



Jerry Ewell converted a 1964 IH 1200 series 3/4-ton, 4-WD pickup into this 6-WD model that's equipped with walking beam rear axles and a 12-ft. long steel flatbed.

## 3/4-Ton Pickup Converted To 6-WD

"It wasn't easy to put together, but I'm glad I did," says Jerry Ewell, Jackson, Tenn., who converted a 1964 International 1200 series 3/4-ton, 4-WD pickup into a 6-WD model that's equipped with walking beam rear axles and a 12-ft. long steel flatbed.

The flatbed is equipped with a headache rack with chain hooks for easy binding of loads.

Ewell built the pickup after reading a story in FARM SHOW about a Wyoming man who built a heavy-duty 6-WD pickup from a 3/4-ton model (Vol. 22, No. 1).

"I built it as a challenge. It's not designed for heavy-duty work, but it makes a great all-around truck for general purpose work."

Ewell already owned the 1964 pickup. He also had a similar 1965 International model which he had bought for parts. He removed the bed and cut the frame off the 1965 pickup in front of the axles and welded it to the back end of the 1964 model. The 1964 pickup's original rear end chain-drives the add-on rear end via a jackshaft and sprocket that mount on the main driveshaft.

Ewell used 1 by 3-in. heavy channel irons and 2 by 4-in. heavy rectangular steel tubing to build a frame for the flatbed. He used 1/8-in. deck plate to make a floor and 1 by 2 rectangular steel tubing to make stakes that support 2 by 4 wood sideboards.

The pickup is powered by its original 6-cyl. gas engine.

"It does the work of a new 1-ton 4-WD pickup that would cost \$30,000 or more," says Ewell. "I spent about \$1,100 to build it,



Pickup's original rear end chain-drives the extra rear end that Ewell added.

mostly on brake parts and machine work on driveshafts. I added another set of shift levers inside the cab to engage or disengage the far rear axle, which allows me to put the pickup in 2-WD, 4-WD, or 6-WD. I use 2-WD on the highway, with only the mid axle driving. When I switch to 4-WD I can have either the two rear axles driving or the front and mid axles driving."

Ewell started working on the project five years ago and just finished building it this spring. "The biggest problem was that the two rear ends had different gear ratios. The 1964 model has a 4:77 rear end while the 1965 model has a 4:11 rear end. I finally figured out the proper combination of sprockets to get the two rear ends to run them together."

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## Wind-Resistant Sign Easy To Put Up

"We got the idea in FARM SHOW and then adapted it for our own use," says Fred Markert, Tallula, Ill., who used a homemade, wind-resistant sign to advertise sale events on the farm. The swinging sign is made entirely of 2-in. dia. PVC pipe.

"We put the sign up about 3/4 of a mile from our home. It sits on top of a 6-ft. high pipe and swings back and forth in the wind. It has brightly colored ribbons on it so it's hard to miss," says Markert.

The sign's PVC pipe frame measures 2 ft. sq. and has a large flared coupling at the bottom. The coupling slips over a 4-in. dia. pipe that's 6 ft. tall and anchored in the ground. The sign itself consists of a 1/2-in. thick piece of plywood fitted with vinyl letters. The top of the plywood hinges to the PVC pipe by lengths of plastic-coated wire.

"At the end of the day, when our sale is over, we go get the sign and bring it back home. It's a simple job to remove it from the



Swinging sign is made entirely of 2-in. dia. PVC pipe. It sits on top of a 6-ft. high pipe and swings back and forth in the wind.

anchored pipe," says Markert. "We had been using a bigger sign on the same pipe that wasn't designed to swing back and forth. It didn't work very well because in high winds it almost bent the pipe."

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Starr Graham came up with a low-cost bale hauler for his Deere 2240 2-WD tractor by welding a pair of 2 1/2-ft. long steel tines to the back side of the loader bucket.

## Bucket-Mounted Bale Forks

By welding a pair of 2 1/2-ft. long steel tines to the back side of the loader bucket on his Deere 2240 2-WD tractor, Starr Graham came up with a low-cost bale hauler.

The tines came with the bucket and were originally designed to mount on front of it to handle manure. Graham spaced them 3 ft. apart on the back side of the bucket. To load a bale, he simply tips the bucket down and pushes the tines into the center of the bale.

"It works slick for loading bales onto wagons. As I pick the bale up, the bucket comes right up under it to support the bale," says Graham. "I can stack bales three high on the wagon. I use it with 850-lb. bales, but I think it would handle bigger bales just fine. It works better than bolting tines to the front edge of the bucket, where the bale sticks way out in front and can make the tractor tippy."



Tines stick up at a 60-degree angle when bucket is level.

"The tines stick up at a 60-degree angle when the bucket is level."

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Using mostly scrap materials, Mike Grace built this 7-ft. long, 54-in. dia. yard roller.

## "Yard Roller" Made Out Of Metal Water Tank

"I built it entirely from scrap materials which kept the cost way down," says Mike Grace, Elberon, Iowa, about the pull-type "yard roller" he made out of an old water storage tank.

The yard roller measures 7 ft. long and 54 in. in diameter. A steel pipe runs all the way through the center of the tank and is connected to a frame made from 3-in. dia. pipe. Both ends of the pipe that goes through the tank fit inside short lengths of larger pipe, forming an axle.

Grace uses his Ford 8N tractor, which is equipped with big turf tires on back, to pull the roller.

"I use it to smooth out earthworm mounds

in my yard and also bumps caused by winter thawing and freezing," says Grace. "The 3-in. dia. pipe that I used to make the frame was steam pipe salvaged from a house. I fill the tank only about half full, which is about 4,500 lbs. That's about as much weight as my tractor can handle without spinning the rear turf tires when turning.

"To reinforce the tank I crawled inside and welded a series of metal fence posts across it, but I don't think it was necessary. I also cut out several pipe outlets and welded them shut."

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