



Tire is placed on top of a steel table equipped with a 7 1/4-in. dia. skil saw blade and a 6-in. dia. slotted press wheel that slides back and forth inside tire.

Tire Cutter Runs Off Tractor Hydraulics

"My homemade tire cutter slices tires in half which makes them lightweight and easy to handle. They also don't fill up with water," says dairyman Chris Lindstrom, Durand, Wis., who uses the "half tires" to cover his three 150-ft. long bunk silos.

The tire cutter is powered off tractor hydraulics and consists of a steel table equipped with a 7 1/4-in. dia. skil saw blade. The blade is chain-driven by a hydraulic motor. A 6-in. dia. slotted press wheel slides back and forth inside the tire, controlled by a hydraulic cylinder. A dual spool valve and control levers for the motor and cylinder mount at one end of the table.

To cut a tire, Lindstrom places it on top of the table and uses the press wheel to push the tire against the blade, which rotates the tire as it cuts through the center of the tread. "The saw blade grabs the tire and pulls it into the slotted press wheel in a kind of shearing action. I can cut up 150 to 200 tires per hour. I've also done a few jobs for neighbors, charging 40 cents per tire. The machine can handle most car or truck tires, but it is not



A dual spool valve and control levers for the motor and cylinder mount at one end of table.

designed to handle semi tires.

"The total cost to build was less than \$200. I salvaged the hydraulic motor from a junked auger and the hydraulic cylinder from a manure spreader. I had the blade and the shaft that supports it was made at a machine shop."

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Powered by a standard air compressor, "air gun" can do everything from vacuuming out leftover seed in drills or planters to blowing dust off combines.

Double Duty "Air Gun" Works As A Vacuum Or Blower

Any air compressor can be hooked up to this new "air gun" to do everything from vacuuming out leftover seed in drills or planters to blowing dust off combines.

The "Safety-Vac II" is equipped with a built-in venturi valve that creates a powerful vortex for vacuuming. By flipping a lever the venturi can be reversed for blowing.

"It has amazing power for a wide variety of applications," says Roy Mai. "It's strong enough to suck 3/8-in. nuts out of a bucket. You can vacuum into a sack or hook a hose up to it to carry material away. It also works

great for blowing out combine and tractor cabs and for cleaning grilles. It's made from cast aluminum so it's resistant to most chemicals, and it has no moving parts so it's maintenance-free.

"It requires a minimum of 80 lbs. of air to operate but the more pressure you have the better it vacuums."

Sells for \$55 plus S&H.
Contact: FARM SHOW Followup, R & R Distributing, Rt. 1, Box 35, Tribune, Kan. 67879 (ph 800 292-7692 or ph and fax 316 376-4039).



Vertical 9-ft. sicklebar mounts on the right side of Rauch's Massey Ferguson SP swather.

Swather Cuts Trees As It Opens Fields

"I can trim tree branches as I make the first round to open a field," says John Rauch, Delia, Alberta, who equipped a Massey Ferguson 36 self-propelled swather with a vertical 9-ft. sicklebar.

Rows of trees line the sides of many of Rauch's fields. The trees trap snow and help retard soil erosion but the branches grow out over the fields. "The add-on sicklebar lets me trim back branches and open a field at the same time," says Rauch. "If necessary, I can raise the cutting table all the way up to reach branches 12 ft. high."

After he opens a field with the tree-trimming swather, Rauch usually switches to another swather to finish the field.

He built the tree-trimming sicklebar by cutting up an 18-ft. sicklebar off a Massey Ferguson 34 swather. He built a frame out of steel tubing to hold the sicklebar. The sicklebar pivots at the bottom on a 1-in. dia.

steel rod. To operate the sicklebar he plumbed an orbital motor into the swather's hydraulic system.

"I have seven miles of trees lining my fields so it really comes in handy. It makes the tree rows look nice, too," says Rauch. "I usually only have to cut off 1 to 2 ft. of new growth so it handles it well."

"The add-on sicklebar was originally driven by a pitman head. However, the add-on sicklebar and frame already added a lot of weight to the swather, and I thought that the pitman's extra weight would be too heavy for the original hydraulic cylinder that raises the cutting table. So I replaced the pitman with the orbital motor. It's connected to the pitman arm off another Massey Ferguson 34 swather that I already had."

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Frick mounted a 5 hp gas engine on front of wagon. To unload all he has to do is pull-start engine. No more hitching and unhitching wagons to hook up the pto.

Gas Engine Replaces PTO To Unload Forage Wagon

"I work by myself and was tired of having to hitch and unhitch wagons to hook up the pto. I solved the problem by mounting a 5 hp Briggs & Stratton gas engine on front of the wagon. Now to unload all I have to do is pull-start the engine. I only have to get off the tractor once," says Jay Frick, Lebanon, Ohio.

He had a welding shop attach a small steel shelf to the front of the wagon, then bolted the engine to it. He attached a stub shaft and small pulley to the engine. The engine belt-drives a big 18-in. dia. pulley, which in turn shaft-drives another pulley that belt-drives the wagon's original unloading shaft.

"It saved me a lot of time and work and has performed with no problems at all," says Frick. "The engine has a small gas tank that holds less than one gallon, but I can unload 30 big wagon loads before refilling. Even with a big wagon load I only have to run the engine at half throttle. I paid \$200 for the engine and my total cost was about \$600. I also built a wooden shield over the engine to keep dust out (not shown)."

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