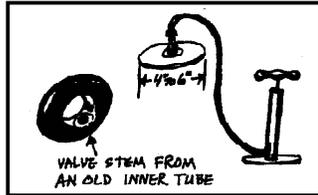


to it and quickly pick it up to secure the panel against her as she goes into the V and you swing the panel tight on her. The rope serves to hold the panel and to keep her from backing out. You can either tie the rope or have someone hold it - with several hitches around the panel for leverage - while you check the cow or deliver the calf. And once the calf is delivered, you can just swing the panel open again and give the cow her freedom without having the fuss and danger of having to untie her head and upset her. (Heather Thomas, Box 215, Salmon, Idaho 83467)



drain and the other applies the pressure. (Larry McWilliams in Countryside Magazine)

We made this fence wire cart to make it easy for one person to roll out wire for a fence. It'll handle smooth or barbed wire. The main feature of the unroller is that you don't have to lift the roll of wire onto it. The cart can be easily loaded by laying the spool of wire horizontally on the ground, and then flipping the round shaft through the middle of the spool. The square metal base blade spins with the roll of wire. The cart works great in hard to get at places. Sells for \$79.95 (includes shipping and handling - Canadian orders add \$21.95). (Ernest R. Sigle, Sigle Mfg. Co., Rt. 1, Box 30A, Council Grove, Kan. 66846 ph 316 767-6301)



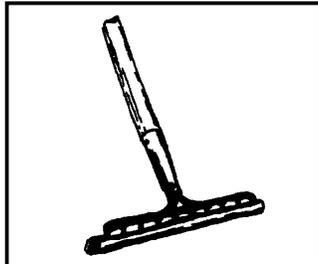
I cut this photo of a "fuel cell" tractor out of a newspaper in the late 1950's or early 1960's, and then never heard anything about it again. Maybe one of your readers knows



what happened to it. Here's what the original article said about it:

This experimental Allis Chalmers tractor has 1,008 fuel cells to supply electric power by the reaction of fuel gases and oxygen in an electrolyte. The controller to the left of the driver sets the speed forward and in reverse. This engineless tractor develops 3,000-lb. drawbar pull, more than enough to pull a multiple-bottom plow in field tests. The gas supply, mostly propane, is in tanks mounted on back and sides of the tractor. These gases go to the cells through a system of tubing, setting up the reaction in the electrolyte.

(Doug Chalmers, 6525 Bella Vista Dr., Victoria, BC V8Z 6Y4 Canada)



You can make a quick and handy squeeze for cleaning any concrete floor. Just slit a piece of rubber garden hose and slip a garden rake into the slit as shown.

You can make an air-powered drain unclogger by cutting the valve stem out of an old inner tube, leaving about a 4 to 6-in. dia. circle of rubber with it. Wet the rubber and place it over the stubborn drain. Connect the valve to an air hose (you can use a hand pump). One person holds the rubber to the

Maybe your figures are correct in the article in the last issue about Belarus tractors called "The Russians Are Coming", but I'm amazed and disappointed that you told only one side of the story - the Russian side. How many taxes do the Russians pay to the treasury of the U.S.A.? How many U.S. citizens do they pay salaries to, compared to our domestic tractor companies? How many unions have they ever allowed? I bet workers in Russian factories do not get paid anywhere near what our workers do.

I am 82 years old and have been a farmer all my working life. I've been a Case man for 70 years and will continue to be one. (Francis Trittle, P.O. Box 1035, Omak, Was. 98841)

We use a dozer blade on front of our 4055 Deere tractor to level silage in bunker silos.

The problem is that silage spills over the back of the blade as you push it around. To solve the problem, I mounted a section of steel catwalk on top of the blade. It extends up about 4 ft., protecting the entire front of the tractor and letting me get the job done a lot faster. It's braced to the dozer lift arms on back. (Dennis Ballweg, 6790 Ballweg Dr., Sun Prairie, Wis. 53590 ph 608 837-5490)

I can carry everything from pets to camping equipment, groceries, coolers, and blankets behind a bicycle with my new 2-wheeled Karyall which has a snap-on screen top with a zipper in front. Unsnapping the top makes it easy to carry groceries. The entire unit attaches to a ball on back of the bike. The hitch pivots from side to side so it won't tip over.

