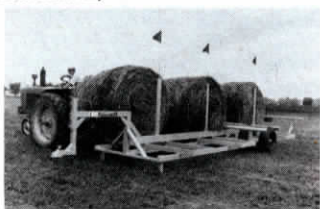




Here's a homemade "bean pole" for string beans, cucumbers and any other climbing plant. It consists of two bicycle wheels welded to either end of a shaft and then strung with fishing line all around the outer circumference of the wheels. I've seen commercial bean poles advertised for \$26.95. These cost only a few cents. (C. Nedelec, Toutes Aides, Manitoba ROL 2A0 Canada)

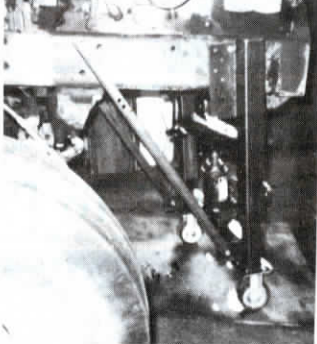
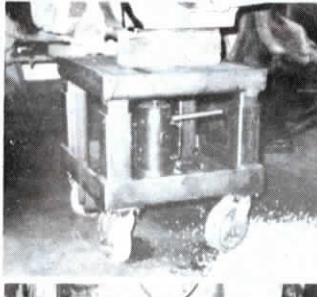


I was the first person to patent this type of multiple bale trailer back in 1977. If imitation is the finest form of flattery, we are blushing. No other trailer I know of has all of the features in our rig: it can be pulled with the bale fork or a gooseneck pickup truck, it's got an adjustable tongue, a full trailer frame, extra bracing under the center of the trailer, wheel guards, flag stands to center bales, a rear bale guard, and 11L by 15 8-ply tires. These trailers range in price from \$2,800 to \$3,600, depending on size and options. A bale fork is included with each trailer as part of the package. (David W. Spurgeon, Rt. 2, Trafalgar, Ind. 46181 ph 317 878-4421)

We'd like to tell FARM SHOW readers about our unique "Farmtronics" mail order catalog that features just about every electric or electronic component a farmer would ever need. Our current catalog features electric wire, fittings, switches, all type of gauges, ratchet counters, acre meters, shut-down switches, activating switches, battery chargers, a variety of electronic meters, fencers, calibrators and monitors for many different uses, flowmeters, moisture testers, grain probes, and many other items. We think it's the best catalog available of its kind. We'll send a free copy to anyone who writes or calls. (Rene Strelsky, Farmtronics, 605 Henderson Dr., Regina, Sask. S4N 6A8 Canada ph 306 721-6455; in Canada, call toll-free 800 667-7194)

I would like to bring to your attention a new video information package called "Elk Ranching for Profit" that I'm now making available. Having been in this business for more than 20 years, we are well aware of the profit potential in this growing field and would welcome inquiries from your readers. The video package answers questions such as what type of return you can expect, where can you buy deer and elk, how do you raise deer and elk, what special problems are involved, and so on. The video information package sells for \$59. (Robert S. Johnson, Hardrock Game Farms, P.O. Box 399, Port Isabel, Tex. 78578-0399)

I built a tractor splitter and center lift dolly 5 or 6 years ago and they've worked so well I can't see how we got along without them all these years. Both items have been used to split tractors from 27 hp. to 175 hp. A



neighbor used them to split his 4020 Deere last spring to do a major overhaul and he said it was the slickest alignment aid he'd ever seen because it lets you move the bell housing small amounts thanks to the caster wheels on the lift dolly. The splitter is adjustable to fit various width frames from 15 1/4 to 29 in. It's built out of 3 and 2 3/4-in. square tubing with 1/4-in. sidewalls. The mounting plates are 8 by 10 by 1/4 in. with a series of 1/2-in. holes to mount to the tractor frame. The struts that run up toward the radiator are 1 1/2 by 1 1/2 by 1/4-in. angle irons. Wheels are 5 by 1 1/2-in. cast iron center with ball bearings, and are greasable. The load rating on them is 1,250 or 1,350 lbs. They roll the load so easily one man can split and push everything together himself. I also made an adaptor for narrow front ends.

The center lift dolly was built from 5/16-in. angle iron, salvaged from a Farmhand loader, and 3-in. square tubing. The frame is 20 in. sq. and lifts from 21 in. off the floor to 28 in. The swivel casters are 6 by 2 in. with a 1,500 lb. load rating. When under the bell housing, alignment of input and pto shafts are easy to make because it can be moved side to side exactly as needed. The hydraulic lift jacks in both tools can be removed and used for other jobs. (Gary Bakken, Rt. 2, Box 179B, Detroit Lakes, Minn. 56501)



My mobile pens for cattle and sheep are a great way to move animals around to new grazing areas without making a huge investment in fences. Makes a giant "lawn mower". The sheep pen is about 15 by 25 ft. in size built from lightweight 1-in. square tubing that's covered with large-block woven wire. Two bracing beams run across the top of the unit for stability and it rides on four automotive wheel hubs welded to the frame. A sheet metal shed at one end provides protection from the rain. The entire structure tows easily from place to place with a small tractor. We have coyotes all around the place and we haven't lost one sheep to coyotes in three years of use. We build mobile pens for cattle, too, including one that's 8 by 12-ft. in size mounted on a pair of

wheelbarrow wheels. It holds 7 young calves that are fed milk out of a trough bolted to the side. (Martin Wedman, P.O. Box 1889, Valleyview, Alb. T0H 3N0)

