

an old rake wheel mounted 7 ft. above the ground. The gate itself is made up of three smaller steel wheels mounted in a frame made out of an old bedstead. A 3/4-in. dia. pipe at the center of the gate pivots on a 1/2-in. steel rod set in the concrete walk. Chains are spaced about 10 in. apart. If you put them closer than that they won't hold the gate shut and if you put them farther apart, the gate is too hard to push open. When you open the gate, the twisted chains straighten themselves out, closing the gate. Loose pieces of pipe hang from the gate and act as chimes when the gate is opened, giving a musical sound whenever anyone goes through.

The gate is 5 ft. wide and about the same height. If you need to haul a large object through, you can just unhook the chains and lift it off the pivot rod. (Wallace Brower, Box 668, Didsbury, Alberta, Canada)

We're looking for a stove designed to burn shelled corn. Any idea who makes them? (Byron Johnson, Des Moines, Iowa)

The following companies sell shelled corn stoves and/or furnaces: Kruse Mfg., P.O. Box 248, Auburn, Iowa 51433 (ph 712 688-2284); Dove Energy, P.O. Box 49138, Algood, Tenn. 38501 (ph 615 537-3602); Ithaca Mfg., P.O. Box 78, Ithaca, Mich. 48847 (ph 517 875-4949); Environmental Energy, Rt. 2, Gradshaw Rd., Box 219B, Central Square, New York 13036 (ph 315 676-3683); Jiffy Products, Rt. 4, Peterborough, Ontario, Canada (ph 705 742-9901).

I am an agriculture teacher and have used your magazine in class to give students new ideas. I also use it to show how innovative people can be when they set their minds to it. It's a great magazine for encouraging students. They won't leave it on my desk - someone always has it. Keep up the great work. (Robert Booky, Box 566, Cloudcroft, N. Mex. 88317)

There seems to be a real problem obtaining additional information on products featured in FARM SHOW. I've requested information about several products and have received information from only one of them, and that only after waiting two to three months and then making a phone call to that source. If the item described is for sale, you should state that and include the price. If the item is described for information/news only, you should state that. (James Sullivan, 416 S. Vine, Mt. Vernon, Mo. 65712)

Editor's Note: FARM SHOW carries a mix of commercially-available new products and "made it myself" equipment developed by farmers. When an item is on the market, we always run a price, if available, and most of these companies send out more information to readers who request it. Unfortunately, we have no control over the companies featured and can't guarantee that they will follow up with all inquiries.

On the other hand, most "made it myself" ideas are created by farmers who do not have literature, plans or other prepared information to send out. We run a contact address and phone number as a courtesy but readers should realize that the farmers featured are under no obligation to respond. The best way to get your questions answered is to use the telephone or send along a self-addressed stamped envelope.

I've sold hundreds of plans for my waste oil stove made out of a 50-gal. barrel to farmers all over the U.S. and Canada since it was featured in the Jan.-Feb., 1990 issue of FARM SHOW. I received over 1,200 letters. This letter is to inform your readers that I have now developed a smaller 30-gal. barrel size stove with an 8-in. burner. The only

difference is the heat output. These stoves are not UL approved. To keep them simple, they are manually operated. I also sell the burners for installation in your own barrels. For more information, send a self-addressed stamped envelope. (Kirk Deardorff, Box 164, Hale, Mo. 64643 ph 816 565-2924)



I developed this wood pellet-burning space heater primarily for freeze prevention in orchards and other frost-sensitive crops. It can also be used inside shops, barns and other buildings. There is very little, if any, emission from the stove and it reaches temperatures of up to 900 degrees with 100,000 btu's of constant heat per hour. Uses no electricity thanks to a patent-pending gravity flow feed system and natural draft air system that eliminates the need for an auger or combustion fan. The portable unit is lightweight and easy to handle and saves 40 percent over the cost of burning diesel fuel. Burns continuously for up to 12 hrs. Sells for \$219.95 with discounts available for multiple stove purchases. We also have conversion kits available for existing diesel fueled stoves. (Ernest W. Christopherson, president, Jet-Air Pellet-Burning Systems, P.O. Box 2115, Idaho Falls, Idaho 83403 ph 800 835-4328 or 503 467-2461)

I recently won a "Merit of Excellence" award for this replica of a 1909 Model T Ford pickup truck from the James F. Lincoln Arc Welding Foundation. The truck is 8 ft., 4 in. long and 4 ft., 8 in. wide. It's powered by a 5 hp. air-

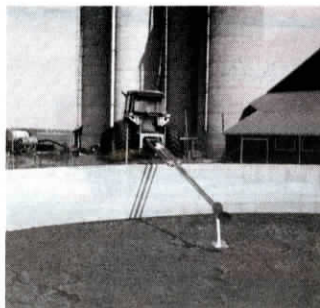


cooled Briggs & Stratton engine through a centrifugal clutch with a belt for smoother control than a chain drive. It has a 27 to 1 ratio that drives the truck at approximately 10 mph. I designed it for use in parades.

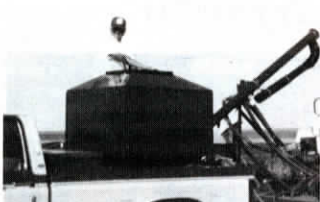
The truck was selected for the award because of the simplicity of design. It carries two people in comfort and can be moved in the back of a regular size pickup. What makes it unique is that it authentically represents the original model and yet I used only miscellaneous materials I had on hand. Only the shuttle oil lamps and the mechanical "oo-gah" horn are original equipment.

