

## "Easy-On" Dual Tire Changer

Mounting or dismounting duals is a 5 min. job on the Clarence Reiss farm near Wilcox, Neb., thanks to the "easy-on" tire changer he designed and built with the help of his father.

The changer consists of two self-supporting stands, one on either side of the tractor, that reach out and grab the tire while the operator fastens or unfastens the lug nuts. When the duals are not in use, they hang in storage on the ramps — there's no need to ever handle them.

"I change duals 5 or 6 times a year because I can do it with so little effort. This lets me adapt to changing field conditions and to whatever operation I'm performing in the field," explains Reiss.

Each tire stand has a vertical and horizontal control. The horizontal control consists of a narrow steel washer on the end of a shaft connected to a control wheel. The rim of the tractor tire rests on the washer and by spinning the control wheel, the tire can be spun into position. This shaft is supported by heavy strap iron to an overhead carriage arm. A wheel raises and lowers the tire and the carriage rolls back and forth on the steel pipe.

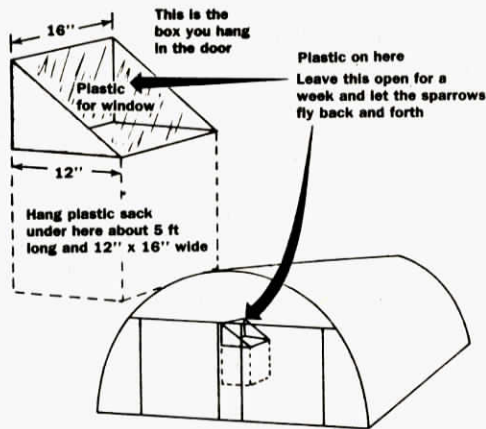
Reiss leaves the two tire changing stands in the same spot in his farmyard. He drives the tractor in between the two



stands and onto two special-built ramps that support only the inner tires, leaving the outer dual free to slip on or off. When the tires are hanging in storage, he straps them down with a piece of chain.

The tire-changing rig was built primarily from scrap metal. If you have more than one tractor outfitted with duals, and you plan to have both duals off at the same time, you'll have to find a way to dismount the tires from the stands for storage.

Reiss says he'll be happy to help anyone build their own set of dual changers. **Contact:** FARM SHOW Followup, Clarence Reiss, Rt. 1, Wilcox, Neb. 68982 (ph 308 478-5229).



Drawing courtesy Grainews, Winnipeg, Can.

## Low-Cost Sparrow Trap

I had lots of problems getting rid of sparrows. Not anymore. Catching them is easy with a box as shown in the picture. Open your quonset door 16 inches and put the box in the top of the door. Place plywood over the rest of the door, leave a hole open on top and let sparrows fly

back and forth for a week or 10 days. Then close the hole with clear plastic and hang a plastic sack under it. As the sparrows fly out in the morning, they will hit the plastic window and drop in the sack, and are trapped.

J.S.W.  
Sask., Can.

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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 704, Lakeville, MN 55044).

Harold M. Johnson, Editor



## One-Auger Grain Distribution System

"Necessity is the mother of invention," says Harlan Johnson, Litchfield, Minn., who designed and built a unique grain auger pivot that connects his center bin with four other bins and completely eliminates the need for an expensive grain leg distribution system.

Johnson had built two bins and wanted to expand. But, he didn't like the prices of auger legs. This led him to design an auger pivot for his center bin that revolves 360° on an angle iron track built around the bin. The track, and the catwalk below, are independently supported on legs that extend to the ground. The system isn't fas-

tened to the bin at all.

Johnson's bins vary in size from 24 to 30 ft. but the distance from center hole to center hole is 32½ ft. The auger transfers easily in minutes by raising the auger out of the bin and swinging it, by hand, to the next bin.

The auger is powered by a 2-h.p. electric motor. To dump grain in the center bin you simply turn the auger off and open the bin door.

Johnson estimates his total cost at \$1,600 which included the auger and electric motor.

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