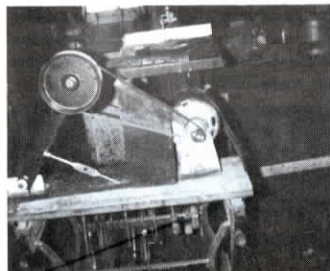


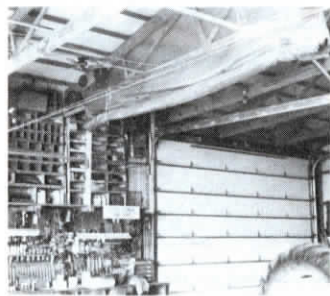
ter way to do it. File the fitting flush with the body of the carburetor, and then heat the fitting to allow the heat to soak completely into the fitting. Then place an ordinary wax birthday candle on the edge of the fitting, allowing the wax to penetrate the threads. When you're doing this, it won't look like much is happening, but it is. It only takes 1/4 to 3/8-in. of the candle. Then I shut the torch off and put the Easy-Out tool back on the fitting and put a wrench on it. To my surprise, it was so loose I could have removed it with my fingers. Apparently, the wax lubricates the threads regardless of the clearance. It just melts and follows the threads down. I know it sounds crazy but I've tried it numerous times, always with the same successful results. It's as close to a miracle as I've ever seen in my shop. Just try it. You'll be amazed."

Howard P. Colby, Frankfort, Ind.: "Here's an easy way to make a portable belt sander that comes in handy for all sorts of jobs around the farm. Mount a 1/6 hp. (750



rpm) electric motor on one end of a 28-in. long 1 by 6-in. board. Fit the motor with a 1/2-in. dia. pulley that's 1 1/2-in. wide. This pulley is the drive for the sanding belt. A 1 1/2-in. wide, 6-in. dia. idler pulley - taken from an old combine - is positioned 22 in. from the motor on an 18-in. long piece of 1/2 by 2-in. angle iron. The idler pulley pivots back and forth on a piece of angle iron bolted to the board. A 5-in. long turnbuckle moves the idler pulley in and out as needed to tighten the 42-in. long, 1-in. wide sanding belt. A short piece of 1 by 6 board runs up from the base to the top of the belt. It's cut off at the same angle as the belt and has a 1 by 2-in. board nailed to it to act as a slide under the top working surface of the belt. You can get coarse or fine sanding belts at Sears to fit it. You can take this sander anywhere you've got 110-volt power."

Cletus Clement, St. Anne, Ill.: Cletus Clement and sons save heating costs and reduce drafts in their farm shop by using



roll-up curtains made out of low-cost blue tarps. It takes three curtains to stretch across the shop. All three are controlled by way of ropes that run off to one side of the shop. Lengths of pipe hold the curtains down. Rope goes up the back, then under the curtain rod at bottom, then up to pulleys on the other side. When the rope is pulled on each curtain, they roll up neatly

to the rafters.

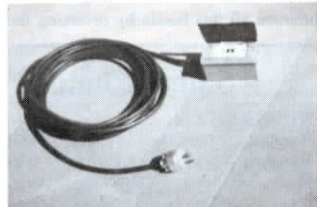
Chuck Hodel, Eureka, Ill.: "Our Deere 7720 Titan kept throwing off chopper knives and mounting brackets. All-Tran in Terre Haute, Indiana, sold me a new-style balanced rotor that eliminated the problems.

"Knowing which hydraulic hoses to plug in where is a problem. I keep a roll of red plastic tape in the tractor toolbox and put a piece of red tape on the right hand side hose (red for right).

"One handy feature I built into my farm shop was a pit in the floor. It's 5 ft. deep, 3 ft. wide, and 15 ft. long. It's covered by 2 by 8's. It's very handy for many repairs. I found out I needed a sump pump so I added it later."

R.E. Charlton, Jr., Dillwyn, Virg.: "To keep temporary tractor drivers from overheating the engines, connect a length of old air compressor hose to the radiator overflow pipe and run it back up the steering column. When they see water come out, they stop. It may prevent a serious breakdown."

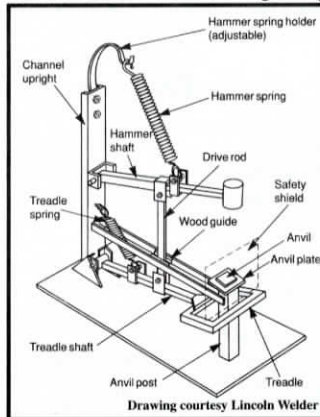
Bill Short, Hamilton, Mo.: "I've started using ground fault circuit interrupter



(GFCI) extension cords to meet new OSHA electrical requirements in effect since July, 1994. They provide safety between earth ground and a hot power source for use with grounded type of outlets when running drills, saws, and other power tools.

