

**Byrl Cogburn, De Leon, Texas:** "My Deere 435 round baler has dual twine tie arms which allow it to wrap two lines of twine at the same time. It uses a pair of twine 'brakes' which hold tension on the baler twine as it's being wrapped on the bale. There are two of these brakes, one on each side of the baler. These brakes get grooves worn in them over time and don't hold the proper tension on the twine. I figured out that I could switch the brakes around to their opposite sides and they would pull the twine in a different place on the brake, avoiding the grooved areas. I was right. They work like new now and it didn't cost me a thing."

**John Beechy, Topeka, Indiana:** "I like my White 5400 air planter, but I had to replace one of the four 12-volt motors soon after I got it. Later I noticed the motors slowing down. It seemed to me there should be a way to lubricate them. I drilled small holes - using 1/16 and 3/32 in. bits - in each of them in the housing over the shaft and also where the squirrel cage fans pivot. The holes allow me to oil the shafts occasionally with light oil. I usually oil them when I fill the fertilizer boxes. This has solved the problems with the motors slowing down or freezing up."

**Bob Hudspeth, Era, Texas:** "When my gas-powered weed trimmer wouldn't start one day, I started a normal tune-up process. I put in a new spark plug, cleaned the air filter, and cleaned the carburetor. It still didn't start so I thought it might be a bad coil. I put a new one in. No good. I removed it and ground the mating surface down to give it a bit more clearance. No good. I checked the carburetor again. As I was putting it back together, I noticed a tan-colored spot about 3/8-in. across on what turned out to be the muffler. Mystified, I probed it with a small screwdriver. To my amazement, I discovered that a wasp had laid an egg in a dab of 'mud' in the exhaust port on the muffler. With the muffler plugged, no air or fuel could flow to the combustion chamber in order to fire the engine. I thoroughly cleaned the muffler and it ran like a top."

"Next time one of my little gas engines won't start, I guess you know what I'll check first."

**Frank Barber, Decaturville, Tenn.:** "I designed this line-up clamp out of necessity since I am a 30-year member of a Pipefitter's union in Chicago. Having to make pipe welds



in very confined spaces, we needed a small lightweight clamp. It consists of a pair of locking chain pliers with four movable alignment dogs.

"It will line up round, square, rectangular, hexagon, and other pipe of different diameters. It weighs under 4 lbs. and will work on pipe up to 5 1/2 in. dia. You can go larger by adding more chain and dogs. The extra chain comes in 18-in. lengths.

"We're selling the tool direct through a company we started, Piddler Tool Co. It's patent pending and sells for \$135 plus \$7.50 S&H. An extra length of chain is \$10. Each alignment dog is \$25 when purchased separately."

Contact: FARM SHOW Followup, Piddler Tool Co., P.O. Box 295, Decaturville, Tenn. 38329 (ph 866 852-4818 or 815 942-6324).

**Dan Krenz, Cullman, Ala.:** "Here's a good use I found for JB Weld. I had a carburetor needle valve with worn-out threads, which caused the screws to wobble. I lightly vaselined the needle shank threads, then cleaned the carburetor threads well and put a small amount of JB Weld into the outer edge of the entry hole and screwed the needle in all the way. Then I built up the area around the screw with more JB Weld. After setting, the JB Weld held it nice and tight but the

**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@famshow.com.*

**Mark Newhall, Editor**

vaseline kept the needle from locking in place. Worked great.

"I have a lot of small engines to keep tuned and I came up with an idea that saves a lot of neck bending and frustration. When I set the idler and gas needle valves, I always leave the set screw so the slot in the screw head is straight up and down. It sure makes a difference when I have to readjust since I know just how to insert the screw driver blade without searching for the slot. And the 1/4 turn from any position to straight up and down doesn't make any significant difference in how the engine runs."

**Marvin Finger, Rozel, Kan.:** "When putting new rings on a motor that has removable cylinder blocks, I use two large worm screw clamps. I fasten them together and squeeze the rings in as I lower the cylinder block down. Two sets of clamps make it go faster. Just repeat the process for each piston as there are two pistons per block. This idea saves you from having to take the bottom pan gasket off, and lots of labor."

**Thomas Empfield, Indiana, Penn.:** "Our battery charger is very easy to drag all over



the farm since we mounted it on an old golf bag cart. Golf carts are designed to roll easily over uneven ground, which makes them perfect for farm use."

**Edward Binsfeld, Little Chute, Wis.:** "Before putting nuts and bolts in a coffee can or jar, put a shop towel in and then put the nuts and bolts on top of it. Then you can just pull the towel out with the nuts on it and set

on a flat surface. When you're done, you pick up the towel and put it back in the can. No mess and it's quick."

**David Gaskell, Horton, Kan.:** "I developed this adjustable roller stand for use in moving material into and out of a power saw. Multiple roller stands can be used as



needed, depending on what you're cutting. I made it from an old trailer jack. I first cut it down to the right length, and then welded it to a used 20-in. truck rim. A 16-in. roller attaches to the top. With a turn of the crank, a full load of materials can be adjusted to the desired height. Very handy."



**Ernest Marolf, Muscatine, Iowa:** "I made a cargo carrier for my tractor that fits over the rear axle. It can be used to carry a tool box or bag of seed. There's a 2 by 6 at the bottom with a pair of L-shaped brackets that hold it to the axle. A platform made of two 2 by 4's rests on top. A couple of upright brackets hold a 1 by 12 up just inside the tire. I use rubber tie downs to hold cargo in place."

**Lewis Leon Dick, Mt. Hope, Kan.:** "I've always had a problem with straw going

## New Cleaner Pulls Oil Stains Out Of Concrete

You can clean oil, grease, antifreeze, and other messy fluids from concrete with Pour-N-Restore, from Edgewater Industries, Spring Lake Michigan.

The product will also clean greasy stains from wood, tile, grout, paving blocks, and fiberglass. In most cases, the residues are completely removed, so the surface will hold paint or adhesives.

The company says Pour-N-Restore is a biodegradable citrus-based formula that combines the properties of a liquid degreaser with a dry absorbent. To use, clean up loose debris and scrape off any buildup. Then pour the liquid product over the stain so it extends an inch or so beyond the edge. Then just leave it for at least three hours and be sure it's dry before proceeding. Cooler temperatures or low ventilation may extend drying times to 24 hours or more. Scrubbing is not recommended.

When Pour-N-Restore is completely dry, you sweep up the remaining powder. Tougher, deeper stains may take two applications or more.

A quart of Pour-N-Restore, enough to clean



**Pour-N-Restore combines the properties of a liquid degreaser with a dry absorbent.**

a 3-ft. diameter stain, sells for \$9.95. A gallon is \$29.95.

Pour-N-Restore is finding its way into automotive and building supply stores. If you can't find it locally, contact Edgewater Industries for a dealer, or order directly from their Website.

Contact: FARM SHOW Followup, Pour-N-Restore, Edgewater Industries, 18570 Trimble Ct., Spring Lake, Mich. 49456 (ph toll-free 877 609-3343 or 616 846-7939; fax 616 846-1473; Website: www.pour-n-restore.com).