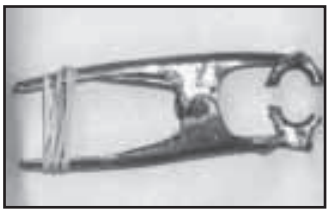
Keith Schole, Pickardville, Alberta: He likes the Allied 795 loader on his Deere 4450 tractor. The only problem is that since the loader frame was not made especially for that tractor, it blocks access to the tractor's oil reservior.

Schole had to remove the loader every time he wanted to change oil. So he decided to make a "reach funnel" to solve the problem.

He used two 1-liter oil bottles and an 18-in. piece of pipe. He cut the bottom off one bottle, turned it upside down, and taped it to the top of the pipe. Since the pipe was too big to fit into the tractor's oil reservoir, he cut off the small end of another jug and taped it to the bottom end of the tubing, making a spout that is just the right size.

Now he just uses the funnel to reach between the loader frame and the tractor, easily adding oil without any fuss.

M. Hochstetler, 174 Vogel Rd., Cumberland, Va. 23040 ph 804 492-4295: "I never used the depth stop on my drill press much because it took too long to adjust. To



solve the problem I found a nut that would fit the adjustment bolt and welded it between the jaws of a spring clamp. Then I sawed the nut in half. To adjust the depth stop I just lower the spindle on the drill press and slip the nut in place onto the adjusting bolt. It eliminates the need to run the nut up or down the adjusting bolt.

"I ran PVC air lines in my shop with several outlets. I hooked a portable air tank up to one of the outlets. Since the air tank had a female fitting on the hose with an automatic cut-off, I don' t lose pressure on the line whenever I unhook it. The portable tank is always full when I need it."

Pat Field, Box 93, Pendroy, Montana 59467 ph 406 469-2299: "We were breaking a lot of flywheel shear pins on our 1991 New Holland D1000 mid size square baler. The metric shear pin on it measured about 5/16 in. in diameter. A neighbor had a New Holland 1282 self-propelled baler that used 3/8-in. dia. shear pins. We decided the same shear pin would work on our baler, so we had a local machine shop drill the shear pin hole out to a 3/8-in. diameter. It worked. We made this modification several years ago and it has saved us a lot of downtime over the years."

Charles M. Hoyt, Medina, Ohio: "Several acquaintenances of mine have had problems with the front-mounted coil burning out on their Ford 9N tractors, probably as the result of switching the tractor's char ging system from 6 to 12 volts. I had the same problem on my 9N tractor. A new coil is quite expensive. To save money I gutted the old coil and epoxied a coil tower to it which I got from the distributor cap off a junked car .

"The tractor's distributor is mounted up front next to the fan blades where you can hardly see it or get to it, and the coil is clamped on top of it. I removed the guts from the burned-out coil, then epoxied the car coil to the housing so that it sticks out to the side. Then I ran a wire from the center of the car coil to the top of the distributor. The car coil mounts on the side of the engine where I can see it and where it's easy to work on."

Leon Allison, Doylestown, Ohio: "I've replaced numerous worn bearings with nylon bearings that I make myself. I buy solid round stock nylon stock from Universal Plastics in Akron, Ohio. The nylon can be purchased in various sizes - I usually buy it in 2 or 2 1/2-in. dia. chunks. I use my small lathe to cut it to the size I need. I always make sure I leave ample clearance, because if the nylon bearings are too tight they will get hot and swell and then seize up.

"I've made nylon bearings for my hay rake and manure spreader and for a 4-ft. dia. decorative water wheel in our yard. When I made a nylon bearing for my New Holland small square baler, I split it in half to get it around the shaft and then clamped it in place so that it won't slide out. It eliminated the need to take the entire shaft apart. Being able to make my own bearings saves a lot of money."

J.L. Vaughan, Hallsville, Texas: "I store some of my 3-pt. equipment on old wooden pallets. That makes it easier to manhandle equipment around for hookups, especially when I don't have any help."

Brian Barrett, Maple Ridge, B.C.: "I've found that a 50-50 mix of kerosene and automatic transmission fluid makes a great penetrating oil."

