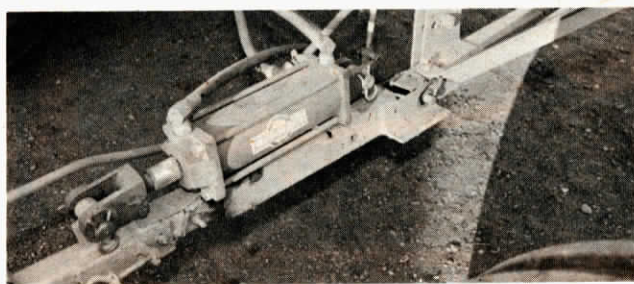


Made It Myself

(Continued from previous page)



Adjustable Width Spray Boom

"By adjusting a hydraulic cylinder I can move the right half of my 8 row, front mounted spray boom in or out 8 in. to keep 18 in. wide pre-emergence herbicide bands centered over "guess" rows, says John Day, Randolph, Minn.

Day uses a 4 row planter, making it necessary to use a sprayer that can compensate for "guess" rows.

The 8 row spray boom mounts onto the subframe of Day's 4020 Deere tractor, just behind the front wheels. Mounted to the boom's main 2-1/2 by 2-1/2 in. bar, just to the right of the tractor, is one end of the 3 in. hydraulic cylinder. The other end is mounted to a 2 in. by 2 in. bar supporting four spray nozzles. As the hydraulic cylinder moves in or out, the telescoping 2 by 2 in. bar moves with it.

There are 12 in. dia. caster wheels on both ends of the spray boom to keep it level. Day, who plants on 36 in. rows,

says banding herbicide saves him "\$10 to \$12 per acre on soybeans, and \$8 to \$10 per acre on corn. What's more, when you're spraying eight rows that aren't mates, you can't band accurately without an adjustable width spray boom like this. Also, you've got to be able to see what you're doing. With a front mounted spray boom, if I plug a nozzle, I can spot it immediately.

"The nozzles are located 13 in. above the ground. By lowering them a bit, I could make a 13 in. band and save still more on herbicide costs," Day points out.

Spraying 8 rows at 6 mph, Day can cover 14 to 15 acres an hour. Both halves of the spray boom can be manually folded upright so they're out of the way for travel.

Contact: FARM SHOW Followup, John Day, Rt. 1, Randolph, Minn. 55065 (ph 507 645-5040).



Do-It-Yourself "Hand Brake"

"Many older series tractors are equipped with hand brakes. The trouble is that it's easy to leave them on and burn out the brakes. Dealers tell me they're hard to fix and that they usually don't stay fixed if they're repaired. I rigged up my own brake 'latch' for my 600 Series IH tractor and it works great," says Larry Johnson, Jackson, Ohio.

"The latch consists of a 6-in. hinge bolted to the running board. A 10-in. long flat plate bolts to the other end of the hinge. Holes are drilled in the plate for different settings of the brake. A small rod, welded to the left brake casting, fits into the different hole settings to hold the brakes. The brake can be easily released with your foot."

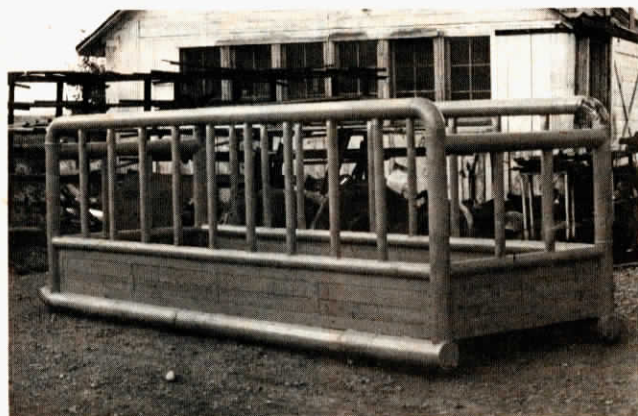
Silage Chopper Spout Control

The motor, gear, control switch and wiring from the power window of an old car now electronically raise and lower the spout on Harold McCutcheon's New Holland 770 silage chopper.

McCutcheon, who farms near Harrison Valley, Penn., "updated" his 15-year-old chopper because he was tired of raising and lowering the spout. "I always had problems reaching the hand operated control lever behind the tractor cab. The lever was connected to a cord that controlled the spout's vertical movement so I could load the front or rear of the wagon."

But to operate the lever, McCutcheon had to tilt the rear window open, reach under the window and twist his arm to grab hold of the lever. McCutcheon removed the window motor and gear, which were bolted together, from an old car as well as the control switch and wiring. He mounted the motor and gear on the silage chopper, tying the control cord to the gear. He then mounted the control switch inside the cab. To raise and lower the spout, McCutcheon simply presses the control switch to activate the motor and tilt the spout up or down the same way it raised or lowered the car's power windows.

Contact: FARM SHOW Followup, Harold McCutcheon, Rt. 1, Harrison Valley, Penn. 16927 (ph 814 334-5611).



"Super Bowl" Bale Feeder

"We needed a hay feeder that could stand up to heavy abuse and that would reduce waste by encouraging cattle to keep their heads inside the feeder rather than pulling out to chew," says Pete Johnson, Ballantine, Mont., who built his own feeder 5 years ago.

The base of the feeder is made out of 6-in. dia. steel pipe 15 ft. long with 45° angle elbows welded to the front end of each. Both ends are capped with 5/16-in. thick steel plate. There are three 6-in. dia. cross pieces, 48 3/4 in. long - one is centered and the other two are 12 in. from each end. Four 4-in. dia. pipes, 46 in. long, were welded to each corner with 90° elbows on top. Two 4-in. pipes run the full 15 ft. length of the top of the feeder. Two more 4-in. pipes run the

length of the feeder about 41 in. above the 6-in. runners. There are nine 2-in. dia. uprights on each side on 17-in. centers and two uprights on each end on 24-in. centers. A 3 in. dia. pipe runs all around the inside of the feeder about 14 in. above the bottom runners. Tongue and groove flooring out of an old truck box attaches to the 3-in. pipe to close in the bottom of the feeder. Two 2 by 12-in. planks - nailed together at a 90° angle - make a "cone" down the center of the feeder.

"We've used this feeder for five years. It's needed no repair in that time and has practically eliminated waste," says Johnson.

Contact: FARM SHOW Followup, Pete Johnson, Rt. 1, Ballantine, Mont. 59006 (ph 406 967-6204).

"Road Grader" Shop Shears

"I built this hydraulic metal-cutting shears using two 3-ft. sections of cutting edge from a road grader blade. A 4 by 8-in. two-way hydraulic cylinder provides the cutting power, fastened to one end of the blade. I plug it in to tractor hydraulics but it could easily be powered with a small hydraulic pump.

"A screw-down holder keeps metal in place while making the cut. It'll handle 36-in. wide, 1/8-in. thick sheet metal and can cut up to 3/8-in. thick metal 6 in. wide if placed at the lower end of the blade.

"The hydraulic shears has wheels under it so I can roll it out of the way when not in use."



Contact: FARM SHOW Followup, James H. Miller, Box 16, Rt. 1, Arena, N. Dak. 58412 (ph 701 943-2648).



Bale-Hauling Frame For Trailers

A simple bale-hauling frame made out of 2-in. dia. pipe lets Ed Harrell, Claude, Texas haul six big round bales on a 16-ft. dump trailer.

The frame extends 12 in. wider than the 8-ft. bed and tilts the bales slightly inward

so the bales don't have to be tied in place. They'll roll right off when the bed is dumped. When not needed for bale-hauling, the add-on frame can be easily unbolted from the trailer bed.