when unloading grain, he added caster wheels to the front and back end of the hopper.

He also made a full-size wood cover to go

over the top of the hopper. There are two handles on top of the cover to lift it off.

Tim Hays, Decatur, Ill.: For precise drilling, Tim salvaged a cross slide from a lathe

and bolted it to the base of a drill press. The cross slide has its own small vise for holding metal parts precisely. Then, using left and right cranks, you can get absolute accuracy when drilling.

Ed Dillard, Dade City, Fla.: "I plugged a leaking fuel tank on a jeep with JB Weld. It worked very well, and saved a lot because a replacement tank would have been expensive."

Leslie Eddy, Haviland, Ohio: "I keep an oil can filled with chainsaw bar oil to use on roller chains. The viscosity and stickiness is better than motor oil."

Jerry Hessman, Dodge City, Kan.: "I was having problems keeping wheel bearings from wearing out on my New Holland side delivery rakes until I drilled and installed grease zerks in each hub. Now I grease them as often as I grease the other bearings on the rakes. No more wheel bearing problems."

Bill Reeks, Cromwell, Ky.: "I made this welding table from scrap steel. The top is 1/4-in. steel plate measuring 48 by 61 in. with "T" iron braces underneath for added

strength. Legs and frame are made from 2-in. dia. pipe. I move it with a floor jack, lifting one end of the table. The legs on the other end are fitted with two 4-in. steel wheels. A lower shelf holds a variety of short materials and welding rods. This is a heavy-duty table that's easy to move around."

Durable Alternators Built To Survive Dirty Air

If you've ever had tractor alternator problems caused by dirt, dust, straw, chaff, etc., Buzz Equipment, Perryton, Texas, may have a solution for you.

Frank Buzzard, owner of Buzz Equipment, has designed a special alternator, the Buzzanator, that fits most applications for farm and industry. Buzzanator alternators are designed for peak performance under the toughest conditions.

"They have a front fan that draws large volumes of air through the alternator (from the rear to the front). A specially designed rear fan throws straw, CRP grass, dirt and other trash away from the alternator. This eliminates choking and allows clean air to flow throughout the alternator for cooler running," Buzzard says.

Buzz Equipment makes several versions of the Buzzanator. All feature Delco-style one-wire hookup. If the company doesn't have what you need, Buzzard says they can make it for you.

Contact: FARM SHOW Followup, Buzz Equipment, Inc., Box 1094, 17 S.E. 12th, Perryton, Texas 79070 (ph 800 762-9641 or 806 435-2441; E-mail: buzzequi@arn.net; Web site: www.buzzequipment.com).

Railroad Wheels Make Ideal Hoist Carrier

Railroad-type wheels off an old brick cart from a factory kiln make ideal carrier wheels for an overhead chain hoist, says Allen Vinyard who uses two sets of wheels in his shop to easily move his hoist around.

"I used a roll-around floor crane to pull engines before, but I always had to clear a path so I could move it," says the rural Hillview, Ill., machinist.

Two carriers are made from 3 by 6-in. rectangular tubing. Each is fitted with two of the 12-in. dia. wheels. Tracks were mounted on the outside walls of the shop. A 26-ft. I-beam runs between the rolling carriers. A chain hoist rolls back and forth on the I-beam.

Contact: FARM SHOW Followup, Allen Vinyard, R.R. 1, Box 129, Hillview, Ill. 62050 (ph 217 927-4289).

Each hoist carrier is fitted with two 12-in. railroad wheels.

Fuel Tank Sand Blasting Cabinet

"We do custom painting and sand blasting of tractors, forklifts, and other equipment. We recently bought a big commercial sand blaster for our work. My son said he thought we needed another sand blaster for doing small stuff. So we made our own out of a 300-gal. diesel fuel tank, a cheap commercial pistol-type siphon blast gun, and a shop vac," says Skip Kirkland of Mahomet, Ill.

Kirkland cut the tank stand's legs down to 2 ft. and fitted them with caster wheels. A 1 by 2-ft. window was cut into one side along with a pair of 7-in. dia. access holes, spaced 16 in. apart. He fitted the holes with lengths of inner tubing to act as protective gloves.

On one end of the tank he cut out a 2-ft. sq. hole and mounted a hinged plywood door over it to serve as an access door. A large metal shelf at the opposite end supports a standard electric-powered shop vac that's used to suck dust out of the tank. The vac's hose is inserted through a fill hole on top of the tank. The air-powered siphon blast gun is inside the tank and is hooked up to a big 10 hp, 3-phase, electric-powered air compressor. A steel pipe runs from the siphon blast gun through the end of the tank and down into a bucket of sand that mounts on a second shelf below the shop vac. When Kirkland pulls the trigger on the siphon blast gun, sand is sucked up out of the bucket and is blown out.

A water filter/regulator mounted on one side of the tank is used to catch any moisture in the air compressor line.

"It works great and can be easily moved around our shop," says Kirkland. "To operate the sand blasting cabinet, we simply flip a switch on the compressor. A 4-ft. long fluorescent shop light hangs inside the tank to provide light," notes Kirkland.

Contact: FARM SHOW Followup, Skip Kirkland, 19 CR 2150 N, Mahomet, Ill. 61853 (ph 217 586-6121).

Another Washing Machine Sand Blaster

Last issue we showed you a sand blaster made from an old washing machine cabinet (Vol. 24, No. 6). Tim Hays, Decatur, Ill., also built a sand blaster using a washing machine cabinet, but he took a different approach.

The cabinet sets sideways on top of an angled hopper. Hays cut two round holes in the side for hand access and installed an slanted window at eye level for good viewing. The window has a replaceable plastic liner to keep it from becoming sand pitted.

Hays hinged the old front of the washing machine so the entire panel hinges out for easy access to the inside of the cabinet.

To clean a part, Hays reaches inside to hold a blasting gun. A conventional air compressor supplies air to the gun through a regulator on the side of the hopper. Hays generally runs it at 40 to 50 psi. Sand is picked up by vacuum and then blown out the gun, then

falls back to the bottom of the hopper.

Contact: FARM SHOW Followup, Tim Hays, Decatur, Ill. (ph 217 877-2209).

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