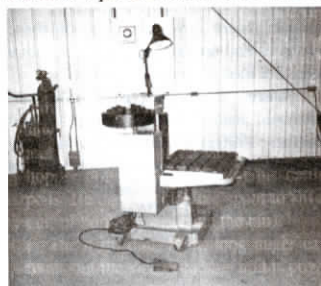


Bill Crain, Helena, Okla.: "We own a 1949 Ford 8N tractor that became almost impossible to start without pulling it to jump start it, even though it was in good shape and well-serviced. One day a neighbor told me his tractor got the same way and he discovered that the trouble was that the air cleaner was choked up with chaff and dirt, even though it didn't look like it was. I removed the cleaner on my tractor and took it to a car wash and backwashed it good. It was completely plugged. Now the tractor starts good every time and runs great. I had also been having the same problem with my combine and, after the same treatment, it now starts good again."

Alan Hutton, Auburn, Neb.: "I'm sending along photos of my welding table fitted with a rotating turn table. The main frame of the machine is a scrapped-out milling machine. I put four rollers on it - two of



them caster and two are fixed. This makes the heavy machine easy to roll around the shop.

"The rotating table is powered by a 1/8-hp. gear reduction motor with top rpm of 10. It runs through a 225:1 gear reduction box off an old conveyor table. Power is fed through two 1-in. roller bearings to the table which is fitted with a 16-in. 4-jaw independent chuck that'll hold odd and irregular shapes. The motor is reversible and is variable speed. After all the gear reductions, it has a top rpm of 4 and will go as slow as 1 revolution every 4 min.

"It works great for rebuilding shafts, cutting circles, cutting worn sprockets off hubs, welding new sprockets on, and many other jobs. I put a homemade foot switch on it for stop and go welding. The table can be rotated to a vertical position when needed. It works very well with my wire feed welder.

"The mill table is another useful feature because it has 5 "T" slots that work great for jiggling anything down to weld.

"All together, I have \$300 invested in this machine, along with many hours of time. It has proven to have been worth the time and effort."

Darrell Harvey, Brookville, Iowa: "We had problems with our grain bin sweep auger leaving a big trail of grain at the center where it splits in two. I bolted a used IH plastic coverboard to the back of the auger and it cut the trail of grain down by 75 percent, saving us a lot of cleanup time."

Bill Green, Wapakoneta, Ohio: "I've got a handy item other readers might be interested in. It's a Grease Gun Relief Valve and it costs just 79¢. It screws into the already tapped hole in the top of a cartridge grease gun and, when you can't pump grease out due to air inside (usually after filling), you just push down on the valve with your finger to let out the air and go on greasing. Works neat. (Sold by Central Tractor, P.O. Box 333, Des Moines, Iowa 50316 ph 800 247-7508 or 516 266-3101).

"Another nifty product I bought recently is an Autodraft fan which I installed in the 9-in. flue going from the back of my aging wood stove to the chimney. It makes it easy to start a fire and keep it going by providing increased draft. It'll even start green wood without letting smoke out of the stove. I only regret I didn't have this device years ago. Sells for less than \$100 from Northern Hydraulics (P.O. Box 1499, Burnsville, Minn. 55337 ph 800 533-5545 or 612 894-0326)."



Jerry Brandon, Quanah, Tex.: Farmer and custom combine operator Jerry Brandon invented the "Grabatube" grease cartridge dispenser for use in his own shop. It was so handy, he started making them for sale. "It keeps the lids on so dirt doesn't get in the tubes, and keeps all the tubes in one place so you don't have to go hunting all over for them. You can tell at a glance how many tubes you have on hand. One customer uses a separate dispenser for each kind of grease," says Brandon. Sells for \$12.50 plus \$3 shipping.

Brandon also came up with an auxiliary cab air filter for Gleaner combines. "I've run Gleaners for 30 years and the cab filters have always been a problem. The plenum is inside the cab. Dirt gets in there and you can't get it out," says Brandon. His add-on

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 farm 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.



filter fits over the screened opening that leads to the air plenum and standard air filter. The filter is sloped toward the ground so dirt falls right off. When the filter gets dirty, you just slip it out and install a new one. Uses inexpensive late model Ford pickup filters. Brandon says dirt never reaches the inside air filter and the air conditioner operates with increased efficiency, less maintenance. Sells for \$79.95 plus \$5 shipping. Fits Gleaners from 1968-92. (Farm Filters Unlimited, Rt. 2, Box 208, Quanah, Tex. 79252)."

Dan Mannel, Jefferson, Iowa: "I would like to know if any of your readers know where I could buy an alternator rated at more than 110 amps that would bolt onto existing IH 86 and 88 Series tractors. The largest alternator I've been able to find is 105 amps but I would like to find one of at least 125 amps or so that I could use without modification. (ph 515 386-4540)."

Louis Lewandowski, Foley, Minn.: Louis came up with an easy, no-cost way to repair bent grain auger tubes, irrigation pipe, etc.

He drills a hole through the center of a tapered block of wood and inserts a rod through it, then mounts a ring on each end so he can pull it through the auger tube in either direction. He mounts the auger on a flatbed trailer and uses a tractor or come-along to pull the wooden block through the tube. He uses the block as an anvil to pound out any dents. A pulley can also be used to do the job in place of a wood block. He mounts a rod on each side of the pulley so that if the pulley gets stuck he can pull it out.

Bob Hamilton, Gobles, Ontario: "The 4-speed transmission in my 1979 1-ton was

one of GM's biggest screw-ups ever. The first two gears are well-spaced but the last two are ridiculous. And once you get into fourth gear, if the truck is empty, you'll go screaming down the road at 3,000 or more rpm's. Another disadvantage with the Trymelec MY6 transmissions in these trucks is



Hamilton made "companion flanges" from GM driveshaft yokes to match driveshafts. "Tool" at center was used for installing rear main bearing.

that reverse is way too fast, especially with a trailer on.

"With the help of friends, I discovered a cheap and simple solution. I took a 4-speed auxiliary transmission from an old truck and installed it behind the existing tranny, just in back of the cab (you could also use a 3-speed). The first step was to find one with

Continued on next page

Adjustable Drill Bit Cuts Holes from 1/2 to 2 1/2 In. Dia.

This drill bit from Australia is all you need to drill holes from 1/2 to 2 1/4 in. dia.

Lloyd Linsin-Smith invented the "Super Drill" bit 13 years ago as a tool for farmers in Australia working in remote areas. It's now available from a number of distributors in the U.S. and Canada

To use, you simply drill a pilot hole and then adjust the side-mounted cutting tooth to the correct diameter. Cuts up to 1 1/2 in. holes in steel and 2 1/2 in. in wood. An optional adapter lets you drill up to 2 in. dia. in steel. Fits a 1/2-in. chuck. Cutting teeth are easy to sharpen yourself.

Basic unit sells for \$70.

Contact: FARM SHOW Followup, Peter Schofield, P.O. Box 430, Arbuckle, Calif. 95912 (ph 916 476-3177).



Punch, Chisel Holder

You can keep a tight grip on punches and chisels and avoid banging up your hands with this new punch and chisel holder.

"The Handler" clamps onto punches and chisels of all shapes and sizes up to 1 in. dia. It has a threaded handle on one end and a steel loop on the other with a spring-loaded steel prong inside. You turn the handle to tighten the prong up against the punch or chisel.

Sells for \$39.95.

Contact: FARM SHOW Followup, Knobloch Automated Mfg., Box 56, Alford, Iowa 51230 (ph 712 473-2400).