

**Karl Oysmueller, Pink Mountain, B.C.:** "I made a tool for knocking tire beads off wheel rims when changing or patching tires. It's quite simple. A solid steel rod fits inside a larger pipe. At the bottom of the pipe, there's a short length of rod flattened to form a wedge. This wedge is free to move up and down about 1 1/2 in. on top of a spring that's held in place by two welded-on collars. The flattened end is pushed between the rim and the tire. Holding the pipe with one hand, I use the inside rod to hammer on the bottom piece which forces the bead off the rim. It usually takes just a few blows to knock the bead off. I've used it on everything from car tires to big truck tires."



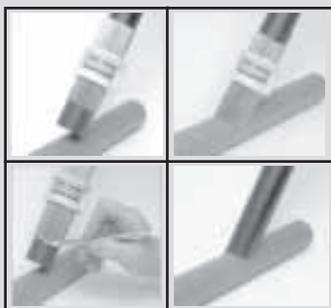
**Jackson Webb, Bethune, Colo.:** "The top of our Lincoln MIG welder was always cluttered with tools, gloves, helmets, and so forth, making it impossible to raise the side panels and get into the welder to change wire spools."



Also, whenever the welder was rolled across the shop floor the tools would vibrate off. To solve the problem I designed and built a metal tray that mounts on top of the welder. The tray holds the gloves, tools, etc., yet still allows me to raise the welder's side panels without interference. I also made places to hang the helmet and welder leads."

"The tray measures 12 by 18 in. with 4-in. sides. It's welded to a vertical length of 1-in. sq. tubing that bolts onto a bracket that's clamped to the front side of the welder. The tray mounts high enough above the welder that when the side panels are opened up they will clear it."

**Profler Inc., Box 12858, Mill Creek, Wash. 98082 ph 360 668-3291; fax 360 668-9533;** Welding pipes together at an angle is



an easier job with the company's new "PipeMaster". The pattern-making unit lets you quickly transfer the exact outline of the pipe joint and provides an exact fit for any angle. It's made up of a series of spring tempered stainless steel pins that mount inside an aluminum inner shell and a plastic housing.

You slip the unit over the pipe and push down on it until the pins adjust to fit the contour of the pipe. Then you pull the unit up a ways so you can mark the location of the pins on the pipe so you'll know where to cut it. You're now ready to weld the two pipes together. A wide variety of diameters are available to fit different pipes.

Prices start at \$37 plus S&H for a unit that fits 3/4-in. dia. tubing and goes up to \$700 for a unit that fits 12-in. dia. pipe.

**Neil Ohler, Stavely, Alberta:** "I recently put up a new shop building and decided to build it with an 11-ft. high vaulted ceiling, which allowed me to put in an 8-ft. door. The shop measures 24 by 32 ft. long. To put an 8-ft. high door in a building this size with a flat ceiling, I'd have needed at least 9-ft. high sidewalls and would have had to cut 1 ft. off 8-ft. sheets of plywood to get the 9-ft. height. I bought the shop package from a local building contractor. It didn't cost much more to build a shop with vaulted rafters than it would have to build it with a flat ceiling and 9-ft. sidewalls. I put up the building by myself."

**Jerome Miller, Waucoma, Iowa:** "If you have 5-gal. pails that are stuck together, don't throw them away. Instead, run water along the top of the stuck pail. The water will push the pails apart. Another idea: If you have a bar of soap that has dried out, don't throw it away. Use the soap on wood screws to make them start into the wood easier. It'll save a lot of wear and tear on your wrist."

**Jack Griffith, Arlington, Texas:** "I have a crew cab pickup equipped with a toolbox at the front of the bed. Unfortunately, the toolbox blocks my view of the gooseneck ball. I came up with a simple way to solve

**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

the problem that makes use of a triangular magnet and a 30-in. length of pipe. I place the magnet on the bed floor and use it to hold the pipe close to the ball. I back up until the pipe is next to the trailer tongue and presto, I'm lined up."

**Boyce Equipment & Parts Co., Inc., 226 West 20<sup>th</sup> St., Ogden, Utah 84401 (ph 801 393-0007; email: orders@boyceequipment.com; website: www.boyceequipment.com);** This company offers a complete inventory of military trucks, parts and equip-



ment. Engines, transmissions, axles, transfer cases, winches, etc. They stock a large selection of new and used tires and wheels including like-new 1400 by 20 Michelin XLs steel belt radial tires for \$250 and used Hummer 36 by 12.5 by 16.5 Goodyear Wranglers XT tires for \$75 plus \$25 each UPS. Also on hand are a variety of wheel rims and wheel parts for conversions or replacement. A catalog is available for \$5.



**Jeff's Bronco Graveyard, Box 227, S. Lyon, Mich. 48178 (ph 248 437-5060 or 248 486-1760; fax 248 437-9354; website: www.broncograveyard.com);** This is said to be the largest seller of classic Bronco parts and accessories in the U.S. Available are 1966 to 1996 Ford Bronco and truck parts includ-

ing front and rear disc brake conversions, 1966 to 1977 302/351 headers and swap kits, long travel suspension systems, sheet metal and weatherstripping, etc. A 300-page online catalog is available.

**New Tech International, Box 26198, Fraser, Mich. 48026 ph 800 434-9192; fax 586 758-6549; email: newt924@netscape.net; website: www.newtintl.com);** Their SealLube seal expander is said to stop any rubber oil seal

leaks in engines, transmissions, power steering and hydraulic systems. Problems it can solve include oil leaks of all kinds, engine wear, cracked blocks, leaky radiators, and transmission slip. It can also help with fuel efficiency and clogged fuel injectors and carb jets. The product is not designed to be used in brake systems. An 8-oz. bottle treats up to 10 quarts of oil. Small motors, pumps, gearboxes, or other applications where there is only a small volume of liquid, can usually be sealed with just a teaspoon or so, either added to the fluid or painted on the seals on the outside. Sells for \$14.95 plus \$3.85 S&H.

**Transfer Flow, Inc., 1444 Fortress St.,**



**Chico, Calif. 95973 ph 800 442-0056 or 530 893-5209; website: www.transferflow.com);** This company offers auxiliary fuel tank systems for pickups designed to transfer fuel automatically to the main tank. Its newest offering is a 70-gal. in-bed tank for diesel pickups. It comes pre-assembled and includes the fuel tank, auxiliary fuel pump, fuel lines, wire harness, mounting hardware, and computer module. The computer module will turn



## Bolt Bin Wall Uses Grain Cups

Gord Stein of Barrhead, Alberta, is a bit of a "neat freak" in his farm shop. He says keeping everything organized and easily accessible helps him get his work done faster and more easily. One of his best ideas was a "bolt bin wall," he created by bolting plastic grain leg cups to a wall.

Stein made a deal with a local feed processor to buy 270 cups for 25 cents each if he removed them from the belting, which they wanted back.

The biggest job, according to Stein, was having to clean out the chaff that had become lodged in the cups. He also ground off the edges of the more damaged cups.

He used the same smooth-headed screws that held the cups on the belting to fasten them to the wall.

To make it easy to reach all the bins on the 8 by 12-ft. wall, Stein built and installed a sliding ladder on a 10-ft. section of barn door track.

He says the project took him a week of evenings to complete and his total cost was under \$250.



**Gord Stein created this "bolt bin wall" by bolting plastic grain leg cups to a wall.**

Contact: FARM SHOW Followup, Gord Stein, R.R.3, Site 2, Box 9, Barrhead, Alberta, Canada T7N 1N4 (ph 780 674-4706).