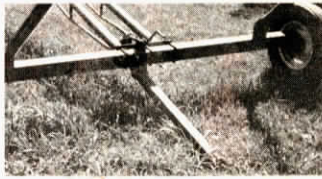


Reader Letters



On long grain augers, the last few bushels of grain moving up the auger can cause it to up-end. I "tip proofed" my auger by outfitting it with a 36-in. long piece of 2 1/2-in. sq. tubing on the axle. I used a 3/4-in. dia. piece of steel rod as a crank to move it up and down. The idea is especially useful when unloading into an open pile.

I came up with another idea that helps unload grain trucks. It seems like you can rarely get the truck in the right place when unloading. Most people use a shovel or



board to direct grain to one side or the other. I solved the problem by putting a 6-in. wide piece of rubber belting on a short piece of pipe that slides to the right or left on a 5/8-in. rod mounted across the opening gate. It works great. On wider endgates, you could use a pair of them.

Wayne Steinke
Positive Closing Vent Co., Inc.
Hope, N. Dak. 58046

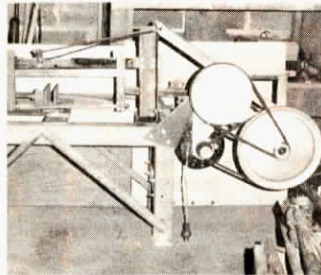
I made this 3-pt. mounted ditcher plow to ditch fields after planting for drainage purposes, make trenches for planting potatoes,



and to dig potatoes in the fall. I used the double shovel from a horse-drawn plow, bolted to a pipe frame. It digs a trench about 5 in. deep and at 6 or 7 mph it throws dirt out away from the trench.

Edwin Mattix
Rt. 1, Box 23A
St. Elmo, Ill. 62458

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION			
FOR THE YEAR ENDING 1988			
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There are many different designs for power hacksaws on the market but nothing like the one I built in my farm shop. Most of the parts came from a junked clothes dryer. The motor is underslung to balance the weight of the saw mechanism. Two large pulleys gear the power down to work the back-and-forth saw mechanism at a rate of about 50 strokes per minute. It uses conventional hack saw blades and cost less than \$10 to build. It works so well I enjoy just watching it work.

John T. Lindberg
Box 339
Lyons, Neb. 68038



I built my own tractor-pulled dump trailer from an old dual-wheel truck. The trailer is 10-ft. long by 5-ft. wide and 2 1/2 ft. high with wood slatted racks installed in the stake pockets. I use it to haul wood, silage, gravel and rocks. Unlike a dump truck, it doesn't need an expensive license or insurance - my farm insurance covers it.

I removed the truck's differential and floating rear axle, then drilled holes in the axle housing so I could grease the bearings. I cut the truck frame to support the box and used 2-in. angle iron to build a frame for the wooden plank floor. A wagon box scissor hoist, powered by a home-built 4 by 10-in. hydraulic cylinder, lifts the box. The outside dual wheels, 9.00 by 20's, match the tractor's wheel tracks.

The trailer is small enough that I can pull it with any chore tractor. It's also safer than rebuilt dump truck boxes that are powered by a pto operating a hydraulic pump. Their size and weight makes them dangerous going downhill.

Allen Rollins
HC Rt. Box 418
Motley, Minn. 56466

Thanks for the article on our All Purpose Cleaner that you mix up yourself by just adding water (Vol. 12, No. 5). FARM SHOW readers have been sending \$1 for a 16 oz. sample bottle of the product already mixed, as stated in the article. However shipping and handling charges were not mentioned. I'll be happy to send a 16 oz. sample for \$3.

Bob Keck
11525 Colerain Ave.
Cincinnati, Ohio 45247
(ph 513 385-2396)



I can pick up 15 bales at a time with this bale "grab" I built for taking bales out of a New Holland bale stack. I also use it to add three layers of bales to stacks when I'm haying. Carrying capacity could easily be increased to 18 bales for New Holland's larger self-

propelled wagon. I'm interested in building these units for sale.

Wayne C. North
Rt. 2
Pawne City, Neb. 68420



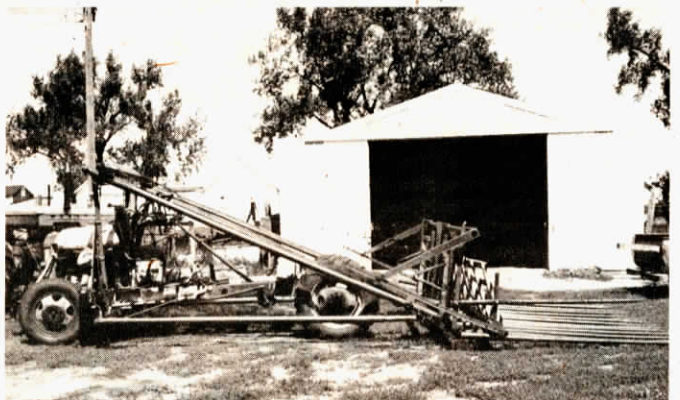
You can hang your chainsaw from a tree, fencepost, light pole, or even a pickup tailgate and work on it with both hands thanks to my new chain saw holder which I invented out of the frustration of trying to work on saws in the woods. It consists of a 60-in. nylon strap and a quick-release buckle. There's also a handy tray for placing parts during cleaning and maintenance operations. The handle bar of the chain saw snaps easily into the spring clamp on the unit. It also works great for storing the saw out of the way back on the farm. Sells for \$21.50 plus shipping.

James H. Stout
Moria Tool
9423 W. Emory Rd.
Knoxville, Tenn. 37931



I do a lot of custom work with my tag-along Deere disk and I needed a way to transport it on the highway from job to job. The transport trailer I came up with is simple and does a good job. It's made from the front axle and front part of the frame from a 1/2-ton Dodge pickup and the full frame of a 1939 International truck. Two pieces of 2-in. dia. steel pipe run across the frame, each fitted with homemade bearings and ratchets. I simply back the trailer over the disk, fasten chains from the lift pipes to the disk gangs, and then lift the disk off the ground using a 4-ft. long handle that fits into the end of each pipe. The ratchets make it easy for one man to lift the disk off the ground. Takes about 5 min. to get the disk ready for transport and about 3 min. to unhook and get ready to go to work.

Richard L. Galusha
Monroe, Wash.



I built this self-propelled hay loader in 1959 because I only had one tractor at the time for both fieldwork and feeding cattle. It was hard to get all the work done in the spring. The machine has a 1937 truck frame, a 1946 truck floating rear end, a 1946 truck transmission, a 1948 Chevrolet truck engine, a Case combine steering assembly, and an IH tractor radiator. I cut out the center of the truck wheels and welded them to tractor rims. I run a hydraulic pump directly off the crankshaft pulley using a self-centering unit off a 1938 Plymouth driveshaft. This leads

to a Model A Ford transmission which allows me to have 3 speeds to run my loader pump. That's handy at haying time when I want to raise up fast to the stack. The loader travels at speeds up to 55 mph. I use it both to feed hay and to move snow. I spent a total of \$300 to build it nearly 30 years ago and it'll still compete with any \$20,000 factory-built tractor.

Eddie J. Haman
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