moisture content of every bale as it's made.

"This new sensing system is especially useful when beginning a baling session, and to monitor dew levels," says Dennis Stowell, of Parowan, Utah, inventor-manufacturer.

The sensor head mounts direct to your baler in the bale chamber and is attached with a cord to a standard Delmhorst or Valley hay moisture detector which you buy separately and which mounts in the cab of your tractor or self-propelled baler.

"Moisture content readings will vary, depending on whether the hay has been turned, two windrows raked together, or other operations, and depending on whether the sensor unit is located on the bottom of the bale chamber, on the side or on the top," explains Stowell. "A good average location is about half way up the side of the bale. You can place the sensor on one side of the chamber, or on the squeeze rail lip."

Cost of the sensor and 25 ft. of cord is $82.50. A Delmhorst or Valley tester with an analog needle dial sells for right at $140 ($185 for a digital readout model) and can be removed from the cab and used, with a probe, as a portable moisture tester for loose or baled hay.

For more information, including the availability of Delmhorst or Valley hay moisture testers, contact: FARM SHOW Followup, Moisture Technology Co., Dennis Stowell, president, Box 796, Parowan, Utah 84761 (ph 801 477-8143).

Sensor mounted in bale chamber connects via cable to standard Delmhorst or Valley tester that's mounted inside cab.