

read anything more helpful and accurate than FARM SHOW. (Don F. Brislen, Attorney at Law, 201 Twelfth St. N.W., Albuquerque, New Mexico 87102)

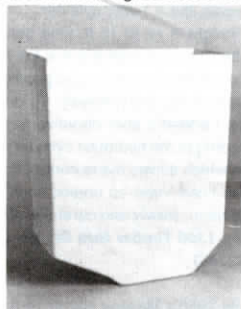


The idea of building a winch to mount on a tractor 3-pt. is not new. However, the way I made mine is different. I used an old John Deere sickle mower frame fitted with a hydraulic winch I bought at a junkyard for \$100. I welded it onto the mower frame. The winch fit perfectly between the frame. It works great for pulling trees out of the creek and for skidding small trees for firewood. Total cost was just \$150. (T.C. Prestin, Rt. 1, Wenona, Ill. 61377)

I came up with this add-on furrow opener for Crust Buster and Great Plains grain drills myself because I wanted to be able to plant soybeans, milo, wheat and even corn with the same piece of equipment. It makes a furrow and leaves a clean seedbed free of trash and clods. Attaches quickly with one bolt. Blades are heat-treated and have two bearings per blade. After our neighbors saw how well the furrow openers worked, they wanted us to build them a set so we started building them to sell. We have a patent on the idea.



We also make fiberglass inserts for grain



drill seed boxes on Great Plains, Crust Buster, Deere, and Case-IH drills. They're for use when you don't need a box full of seed. Most of our inserts hold 35 to 50 lbs. of seed and attach with one bolt in the bottom. (Joe Elmenhorst, OJ Drill Conversion, Rt. 1, Box 159, Moran, Kan. 66755 ph 316 237-4379)



Thanks for including a segment on our "hot rod" lawn mowers in your latest new "Best of FARM SHOW Video - Volume II". We modify riding mowers into low riding rigs that look like a hot rods. Our modification

includes a sickle mower up front that can be fitted with an electric motor to actually cut grass. You can convert a conventional riding mower into a "Pro Street Lawn Mower" for less than \$200. We have a detailed video that sells for \$29.95 (plus \$5 shipping and handling) that shows you how to do it. (Mark Madson, 8729 East Little Lane, Clinton, Wis. 53525 ph 608 676-4283)



We're saving time, money, and operating more safely with a manure hauler we put together a few years ago out of a truck and fuel delivery tank. We were looking to replace the worn out 3,000-gal. trailer tank we used to pull with a tractor, when we decided a truck would be a more efficient way to go. We found a used Canadian-made tandem axle truck with 250 cu. in. Cummins engine. Next, we found an aluminum fuel delivery tank with 1/4-in. thick sidewalls. The tank, which mounts on the rear truck frame, had two storage compartments - 1,900 gals. and 1,500 gals. We had the divider removed to make one main 3,400-gal. tank and overhauled the truck's engine. Then we ran a shaft from the truck's pto to a six-bladed fan underneath the tank's gate to throw manure. The gate opens and closes electrically. We haul approximately 400 loads of manure a year in the tank truck and it works great. We're saving time and money by hauling 400 more gals. of manure per load than we did before. Plus, it's a lot safer than pulling a wagon with a tractor since we live in a hilly area. (David Hoover, 772 Carroll Rd., Patton, Pa. 16668)

We make special feeder chain rollers for Case-IH combines that stop the noise from chain slap. The rubber rollers are 4 in. in dia. and 3 in. long, fitted into steel sleeves with ball bearings inside. They install by drilling holes inside both sides of the feeder house just ahead of its double wall and underneath the top section of chain on outside rows. This lifts the chain up 1/4 in. so it stops chain slap and all the racket that causes. We've been selling the farmer-invented roller kits for three or four years now, and we know they work perfectly on Case-IH 1400's and 1600's. We suspect they'd work on other makes of combines as well. The kits sell for \$250 (Canadian) installed. Kit includes two rollers, two spacers and two bolts to install them. (Harry Watson Farm Supply, Ltd., P.O. Box 310, Picture Butte, Alberta, Canada T0K 1V0, ph 403-732-5658; fax 5348).



I wanted the portability of a feeder wagon coupled with the accuracy of a TMR mixer, but couldn't use any of the portable TMR units I looked at. For one thing, I couldn't justify the expense. For another, most portable units were much bigger than I needed and you still had to hook them up to a trac-

tor, which made them impractical for daily use in our custom Holstein heifer raising operation.

