

# Reader Letters



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building while outdoors windmills are being erected on towers, many equipped with pumps and tanks. Our goal for the American Wind Power Center is to make it the most comprehensive collection of historic windmills in the world. It's our way of honoring those early settlers who struggled with difficult conditions that were tempered with the life-giving water pumped by windmills.

The center's extensive windmill collection contains one early windmill made in the 1860's; one of the first all-metal windmills; and many other examples of rare wind machines. Many of the windmills on display were given to the Center by families from across the country, who want to honor their early family or business heritage by displaying the mills in a permanent location. **(Coy F. Harris, Executive Director, American Wind Power Center, 1501 Canyon Lake Drive, Lubbock, Texas 79403 ph 806 747-8734; fax 806 740-0668; E-mail: charris@windmill.com)**



creamer and also makes it work much faster.

The unit has four curved, serrated steel blades. The first two blades remove about 3/32-in. of the top of the kernel when the ear is pushed through. The two remaining blades scrape and remove all the pulp and cream from the cob. Creamed corn simply falls into a pan you place underneath and the cobs fall into a waste container.

I installed a 2 by 12-in. air cylinder and a 3-way valve that's used to control the cylinder. I made brackets for the unit and bolted it to a cast aluminum platform. The cylinder operates off a small air compressor that runs on 110-volt electricity. It will process about 10 bushels per hour.

I paid \$125 for the air cylinder and the 3-way valve. My total cost was less than \$350. **(Don Demorest, 3897 Waldo-Fulton Rd., Waldo, Ohio 43356 ph 740 726-2554)**



Last year you printed a story about the half-scale hay wagons my husband, Dave, designs and manufactures (Vol. 25, No. 5). The wagon measures 7 ft. long and 4 ft. wide and can be pulled by any garden tractor or ATV. This year he has



designed and fabricated a half-scale flare-side grain wagon. It's cute even to a non-country girl like myself. It measures 5 by 2 ft. with a galvanized steel box and a heavy duty running gear. He can paint the wagon running gear whatever color the customer wants. Sells for \$695 plus S&H. **(Pat Timmerman, Pineview Machines Etc., Inc., 7436 195th St. W., Jordan, Minn. 55352 ph 952 492-3677; fax 952 492-5345)**

I'm impressed with the Black Jack Corn Creamer that I bought several years ago to make creamed corn in volume (Vol. 20, No. 6). To make the hand-operated unit easier to use, I modified it by removing the handle and attaching a compressor-powered air cylinder to the original push rod.

It takes all the work out of using the



Down here in Southwest Missouri we don't always get rain when we want it. So when I had the opportunity to buy a couple large tanks from a local welding shop, I snapped them up. They were from a turkey processing plant. Each tank is 12 ft. long, 4 ft. wide and 4 ft. deep. I put them on my farm under the eaves troughs to catch rain. I put a small gas motor on a pump which I use to water my garden and my wife's flowers. It works great because I think rain water is much better for the garden than well water. **(Charley Laney, Republic, Mo.)**

Over the past 21 years, I've been working on a small portable hydrogen generator that I've sized to fit onto the fuel injection system on a car engine. Using this, I've been able to double gasoline mileage. Burning hydrogen is safe and clean and inexpensive.

I'm hoping to be able to manufacture and sell generators like it and would like to hear from anyone who's interested in buying or helping with getting it on the market. **(Robert Ferreira, 9775 W Sunny Day Ct., Crystal River, Fla. 34428)**



I keep weather records for our local county, which includes recording rainfall. Government rules require use of a large 4-in. dia. rain gauge, and it has to be mounted away from any obstacles that could prevent rain from getting into the gauge. So I mounted the gauge on top of a 30-ft. high pole next to my house, where it's up above the house and any trees around it. The gauge is surrounded by a round plastic shield that blocks the wind.

To gain access to the gauge, I mounted a system of chains and sprockets on the porch, which the pole is attached to. Standing on the porch, I can use a power drill to chain-drive a cable that runs up the pole and brings the gauge down to



me. The gauge attaches to a bracket that's fastened onto the cable. After emptying the gauge I simply reattach it to the bracket and use the power drill to send it back up the pole. **(LeRoy Bauer, 1845 W 139th St., Shakopee, Minn. 55379 ph 952 496-1703)**



My new truck-mounted grain sampler makes it easy to collect an accurate sample from each truck load of grain. It consists of a 1 1/2-in. dia. pipe that runs diagonally about 2 ft. off the floor of the box from front to back. There are a series of 1-in. dia. holes spaced 1 ft. apart in the top part of the pipe. As grain is loaded into the truck it fills a couple inches of

pipe along both sides of each hole. Then later when the full truck is raised and unloaded more grain enters the openings to entirely fill the pipe. A spring-loaded door on back of the box is used to empty out the pipe by gravity. Sells for \$149 Canadian. **(Reuben Bahnman, Larban Industries, Inc., 250 Brookhurst Cres., Saskatoon, Sask., Canada S7V 1C5 ph 306 651-2749; fax 3067 651-2457; E-mail: r b a h n m a n @ s k . s y m p a t i c o . c a ; Website: www.larban.com).**



We recently bought the manufacturing rights to a front-end loader for ATV's originally marketed by Smucker Mfg. of Harrisburg, Oregon (Vol. 25, No. 2). The "Groundhog" loader comes with a 44-in. wide bucket as well as pallet forks and a blade. The loader is operated by an electro-hydraulic power unit that mounts on the front rack and is wired to the ATV's battery. The loader arms are secured by two pins to a permanently-mounted steel plate that bolts underneath the machine. The arms are raised or lowered by a pair of cylinders. A third cylinder is used to tilt the bucket.

Controls for the loader are positioned on the handlebars. Once mounted, the loader can be removed in only about five minutes. The loader weighs 120 lbs. without the bucket. It has a lift capacity of 300 lbs. and a lift height of 48 inches. Sells for \$2,695 including the bucket. The blade and pallet forks sell for \$279 apiece. **(Concord Environmental Equipment, 25808 Hwy. 10, Hawley, Minn. 56549 ph 800 330-8907 or 218 937-5100; fax 218 937-5101; E-mail: cee@rrt.net; Website: concordequipment.com)**