bushing threads, after the necessary openings are located. The bushings are welded, brazed, or soldered to the tank. The original valve serves as a fuel connection or oil drain. Fuel tanks should have an in-line filter because of possible rust. The photo shows a tank with fittings in place ready for brazing."

Robert Hittle, Liberal, Kansas: "I came up with a fold-up bracket that lets me use my portable chop saw with a saw horse. The chop

saw mounts on a hinged metal rack that's welded to the top part of the saw horse. Both the rack and chop saw swing down out of the way when not in use. The sawhorse has an electric outlet on it with an extension cord wrapped around it to provide electricity. To use the chop saw I just unroll the cord and plug it into the chop saw.

"The same sawhorse has a pipe vise mounted at one end of it."

Ken Scharabok, Waverly, Tenn.: "Placing a metal 5-gal. bucket behind a chop saw helps keep the shop cleaner by catching debris from the blade.

"Adding a tray to the front of a bandsaw helps to keep items used there handy.

"I do most of my welding at my bench vise. I added a lug to one of the vise's hold-down bolts to securely attach a ground."

Don Catron, Bridgeport, Neb.: Don built a low-cost, portable tool rack that measures 6 ft. high and rides on four small caster wheels. A 20-in., 4-WD wheel hub serves as the base. Wheel bearings are welded into the hub and allow it to rotate. A 1-in. dia. shaft welds to the middle of the hub and is separated at various lengths by 5-in. long, 1 1/4-in. dia. spacers, to accommodate tools of varied length. A series of 12-in. dia. metal discs off a Krause disk, with its original one-way bearing still in it, fits upside down over the top of each spacer. The discs still have their original one-way bearings which allows each disc to rotate individually. A series of 3/4-in. dia. metal rods are welded to the edges of each disc 2 to 3 in. apart and are used to hang the tools.

A big nut on top of the shaft keeps everything solid.

"I use it to store everything from box end wrenches to pipe wrenches and crescent wrenches," says Catron. "The 3/4-in. dia. metal rods are the broken teeth off old side delivery rakes.

He used the same idea to build bolt racks, except no rods are welded to the discs. One-way bearings were welded into the wheel hub and shaft. The discs are welded to the shaft and spaced 5 1/2 in. apart. A nut was welded on 1 1/4-in. well pipe, above and below each disc blade to hold it in place. The entire rack, as well as the individual discs, rotates freely.

"This idea makes it easy to find the right parts," says Catron. "I've made eight of these bolt racks, and they're always full because I never throw a bolt away. My neighbors have often come to me for special-sized bolts that they can't find anywhere else."

Cordless Hand-Held Bandsaw

By Mark Newhall, Editor & Publisher

I got a call recently from Scott McIntosh, Wixom, Mich., who wanted to tell me about the world's first cordless bandsaw, which he invented and patented. Scott's the ultimate do-it-yourselfer so he also decided to manufacture and market his new battery-powered saw. That means he's now in competition with the "big boy" tool companies.

Scott says response from users has been fantastic and he asked if he could send us one of his new saws so we could test it out.

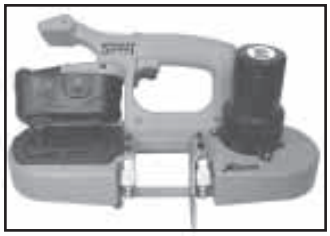
After it arrived, I took it over to my friend, Paul Tierney, a carpenter-turned-artisan who does a lot of metalwork. Paul's a FARM SHOW-type guy who can build just about anything. I knew he'd give the new saw a good workout. (You can see some of Paul's work at www.susanthesteelchicken.com.)

The cordless saw is light enough to hold in one hand. It's primary market is probably pipe fitters and others in the trades who work up on scaffolds and have to continually climb up and down to cut pipe. But McIntosh points out that it will cut all kinds of metal and anything else you would normally cut with a hacksaw, reciprocating saw, or a stationary bandsaw.

The saw's 1/2-in. bandsaw blade will cut any pipe or material up to 2 1/2 in. thick. It weighs 8 lbs. and is just 15 in. long. It's driven by a 21,000 rpm Johnson electric motor that gets power from an 18-volt battery. Comes with a 1-hr. quick charger. The blade can be changed in seconds.

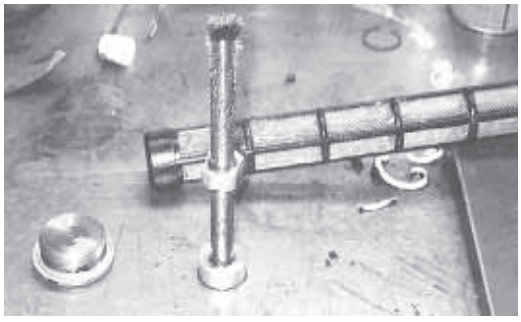
After several days cutting metal rod, straps and other assorted pieces, here's what Paul had to say about the saw, which sells for $349. "It's well-built, small and lightweight. I used another portable bandsaw - not cordless - a few years ago that weighed about twice as much and didn't work nearly as well as this one. I normally use a 4-in. grinder to cut through this type of material but this was much quieter and doesn't throw sparks like a grinder wheel. The battery has good life and it comes with a great case. I was very impressed with how fast and easy it cuts. I can see that it would be especially handy for pipe fitters and anyone else with a lot of pipe to cut. Makes clean, square cuts."

Bandsaw is 15 in. long, weighs 8 lbs. and is light enough to hold in one hand.



The only complaint Paul had about the saw is that he didn't like the on-off safety switch. But he admits he doesn't really like any safety switches on tools. We asked McIntosh about it and he said uses the same switch on his bandsaw as what's used on Dewalt power tools.

Contact: FARM SHOW Followup, Scott McIntosh, Stout Tool Corp., 29233 Haas Rd., Suite A, Wixom, Mich. 48393 (ph 877 337-8688 or 248-767-0780; email: scottmcintosh@stouttool.com; website: www.stouttool.com).



Magnet fits inside tractor's original cylinder-shaped transmission oil filter and can be removed and cleaned when changing oil.

Tractor Magnet Keeps Fluids Clean

"Our new transmission pickup magnet keeps metal shavings out of your tractor's hydraulic system to prolong the tractor's life. It fits all Deere 10, 20, 30, 40, and 50 series tractors," says Dan Steiner, Steiner Tractor Parts, Lennon, Mich.

The magnet is designed to fit inside the tractor's original cylinder-shaped transmission oil filter.

"It's an insurance policy against high maintenance costs and can save thousands of dollars on repairs," says Steiner. "Some older Deere tractor models have one reservoir and filter for both the hydraulic and transmission oil while others have separate reservoirs and filters because some metal shavings are so fine that they can go right through the filter.

The magnet can be removed and cleaned every time you change the filter."

Sells for $69.95 plus S&H.

Contact: FARM SHOW Followup, Steiner Tractor Parts, Inc., PO. Box 449, Lennon, Mich. 48449 (ph 800 234-3280 or 810 621-3000; email: sales@steinertractorparts.com; website: www.steinertractor.com).