Shambaugh Farms, Oakley, Ill. ph 217 763-6156: "To heat our shop during the winter, we cut up scrap lumber and store it in any of a half dozen metal hoppers. The hoppers measure about 3 ft. square and are designed to be handled by a forklift. We bought them at an auction for about $25 apiece. The hoppers were originally used by manufacturing plants as parts containers.

"The scrap lumber we use comes from

FARM SHOW®

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 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 or E-mail us at: Editor@farmshow.com.

Mark Newhall, Editor

wood pallets which we get free from local seed companies. We cut the wood into 30-in. lengths. Whenever we need wood for the stove we just use the forklift to bring in a hopper full. The hoppers can be stacked on top of each other to save space. It eliminates the mess of having boards laying around everywhere and keeps the shop neat."

Len Corzine, Assumption, Ill.: "I built my own shop table and mounted it on caster wheels. It's made from 2-in. angle iron and

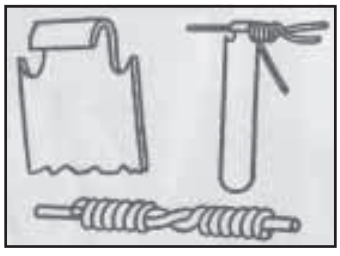
steel tubing and measures 3 ft. wide and 5 ft. long. I'm 6 ft. 3 in. tall so I made the unit higher than most commercial shop tables. It has a plywood top that's about waist high so I don't have to bend over. There's also a plywood shelf down below. The table really comes in handy for working on objects such as small engines, etc. I can roll the table close to the tools I need to use."

C.F. Marley, Nokomis, Ill.: "I bought this old golf club cart at a rummage sale for $3. It's ideal for carrying batteries and other clumsy items."

Roger Burgess, Modesto, Ill.: "I needed a standby generator in case of power failure. I had Lloyd Meffert of Hettick, Ill., build this one using the chassis of an old garden tractor as its power source. I started with an Ariens GT 12 tractor powered by a 12 hp engine. I

removed the rear deck and axles and created a hitch point to allow the unit to be towed around. On the former front end I welded the steering mechanism to make it trail straight. The generator was rigged to take its power from the front of the engine. There's an electric clutch on the engine pulley. I used a 5,000-watt generator. I rigged the electrical system to where a single plug-in can run the power for all my needs."

Ron Kesler, Backwoodsman Magazine: "This simple device comes in handy to repair wire fences. It makes a neat splice. It consists of a metal strip that's 1 in. wide and 1/8 in. thick. One end is cut narrow and is bent into a hook that's large enough to fit over the wire. At the sides of this, two notches are filed off.



"The other drawing shows the splicer in position on the wire. The splicer should be turned backward, as shown in the drawing, to make the splice. A pair of large pliers should be used to hold the two wires between the coils while turning the splicer.

Where To Buy Solid Rubber Tires

Tired of punctures in the tires on your garden tractor or bush hog mower? You might want to check out AEG Enterprises, Inc., Houston, Texas.

The company sells a variety of solid rubber tires, with or without wheels, for use on mowers, brush cutters, tillage equipment, planters, go karts and other machines where you want to replace pneumatic tires.

Tires are available to fit wheels from 6 to 9 in. in widths from 4 to 8 in.

Several wheel options are available, including bolt-together split 6-in. wheels, with or without hubs, and with a number of different bolt hole configurations.

If you're looking for lar ger tires, the company also sells several sizes of recapped aircraft tires for low speed uses. They also make cast or machined hubs in a range of sizes and specifications for various applications, as well as dust caps for hubs, turnbuckles,

AEG Enterprises sells a variety of solid rubber tires, with or without wheels., for use on mowers, brush cutters, tillage equipment, and other machines.

latches, hinges, bushings, bearings, hitch pins, flail blades, and more.

Contact: FARM SHOW Followup, AEG Enterprises, Inc., 14027 Memorial Drive, #231, Houston, Texas 77079-6895 (ph 713 490-5380; fax 713 490-5381; E-mail aegenterprises@vsnl.net).