I'm also proud of my "Tiny Toter" that lets you haul a child next to you while biking.



Makes it a lot of fun to ride together, and you can see him which is much safer than having him behind you. A shoulder harness and crossbar keeps the child safe and he has a canopy over him for shade. The unit mounts on a 20-in. pneumatic tire for a soft ride. It snaps on or off the bike by removing a pair of pins from a bracket that fastens permanently to the bike. If you tip over, the Tiny Toter stays upright because of a pivot design built into the hitch.

Both the Karyall and Tiny Toter fit easily in



I'm an ag engineer and I also collect antique tractors and farm equipment. In late 1992 I started a ground-up restoration of my Deere "LA", which left me without a tractor with a belt pulley to run my buzz saw in cutting firewood. I decided to make a belt pulley for my 1971 Cub Cadet 126 garden tractor.

The tractor was fitted with a rear-mount tiller driven by a long horizontal V-belt that runs underneath the entire length of the tractor between the mower clutch on front of the engine and a 90° gearbox at the back. My belt pulley basically just replaces the tiller. I made a bracket to hold a 1 3/8-in. shaft with a flat belt pulley on one end and "A" section V-belt pulley mounted between two flanged bearings. A short belt connects the belt pulley shaft and the gearbox, and is tensioned by a bolt running through the drawbar and is held in place by two drag links. I chose the pulley and sheave combinations to result in a flatbelt speed of 2,550 ft. per minute at the maximum rated engine speed of 3,600 rpm's, which is about the belt speed that Farmall's run at.

After successfully cutting wood with this rig, I decided to take it to our annual corn

a car trunk. I'm looking for a manufacturer. (Harold Fratzke, 234 Shoreview Drive, Cottonwood, Minn. 56229 ph 507 423-6341)

I enjoyed reading your story about the giant portable crop dryer (Vol. 20, No. 1). A friend of mine who lived near Benson, Minn., used a similar idea in the early 1950's. However, his was mounted on a New Holland bale wagon equipped with a grain drying floor and had a tarp over the wagon. A big oil burner fan blew hot air into the wagon. (Joe Dugan, Box 906, Roblin, Manitoba R0L 1P0 Canada)

Two years ago I exhibited my modified row crop cultivator at an inventions contest sponsored by Farm Bureau during its annual national convention. To help dress up the booth I used scrap steel to make 6-in. high corn plants and welded them to steel rods so that



I had three rows of "corn" under the cultivator. Some people were more interested in the corn plants than the cultivator and asked me who made them. Others have also shown interest in them. They'd probably make great yard or advertising displays. I'm willing to make them for sale for anyone



shredding. My plan was to belt up to a McCormick Deering, 6-roll shredder and just "limber" up the belts and bearings for the other tractors. The next thing I knew, we were putting fodder through and the old Cub did very well.

I've since had the Cub to several shows to shred fodder and cut slabwood with a sawmill. The reaction from people is great. It's fun to see them get down to see how it works. (Doug Wysong, 5135 Maud Hughes Rd., Middletown, Ohio 45044)

who's interested.

I've also made full grown corn plant ornaments for use in the promotion of ethanol as well as a mailbox stand with a man holding a shovel in one hand and a barn mailbox in the other. I'm willing to build them for sale, too. (Rick Mabeus, 22419 60th St., Winfield, Iowa 52659, ph 319 257-6764 or 257-6779)

Our Hilton cordless engine heater uses liquid propane and your vehicle's 12-volt battery. It's completely independent of any other power source. It's designed to heat all liquid cooled engines that require preheating to



start in cold weather and also eliminates the need to idle diesel engines in cold weather.

The heater is activated by flipping a switch on the dashboard. Once it reaches operating temperature a thermal switch permits the propane to flow from the tank. The heat source then operates on its own with no further battery use. As engine coolant is heated, it circulates through the engine by convection and the pumping action of the heater.

Continued on next page