

Made It Myself

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Photo courtesy The Tupper

Tilt-Bed Trailer

Kenny Bartels and Vic Mercer, Canton, S. Dak., teamed up to build a special tilting trailer for skid steer loaders. It has a 4-ft. deck in front of the bed to carry attachments.

To load, a lever releases a latch to let the back of the bed drop down. As you drive the loader on, its weight automatically tilts the trailer into the travel position. To unload, release the latch and drive off.

One-eighth inch thick open mesh expanded steel in the tread area provides traction for loading and lets dirt fall through.

Although designed for skid

steer loaders, the trailer can also be used to haul lumber, steel, hay and other machinery. It could also be built larger for hauling tractors, notes Bartels.

The bed is 16-ft. long and 6-ft. 1-in. wide between the fenders. It has stake pockets around the edges for adding side panels.

A surge-type hydraulic brake built into the hitch applies braking action whenever the towing unit slows and the trailer pushes against the ball hitch.

Contact: FARM SHOW Followup, Kenny Bartels or Vic Mercer, B & M Mfg. and Repair, 208 W. 5th St., Canton, S. Dak. 57013 (ph 605 987-5794).



Truck Box Clean-Out Auger

"It's always been hard to clean out the corners of the truck box, especially when hauling high moisture corn," says Kevin Byrnes, Riceville, Iowa, who built his own hand-cranked clean-out auger.

"First, I took the unloading auger off an Allis Chalmers 66 pull-type combine. It was the perfect length for our Omaha Standard truck box. I cut the auger in half, stripped the flighting from the bottom half that's fitted with a square-ended shaft, keeping the greasable bushing holders from the original auger end. These serve as holders for the auger when you install it in the box. Install these

holders, 3 in. up and in from the back corners of the box (3 in. is half of the auger's 6-in. dia.) so the auger runs from corner to corner across the back of the truck. You have to purchase 3½ ft. of left hand flighting to replace the flighting you stripped off half of the auger so, that by turning the auger in one direction, both sides pull grain to the center door opening.

"Extend the square end of the auger shaft out through the side of the box and make a crank to fit. Almost any auger or components can be used to make this clean-out auger. We haven't been inside our truck since we installed it."



Home-Built Tractor Loader

"My old tractor loader had good traction and steering but was unstable and light in the rear so that it would tip and spin easily when loaded. The loader also made the tractor unhandy for other uses. So, I got out my drawing board and began to design a loader," says Erling Faleide, Heimdal, N. Dak. The loader he designed has the following features:

- Articulated power steering for precision steering.
- Four-wheel drive with wide stance for good traction and stability.
- Up-front seat and controls for good visibility of the bucket.
- A variety of ground speeds, particularly a fast road gear to save time.
- Accepts a standard tractor loader.
- Built from cheap and readily

available truck parts for economy.

• Big enough to handle large rocks and big round bales.

• A clutch, brake, throttle, steering and shift pattern identical to that of a 2-ton truck for easy driving.

"I've used this loader for 7 years and it outworks conventional tractor loaders hands down. It could be built with other transmissions, transfer cases, and so on, but I've prepared builder's plans to be used as a reference to show dimensions, engine and transfer type, axle mounts, and so on, that will be a great help to anyone building this type of loader. The plans sells for \$8.25."

For more information, contact: FARM SHOW Followup, Erling Faleide, Heimdal, N. Dak. 58342.



Combine Crop Sprayer

Earl Metcalf, Cherokee, Okla., made a crop sprayer from an old self-propelled 1954 Oliver combine.

"I've used this sprayer for six years with very little trouble.

"I came up with the idea because I wanted a self-propelled sprayer and the old combine wasn't being used. I removed nearly all the tinwork and everything that had to do with threshing crops. I mounted a 300 gal. tank on the frame and used a roller type pump. The 9-in. pulley that runs the pump

mounts on a shaft that once powered the combine cylinder. I mounted a 12-in. pulley on the pump itself. A boom fitted with jet spray nozzles is mounted on rear and all controls are mounted next to the tractor seat. The sprayer is also equipped with a hand-held spray gun with 50 ft. of hose attached for spot spraying fence rows, and also to spray cattle."

Contact: FARM SHOW Followup, Earl Metcalf, Rt. 1, Cherokee, Okla. 73728.