"I use petroleum jelly to lubricate screw-in type lightbulbs and fuses. Allows tighter electrical connections and also easier removal with breakage."

Albert A. Cannella, Cookeville, Tenn.: "As a blacksmith, I forge scrap



metal into a wide variety of items unavailable commercially - and needed quickly. To help with my forging operation, I made this treadle hammer from scrap metal. The cost was under \$100. The safety shield is made from perforated sheet metal. Steel plate, 3 by 5-ft. and 1/4-in. thick, serves as the base. The hammer is a 30-lb. sledge."

Tom Combs, Millwood, West Virginia: "I had a Ford 501 sicklebar mower that had problems with hay winding around the pto shaft. To solve the problem, I bolted a 1 by 2-ft. piece of plywood to the drawbar to act as a shield. Worked good."

Continued on next page

High-Temp Sealant Fills Holes In Exhausts

Seal cracks, pin holes and pits in manifolds and other exhaust system components with this new high temperature compound.

Pyro Putty 2400 is a ceramic and metal-filled paste that bonds to steel and stainless steel. It resists temperatures to 2000 degrees F and can be used to seal cracks or holes up to 1/2 in. across. Can be machined after curing. A second formulation is available for cast iron.

Easy-to-use kit sells for \$24.95. Also available in pint, quart and gallon containers.

Contact: FARM SHOW Followup,



Arreco Products Inc., P.O. Box 429, Ossining, New York 10562 (ph 914 762-0685; fax 1663).

Deere Operator, Repair Manuals Available

If you've ever lost the operator's manual to a piece of Deere equipment - or bought a used machine without a manual - and wondered where you could get another one, maybe you never thought of the most obvious source. Deere & Company itself.

Deere has thousands of operator manuals, technical service manuals and parts catalogs available at reasonable prices. Just write John Deere Distribution Center, P.O. Box 186, Moline, Ill. 61266 or call toll-free 800 522-7448.

Gas Engine-Driven Air Compressor

When the air compressor gave out on Mike Schmidt's small electric-powered utility air compressor, the Hobart, Okla., farmer decided to save money and replace the compressor with an automotive air conditioning compressor.

Schmidt had previously sold auto air compressors and knew they could pump well over 300 psi. And he knew salvage yards were full of old-style Ford compressors in perfectly good shape.

So when his compressor wore out, he mounted an automotive air conditioner compressor and powered it with the original electric motor.

After seeing how well it worked, he got the idea of building something he'd always wanted but could never justify - a gas-powered, "truly portable" compressor. He mounted another AC compressor with a head valve on a used air tank he bought. Then he put a used Briggs & Stratton gas engine on the tank to drive it. He had to buy a by-pass valve that would kick in at about 100 psi. It cost \$35 at a local hardware store. Total cost of the gas-powered



compressor was about \$90, compared to \$500 or more for a new one, says Schmidt.

"I can't tell any difference between these two tanks and commercial ones. The gas one is great because you can use it in the field. You could make your own from scratch using a 12-gal. air tank, which you can buy at Walmart for about \$35."

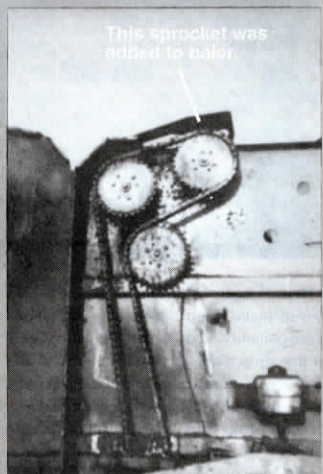
Contact: FARM SHOW Followup, Mike Schmidt, 112 Gaynelle Lane, Hobart, Okla. 73651 (ph 405 726-3213).

Idle Roller Conversion Helps Get Bales Started

"I had a lot of trouble starting bales with my Vermeer 604J round baler. I solved the problem by converting the baler's upper idle roller into a working roller. It puts increased friction on the belts to help turn the bale over and get it started," says Roy Killingsworth, Collinsville, Okla.

Killingsworth had a machine shop make a steel shaft with a bearing at each end. He then mounted the shaft inside the upper roller and added a sprocket. He bought a new roller chain that was 3 ft. longer than the original one and rerouted it around the new sprocket.

"It was quite a job but it was well worth the effort," says Killingsworth. "The two existing rollers couldn't always apply enough friction against the belts to get the bale started, especially in prairie hay. The converted roller works exactly like the other rollers but applies almost as much friction as both of them together. I paid \$20 a piece for the two bearings and \$55 for the steel shaft. My total cost was less than \$200."



Contact: FARM SHOW Followup, Roy Killingsworth, 15224 N. 137 E. Ave., Collinsville, Okla. 74021 (ph 918 371-3514).