The tubular steel frame incorporates a special welded cornerjoint that added strength to the overall design. The front axle and spindle joints were shaped to the correct dimensions and then welded for proper steering characteristics. (Bill Short, Rt. 2, Box 230, Hamilton, Mo. 64644)

We produce a line of manure agitators that include this 28-ft. long 3-pt. model with a 2-bladed propeller which is set at such an angle that it creates a whirlpool and will send a stream of liquid 150 to 200 ft. across a lagoon or tank. The whirlpool action is very beneficial in that it takes the crust down in cattle manure and digs settlements off the bottom of tanks and lagoons with hog and

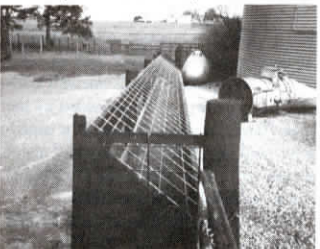


poultry manure. Our longest agitator is 35 ft. long. All our equipment is hot dip galvanized and the 1 1/2 in. tensile shaft has 7 support bearings (on the 35-ft. model). As compared to any pumps on the market, propeller agitators are made to move a very large volume of material and are really the only way to efficiently homogenize liquid and semisolid manure. (John Spanjer, J. Spanjer Manure Equipment, Tavistock, Ontario Canada ph 519 655-2678)



Handling dry herbicides, fertilizer or seed is easier with this mini-bulk tank I designed to fit in the back of a 1/2-ton pickup. When empty, the 42-cu. ft. metal (14-ga. steel) tank can be loaded into a truck by two men. It'll hold up to 2,000 lbs. of dry material, or about 40 bu. of seed. It's unloaded by a 5-in. auger, driven by a 5-hp. Briggs & Stratton engine with a centrifugal clutch and a kill switch on the down spout for easy shut-off. Unloads about 800 lbs. per minute.

There's one similar unit on the market but it's so heavy you need at least a 3/4 or 1-ton pickup to handle it. I custom-build the tank for \$1,895. (Ken Leys, Ken's Custom Mfg., Box 211, Elrose, Sask. S0L 0Z0 Canada ph 306 378-4090)

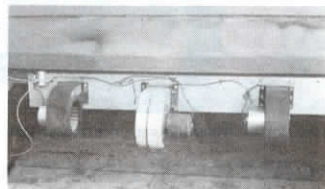


Old bale elevators make good fenceline feeders. I strip out the chains and remove all other miscellaneous parts and build a wooden frame around the elevators using scrap lumber. Then I put hinge-up wire panels over the top back side of them so we can feed our sheep without ever going into the lot. I level the ground where the feeders will be placed, and then use 4 by 4's to make a solid foundation for the feeders since I expect them to be in place for many years. I paint the insides of each feeder with aluminum paint to keep them from rusting and to make them easy to clean out.

I cut up wire hog panels and staple them to the top board above the feeder, which acts as a hinge. They're easy to open to drop in bales of hay. Grain can be poured right through the hog panels. I have converted all my feeders around the farm to the fenceline variety. Gives sheep plenty of room to eat without being crowded and I can get a good look at every animal every day when they line up to eat. They've also cut down on chore time and they help preserve my knees since I don't get charged by hun-

dry animals anymore. They also make it easy for my wife to pitch in and help at chore time. The feeders cost less than \$100 each to build. (Richard Kraflka, Kraflka Suffolk, Rt. 1, Box 74, Dysart, Iowa 52224 ph 319 476-3760)

We custom-bale about 8,000 tons of hay per year for 32 farmer-customers so we don't have a lot of time to spare. That's why we built an automatic chaff remover for our New



Holland 2,000 baler. I got tired of having to stop to use an air hose to clear the knotters. I mounted three 12-volt, 176 cu. ft. per minute Dayton blowers on a 5 1/2-in. wide piece of 1/8-in. aluminum sheet metal reinforced with a piece of angle iron. The whole assembly is sized to fit the opening to the knotters.

Now the blowers continuously clear chaff from the knotters as we move across fields, creating a cloud of chaff that makes the machine easy to spot from a distance. The only expense was for the blowers, which cost \$39.95 each. I figure I got my total investment back within the first week after I started using the blowers. (A.L. Peterson, Hatch, New Mexico)



I built a deluxe ATV trailer with flotation tires and walking beam axle for my own use 6 years ago. Other people saw it and wanted one so I started building them for sale. They ride smoothly over rough ground or when pulled through the woods. The trailer is the width of a 4-wheeler - 43 in. - and is 6 ft. long. It's fitted with 25-in. wheels on the tandem walking beams. The box is made out of wood with a steel undercarriage. It has a deep well down the center with shallow sides over the wheels.

It pulls much easier than other ATV trailers on the market and is perfect for hunting and fishing because it walks right over fallen timber in the woods. Great for bringing firewood or dead deer out as well as for chores of all kinds around the farm. Could be custom-built to different sizes and can be equipped with a tailgate. Sells for \$1,800. (Jack Strelzki, Box 368, Snow Lake, Manitoba, ROB 1M0 Canada ph 204 358-2417)

STATEMENT OF OPERATIONS		FARM SHOW	
		1990	1989
1. Total Revenue		100,000	100,000
2. Total Expenses		(80,000)	(80,000)
3. Net Income		20,000	20,000
4. Total Assets		100,000	100,000
5. Total Liabilities		(80,000)	(80,000)
6. Total Equity		20,000	20,000
7. Total Revenue		100,000	100,000
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12. Total Equity		20,000	20,000