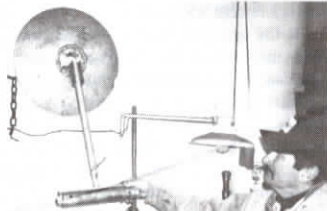


below the floor. We installed the floor sockets when we poured the floor. We just stuck the rerods into the ground at the bottom of the hole to hold the assembly in place while pouring the concrete."

Richard Cox, Franklin, Ill.: He made this simple "fold flat" shop stand for miscellaneous jobs in the shop. It has a disc blade for a base. An angle iron bracket



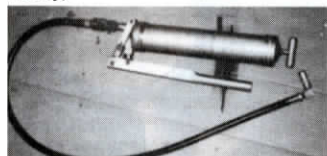
welds to the base of an adjustable length riser post. A pin locks it to the base in an upright position. Pulling the pin lets it fold up flat for hanging on the wall. Height of the roller on top can be adjusted by telescoping out the post. (C.F. Marley)

Tom Cole, Windsor, Ill.: Cole used "bowling alley construction" to put together the top of his workbench. He put 2 by 4's on edge and nailed them together



to make one solid top that measures 3 by 20 ft. It makes for a solid and heavy top that he says should last as long as he needs it.

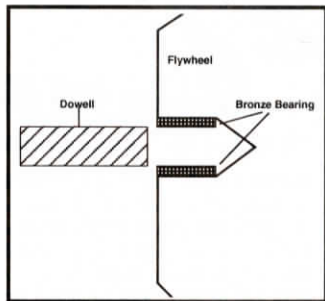
Cole also made a "bubble bath" parts washer using his shop air compressor. The washer is filled with cleaning fluid. He sets parts to be cleaned on a grill submerged in the fluid. There's a pipe below the grill with small holes in it that connects up to the air compressor. When he turns on the air valve, air bubbles out of the pipe, agitating the fluid to clean the parts. (C.F. Marley)



Lyall Baker, Abbotsford, B.C.: "Here's how I get at hard-to-reach grease fittings. I picked up a surplus high-pressure hose and used a spare air hose coupling and bushings on one end and a brass

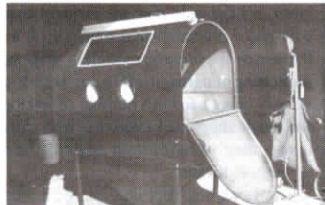
elbow on the other. It cost less than \$10 and I've used it for more than 11 years now with no trouble. I never have problems reaching fittings."

Fulton Oakes, Jr., Bowdoingham, Maine: "I once had to remove a bronze bearing which was pressed into a blind hole. The solution I came up with was to



pack the hole with grease and then to compress the grease with a wood dowel about the same diameter as the journal shaft that had had been in the hole. Tapping on the dowel caused the bearing to creep out of the hole without any dents or damage."

Michael Gilbertz, White Lake, S.Dak.: "My son and I made this sandblast cabinet to clean up old car parts, or any-



thing else that needs dirt or rust removed. We made it from an old fuel tank. We cut an opening in top and made a 1-in. angle iron frame that we welded on and then fitted with a pane of glass. We then set a 4-ft. ship light on the glass to light the interior of the cabinet.

"The side window was also fitted into an angle iron frame. We put plastic edging on the glass and hold it in place with four clips. We had to make it easy to remove because the glass gets chipped and needs to be replaced periodically.

"We made the glove openings by welding flat iron circles to the inside of the tank. The gloves are held to the circles with large hose clamps. We got the long gloves from a local auto parts store.

"To make the large door on the end, we welded a piece of 1-in. sq. tubing just inside the tank for the door to close against.

"At the bottom of the tank, we cut out an 8-in. wide strip along the full length of the bottom of the tank and made a narrow funnel out of sheet metal with a sliding door at the bottom to remove the sand. An expanded metal floor was put in about 12 in. from the bottom of the tank to set objects on to be cleaned.

"A suction-type gun is used to remove the grit. A 2-in. plastic pipe with a slot cut along the pipe was put just above the metal floor and our shop vac was hooked to it to remove dust.

"One problem we have is with the sand getting damp from humidity. We solved this by putting a hairdryer with a hose under the sand and putting a little heat on. It works to keep the sand dry."

