



Skid loader-mounted "shooter" works great for putting tires on silage piles and bunkers, and for loading and unloading tires on trucks and trailers.



A track and chain is used to move tires on and off unit's 16-ft. steel boom. Boom raises up to a 20-degree angle.

"Shooter" Picks Up, Unloads Tires Fast

Workers at Wingert Sales and Service in Plainview, Minn., sell a lot of tires. To make handling them easier, they came up with a boom that fits on a skidsteer or payloader. When farmers who use tire sidewalls to cover silage piles saw it, they wanted one. So Wingert began manufacturing the Side Wall Tire Shooter.

"For anybody who handles a lot of tires or side walls it's a handy thing to have," says Paul Wingert, owner of the business.

The 16-ft. steel boom has a track and chain to move the tires on and off. The unit quick-attaches to skidsteers. The boom raises up to a 20-degree angle and shoots tires off 10 ft. from the end of the boom.

That makes it handy for putting tires on silage piles and bunkers and loading and unloading tires on trucks and trailers.

The tire shooter requires a skidsteer with at least an 1,800-lb. lift capacity. Bigger equipment can handle up to 50 tire sidewalls at a time.

"It stacks them in a nice neat row," Wingert

says. "Some customers buy it just to pick up tractor tires and move them around."

Wingert sells the tire shooter for \$3,200.

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Modification Fixed Bale Basket Problem

Sharp turns with E-Z Trail Bale Baskets can leave a bale plugging the basket chute or on the ground. Steve Schultz has a solution. He modified his baler's chute to turn with the basket.

"I disconnected the pan from the bale chamber and remounted it using a 3-pt. lift arm ball joint," says Schultz.

He first reinforced the bottom of the bale pan with a piece of steel, before welding a length of 3/4-in. (inside diameter) pipe to it. He left one end extended slightly past the front of the pan. He then welded the ball joint to the end of the pipe.

Schultz bolted an L-shaped hitch to wagon hitch support brackets beneath the bale chamber. This let him secure the ball joint in place with a bolt and nut.

"Chains running from the end of the pan to springs mounted from the upper corners of the bale chamber suspend the pan, while the ball joint lets it move up and down and to either side," says Schultz.

He keeps the pan turning with the Bale Basket with the aid of a 3/4-in steel rod that rides inside the pipe.

"The rod was from a planter marker and had an L-shaped hook on the end," explains Schultz. "I welded a round receptacle on the front of the bale basket and stuck the short leg of the rod in it. The other end slides back and forth in the pipe as needed, but keeps the bale pan tracking the bale basket."

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Steve Schultz modified his baler's chute so it would follow with his E-Z Trail Bale Basket more closely. He keeps the pan turning with the Bale Basket with the aid of a 3/4-in. steel rod that rides inside a pipe.



Jared Wagoner added a 10-in. dia. pneumatic caster "gauge wheel" to his Snapper front tine tiller, to keep it from digging too deep in loose soil.

Garden Tiller Gauge Wheel

"After years of beating myself up with an old Snapper front tine tiller, I decided I had to find a way to make it easier to operate," says Jared Wagoner, Embarrass, Minn.

"What I really didn't like was the way it would start to submarine if you started to get too deep in loose soil. I couldn't justify a fancy rear tine tiller. After looking around at my equipment, I realized what I needed was a gauge wheel.

"So I added a 10-in. dia. pneumatic caster wheel to the front and it's now much easier to use in the garden. And with the wheel out front, I can tip it forward when transporting it to the garden and push it like a wheelbarrow, as opposed to driving it and tearing up the yard."

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Level Detector Prevents Grain Bin Overflow

This new level detector has a mercury-free tilt switch that mounts on the top of a bin or from the end of an auger or conveyor. It activates an alarm when material raises the tilt mechanism 15 degrees. The alarm can be a horn, an exterior light or an alert on a control panel.

Todd Peterson, vice president of sales, says the detector can be custom configured to measure different levels from the top of a bin. The shaft holding the tilt switch can be set up from 1 to 7 ft. long in 1-ft. increments. The device can have a paddle or sphere mounted at the end of the shaft. It can be used in any materials with a bulk density of at least 15 lbs. per cubic foot.

"Unlike many competitive products, this device mounts on the top of a bin or at the head of a conveyor for easy accessibility," Peterson says. It must be mounted in a straight vertical position. To ensure this, the company offers 10, 20 and 30-degree angle mounting plates for angled bin roofs.

The patent pending device sells for \$395 and is tough enough to withstand the harshness of grain or other materials. A rubber boot protects the tilt mechanism and ensures a long operating life.

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Level detector mounts on top of a bin or hangs from the end of an auger or conveyor.