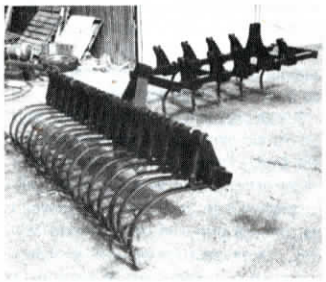
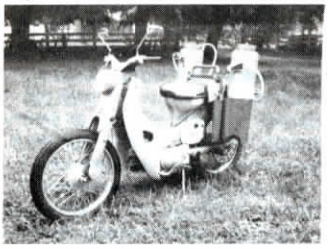
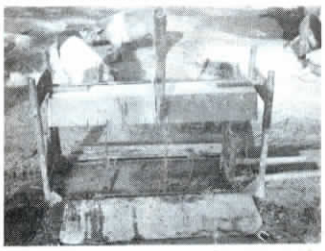


I made a heavy-duty rake out of old field cultivator shanks and 3 by 3-in. tubing. It has many advantages over commercial-built rakes because of the spring-loaded shanks, the length of the shanks and the changeable shovel points. I use it for leveling dirt, sand and gravel; raking brush or hay; cutting ditches; cleaning barn floors; and for many other chores. I like the fact that it cuts into dirt instead of sliding or bouncing like a dirt blade tends to do. ***(Don Ramsey, 103 Oak Forest Dr., Elm Mott, Tenn. 76640 ph 817 822-1330)***

Over a period of the last six months we have had to move several upright bulk feed bins on our farm due to the installation of a feed mill. First, we selected a front-end loader tractor with strong enough hydraulics to lift the empty bins. We approached each bin with the bucket tilted, so that the top and bottom of the bucket were tight against the two legs of the bin. Then we strapped a strong chain around the legs of the bin and the bucket, and cinched it securely with a chain tightener. As the bin lifted, we'd tilt it back slightly being careful not to touch any power lines. Then we'd drive it to a new location and set it in place. ***(Hand Van Ee, 4862 Bell Road, Matsqui, British Columbia)***

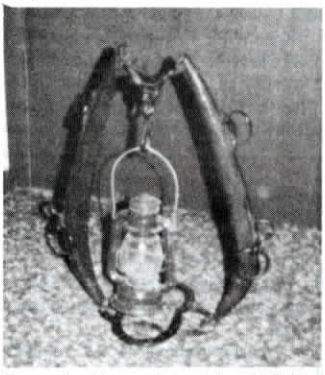


I'm sending along a photo of what I think is the best spot sprayer in the country. I've used this Honda 90 trail bike for 20 years on my farm. To make the sprayer, I made a frame out of 1-in. angle iron and fitted it with two pieces of 8-in. dia. stove pipe. Each pipe carries a 4-gal. capacity hand pressure spray tank. The pistol grip spray nozzles fit into tubes on each side made out of 2 1/2-in. dia. boiler tubing with flared upper ends. The tank carrier quickly slips on or off so I can use the scooter to check fence or round up cattle. I mounted the largest possible knobby tires on the rear and a 68-tooth rear drive sprocket to give me lots of power and traction. The bike is narrow enough to follow any cow trail and go through narrow gates. It's been worth its weight in gold on my farm. ***(Conrad Morasch, 22821 S.E. 20th St., Camas, Wash. 98607)***



I built a pig chute designed for pigs from 75 to 175 lbs. or even bigger because every so often I have a group of pigs that didn't get worked in time because of lack of help or some other reason. I'm not advocating letting pigs get this big before working them but when this happens, it sure takes the fight out of handling them. It is adjustable up and down and the headpiece is adjustable for length. It consists of an upside down trough with a tipping handle and a pivot point on each end. Chains dangle down from the sides of the trough. You herd the pig in under the trough, then hook the chains under the pig's belly, and use the handle to tip the trough and pig upside down where you can easily work on it. It works great. When you get to be 70 years old like me, you look for easier ways to do things. ***(Otto Laas, 4136 South Brownhill Rd., Brookville, Kan.)***

