

Twin-Tie Kit For John Deere Balers

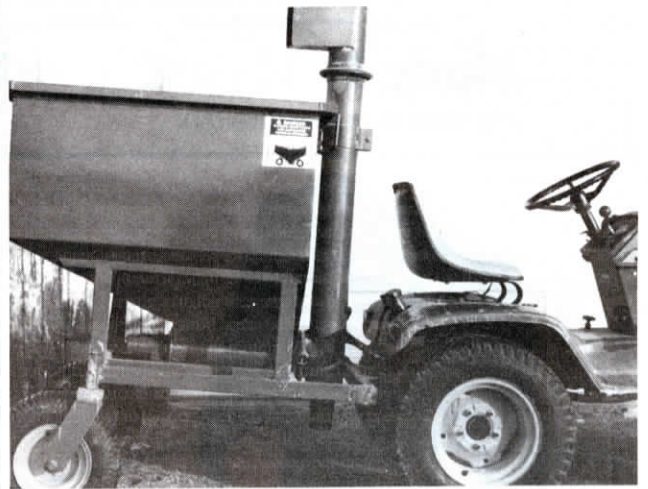
New twin tie kit for Deere 530 round balers lets you tie bales almost twice as fast, according to farmer and manufacturer Clint Watson, Scandia, Alberta.

The twin-tie kit replaces the baler's single-tie arm with two twine-tie arms that wrap the bale at the same time. It ties each bale in 1/2 to 1 1/2 minutes, depending on the number of wraps and spacing of twine. The kit includes two twine arms, gear, and bracket; two twine knives and brackets; two twine boxes (each holds four balls of twine); and the guides. You remove the original single twine arm and bolt the new twine arms on. Sells for \$1,000 (Canadian).

Watson also came up with a clever way to unplug belts on his baler. "Dry, short straw and corn stalks often rolled around

inside the bale chamber for a long time and broke up, causing the belts to tighten and the baler to plug up. To solve the problem in the past, we manually locked the endgate shut, then activated the hydraulic cylinders that are used to open the endgate. The cylinders remain in position, but the belt tension arms are still free to move which slackens the belt tension and allows plugged-up material to feed into the baler. To make the job easier we installed an electric car door lock on the manually operated hydraulic valve on the baler's endgate. The electric car door lock is wired to a switch in cab and lets us lock the endgate without getting off tractor.

Contact: FARM SHOW Followup, Clint Watson, Box 85, Scandia, Alberta, Canada T0J 2Z0 (ph 403 362-2249).



Garden Tractor Auger Feed Cart

"It lets me feed 120 sows in about five minutes," says Jerry Moore, Winthrop, Iowa, who designed this 700-lb. auger feed cart for his garden tractor because his artificial hip couldn't stand the strain of lugging 5-gal. pails of feed to sows.

A pto-operated hydraulic pump mounted on front of the tractor is used to operate a pair of orbit motors mounted on the cart. The orbit motors power a floor auger as well as a vertical unloading auger.

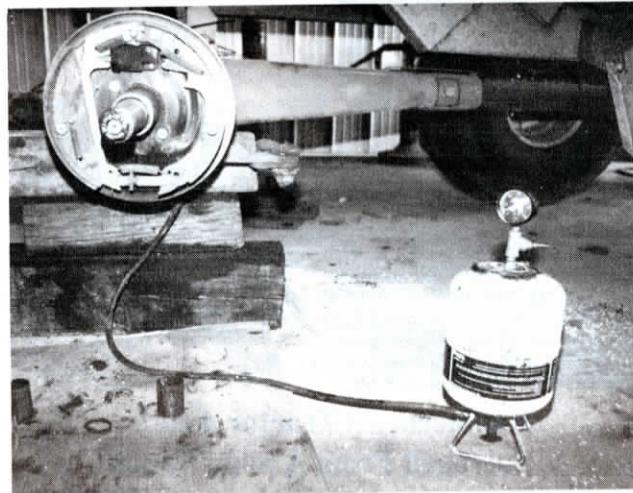
"I use it to unload feed into concrete bunks on both sides of an alley. The unloading auger can be directed to left or right. Cart is bolted rigidly to the back of the tractor which lets me back up straight.

"I use the electric switch that activates the pto and drives the hydraulic pump to

turn the augers on and off. I bought the lawn mower new for \$500 and spent \$350 to build the cart. It could be adapted to an ATV by mounting a gas engine and hydraulic pump on the cart."

The hydraulic pump is belt-driven off the pto. Moore built a 4-gal. oil reservoir that looks like tractor weights and mounted it on front of the tractor. He used sheet metal to build the cart and mounted a pair of garden tractor tires on back. He salvaged the orbit motors from an old feed truck and the augers from an old bin filling auger system. The hydraulic pump came from a junked skid steer loader.

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Power Brake Bleeder

Old freon cylinders used to fill air conditioner compressors work great for adding fresh brake fluid to power brakes, says Mike Kilmer, Vermillion, Minn., who modified a 1/2-gal. freon cylinder with the help of Bill Herlinger.

He uses the tank upside down, drilling a 1/2-in. hole in the bottom of the tank to install a T-valve that's fitted with a pressure gauge and an air hose fitting. A valve on the top (now bottom) end of cylinder is used to regulate the flow of brake fluid. A rubber fuel line clamps to the valve and pushes fluid into brake lines. Cylinder's

handles form a base to stand on.

"It saves a lot of time because one person can operate it," says Kilmer. "Normally it takes two people to add fresh brake fluid because you need one to pump the brake pedal. I fill the tank with brake fluid and hook an air compressor hose up to the air hose fitting. It'll work on any kind of power brake. I've used it on gravity wagons, trucks, and even old school buses converted to haul hogs."

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Baby Pig Work Cart

An ordinary shopping cart makes a good work cart for baby pigs, according to South Dakota farmer Jason Malsom, who carries up to eight baby pigs at a time in the cart.

What makes the cart work so well is the way he mounted a 2-ft. long piece of 4-in. dia. pvc pipe - cut in half - on top of the cart. He lays pigs on their backs in the pipe to work on them.

"It eliminates the need for a second person to hold baby pigs and allows one person to do castration and vaccination chores, etc.," says Malsom, who has a farrow-to-finish operation.

Malsom paid \$10 for the cart which he bought from a local supermarket. He cut



the pipe in half lengthwise and placed it open side up on top of the cart, then wired each end down. He lays a piece of plywood in the bottom of the cart.

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Labor-Saving Feed-And-Water Wagon

"My feed-and-water wagon lets me feed and water 175 sows in half the time it took before," says Gary Malone, Palisade, Neb.

Malone mounted an old combine hopper and a 300-gal. water tank on the frame of an old 1-ton International pickup, with the hopper on top of the water tank. Feed gravity-flows from a slide chute on one side of the hopper. Water also flows out by gravity through a faucet on one end of the tank. Malone fills 5-gal. buckets which he dumps into troughs alongside quonset-type farrowing huts in his pasture.

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