

Eddie Kohler, Walbeck, Neb.: "Plastic 1-gal. bottles of Tide liquid detergent work great for pouring gas into small engines without spilling. The bottles have a big cap with a built-in funnel. The gas comes out in a narrow stream that's easy to control. Just be sure to thoroughly rinse out the bottles before using them."

"Another idea is to screw a push-pull cap from a plastic bottle of liquid dish washing soap onto a 1-qt. oil bottle. Lets you squeeze oil out in a thin stream that's easy to control. When you're done just push the button back down. There's no spilling and the bottle always stays clean. Works great for lubricating chains on machinery. I've found that Dawn soap bottle caps work the best."

Danny Shaffer, Rt. 2, Box 455, Perkins, Okla. 74059 ph 405 372-7351: "My Clip Key makes it easy to attach or remove T-post clips. It's used to bend either side of the clip under to attach or unbend them for removal. I came up with the idea because using a screwdriver, pliers, or other tool made my wrist bend an awful lot and caused a dull ache to set in. I thought there had to be a better way. Using the Clip Key I don't have to bend my wrist at all. A single clip key sells for \$7.50; two for \$14.50; three for \$21; four for \$27, and five for \$32.50. All prices include S&H."

Don McColl, Neidpath, Sask.: "I use my shop-built boring bar to re-cut worn hitch pin holes and make them round again. For example, I've used it to bore out a V-ripper hitch that hooks up to my Caterpillar tractor. The 2-in. dia. holes were worn out oblong to almost 2 7/16 in. diameter so I cut them perfectly round to a 2 1/2 in. diameter. The system uses an old blacksmith shop drill, elec-

tric motor, and lathe cutting tool. The bar is a 1 1/2-in. dia. steel shaft with a regular carbide lathe tool (5/16 in. sq., about 1 1/4 in. long) driven by the drill. The drill is belted down to run at 30 revolutions per minute. In one photo you can see my left hand feeding the cutting tool into the bore. The other photo shows the hinge ripper with the two 3-in. wide pin bosses. You can see the two self-aligning bearings and 3-hole pillow blocks. They have a slip fit over the bar allowing it to move freely. The two bottom pillow block holes are bolted to an angle iron which is welded to the ripper hitch. The top hole takes a bolt with head welded to the hitch. The bolt allows for some adjustment for the bearing."

"The drill is bolted to two angle irons which in turn are bolted to the ripper hitch. Everything is bolted to my homemade engine stand."

"Machine shops wanted \$600 to do this job but I thought if I could find a way to hold and adjust the cutting tool in the bar the rest would be easy."

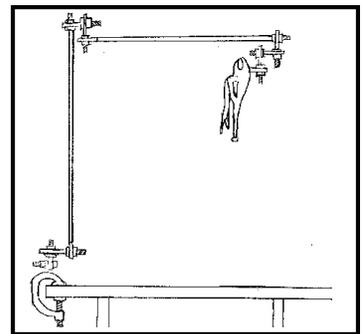
Larry Wiebe, Whitewater, Kan.: "I had problems with the radiator overheating in my 1977 Chevrolet pickup equipped with a 454 cu. in. gas engine. The problem was that hot water from the heater core was being returned through the heater hose to the cool water side of the radiator tank. I solved the problem by cutting the hose and installing a shut-off valve on the hose."

Wilbur Tiahr, 45808 313th St., Meckling, S. Dak. 57044 ph 605 624-2458:

"I made an adjustable welding clamp that works to hold a variety of objects together. A vice grip pliers holds one object in place like a third hand. It consists of a heavy duty 3 or 4-in. C clamp; two 3/8-in. dia., 18-in. long steel rods; eight 3/8 by 1-in. machine bolts with self-locking burrs; and eight pieces of



tric motor, and lathe cutting tool. The bar is a 1 1/2-in. dia. steel shaft with a regular carbide



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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 go to our website at www.FARMSHOW.com

Mark Newhall, Editor

1-in. sq., 1/4-in. thick metal. The C clamp attaches to the welding table and is used to support the rods, which rotate around the bolts and can be adjusted at any angle - up, down, sideways, or backward. To move the object you simply grab the vice-grip.

"I'm willing to build the welding clamp for \$35 plus the price of a pair of vice grip pliers (postpaid). You can choose whatever size vice-grips you prefer."

Robert Walton, Rosebush, Mich.: "I mount a 55-gal. rinse tank (an old horse feeder) on front of my tractor when planting. It allows me to rinse out the sprayer pump and nozzles when banding herbicides. A clear plastic line runs from the tank back to the sprayer pump. In the past I've found that if my planter breaks down and I have to shut off the saddle tanks, the pump and nozzles often plug up. By opening a valve on the rinse tank I can flush everything out. The same tank



red.

"The stand mounts on wheels so it can be easily rolled around and is just the right height for working on repair projects. It also comes in handy when I have to unload something heavy out of my pickup. I just roll the stand up to the back of the pickup and let the tail-gate down, then slide the object out onto the stand and roll it into my shop."

Roger and Bruce Elliott, Montrose, Ill.: "To get more light in our shop exactly where we want it, we hung garage door tracks above our lathe and milling machines. We welded two pieces of track together end to end to make a 16-ft. long track. Then we attached 6-in. rods - bent at a 90 degree angle - to the door rollers. Then we mounted hooks on the rods and attached a 4-ft. long shop light. We also welded a piece of strap iron between the



can be used for emergency rinsing in the field in case of a spill. It also makes it easier to pre-rinse the saddle tanks right in the field."

John Gipson, Gilmer, Texas: "I turned an old 5-ft. long casket stand, which I got free from a local funeral home, into a nifty shop work bench. The funeral home had used the casket stand for chapel funerals. The stand was about 40 to 45 years old and was coming apart. I took it to my shop and repaired it. I wrapped 1-in. angle iron around the sides and welded a piece of 3/16-in. thick sheet metal to the angle iron in order to reinforce the top of the stand. I also painted the stand



rollers to keep them in line. The light simply rolls back and forth on the track.

"We also made a 54-compartment, 6 1/2-ft. high Lazy Susan for storing bolts and screws. It mounts on caster wheels, allowing us to roll it anywhere in our shop. It mounts

"Spring Cushion" Seats For Older Deere Tractors

If you've got an older model Deere tractor with a "hard as a rock" seat, you'll be interested in the spring cushion seats sold by Leland Schwandt of Wilmot, S. Dak.

Schwandt makes spring cushion seats for all Deere tractor models made from 1947 to 1960. The seats have six rows of zig zag springs inside a steel frame equipped with heavy duty metal corners. "In 1947 Deere started making its tractors with spring cushion seats, with the battery located under the seat," says Schwandt. "However, the spring cushion seats were expensive so they switched to the foam cushion seats which weren't very comfortable. When the driver went over a bump and hit the bottom of the seat, it was like hitting a board."

"My spring cushion seats are hand made just like the originals, right down to the shiny rivets on the backrest," says Schwandt. "I sell the entire seat or I can recover the backrests and spring cushion seats. But usually the springs are broke or rusty and pitted and could break later so you'd be wasting your money. I also make 3-in. thick foam cushion seats for newer



Deere tractor models."

The spring cushion seats sell for \$84; the foam cushion seats for \$32. Back rests equipped with shiny rivets sell for \$44.

Contact: FARM SHOW Followup, Leland Schwandt, 14215 468th Ave., Wilmot, S. Dak. 57279 (ph 605 432-6192).