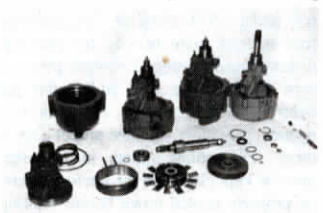


We built this king-sized forage wagon to cut down trips from the field to the barn when harvesting. The original wagon box was 8-ft. wide, 7-ft. high and 22-ft. long. The new wagon box is 10-ft. wide, 9-ft. high and 32-ft. long. Wheel track width is a legal 8-ft. and the wheel base is 20-ft. The wagon is outfitted with 6 wheels with a walking beam axle setup on the rear. The wagon frame was built with 5-in. I-beam and 2-in. square tubing spaced on 32-in. centers about the box. Sides and the roof were made from galvanized steel roofing. The floor is 2 by 6 tongue and groove planking. It holds about twice as much as the old one. We've used it for two seasons and it works great. To make the unloading head wider at the front of the wagon, Herbert took 2 heads and spliced them together. The unloader has three beaters and an auger at the bottom that discharges in the center. (Patrick Herbert, Rt. 2, Thamesville, Ont. N0P 2K0 Canada)

We've got two simple "locator" ideas for combine headers that help save both time and repairs. The first idea is a cutting height gauge on a New Holland combine that lets us see at a glance the height of the header off the ground. It works especially well for cutting short crops at faster than normal travel speeds. The gauge was made out of a 3/8-in. dia. rod attached at a pivot point to the combine feederhouse assembly. The rod slides up and down through a short length of pipe attached to a second pivot point. It bolts to the corner of the cab just outside the window where the operator can clearly see it. Colored markers on the rod correspond to varying heights of the header. A light shines on the gauge so it can be read clearly at night.

A second "locator" idea is a marker that mounts at the end of the header to keep truck drivers from bumping into the end of the header when unloading on-the-go. The marker is an old auto antenna with a spring base. A piece of rubber hose over the spring keeps the antenna from bouncing around too much on rough ground. Orange tape at the top of the marker makes it easy to see. (Wesley Healey, Byrnes Farms, Box 26, Richlea, Sask. Canada)

Thanks for your article in the last issue of FARM SHOW about my business rebuilding



power steering units on older Oliver, Ford and Minneapolis Moline tractors. I wanted to point out to your readers that I'm rebuilding power steering "hydramotors", not the hydraulic pumps as stated in the article. If the GM Saginaw power steering hydramotors in these tractors wears out, there are no replacement parts or new units available from the manufacturer. Your only recourse is to buy a replacement made by other manufacturers for \$1,200 or more. I totally rebuild existing hydramotors for \$300, in-

stalling all new seals and replacing or rebuilding the cam track. Turnaround time is generally 3 days. (Lloyd Van Boven, Van's Service Center, 42667 State Rt. 18, Wellington, Ohio 44090 (ph 216 647-2652))



You can use your lawn mower to apply liquid herbicides and fertilizer by flowing the liquid down through a hole in the top of the mower deck. The idea will work with any push or riding lawn mower. It eliminates the need for sprayers and spreaders and lets you do two jobs at once. You simply drill a small hole in the mower deck, fit a nozzle to the hole and attach a hose from a supply tank that mounts on the mower handles. The spinning blades turn the solution into a mist that's directed downward so there's no drift. (Frank Belrose, 2349 Dodd Rd., St. Paul, Minn. 55120 ph 612 454-4072)

I made a hydraulic-powered one-row potato digger out of an old horse-drawn, ground-driven digger. I replaced the steel wheels with a new axle and 15-in. car tires and wheels. I removed the seat and mounted a Char-Lynn hydraulic motor (with 11.2 cu. in. displacement per rpm) in its place. I put a 30-tooth sprocket on the motor and a 60-tooth sprocket on the shaft which runs between the bed chains. A #60 roller chain runs between the sprockets. If the digger jams, the valve on the tractor shuts off, acting as a clutch. The motor can be reversed from the tractor seat to clear most obstructions and you don't have to get off the tractor to clear the digger. We have used it for several years now and it still works great. We use it to dig out all root crops, including onions. (Clayton Orchard, Rt. 5, Fredericton, New Brunswick, E3B 4X6 Canada)



Old wheeled dump rakes make nifty rolling teeter totters. I found an old rake axle and wheels in a neighbor's junk pile. All that was left was the 10-ft. wide angle iron axle frame with the wheels mounted at either end. I cut out the center and joined the two short pieces together with the wheels attached. The wheels still turn and the shortened angle iron frame pivots freely. I simply bolted a 2 by 10-in. by 12-ft. long board to the angle iron thus making a rolling teeter totter that can be used standing still but can be rolled anywhere around the farmyard. I welded together T-bar handles for either end. (Rick Mabeus, Rt. 2, Box 62, Winfield, Iowa 52659)