



Loader-mounted fuel tank is gravity fed, with no extra cost for a pump.

Loader-Mounted Fuel Tank Saves Time And Money

LeRoy Momper, Fredonia, Wis., used to put diesel fuel in his tractor with 5-gal. containers. The job became a lot easier after he built a loader-mounted, gravity-fed, 85-gal. fuel tank.

He used 10-ga. steel to build the tank and fabricated a pair of "quick tach" loader brackets, which he welded to the tank. Also added to the tank were 2 ball valves, a Goldenrod water-block/17-micron filter, a 20-ft. hose with nozzle, a 2-in. filler pipe, a screened vent, and a drain. The total weight of the tank loaded with fuel is 850 lbs.

Momper says his portable fuel tank has a lot of advantages. "Because the system is gravity fed, there was no extra cost for a hand pump, or an electrical pump with wiring. The tank can be easily transported with the tractor to a remote location, and I can let it stand on site until I need to refill the tractor or other equipment. Also, it eliminates the need for another person and vehicle to deliver fuel,



Tank can be easily transported to a remote location.

which saves time and money."

He says it's important to choose a filter that's designed to work with a gravity-fed system.

Contact: FARM SHOW Followup, LeRoy Momper, 215 Lawrence Street, Fredonia, Wis. 53021 (ph 414 331-2093; leemary66@gmail.com).



Craig McMillan can quickly change cultivator shank spacing, or shank types, with his home-built, quick-release shank holders.

Quick-Release Shank Holders

Adapting his cultivator to different row widths and beds is easy for Craig McMillan thanks to his quick-release shank holders. In a few minutes he can shift cultivator shanks or change shank types.

"I have a standard 3-pt. hitch cultivator that I use on a 2-acre garden along with a 1-row planter," says McMillan. "Row widths vary depending on what is planted. Removing shanks to match the rows took time."

McMillan does a lot of metal fabrication for people, which provides him with a good selection of scrap metal, including a couple feet of 3/4-in. thick, 2 1/2-in. square tubing.

"A spring tooth shank fit nicely into the tubing," says McMillan. "I cut it into 4 to 5-in. pieces and welded them to the angle iron toolbar where the shanks had been bolted in place."

Once he slipped the shanks into the tubing,

he drilled holes through the top of the tubing and the shank ends using the old bolt holes as guides. Initially, McMillan secured the shanks in place with bolts and nuts. After losing several nuts, he realized neither the bolts nor the shanks fell out. He no longer uses the nuts.

"When I need to change spacing, I just pull the bolts, slide out the shanks, flip them over and put them back in with points up," says McMillan. "I added extra tubing alongside the first set. This lets me move shanks over for closer spacing."

"The concept works great for me and should work just as well with larger equipment," adds McMillan. "Just match the tubing to the shanks."

Contact: FARM SHOW Followup, Craig McMillan, 1249 Linersville Rd., Buffalo, S. C. 29321 (ph 864 426-5266).

Handy Fence Repair Utility Trailer

Jeff Pierce was frustrated when small fence repair jobs on his ranch took longer than necessary because he had to spend so much time looking for tools.

So the Texas manufacturer had the designers at his company come up with a small trailer with a ball hitch to pull behind an ATV or UTV. It has an unroller rod, T-post holder, post driver holder, toolbox area with room for fence ties and staples, a splicer and a stretcher - everything a farmer or rancher needs for fence repair work.

The 67-in. long steel trailer has a 200-lb. capacity, 15 by 6.5 foam-filled tires and, at just 34 1/2 in. wide, it can maneuver over narrow and rough terrain. It sells for \$449 with a limited lifetime warranty, and can be purchased at ag supply stores that carry PIERCE products or through the website.

PIERCE builds the trailer, as well as bale spikes, ATV/UTV cattle guard, dump kit for trucks and a variety of other equipment. The business also sells winches and a host of ranch and outdoor products like VaxMate, the industry's first livestock vaccine cooler.



Small utility trailer contains everything needed for fence repair work.

Contact: FARM SHOW Followup, PIERCE Arrow, Inc., 549 U.S. Hwy. 287 S., Henrietta, Texas 76365 (ph 940 538-5643; www.piercearrowinc.com).



Big bale trailer uses an electric winch and hook to pull bale onto trailer. Wilson spreads flakes by pulling bale forward through an overhead arch fitted with "flake retainers".

Big Bale Trailer Loads, Feeds Hay On Pasture

Russ Wilson can load a big square bale and feed it out in flakes with an ATV, thanks to his low-cost, big square bale-handling trailer.

"I use a \$79 12-volt winch to pull the bale onto the trailer," says Wilson. "The winch cable lets me set a hook in a bale up to 40 ft. from the trailer. When the bale gets close, flared sides help line it up on the tilted bed."

When the bale slides on, the bed tilts level. Once the twine is cut, Wilson can spread the flakes by pulling the bale forward through an overhead arch. Retainer tines on the arch keep flakes from falling until a flake is over a large hole ahead of the bed.

Aside from the winch, the bulk of the trailer was fabricated from salvaged materials. "A neighbor gave me an old trailer house axle," says Wilson. "The frame is 5-in. channel iron with a bed made from 2-in. wide, 3/16-in. flat bar. The flared sides are 3/16-in. flat stock. It could all be built lighter, but the steel was what I had laying around."

The arch is made out of 1 3/4-in. steel tubing for uprights with 1-in. steel tubing for the angled top. The multi-tine flake retainers are row closers salvaged from an old Buffalo corn planter. The bale hook is a simple right angle device reinforced with roof-truss like supports, all fabricated from steel rod.

Wilson mounted braces from the frame to the uprights. The winch sits atop an angle iron tower at the front of the trailer. The flake retainers are mounted to cross pieces on the arch and braced forward to the tower.



Bale hook is a right angle device reinforced with roof truss-like supports.

"When the bottom of the flake slides off the bed, it drops straight down to the ground, and the trailer drives over the top of it," says Wilson.

A piece of 5/8-in. steel rod mounted from front to back underneath the trailer lets Wilson drive over fences to reach a paddock with cows.

"I have a similar fence jumper on my side-by-side so I don't have to get off to open gates," says Wilson.

Contact: FARM SHOW Followup, Wilson Land & Cattle Co., 1532 Stitzinger Rd., Tionesta, Penn. 16353 (ph 814 354-2325; ancattle@gmail.com; www.russwilson.net).