

**Barry Boggle, Hamilton, Ontario:** "The shear bolt on the coultter on our Deere 2700 plow would shear often when we set the coultter at a lower angle to cut cornstalks better. We solved the problem by cutting the coultter shank off the main frame and inserting a 1 by 6-in. steel gusset that lowered the coultter by 3 in. This lessened the angle, shortening travel of the spring. It works so well Deere personnel even came out from the factory to look at and measure our modification."

"One idea that has saved us money is making our own replacement sprockets. When a couple sprockets gave out on our

Claas combine, we quickly repaired them by cutting the worn sprockets down on our lathe to make hubs from them, and then welding on replacement sprockets bought at the local Tractor Supply Co. store. They fit fine and we avoided the cost of expensive parts from the manufacturer."

"One handy feature we set up in our shop was a way to find small parts such as keys, pins, auto bulbs, grease fittings, etc. We simply put the parts into some 30 glass mason jars which are lined up in a row on a long shelf that runs the length of our work bench just above our hanging tools. Now we can quickly find anything we need."

**John Tominal, Goetzville, Mich.:** "To seal small leaks in farm equipment, truck and auto tires, I use regular liquid radiator 'stop leak'. It works fine."

**Gerald Williams, Duncombe, Iowa:** "I have a Sukup auger in our bin and the spreader was always knocking the wires off the mercury switch. I solved the problem by making shields for it. I told the company about the problem but they're still making them the same way."

**Earl Davis, Dilworth, Minn.:** "I made a hitch adapter for the drawbar on my Ferguson TO-30 to keep the drawbar from turning when equipped with a trailer ball



hitch. It consists of a 1/4 by 2-in. flat iron bar that runs between the hitch arms. Two brackets between the add-on bar and the drawbar keep the drawbar from turning. Works good."

**D. Arthur Clares, Lancaster, Penn.:** "Here's a small idea that saves a lot of aggravation. When stacking 5-gal. buckets together, they sometimes seal so tightly that the vacuum created holds them together.

Then you have to use up a lot of energy getting them apart. What I do is tuck the wire handle inside the previous bucket. The handle keeps the buckets from sealing together, and they come apart easily. If there's a plastic tube on the handle, you have to slip it to the side."

**Richard Harder, Fremont, Ohio:** "I solved the problem with bean straw wrapping on the bats of the reel of the combine. I cut pieces of plastic tile lengthwise and slipped it over the bats then taped it on each end with heavy tape. Works well."

"For older hopper wagons that don't empty out completely, I coat the bottoms every 2 to 3 years with slip plate. It helps a lot."

**Alice & Robert Tupper, Canton, S. Dak.:** "A wax toilet bowl gasket is a good



source of soft wax for applying to wood screw threads. We put some of the wax in small metal or plastic boxes with flip top lids. It's easy to draw a screw thread through the wax to coat it before putting it into wood. Wax rings are soft and easy to cut up with a putty knife. You can buy them

## Money-Saving Repairs & Maintenance Shortcuts

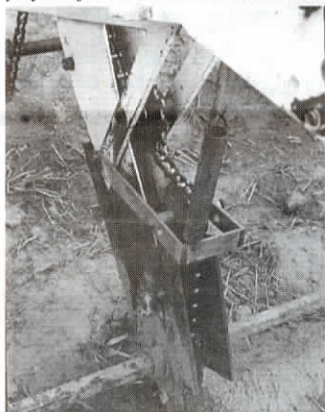
Have you come up with any unusual money saving repair methods for fixing farm equipment? What maintenance shortcuts have you found? Have you had any equipment recalled by the factory? Name a particularly tough mechanical problem you've had with a piece of farm equipment and how you solved it.

These are a few of the questions we asked randomly selected FARM SHOW readers. If you have a repair tip, maintenance shortcut, or other mechanical experience you'd like to share, send details to: FARM SHOW, P.O. Box 1029, Lakeville, Minn. 55044.

Mark Newhall, Editor

wherever plumbing supplies are sold."

**Claude Pierret, Pasco, Wash.:** "Anyone who runs chain-driven equipment knows how hard it is to keep chains at their proper adjustments. If chains become too



tight, they can stretch or break. If they're too loose, they can cause the chain to double up and get caught in the drive sprocket, stopping all action and possibly breaking an axle. This has happened to me on my Calkins Trash Master rod weeder.

"To prevent the problem I added a small frame on back of the weeder boot with a sprocket inside of it. A coil spring attaches to the frame, which moves up and down. The setup keeps even tension on the chain at all times. I had to add two inches of extra metal on each side of the lower half of the weeder boot, extending the depth of the boot to keep wet dirt from falling in on top of the weeder rod drive sprocket. The wet dirt would build up on the sprocket teeth, stopping all action."

"I've used these rod weeders on 2,200 acres since I installed the spring tighteners without any problems. As far as I know, there are no spring tighteners like these on the market anywhere. (ph 509 234-8484)."

**Denis Desjardins, Alcouve, Quebec:** "I built this rotating tool tray out of a Pontiac car rear end. I used 1/8-in. thick scrap metal to make seven 14-in. sq. trays and welded them to the axle. I used 5/16-in. thick steel

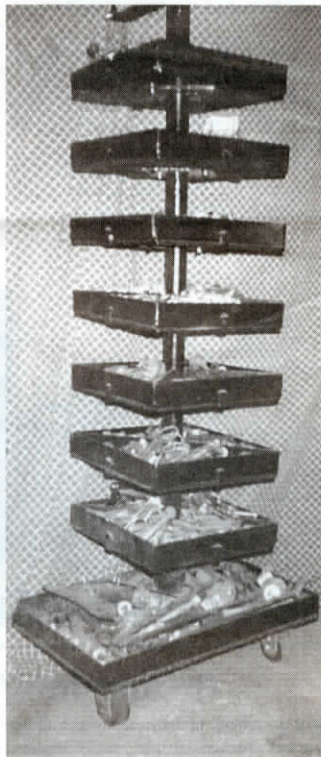


plate to make a larger bottom tray that bolts to the axle hub's five studs so that the axle housing and seven trays turn freely. I put a bracket at the top that screws to the wall to hold the entire unit stable. If I need to roll the trays to a different place in my shop I just push up on the bracket to release it."

"By sorting bolts and washers into separate trays I can almost always find what I need right away."

**John P. Beaver, Tarzana, Calif.:** "Here's a helpful hint for anyone who uses a wood lathe. Use an instant reversing 1/3 to 1/2 hp motor to run the lathe in both directions after you finish sanding. I can provide wiring directions."

### Case-IH Socket Tool

If you've got an older Case-IH drill or one of the company's early air seeders, you'll like this new socket wrench adapter designed specifically for your equipment.

"Bolts for disk coulters on older Case-IH drills and early air seeders had a kind of combination round/hex head," says Eugene Kuznia of Terog Manufacturing. "Besides slowing down repairs, you always ran the risk of your conventional socket wrench slipping off and banging up your hands."

The new socket adapter features an ellipse-shaped center with straight sides.

It's for a 1/2-in. sq. drive. It fits Case-IH 100, 6200, and 6300 model drills as well as the first two model years of Case-IH air seeders.

Sells for \$17.75. Available at Case-IH dealers.

For more information, contact: FARM SHOW Followup, Terog Manufacturing, 387 Atlantic Ave., Stephen, Minn. 56757 (ph 800 423-3918 or 218 478-3395; fax 3622).