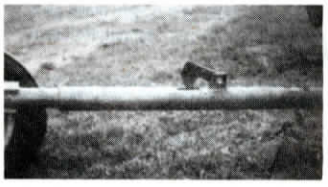
I needed a power miter saw but good factory-built saws are costly and the cheaper machines are not built for heavy-duty service. I built my own 10-in. saw for in-shop work but it's easily portable for use elsewhere. It has a comfortable operating handle, the ability to cross-cut a 2 by 6 at 90 degrees, and it didn't cost much to make. It's built of steel plate, angle iron, square tubing and used auto parts. A 3/4-hp. motor belt-drives a ball bearing mandrel mounted on a steel base. The "chop" action is provided by a front auto spindle and hub mounted horizontally on a turntable base which in turn swivels on another spindle mounted vertically providing for angle setting. Angle position is controlled by a modified brake assembly from a power tobaggan. Aside from motor, mandrel and blade, the project costs around $30 for parts since I had lots of scrap metal around the farm. With minor dimensional changes, I could easily build a 12 or 15-in. version. We can sell plans if anyone's interested. ***(M.D. Nelson, Box 27, White Fox, Sask. Canada)***



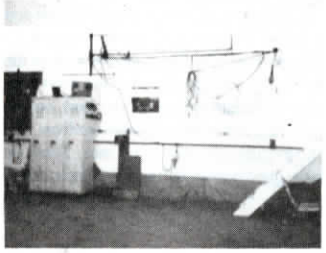
I'm sending along a photo of a lantern holder that my father, Lyall Gage, started making several years ago out of hames and horseshoes. He sells a lot of them for decks, porches or dens. He makes other items like coat racks, ashtray stands, etc., from miscellaneous parts he finds around the farm, and takes them to flea markets and shows. He's semi-retired and this makes a great hobby to fill his spare time. ***(Karen Taylor, Rt. 2, Villisca, Iowa 50864 ph 712 763-4445)***

I am in the third grade at the Wheatland Elementary School in Calamus, Iowa. I won a "Best of the Show" award in a regional invention contest at my school for a "Pig Walker" strap I invented for saving pigs that are born with straddled legs. It consists of a strap with 5 snaps on it (you buy the snaps already on material). You wrap the strap around the hind legs using the first and second snaps and the fourth and fifth snaps. This leaves a space between the legs for the pig to walk. The pig only needs to wear the strap for 2 or 3 days, just until the legs are strong enough to walk without support. If a straddle-legged pig is left unattended, it usually dies because it can't get to the udder to nurse. My Dad has used my strap several times and has saved every pig. I would like to sell this strap but I don't know how to go about it. Can anyone help? ***(Sherri Schroeder, Rt. 1, Box 125, Lost Nation, Iowa 52254 ph 319 246-2654)***

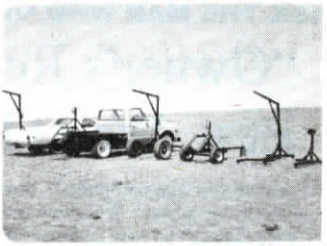
I'm looking for a company that makes watertight extensions for the fertilizer hoppers of my Kinze 900 series corn planter with dry fertilizer attachment. I contacted Distel Systems in Minnesota. They make seed hopper extensions, not fertilizer hopper extensions. An employee told me they get frequent requests for fertilizer extension but he didn't know of a manufacturer. I'm wondering if any FARM SHOW readers would know where to buy them? ***(Arden Schneckenburger, Rt. 1, Morrisburg, Ontario Canada K0C 1X0)***



This adjustable latch for telescoping wagon tongues is simple and cheap to make. The latch is about 6 in. long and 3/4 in. wide. I cut a large hole in the outside tube and made 3 holes in the inside tube for different tongue lengths. When you hook up, you raise the latch and extend or retract the tongue to put in the drawbar pin. If you retracted the tongue it'll catch automatically when you drive away. If you extended it, you'll have to back up before you pull away so the latch will catch. ***(Richard Witkovsky, 1700 S. Murray Rd., Caro, Mich. 48723)***



