

## Power Steering For Farmall Tractor

Randy Tiede, Culdesac, Idaho, added power steering to his International Farmall Super M tractor by using the power steering pump off a Deere 95H combine and the hydraulic steering cylinder off an International 151 combine.

"Without power steering I could hardly steer the tractor when I put a front-end loader on it. Now I can steer it with one finger," says Tiede, who mainly uses the tractor to lift seed boxes and to pick up rocks. "It works so good that several neighbors have copied the design."

The power steering pump is powered by the same fan belt that drives the water pump. Tiede added a pulley onto the power steering pump, then made an angle iron bracket and bolted the pump to the top of the governor housing. He also

installed a longer fan belt to drive both pumps. He cut off part of the steering arm in order to install the steering cylinder and control valve. He welded a 1/2 by 6-in. steel plate onto the front axle and cut a hole in it for the tie rod. When Tiede turns the steering wheel, the steering linkage opens and closes the control valve, which causes the steering cylinder to extend and retract to turn the wheels.

"I used the steering cylinder off the International 151 combine because the cylinder and control valve are one unit," says Tiede.

He paid \$25 each for the hydraulic cylinder and power steering pump.

Contact: FARM SHOW Followup, Randy Tiede, Rt. 2, Culdesac, Idaho 83524 (ph 208 924-5807).



## Welded-On Grain Auger Hopper

Edward Houle simplified the job of grain handling on his Pickardville, Alberta, farm by welding a fill hopper to the bottom end of his grain auger and making a simple 3-pt. hitch attachment that makes moving the auger easier.

By welding a home-built hopper right onto the auger tubing, Houle eliminated the chore of having to move the hopper separately every time he moved the auger to a different granary. A small sliding trap door on the bottom end of the hopper makes it easy to clean it out and let water drain away.

"Once you've finished emptying a

truck, there's only about a gallon of grain left in the hopper," says Houle.

The hopper is mounted on Houle's 10 3/4-in. by 50-ft. auger. Since the auger is too heavy to move by hand, he fitted a hitch to the bottom end of the hopper which he can hook up to with an L-shaped hitch attachment mounted on his tractor 3-pt. The hitch arms lower the attachment to the ground for hook up so Houle doesn't have to lift the auger by hand. When not in use, attachment folds up out of the way.

Contact: FARM SHOW Followup, Edward Houle, Pickardville, Alberta, Canada (ph 403 349-2346).

## New-Style Fly Trap

"It catches flies by the thousands with no need for strong-smelling and expensive chemical baits," says Frank Gonsior, Central City, Neb., about his "natural bait" fly trap.

The new fly trap consists of a four-legged screened cylinder with a screen mesh cone inside, mounted with the big end down. The top of the cone has a 2-in. dia. opening. Banana peelings, rotten apples, peach skins, old tomatoes, strawberries, or other pieces of garbage are placed in a container directly under the inverted cone. When flies attracted to the food take off, they right fly up through the cone and into the trap, then can't find their way back out.

"There are no smelly liquid baits and no chemicals which makes it safe to use around the house or in livestock buildings," says Gonsior. "Any kind of garbage can be used - the older the better. The flies eventually die and fall onto the floor of the trap where they dry up. Dead flies can be emptied out by removing the lid on top and holding the trap upside down. It also catches any kind of bugs or

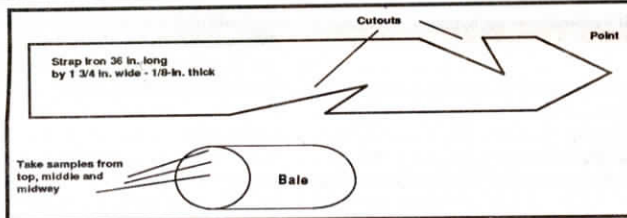


moths."

The frame of the trap is made out of 3/4-in. plywood. The screen mesh is held in place by aluminum strips around the top and bottom.

Three different sizes are available. A 14-in. high, 6-in. dia. model sells for \$14, a 20-in. high, 12-in. dia. model sells for \$20, and a 28-in. high, 18-in. dia. model sells for \$30.

Contact: FARM SHOW Followup, Frank Gonsior, Rt. 2, Box 208, Central City, Neb. 68826 (ph 308 548-2603).



## Easy-To-Make Hay Probe

This easy-to-make probe lets you gauge the quality of hay bales you're buying or selling without opening up a bale.

J.J. Dupont, Fenn, Alberta, made the probe out of a 36-in. long piece of 1 3/4-in. wide strap iron. The 1/8-in. thick probe is stiff enough to slip into even the tightest bales. Dupont sharpened one end to a point and made two angled cuts in either side to snag hay as the probe is pulled out of the bale.

"It'll pull back a good-size sample. I recommend taking a sample at the outer edge of the bale, midway between the outer edge and center of the bale, and at the center," says Dupont, noting that you can bolt two pieces of wood onto the back end of the probe for a better grip, if desired.

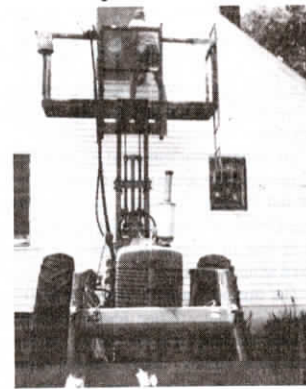
Contact: FARM SHOW Followup, J.J. Dupont, Box 7, Fenn, Alberta, Canada T0J 1K0 (ph 403 742-4373).

## "Best Labor-Saver On My Farm"

"I put a forklift mast on the rear of my Farmall M and attached a 2 by 8-ft. platform to the forks. It works great for painting farm buildings, roofing, repairing overhead doors, erecting buildings, and doing many other jobs. It's the best labor-saver on my farm," says Larry Gangnes, Argusville, N. Dak.

"The work platform raises 12 ft. off the ground so you can paint up to 19 ft. off the ground safely without a ladder. There's a hydraulic control on the platform that lets you lower it without running the engine. We keep this on the tractor all year round."

Contact: FARM SHOW Followup, Larry Gangnes, 16377 28 St. S.E., Argusville, N. D. 58005 (ph 701 282-4083).

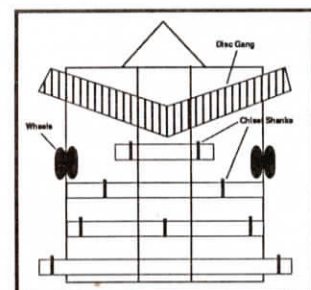


## He Built His Own Disk-Chisel

Lloyd Santjer, Sacred Heart, Minn., saved a lot of money by converting a 12-ft. IH 500 disk into a disk-chisel that he says works as well as any commercial rig he could have bought.

He first removed the rear disc gangs, leaving the front two gangs in place. Then he bolted four lengths of 4 by 4-in. sq. tubing to the top of the disk's angle iron frame and fitted 9 chisel shanks to the lengths of tubing, arranged in a V-shaped pattern. The staggered shanks have about 16 in. of clearance between them.

"It works great. Shanks are fitted with 4-in. twisted shovels set so each half of the 'V' throws soil inward to compensate for soil that the disk throws out. The



center shank mounted on the third bar has a straight shovel."

Contact: Lloyd Santjer, Rt. 2, Box 38, Sacred Heart, Minn. 56285.