Nick Hryhoriw, Hamilton, Ont.: "The life of sweeps and plow shares can be greatly increased by welding a bead of alloy steel to the back side of the sweep or building up the point and edge of plow

Can You Use These New Tools?

"Handy Boy" Pliers

"It's a quick fix, keep-on-going tool that you can carry in a hip pocket," says Heartland Specialties, manufacturer of the "Handy Boy" combo tool that's a pliers (with wire cutters), 6-in. adjustable wrench, and screwdriver all wrapped up in one.

Manufactured in the U.S., it features specially molded handles for a better grip.



Sells for \$29.95, including postage.

Contact: FARM SHOW Followup, Heartland Specialties, P.O. Box 101, Devils Lake, N.Dak. 58301.

Air-Powered Hammer

You've never seen anything like this air-powered "palm nailer" that drives any size nail almost instantly with no trigger to pull and no danger of accidentally shooting a nail through the air, as with a commercial nail gun.

The Danair air hammer runs on just 80 to 100 psi to drive nails from 3 penny to 14-in. spikes. It applies over 1,000 rapid hammer blows per minute, or you can adjust it to apply a single light hammer tap. You simply insert a nail into the magnetic, recessed end and touch it to the board. The upward pressure of the nail triggers the hammer, driving the nail almost instantly.

Different hammer ends are available for different size nails or jobs, including plastic ends for body work or similar jobs, rivet setters, roll and spring pin drivers, and piercing punchers. Sells for \$159. Other models available for special uses.



Contact: FARM SHOW Followup, Danair Inc., 1150 East Acequia St., P.O. Box 3898, Visalia, Calif. 93278 (ph 209 734-1961; fax 209 734-1086).

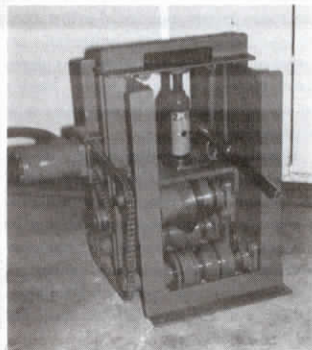
Hydraulic Metal Roller

"We needed a machine that would roll a variety of metals, including round and square tubing, flat iron, and angle iron. We couldn't find what we needed so we came up with our own design," says Wayne Hagen, who worked with his partner, Robert Grauman, to design a new-style metal roller.

"I've used it to roll tubing for round bale feeders, covered wagons, packer wheel recaps, and many other jobs," says Hagen, whose home-built 4-ft. metal brake and shear was previously featured in FARM SHOW.

The new hydraulic-powered roller is chain-driven by an orbit motor. A simple hand-cranked jack applies down pressure to the rollers. There are different tracks on the rollers for different metals. It'll handle 1/8-in. wall tubing up to 1 in. dia., flat iron 1 in. by 3/8-in. or smaller (flat or on edge), and angle iron up to 1 in.

"We designed it on a computer CAD system, refining it in the computer first before building it. It does everything we



expected," says Hagen, who makes plans available for a fee for the roller and also for his brake/shear machine. He has also designed a punch and bar shear.

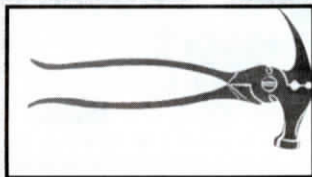
"These machines have all been great additions to my farm shop," he adds.

Contact: FARM SHOW Followup, Wayne Hagen, Box 215, Lake Alma, Sask. SOC 0M0 Canada (ph 306 447-4721).

Pliers & Hammer Combo

"We believe it's the finest fence tool ever made," say Russ Fike and Don English, inventors and manufacturers of "Plammers", a pliers and hammer combo that'll "fit right into the back pocket of any farmer or rancher".

When the handles are held closed, the head of the tool is closed and looks pretty much like any clawed hammer. When you open up the handles, a gripper set of teeth open up in the middle of the head - great for pulling staples - and wire-cutting blades open up under the head of the hammer. There's another set of gripper teeth between the handles, below the pivot point.



Fike and English have a patent pending on the new tool. Sells for \$45 including S & H.

Contact: FARM SHOW Followup, Plammers Plus, 31946 Road 600, P.O. Box 65, Raymond, Calif. 93653 (ph 209 689-3533; fax 209 689-3211).

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