

Loader Tractor With Telescoping Boom

"It has the maneuverability and versatility of a forklift with the power of a loader tractor," says Jake Langer, St. Paul, Minn., about the forklift-loader tractor he built using the frame of a 1970 Chevrolet 2-ton truck.

The boom telescopes 4 ft. and can be fitted with a bucket or forks. The bucket reaches 10 ft. high. Langer spent just \$1,000 to build it and says there's nothing on the market that works as well.

He stripped the truck down to the rear axle and part of the frame. He lowered the frame and mounted a 12-in. wheel on back. The truck's original 7.50 by 20 truck tires were left on in front. He turned the axle upside down to reverse the truck's 5-speed transmission. Power comes from the truck's 140 hp 6-cyl. gas engine. The

engine chain-drives a hydraulic pump and also chain-drives a shaft that runs back to a gear reducer mounted on the front axle.

Two hydraulic cylinders are used to lift the boom, one is used to telescope it, and one is used to tilt the forks or bucket.

The seat came from an old car and is supported by a large automotive coil spring for a smooth ride. Langer used sheet metal to build the hood, grille, and fenders. He says he'd be willing to custom-build the forklift-loader if there's interest.

Contact: FARM SHOW Followup, Jake Langer, Truck Utilities & Mfg. Co., Inc., Truck Utilities & Mfg. Co., Inc., 2370 English St. at Hwy. 36, St. Paul, Minn. 55109 (ph 612 484-3305).

"High Rise" Baby Pig Mover

"It makes it easy to move baby pigs from our farrowing building to our nursery without crowding them," says Harold Trettin, Rockford, Iowa, about the "high rise" baby pig mover he built with the help of his son and sons-in-law.

The "high rise" pig mover is 46 in. wide, 65 in. tall, and 22 1/4 in. deep and consists of eight steel cages stacked four decks high. A center partition divides each of the four decks into eight 22 1/2 by 22 3/4-in. boxes. Each box holds four baby pigs, and there's a door on the end of each cage.

"We use it to move 3-week-old baby pigs from our 1,200-sow farrowing building to our nursery five miles away," says Trettin. "Once loaded, the pig mover is rolled into a covered van. The relatively small compartments make it easy to catch the pigs for unloading."

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Harold Trettin, Rockford, Iowa 50468 (ph 515 756-3800).

Heavyweight No-Till Row Marker

Adding 60 lbs. of weight to row markers is an easy way to make a furrow that's easy to follow, even in no-till ground, says David Drake, Girard, Ill.

He says the markers on his Great Plains drill bounced around too much, especially when planting no-till beans in rough cornstalk ground.

He added weight in two ways. First, he cut a circular weight out of 3/4-in. steel and inserted it behind the collar on the marker disc. The second thing he did was to insert a solid steel 1 by 1-in. bar inside



the end of the marker arm.

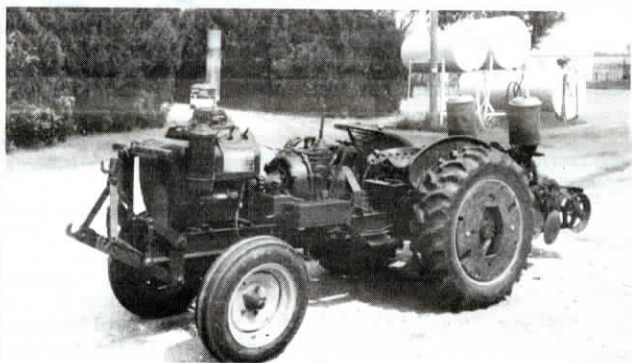
Contact: FARM SHOW Followup, David Drake, RR, Girard, Ill.

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Harold M. Johnson, Editorial Director



25 Hp Utility Tractor Has Front, Rear 3-Pts.

"I built it to use in my garden and around the yard. I spent less than \$300," says Dean Clark, Waukomis, Okla., who used scrap material to build a 2-WD tractor equipped with both front and rear 3-pts.

The tractor is powered by a 25 hp Wisconsin 4-cylinder air-cooled gas engine. It has 9.00 by 24 tires on back and 15-in. ribbed tires in front. The front axle is made from 2 1/2-in. sq. steel tubing and the rear axle is off an old Ford 1-ton truck. The tractor is fitted with a pair of 4-speed transmissions.

"It's handy for doing a lot of different jobs," says Clark, who built the tractor last winter. "Works great for mowing my lawn, planting, cultivating, etc. I modified a 5-ft. wide lawn mower for use on the front 3-pt. and also modified a 5-ft. cultivator that can be used on front or back. I use a 2-row McCormick-Deering lister planter on back to plant sweet corn. I can also use a 5-ft. harrow and a 12-ft. sprayer on back. I use the sprayer for controlling weeds along fences and around my yard.

"Either 4-speed transmission by itself

would have been geared way too fast, especially with the big rear wheels. The two transmissions provide 16 forward speeds - 17 when both transmissions are put in reverse which provides the slowest speed. It has 4 reverse speeds. I use a separate gearshift to operate each transmission and a hand-operated clutch to run the mower."

The rear tires didn't have much traction so Clark bolted 300-lb. wheel weights (salvaged from the rear wheels of an IH tractor) into the tractor's rear wheels to improve traction. The steering sector is off a Massey Harris 21 combine. He mounted a hydraulic pump on the side of the engine which is used to operate the 3-pts. They're raised or lowered by 2-in. cylinders. He used steel tubing to make 3-pt. lift arms.

The seat is off a horse-drawn dump rake. The fenders were salvaged from an International tractor. Clark used 5-in. channel iron to build the frame.

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