

Over the years I've read reports in FARM SHOW about old tractors with a high number of engine hours on them. Our Allis-Chalmers WD-45 isn't equipped with an hour meter, but I've figured out that it has more than 20,000 hours on it. The tractor has been overhauled twice but still has the original rear end and transmission. Last summer I installed the third set of rear tires on it. I've displayed the tractor in shows and parades. It will go to my daughter Jessica when I'm gone. I still use it to plow snow and do blade work. I built my own 3-pt. hitch for it. I'm retired now and restore tractors. (Robert D. Riegler, W2301 17th Ct., Dalton, Wis. 53926; ph 920 394-3823)



We'd like your readers to know about Deer-Off, a deer deterrent product that Rutgers University found to be superior to all others tested. Studies there show that the product repels deer up to three times longer than the next most effective



solution. After the mild El Nino winter, deer populations are at their highest ever so it's important to protect valuable crops. Made from natural, biodegradable food products, Deer-Off contains no harmful chemicals and is safe for people, animals, and the environment. A single application lasts up to three months and won't wash away in rain and snow, nor will it change the color and texture of plants or leave a filmy residue. It's the only deer repellent to guarantee that it will solve deer damage problems.

We recently began offering the product in a new 16-oz. trial-size bottle so you can try it on your flowers and shrubs. The 16-oz. bottle is available either as a ready-to-use spray that costs less than \$10 or as a concentrate (one

bottle makes one gallon of ready-to-use spray). We also offer a 32-oz. spray, 32-oz. concentrate, and 1-gal. concentrate as well as several larger commercial options. (Deer-Off, Inc., 1127 High Ridge Road, Suite 204, Stamford, Ct. 06905; ph 800 333-7633; fax 203 968-2882; Internet: <http://www.deer-off.com>)



I made "cross blades" for my push-type mower that goes right through brush with ease. The cross blade consists of two 22-in. blades that are overlapped, squared up, and bolted in place.

The photo shows the mower deck with the front cut out, providing the blade with 1 in.



clear cutting area in front of the deck. This limits me to cutting 1-in. dia. trees. I have used the mower to cut down 3-in. dia. trees, but I have to get them from all four sides before they'll fall. (Dan Krenzler, 510 Elizabeth St. N.E., Cullman, Ala. 35055)

Our nylon metering cogs for corn planters let you use your planter's insecticide applicators



I build a snow plow that mounts on back of a pickup and can be converted into a bale mover. When used together with a conventional front-mount plow it reduces plowing time by two thirds. Works great to remove snow in an enclosed area or next to a garage door or wall, etc. You simply back up to a wall, drop the blades, and drive forward. Because you're pulling snow, you never have to turn the pickup around in order to "back drag" snow. The plow can be raised up to 43 in. high, allowing you to easily remove even large drifts. Up

to 1,450 lbs. of downpressure can be applied to the blade which is enough to clear even hard-packed snow. It's also the only rear plow on the market that can be tripped forward to avoid damage by hidden obstacles in the plowing area.

To convert to a bale mover, just remove three pins. The bale mover and snow plow can be sold separately, or as a set. (Ed Altheide, Snowman Snowplow, Inc., Box 78, Bloomfield, Iowa 52537; ph 888 766-6267; fax 515 664-3438)

to drop granular fertilizer in the row next to the seed. You simply remove the existing rubber cog from the shaft inside the applicator and replace it with the nylon cog. One caution - you have to use 11520 Mapp fertilizer because it doesn't have ammonia in it which can damage the seed. Using this method provides a great "pop-up fertilizer" that results in faster germination and higher yields than with other techniques. Many farmers tell us they get 7 to 12 bu. more per acre using this method. It's especially useful in heavy clay soils where you want corn to emerge as soon as possible. We're testing the same idea on soybeans.