So I bought a new Knight 3170 TMR mixer with 170 cu. ft. capacity for \$8,000 and mounted it on the back of a pickup. It was a 1974 Ford F-250 4-WD that had a pto shaft attached to the transmission from when I used it to unload chopper wagons. The TMR mixer lent itself to mounting on the back of the pickup better than I'd ever dreamed. For example, the mixer's driveshaft is right above the pto so the two were easy to hook together. Likewise, the discharge door is right up by the cab so you can easily keep an eye on it while unloading. The only rather tricky part was driving the mixer with pto instead of the electric motor that was intended to drive it. (I purchased the mixer without the electric motor.) We solved that problem by attaching a pulley to the pto shaft and another on the mixer's motor and belt-driving it. We drive the mixer between 400 and 500 rpm's when running the truck's engine at 1,000 to 1,200 rpm's, as indicated by the tachometer in the cab.

Since there was already some reinforcement of the rear frame to accommodate the pto, we didn't have to modify the frame whatsoever to mount the mixer on the pickup with U-bolts. In fact, we didn't even have to weld anything. Overload springs already on the rear truck axle easily handle the unloaded, 3,000-lb. weight of the mixer, plus the 2,000 or so extra lbs. when loaded. The only real fabricating we had to do was to make fenders we can stand on out of steel plate. With a computerized scale mounted inside the truck's cab, we're able to tell exactly how much and what we're feeding, and we're not tying up a tractor while we're doing it. It's worked great for feeding tons of feed since we converted the truck and mixer last year. (Gary Hagen, 1048 30th Ave., Amery, Wis. 54001 ph 715 268-2450).

We apply a special plastic coating to a lot of different surfaces - pickup boxes, wood floors, delivery trucks, truck boxes - to in-



Photo shows new urethane coating on edges of grab rollers on sugar beet lifters. crease wear and longevity. The product is called Line-X 350, a new urethane coating. We apply it with plural component, high-pressure sprayers. We've found it especially useful on grab rollers on sugar beet lifters. Rollers don't wear nearly as fast and they won't chip as many beets when they're treated with the plastic. So far, stainless steel is one of the few surfaces we've tried Line-X 350 on with less-than-satisfactory results. Line-X 350 costs \$5.99 per sq. ft. plus finishing. We're willing to try it on just about anything. (Crocketon Welding and Machine, Hwy. 75 South, P.O. Box 377, Crookston, Minn. 56716 ph 218 281-6911; fax 7255).

Thank you for the story on our pressure-fed roller mill (Vol. 19, No. 3). However, there's one problem. Randall Vanrobaeys is inaccurately listed as the distributor.

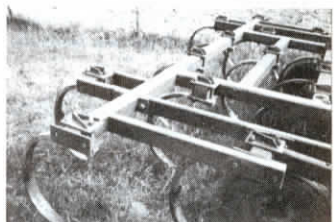
People interested in the product should contact us directly. (Ray Cressman, New Concept Industries, Box 578, Lanigan, Sask., Canada S0K 2M0 ph 306 365-3375)

I just spent an enjoyable evening reading FARM SHOW. The article on getting rid of beavers bothered me, however.

In 1978, our area was hit by a tornado and a beaver habitat was destroyed, so they moved to the creek in my back yard. They immediately took down a couple of trees so I had to beaver-proof the rest. I made a mix of 1 gal. of Jalapeno peppers, 1/2 gallon Wesson oil, 1 pint dish detergent, six onions, six heads of garlic and used my wife's blender to mix it. I painted all the trees that I wanted left alone. It really worked. About a week later I repainted a few more and then washed the brush out in the pond without thinking. The pepper oil floated on the pond and irritated the beavers' eyes and the next evening they were gone, never to be seen again in our area. I think people can make areas inhospitable to beavers without killing them.

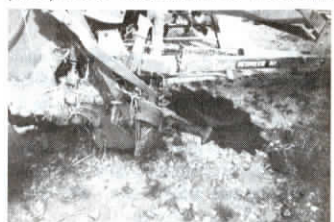
I used to go outside at night with a big flashlight and watch them. My 5-year-old girls thought it was really neat to be so close to them. I think killing them with ammonia and chlorine may be cruel. If you have to kill them, use carbon monoxide fumes. It's just as lethal but not as cruel. (Dan Krenzel, 510 Elizabeth St. N.E., Cullman, Ala. 35055).

I modified my Sunflower 14-ft. chisel plow after I had a problem with crop residue plugging up between the shanks and wheels, especially in damp conditions. I made two steel frames and mounted them at the back of the chisel plow to move the shanks back



15 in. I also moved the shanks next to the wheels back about 10 in. Now it works a lot better.

I used scrap steel to make a pair of gathering wheels for my Vermeer 605D round baler. They help pick up loose hay that the pickup would otherwise miss. The 20-in.



dia. wheels were prototypes from Hesston. They have steel centers surrounded by injection-molded plastic. The feathered edges on the wheels roll hay into the baler. To mount the wheels, I made a pair of steel brackets and welded them onto each end of the pickup. Each bracket is made from 1/4-in. thick, 1 1/2-in. wide flat iron with a 1-in. dia. hole through it to mount the wheel arm. A nylon flange bushing is mounted on the end of each arm.

Continued on next page