I made this handy swing-out light for my farm shop. It reaches out 20 ft. when fully extended and has 3 functions. First it's equipped with a 25-ft. trouble light reel. Secondly, it has a 50-ft. extension cord which lets me go anywhere in my 40 by 50-ft. shop, even upstairs. The best feature is that it has a 1/2-in. air line running out to the end of the arm to which I attach 50-ft. of 1/2-in. coiled hose. The arm saves me the hassle of tripping over cords and air hoses. I built it using odds and ends of square tubing and old IHC disc bearings. ***(Guy Mabon, Box 355, Notre Dame, Manitoba, Canada R0G 1M0 ph 204 248-2085)***



I built my "Shop Hand" for use around the shop. It has 6 different configurations as shown in the picture. 1. Engine Stand: Holds engines up to 800 lbs. for disassembly and assembly. Adapter rotates 360°. 2. Engine Hoist: For removing and installing engines. 3. Truck Mounted Boom - Three bolts quickly mount boom in pickup bed. 4. Tow Truck: Lifts one end of full-size or smaller car or truck for towing. 5. Boom Trailer: Lifts up to 1,00 lbs. to remove, install and transport engines. 6. Tow Trailer: Same function as tow truck but mounts on axle assembly behind tow vehicle. I sell plans for do-it-yourselfers. ***(Dan Kunau, P.O. Box 233, Calhan, Colo. 80808 ph 719 683-3781)***

FARM SHOW never wears out. We still get inquiries about our air cylinder water pump that was featured in your Vol. 9, No. 1 issue in 1985. Instead of powering the cylinder directly via a rod connected directly to the windmill, our cylinder uses air from an air compressor which is belt-driven by the windmill shaft. This gives you the option of locating the well in one spot and the windmill in another. We've run systems with the well located as much as 200 ft. away from the windmill. I thought it might interest your readers to know that we now have detailed "do it yourself" plans available as well as the cylinders themselves. ***(Harold Stoddard, Box 603, Walsh, Colo. 81090)***

Owners of Ford pickups, Broncos and vans will be interested in "Luke's Link", our do-it-yourself kit that lets you rebuild expensive tie rods rather than replace them. Ford pickup owners have been complaining for 20 years about the high cost of tie rods and drag links that continue to wear out. Because of the high replacement cost, many owners have attempted unsafe repairs such as cutting the end off and welding on a good end from another tie rod. We've discovered that the reason for joint failure is not the lack of lubrication but the failure of the spring that holds the joint tight. Luke's Link consists of a new cast iron cap and steel plug that encase the joint. It's fitted with a heavy-duty spring that's adjustable to maintain the correct pressure on the stud in the socket. And the nylon bushing is made from the toughest material on the market today. The kit can be easily installed using a portable hand grinder with the tie rod still on the vehicle. Takes less than 10 min. While drag links and tie rods for Ford trucks and vans cost from $70 to $160 apiece, Luke's Link sells for less than $25. On a 4-WD Ford truck, for example, the cost of replacing all tie rods and drag links would be about $430. If you used Luke's Link, total cost would be under $125. You wouldn't throw away a driveshaft if all it needed was a U-joint. ***(Johnnie Laucus, Luke's Link, P.O. Box 446, La Junta, Colo. 81050 ph toll-free 800 525-7813)***

Although we enjoy much of what you print it seems you have a personal vendetta against Harvestore silos. There are over 80,000 Harvestore owners, the majority of whom praise Harvestores. The farmers in this area certainly seem to prosper from owning Harvestores and ours has performed well for us. Every product has people who have problems, even John Deere. Show a little fairness and print a positive story about Harvestores. ***(Dean Glenney, Rt. 5, Dunnville, Ontario, Canada)***