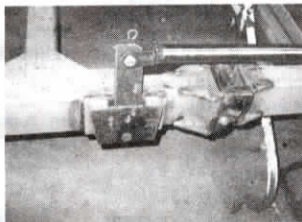


### 46 1/2-Ft. Folding Field Cultivator

"I couldn't find a field cultivator on the market as big as I wanted so I built my own," says John Dewey, Penfield, Ill., about the 46 1/2-ft. field cultivator he built last year.

The cultivator has a 20-ft. center section and two 13-ft. wings. Dewey used 4 by 6 steel tubing to build the cultivator frame and 4 by 8 tubing to build the tongue. He used 2 1/4 in. sq. tubing for the crossbars. There's 20-in. spacing between shanks. Wings are folded by two 4 by 24-in. hydraulic cylinders. A Buster Bar harrow and a 5-bar drag harrow are mounted on back. There's also room for a sprayer boom.

"It's built heavy and lets me cover a lot of acres fast," says Dewey. "I use a 300 hp IH 4568 4-WD tractor to pull it. I had been using a 25-ft. disk, but I wanted to switch to a field cultivator because I knew it would do a better job of fluffing up the ground and incorporating pre-plant herbicides. It also doesn't pack the soil as much. However, I couldn't find a field cultivator over 30 ft. wide. Most of



the ones on the market are smaller and built too light.

"I looked at a lot of cultivator models and used their best features to build my own. For example, the cultivator's four rows of shanks were designed for an International 45 Vibra Shank cultivator. I copied the center transport axle design off an International 490 disk.

"It's built good and level because while building it I used a transit rod to keep the center section and wings level. I spent only about \$8,000."

Contact: FARM SHOW Followup, John Dewey, Rt. 1, Box 10, Penfield, Ill. 61862 (ph 217 595-5535).

Some of the best new products we hear about are "made it myself" innovations born in farmers' workshops. If you've got a new invention or favorite gadget you're proud of, we'd like to hear about it. Send along a photo or two, and a description of what it is and how it works. Is it being manufactured commercially? If so, where can interested farmers buy it? Are you looking for manufacturers, dealers or distributors? (Send to: FARM SHOW, Box 1029, Lakeville, Minn. 55044)

*Harold M. Johnson, Editorial Director*

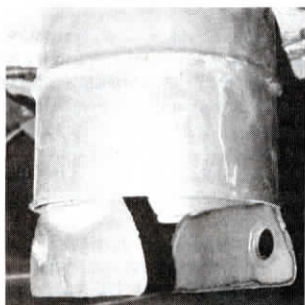
### Planter Hopper Extensions Made From 30-Gal. Drums

"It lets me almost double seed capacity on my Deere 7000 Max Emerge planter," says E. Lynn Overboe, Kindred, N. Dak., who uses 30-gal. steel drums to make removable seed hopper extensions for planting soybeans.

Overboe first cuts a drum in half, then cuts part way through the solid ends on each half, peeling the flaps back so they'll fit inside the seed hopper. The sides of the drum rest on top of the hopper.

"It increases hopper capacity by 1.6 bu. of soybeans per row and is a nice way to use up old chemical drums," says Overboe. "It's much cheaper than buying commercial hopper extensions. There are no fasteners and the drum rests on top of the hopper so there's no spillage. There's no cover so if it looks like rain I don't use the drums. I remove them at the end of the day and put the hopper lids back on. I don't use the entire drum because I'm not sure the press wheels could take that much weight. I use them only for soybeans."

Contact: FARM SHOW Followup, E. Lynn Overboe, 16493 St. S.E., Kindred, N. Dak. 58051 (ph 701 428-3276).



### Portable 20 by 40-Ft. Building Made Out Of Irrigation Pipe

Nebraska farmer Doug Allemang took a look at all the old irrigation pipe available in his area and figured there had to be a way to make use of it. He decided to put up a 20 by 40-ft. metal building using the pipe as framework. He even fitted the building with wheels so he can tow it to a new location, if needed.

"Except for the corrugated tin, which we bought new, everything comes from one old irrigation system, including the wheel assembly to transport the building. We used pipe from an old center pivot system and angle iron cross bars came from the support truss on the same system. I used angle iron at all the pipe splices to increase support and boxed all the angle iron splices with steel tubing. All pipe joints are 'butt joints' that I

made using a metal pattern that I would clamp to the pipe and then cut around. Resulted in excellent fits.

"Rafters are spaced 8 ft. apart and sidewall uprights are 10 ft. apart. I made the building portable because I live on a rented farm. To transport it, I run a pipe across the bottom of the door and put a set of wheels on a base beam and hook up behind a 4-wheel drive.

"There's a flat metal plate at the bottom of each corner. A buried 4-ft. truss rod comes up through the center of this plate to anchor the building down. I'm in the process of building a bi-fold door."

Contact: FARM SHOW Followup, Doug Allemang, HC60, Box 12, Bartlett, Neb. 68622 (ph 308 654-3440).

