



Hydraulic Motor Drives Grain Augers

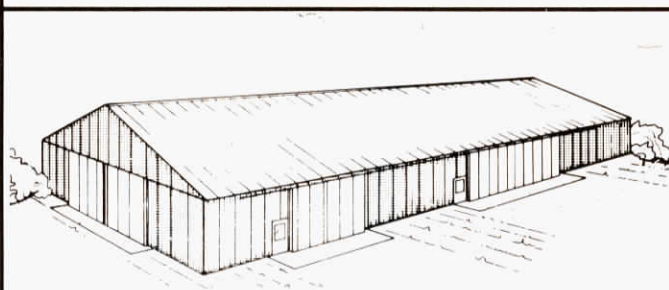
A hydraulic motor provides the power to run the withdrawal grain auger on Mike Becker's farm near Gypsum, Kan. Mike made the mounting bracket for the hydraulic motor, which replaces an electric motor. The control valve on his tractor lets him adjust to the exact rpm needed.

"The money for the hydraulic motor was well spent because, in minutes, I can remove it for other uses. For example, I can switch it to a 4 in. auger, then mount that auger diagonally in the truck box for in-field filling of fertilizer into planter or grain drill boxes. The hoses get extremely hot when used for this particular application because the tractor is hot, and so is the weather in the spring. One time,

fertilizer packed in and around the auger flitting. The motor almost burned up the belt before we noticed it was slipping. A quick reverse of the motor loosened up the fertilizer and all went smoothly again," Mike points out.

He has hand-made brackets for neighbors who wanted a similar hydraulic drive system and is now considering producing a universal bracket which interested farmers could buy, along with the hydraulic motor, hose and other necessary components for a complete kit.

For more details, contact FARM SHOW Followup, Becker Machine Shop, Mike Becker, Route 1, Gypsum, Kan. 67448 (ph. 913-536-4567).



Build Your Own Machine Shed

Do-it-yourself plans for a machine shed with a farm shop at one end have been developed by the Midwest Plans Service, made up of agricultural engineers from the 12 Midwest Land Grant universities.

The plans are for a 40 x 104 ft. long pole-frame building with a 14 ft. high sidewall. The roof construction is for clearspan trussed rafters spaced on 8 ft. centers. Purlins are used for framing over the poles and outside sheathing is fastened to this framing.

Three doors are included in the basic plan — a 20 ft. wide endwall door, plus 16 and 24 ft. wide doors in a side wall. These door locations, however, can be moved to meet individual needs. Door framing and header

construction is shown in the plans.

Also included are details for a shop area located at one end of the building, with complete details on equipment location, lighting, insulation and heating specifications.

Farmers in the midwest can obtain the plans through their county agent offices. Ask for plans no. MW-74143 — "40 ft. Pole Machine Shed". The plans also can be ordered direct by sending \$3.00 to: FARM SHOW Followup, Midwest Plans Service, Agricultural Engineering Department, Iowa State University, Ames, Iowa 50010.

"Made it Myself"

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?

Harold M. Johnson, Editor

Home-Built Bean Buggy

"Cost per acre, compared to hiring help to walk bean fields, is so much cheaper it's not even comparable," says Rollin Barnett, Iowa farmer and inventor of a home-built "bean buggy" that mounts on the front of his tractor loader. Riders stand up on the carrier platform and "shoot" weeds and volunteer corn with spray guns loaded with 2,4-D.

"The sprayer guns, purchased at a local hardware store, are made from parts from Hudson hand sprayers. I operate them at 20 lbs. or less pressure. The 2,4-D mixture is about the same as if you were spraying corn with a regular sprayer," explains Rollin. He made the carrier from angle iron salvaged from an old windmill. The carrier measures 8 ft. across, 1 ft. wide at the bottom and slightly wider at the top for the comfort of the passengers. Two brace arms run from the top of the carrier to the main loader frame.



The entire carrier mounts with only two bolts.

"Under the bottom of the carrier, I welded two strap irons that loop under the loader bucket," explains Rollin. "When I was finished with it last summer, I drove it into the machine shed, raised it up to the ceiling trusses, tied it up and backed away. When I want to use it again, I can just drive into it."

If you'd like to build one and need a few construction tips, contact: FARM SHOW Followup, Rollin Barnett, Earlham, Iowa 50072.