Cogs are available to fit most planter brands and come in different sizes, depending on whether you're using mini or coarse Mapp fertilizer. Please specify the type of fertilizer you want to use. Sells for \$25 (Canadian) per row. (Lloyd Martin, 51 Scane St., Chatham, Ontario, Canada N7M 4N3 ph 519 354-2179)

Our new automatic quick-connect coupler for front-end loaders and skid steer loaders allows you to change attachments in less than one minute and requires no additional auxil-



ary hydraulics. The coupler includes spring-loaded and laterally shiftable pins which automatically latch to the implement when the coupler is shifted forward toward the implement. Pins are unlatched by manually turning an operating handle. The handle is connected to the pins by rigid links which follow movement of the pins in all positions, allowing the position of the handle to serve as a visual indicator as to whether the pins are latched or unlatched.

The unit is available in a variety of models to fit different loaders, loader backhoes, and skid steer loaders. We also make a 3-pt. bracket that attaches to a skid steer loader like a bucket and allows you to hook up to Cat. 1 3-pt. equipment. (Phil Foster, Farmers Factory Co., 100 East Lee Road, Box 122, Lee, Ill. 60530 ph 800 747-2132; fax 815 824-2071)

Our new pull-type single bale cart stabber lets you haul one bale at a time behind your pickup while keeping the pickup bed free for other uses. Works great if you have only a few bales

to haul. It's built heavy and will handle up to a 2,000-lb. bale. To use it you just back the unit up, stab the center of the bale, and use the hand winch to tip the bale up onto the cart. To



unload the bale you crank the bale down and then pull ahead. The unit is mounted on 16-in. high truck tires. Sells for \$950 plus S&H. (Gerald L. Wheatley, Wheatley Mfg. Co., Rt. 2, Box 151, Massena, Iowa 50853 ph 712 779-3418)

A friend of mine came to my shop with three photos and a few dimensions and asked me to build him a 2-wheeled portable barbecue pit that he had seen at a fair. I did and it turned out great.

The pit is 4 ft. wide and 21 ft. long. The axle is a shortened house trailer axle and the floor is made out of 1/2-in. thick steel plate. We used 2-in. angle iron to build the frame as well as the top edge around the pit. We used 2-in. sq. tubing to form the tongue and 2-in. angle iron to make supports. The sides are made out of 1/8-in. thick sheet metal, and



the four corner uprights are made out of 2-in. sq. tubing. The roof is framed with 1-in. sq. tubing and covered with steel roofing.

The extra features that we added are what makes it so great. To make it easier to get charcoal started we added a "turbo". It's a



piece of 2-in. dia. steel pipe that runs the length of the bottom about 1 in. off the floor, with holes cut in it every 10 in. A gas-powered leaf blower can be fitted to the end of

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I made a liquid manure vacuum tank using the tank off an anhydrous ammonia applicator and equipping it with powered rear wheels. The tank's axle and wheels are identical to the rear axle on the tractor that I use to pull the tank. I turned the tank's axle around so that the pto shaft faces the tractor, then mounted a T-gearbox (salvaged from a beet defoliator) under the front part of the tank. The gearbox belt-drives a shaft which drives the vacuum pump (salvaged from an old milking machine). A spindle powered by a reversible electric motor is used to tighten and loosen the belt. I can reach back from the tractor seat to engage the switch that controls the motor. Four ball valves are used to control direction of air into or out of the tank.

To fill the tank I connect a hose to a short pipe that sticks out the back of the tank. A transparent hose runs from the top of the tank to a small tank that mounts in front of the anhydrous tank. As soon as I see manure flowing through the hose I know it's time to stop the flow of manure into the tank.

Manure is discharged out the back onto a small disc harrow. It splashes out in an 18-ft.



wide pattern. The pipe at the back of the tank makes a 90 degree bend inside the tank and goes down to the bottom of the tank, so when I'm done unloading there are only a couple gallons of manure still left in the tank. The tank mounts on a steel chassis that I built out of 2-in. sq. tubing.

I raise 400 to 500 hogs per year and my manure pit isn't big enough to hold a year's worth of manure. Because the rear wheels on my vacuum tank are always pulling, I can apply manure at any time of the year without worrying about getting stuck. (Jens E. Andersen, Hyrdevej 61, 5300 Kerteminde, Denmark; ph and fax 011 45 65 32 44 30)