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FARM SHOW Magazine
P.O. Box 1029
Lakeville, Minn. 55044

Semi Trailer Converted To Big Capacity Grain Hauler

“We use my home-built, tandem axle grain wagon to haul corn from the field to our grain dryer. I built it several years ago out of an old semi trailer, at a cost of less than \$3,000,” says William Davis, Masontown, W. Va.

The wagon holds about 500 bu. of corn and is equipped with a rear-unloading auger at the bottom. It weighs about 9,000 lbs. empty and almost 40,000 lbs. when fully loaded. Davis pulls it behind an IH 2 plus 2 tractor with 170 hp.

The wagon’s running gear, tandem axles, and air brakes came off the semi trailer. He used 10-in. channel iron to build a frame that attaches to the tandem axles. He used 4 by 8 sheets of 14-ga. steel and 3 and 4-in. channel iron to build the box, which is supported by 4-in. vertical “ribs”. Channel iron was also used for the tongue. A homemade cable and pulley system, connected to a hydraulic cylinder, is used to activate the brakes.

Davis used a length of 6-in. dia. well casing to house the unload auger, which operates off tractor hydraulics. “I cut a series of 12-in. wide slots about 1 ft. apart into the casing and covered them with sliding metal doors, which I can manually open or close by turning a screw on back of the wagon. Makes it easy to control the flow of grain,” says Davis.

Contact: FARM SHOW Followup, William Davis, 1250 Long Hollow Road, Masontown, W. Va. 26542 (ph 304 435-9622; car-olynbuchman@gmail.com).



William Davis used the running gear from an old tandem axle semi trailer to build this 500-bu. rear-unloading grain hauler.

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