



"I can load straw bales on-the-go and have a load in as little as 5 to 7 minutes," says Jerry Jansen, who converted an old 2-ton truck into this self-propelled bale hauler.



Truck is equipped with a lift arm that mounts direct to truck frame. Jansen can load and carry ten 5-ft. bales or twelve 4-ft. bales at a time.

Big Bale Truck Loads And Unloads

Jerry Janssen doesn't like wasting time when it comes to hauling big round bales. That's why he modified a 1965 Chevy 2-ton truck to load and carry 10 5-ft. bales or 12 4-ft. bales. Once loaded, he can zip down the road at 40 mph.

"I can load straw bales on-the-go and have a load in as little as 5 to 7-minutes," says Janssen. "Hay takes a little longer because it's heavier so I have to stop at each bale."

He got the idea from a neighbor with a pull-behind bale-loading trailer, says Janssen. "It worked real well but I didn't want to tie up a tractor."

Also the owner of a machine shop in

Barnesville, Minn., Janssen started out by building a model out of wire. He finished it on the computer with a computer aided design (CAD) program.

The challenge was to pick up a bale perpendicular to the truck and lift it into place behind the cab. Without the CAD software, he says it would have been nearly impossible to figure out.

Once on the truck, the bale is released and a small kicker arm mounted on the truck frame kicks the bale to the opposite side of the bed where it rests against a bar. Once a second bale is loaded in place, a pusher plate or bucking bar behind the cab moves the bales

down the bed, preparing room for the next two bales.

Once the bed is full, Janssen hauls the bales out of the field to a storage location and raises the truck's original hoist. He then activates the bucking bar to push the load of bales off the bed. The bar is attached to two chains on sprockets, similar to the apron chains on a manure spreader.

"Everything is run off an engine-driven hydraulic pump, controlled by a series of solenoid valves activated from the cab with electric switches," explains Janssen.

Janssen made the lift arm out of various sizes of tubing supported by 1-in. steel plate.

It mounts direct to the truck frame. The main bed is made out of 8 by 2 by 3/16-in. tubing with 5 by 3 by 3/16-in. tubing for cross supports.

Janssen estimates he has about \$5,000 in the truck and loader, not counting labor. "I extended the track frame 5 feet and spent about \$1,000 on the bale bed. The hydraulics were all new and cost about \$1,500, while chain, sprockets and paint ran about \$750. The truck itself cost \$500."

Contact: FARM SHOW Followup, Jerry Janssen, 23062 Hwy. 34, Barnesville, Minn. 56514 (ph 218 493-4470).



Gas or oil-powered dual-fuel unit automatically kicks in when wood fire dies down. Can be attached to any outdoor furnace.

Add-On "Dual-Fuel" Unit For Wood Burning Furnaces

"Our new dual-fuel unit is designed to work with any outdoor wood burning furnace. It lets you burn natural gas, liquid propane, waste oil or fuel oil instead of wood. Or, you can burn any of these fuels and wood at the same time to increase the furnace's heating capacity," says Mark Setzer, HeatSource 1, Beatrice, Neb.

The dual-fuel "SideKick" mounts next to an outdoor wood burner and is simply plumbed into the water jacket around the firebox. It's available as an option to the company's outdoor wood burning furnaces or as an add-on to any other brand of outdoor wood furnace. It can be equipped to burn virtually any liquid fuel.

"It gives you the flexibility and convenience to burn a variety of fuels," says Setzer. "It automatically kicks in if you choose not to refuel your furnace with wood, or if you're gone. You can burn wood only, back up fuel

only, or a combination of the two. It's a natural backup system for anyone who has a propane tank on their farm - if you run out of wood, the propane burner will automatically kick in. It works great if you go on vacation during the winter, because you can use another fuel to heat your home, shop or garage without missing a beat. It also comes in handy for heating large buildings during extremely cold weather when the wood burning furnace alone can't keep up. Burning two different fuels at the same time greatly increases the heat output."

The unit comes in four different colors: green, brown, tan, and charcoal.

Sells for \$2,195.

Contact: FARM SHOW Followup, HeatSource 1, 207 Market, Beatrice, Neb. 68310 (ph 888 628-3533; email: info@heatsource1.com; website: www.heatsource1.com).



Bill Bower used the frame of an old school bus to make this bale-hauling trailer. He lengthened the frame 22 ft. and made a tandem axle, fifth wheel dolly on front.

"School Bus" Trailer Hauls 30 Bales

Missouri farmer Bill Bower can haul up to 30 1,200-lb. round bales at a time on his home-built trailer.

"I have a full-time trucking job and farm with my dad, who's getting up there in years. I needed a way to move hay fast, but the new bale wagons on the market were too small and too expensive," says Bower.

So he bought the frame of a 1965 Chevrolet 66-passenger school bus at a salvage yard for \$250 and lengthened it out 22 ft. by welding part of a truck frame onto both the front and back. He mounted two axles under it on back. The rear-most axle is off a 2-ton truck while the axle just ahead of it came with the school bus frame.

To pull the trailer, he made a tandem axle fifth wheel dolly that allows him to use his Minneapolis Moline 120 hp, 2-WD tractor to pull the trailer. He mounted the kingpin plate out of a semi trailer under the front axle, then mounted the running gear off an old New

Idea manure spreader on front of the axle.

He welded 8-ft. lengths of 8-in. dia. well casing pipe crosswise on top of the frame, spacing the pipes 4 ft. apart so he can set 4-in. dia. pipe would have worked fine but he got a deal on the 8-in. pipe.

"At times I've hooked two small wagons behind it and hauled 50 bales at a time," says Bower, who built the rig two years ago. "The entire rig, including the dolly, measures 64 ft. long. I put two rows of bales on the lower level and a single row on top. I can turn fairly sharp with it, although I do need a fairly wide gate when turning into fields off the road."

"I spent about \$750 to build it. The biggest commercial bale hauler I could find can only haul 12 bales, and it sells for about \$4,500."

Contact: FARM SHOW Followup, Bill Bower, 68 Idlewood Rd., Elkland, Mo. 65644 (ph 417 345-6593).



He can haul up to thirty 1,200-lb. round bales at a time on the trailer.