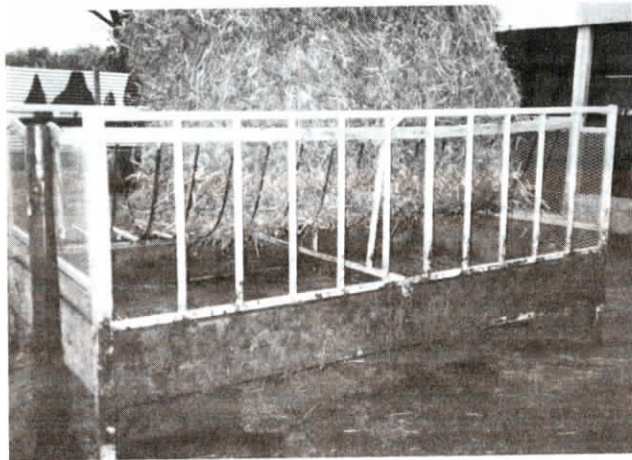


## Made It Myself

*(Continued from previous page)*



### Hay Rake Tines Used To Feed Big Bales

Tines from old dump rakes can be used to make low-cost big bale feeders, says Matt Fordyce, Alta, Iowa.

Fordyce mounted the rake teeth inside a frame made from square tubing. The frame is 5 1/2 ft. wide, 9 1/2 ft. long, and 5 ft. high and has vertical steel bars spaced 8 in. apart on the sides and steel mesh panel on both ends. The rake basket is 4 ft. wide (Fordyce cut the teeth in half and welded 8-in. extensions between each split tooth) and 8 ft. long and sits about 1 ft. above a wooden floor.

"It keeps feed waste to a minimum," says Fordyce, who built the bale feeder last fall. "I had been using a conventional

round bale feeder, but I didn't like how much hay my cattle wasted. There was twice as much waste with the round bale feeder. The basket tines are only about 6 in. apart so they keep cattle from taking too big a bite. There's 18 in. of space between the bottom of the rake basket and the frame so any hay that cattle drop falls onto the floor where they can eat it up later. I got the rake from a neighbor and spent less than \$100 to build the feeder frame. I can use it to feed out round bales and 4 by 4 by 7-ft. bales."

Contact: FARM SHOW Followup, Matt Fordyce, 413 Peterson St., Alta, Iowa 51002 (ph 712 284-1052).



### "Pushable" Tractor Lift Boom

When Verdell Gnuse first built this "pushable" lift boom to use with his tractor, he equipped it with a hand-pumped jack. He later replaced the jack with a hydraulic cylinder hooked into tractor hydraulics and it became one of the most-used pieces of equipment around his Arlington, Neb., manufacturing plant.

The 2-wheeled lift boom hitches to a tongue welded to the front of a Deere 3020. A hydraulic quick coupler is positioned just above the tongue.

The lift arm has a fold-out extension. When the arm is fully extended, it'll lift to

a maximum height of 20 ft. When the extension's folded back, the short lift arm lifts loads up to 9 ft. The short arm can handle more weight. The lift cylinder can also be adjusted by changing its position as needed to lift more or less weight to varying heights.

The support frame is made out of steel pipe with corners reinforced by plate steel. The boom is made out of reinforced channel iron and steel tubing.

Contact: FARM SHOW Followup, Verdell Gnuse, First & Elkhorn, Arlington, Neb. 68002 (ph 402 478-4433).



### Big-Wheeled Liquid Manure Spreader

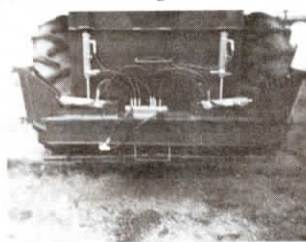
Keith Miller, New Paris, Ind., designed this liquid manure spreader and then built it from the ground up with the help of a local metal shop.

"I had them build the tank out of 1/4 and 3/16-in. steel and then I painted, plumbed, and finished the unit myself. The tank holds 3,000 gal. plus but is just 12 ft. long due to the flared-out square sides that extend out over the wheels. Overall width is just 8 ft. It's mounted on an axle from a Ford 630 combine. The 23 by 26-in. flotation tires require just 27 lbs. of air.

"The short length limits 'pitching' back and forth and the large tires make the unit easy to pull. I can handle it with an 80 hp. tractor.

"There are 8 holes on 30-in. centers drilled into the rear folding boom, which has telescoping wings made out of PVC pipe, giving a uniform spread with less smell than a solid cover of manure.

"There's a hydraulic cylinder on each boom and a cylinder on each of two slide gates on either side of the back end of the



tank. All cylinders are activated at once by a single set of hoses from the tractor that run to a 'distributor' mounted on back of the tank.

"Total cost, including labor, steel, paint (epoxy inside), cylinders, hoses, etc., was just \$5,100, or about half the cost of a similar size commercial-built unit. I could make blueprints available if there's enough interest."

Contact: FARM SHOW Followup, Keith Miller, 21919 CR 46, New Paris, Ind. 46553 (ph 219 831-2860).



### Stock Trailer Fitted With Weigh Scale Axles

"It lets me take the scale to the cattle rather than the other way around. That saves a lot of time when you have pastures located in several different areas," says Jerry Zabolotny, Killdeer, N. Dak., who turned an old stock trailer into a portable weigh scale with the help of Wade Bice, also of Killdeer.

The two men replaced the trailer's original tandem axles with Arts-Way weigh bar spindles - of the type ordinarily used on Arts-Way grinder mixers and feed boxes. Then they built an axle assembly between the two spindles, patterning the construction after the way the weigh bar spindles are built into Artsway equipment.

Information from the electronic axles is fed to a computerized weigh monitor mounted on the side of the trailer. Zabolotny uses the monitor off his Arts-Way

grinder mixer. When not needed for weighing cattle, he moves it back to the grinder.

"It's accurate to within 2 lbs. Works great for weighing yearlings before a sale. If needed, you can weigh 7 to 8 yearlings at a time to get an average weight," says Zabolotny. He installed a non-slip industrial fiberglass floor in the trailer which he says is "practically indestructible".

Because it has just the single axle and no leaf springs, the trailer is no longer used to haul anything. Zabolotny says he spent about \$800 for the electronic Arts-Way axle assemblies (Arts-Way, P.O. Box 288, Armstrong, Iowa 50514 ph 712 864-3131). He estimates he could build and sell weigh trailers for about \$4,500.

Contact: FARM SHOW Followup, Jerry Zabolotny, HCR 3, Box 27, Killdeer, N. Dak. 58640 (ph 701 863-6789).