



Eddie Angelovich used the back part of the bed on an old New Holland pull-type, small square bale wagon to build this hydraulic-operated dump trailer.

Hydraulic Dump Trailer Built From New Holland Bale Wagon

"I turned an old New Holland pull-type, small square bale wagon into a hydraulic-operated dump bed. What's great about it is that it dumps hydraulically but I can pull it behind my pickup," says Eddie Angelovich, Rye, Colo.

The dump bed measures 10 ft. long by 6 ft. wide and has a short tongue with a ball hitch on front, allowing Angelovich to pull the dump bed with his pickup. The wagon's original hydraulic cylinders are used to raise and lower the bed. Power to operate the cylinders is provided by an 8 hp. Briggs and Stratton engine off an old grain auger, which operates a 2-stage hydraulic pump. "I built it last summer and find that it saves a lot of time and labor," says Angelovich. "I already had the wagon. The bale-loading and stacking parts were worn out, but the bed was still in good shape. My only cost was for the pump. Everything else, including the hydraulic reservoir for the pump, is off the wagon.

"I use it to haul big square bales and to haul scrap iron to a local salvage yard. I recently retired, and after many years of farming have a lot of junk to clear out. I had been using a pickup to haul the material to the salvage yard, but then I had to unload by hand."

Angelovich cut the frame to leave just the back part of the bed. He made a 5-ft. long, A-shaped tongue by cutting a hole near the outer end of each frame rail, and using a large thread-all bolt and 2 nuts to pull the ends in toward each other so he could weld them together.



Hydraulic pump mounted on trailer tongue operates cylinders that raise and lower bed.

The wagon floor angled downward slightly toward the back, but he wanted a level bed so he welded a length of channel iron onto the back end of the frame to make a new mount for the bed's pivot point. It raised the back end of the bed by 4 in. He also moved the bed to the rear about 1 in. so the hydraulic cylinders won't bottom out. He also welded a length of 4-in. box tubing across the front of the frame to give the bed a place to rest on when it comes down.

"The same idea would work with an electric over hydraulic system for use with a tractor, and sideboards could be added to the bed depending on what you want to use the trailer for," notes Angelovich.

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Pallet Paw uses 4-in. long steel "paws" welded on at an angle to tear pallets apart.

Pallet Tear-Down Tool

The new Pallet Paw tool is a high leverage pry bar that makes it easy to remove the boards from pallets without damaging the wood. It comes with a 48-in. long handle made from 10-ga. steel tubing, and 4-in. long steel "paws" welded on at a 45-degree angle. The paws are 6 in. wide overall with a 2-in. wide

gap between them. Weighs about 10 lbs.

The Pallet Paw sells for \$64.99 including S&H. A deluxe model equipped with a built-in 4-way nail puller is also available and sells for \$69.99 including S&H.

Contact: palletpaw@gmail.com; www.palletpaw.com).



"It feeds hay off the front of the bale a flake at a time, or as fast as you want," says Tanner Matheson about his 3-pt. mounted big square bale spinner.

Square Bale Spinner Feeds Bales Fast

The Square Spinner flakes off big square bales fast without chewing them up. The 3-pt. hitch-mounted unit lets one operator pick up a big square bale, carry it to the herd, and feed it out.

"We built the first one for our own use," says Tanner Matheson, Square Bale Spinner. "It turned out to be something our friends and neighbors needed, too. We ended up with a product to sell."

The design is simple with only a few moving parts. The hydraulic cylinder on the center link can be extended to lay the large, angle iron skids flat on the ground. To load a bale, simply back them under the bale and lift. With the bale resting against the front posts, steel pegs on rotating drums on the posts grab at the flakes. The hydraulic motor powered drums tear the hay loose to drop on the ground. The drums can rotate toward each other or be reversed, with speed controlled by the operator in the cab.

"It feeds the hay off the front of the bale a flake at a time, or as fast as you wish," explains Matheson. "It can spin off an entire bale in as little as 10 seconds. However, the standard operation is to turn it on and off to regulate how fast the bale is fed out."

Matheson gets the parts fabricated locally and then assembles each Square Spinner. As little as 65 hp. is needed to power a Spinner. It can be used with anything that can be put in a bale, from dry grass or alfalfa hay to sorghum, sudangrass or corn stalks.

Even loaded with a bale in the upright position, the tractor can still pull a feed wagon or sled. One size fits all as the Square Spinner works equally well with 3 by 3, 3 by 4 and 4 by 4 large square bales.

"We have them priced at \$9,800 plus



Steel pegs on rotating drums up front flake hay off between tractor and bale.

shipping," says Matheson. "It's low maintenance. All you have to do is grease the bearings."

Matheson reports the Square Spinner is especially superior to a processor for feeding out bales on deep snow or over varying terrain. Carry one or more bales on a front end loader and reload the spinner in the field as needed.

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