

## Yard Sprayer Made From Old Tire

John Parker's air-powered sprayer is so simple it boggles the mind. Parker turned a truck wheel and tire into a sprayer to apply herbicide around his yard.

"I got the idea from Volkswagen's old windshield washers," says Parker. "They sat in the spare tire well and used tire pressure to power the spray."

Parker took an old wheel with a good tire on it. He drilled a hole in the rim to the tire chamber and added a valve for the spray wand. He drilled a second and larger hole for a pvc pipe with filler valve for adding the herbicide. A pressure gauge on the spray wand valve keeps him from over filling and lets him know when he's getting low.

"It doesn't take much pressure to run it. When it gets down to 15 lbs. pressure it still

sprays fine," says Parker.

For mobility, Parker strapped the valve-equipped wheel to an appliance mover dolly. To fill, he drops it to its flat position. While he can easily pull the wheel sprayer around the yard, he found an even better way to spray with it.

"I put a ball on the back of my self-propelled lawn mower and hooked the dolly to it," says Parker. "I put Roundup and water in the tire, pressure it up and spray with the hand wand. With 40 lbs. of pressure, I can spray 25 gal. of mix before the pressure runs out."

Contact: FARM SHOW Followup, John Parker, 813 County Rd. 604, Jonesboro, Ark. 72404 (ph 870 935-7899).



John Parker turned a truck wheel and tire into a sprayer to apply herbicide around his yard. Note pvc filler pipe on on tire rim.

## Stove-Top Blower Heats Up Room Fast

You can get more heat out of your woodstove with this stove blower that clips onto the back heat shield of nearly any stove.

"Most blowers mount at the bottom of the stove," says inventor Andrew Tjernlund of Tjernlund products. "This fan heats air at the top of the stove and blows it straight out into the room."

The back of the unit extends about 4 in. behind the stove's heat shield and has vents on the bottom and back to pull in air. An efficient 20-watt blower moves air through the housing, which sits flat on top of the stove. A moveable chute on the front end allows hot air to be directed 45 degrees to either side.

"The low decibel motor on the blower is used in many of our products," Tjernlund says. "You can leave it on at full speed and it's not loud. It's 50 percent quieter than most blower fans."

It also uses very little electricity and is easy to install. You just clip it in place and plug it in. A toggle switch turns the fan on and off.

Tjernlund sells the Hot Shot™ for \$150. The company also sells a heat shield kit (\$60) for woodstove models that don't have heat shields on back.



Fan heats air at top of stove and blows it straight out into the room.

Contact: FARM SHOW Followup, Tjernlund Products, 1601 9th St., White Bear Lake, Minn. 55110 (ph 800 255-4208; www.tjernlund.com).

## Inflate/Deflate Your Tires On-The-Go

"Our new on-the-go tire inflation system makes it possible to quickly increase tire pressure for road travel or reduce it in the field to minimize soil compaction," says Sally Brodbeck, Precision Inflation, LLC, West Des Moines, Iowa.

FARM SHOW actually first introduced the system to North American farmers about 20 years ago when we discovered it at a European farm show (Vol. 16, No. 1). Now the system is available here, and Precision Inflation is the only U.S. distributor.

The system consists of a hydraulic-powered compressor that mounts on back of the tractor, and a control box in the cab. The control box is preset with a road pressure and a field pressure recommended by the tire industry, so that it takes just a few minutes to inflate or deflate each tire.

"Farmers who travel long distances over the road are looking for a way to prevent wear, yet still have the traction they need in the field," says Brodbeck. "Our system lets you set the tires at the optimum pressure for both the field and the road, rather than somewhere in between. Deflating the tires will double the footprint and reduce the compaction impact in the field. It'll also extend tire life and make the tractor more fuel efficient, due to less rolling resistance on the road and less slip in the field."

The system also makes it easy to adjust tire pressures on-the-go right in the field, says Brodbeck. "For example, if you're coming



On-the-go tire inflation system makes it easy to adjust tire pressures on-the-go right in the field.

up on sandy, soft ground, you can dial the pressure down and hopefully go through without getting stuck or making deep wheel ruts. Also, if you're spraying and planting at the same time and losing weight as you go along, you can adjust for that as well by decreasing the pressure."

Prices start at \$5,700 for the most basic system and run to about \$20,000 for the most complex.

Contact: FARM SHOW Followup, Sally Brodbeck, Precision Inflation, LLC, 1025 S. Willow Circle, West Des Moines, Iowa 50266 (ph 515 707-0903; precisioninflation@gmail.com; www.PrecisionInflation.com).



Relocated barn got a new metal roof, custom siding with a chinked look, and 2 new cupolas.

## Midwest Barn Gets New Montana Home

A barn on a St. Ignatius, Mont., farm has a new life since being taken down and transported more than 1,700 miles from Goshen, Ind. With a metal roof, custom siding with a chinked look and two new cupolas, it has been upgraded from its original design.

But inside it preserves and showcases the skill of the craftsmen who assembled the hand-hewn mortise-and-tenon timbers 150 to 170 years ago, says Clyde Selby, co-owner of Second Chance Barn Restoration. He and his business partner, Blake Riley, numbered the wood pieces and took down the barn – saving it from demolition when it was in the path of a highway bypass.

"I stand in awe at the craftsmen who built barns like this," Selby says. "They didn't have the tools, equipment and education we have, yet they built structures that have lasted well over 100 years. They're works of art."

"This barn had more knee braces than any barn I've ever seen. There were over 150 of them," he says, noting each cross member had a brace going in every direction.

Selby and Riley added barn restoration to their log siding business when the economy slowed down a few years ago. They transformed one barn into a horse barn for a hobby farmer and turned a couple old barns into produce stands. Selby's parents, Ben and Joanne, hired them to restore the Goshen barn on their Montana farm.

The timber frame style is new to the area, Ben Selby says, so it stands out. But it's appreciated and well used. Part of the 40 by 76-ft. barn has in-floor heating for a workshop and gathering place, including bathrooms and a cozy loft area.

It and the unheated part of the barn each have big doors to bring in equipment to work on. Tools, equipment, and other farm items are stored on the unheated side. The Selbys raised the ceiling under the loft to 13 1/2 ft. for more space, and were able to reuse most of the barn material. They replaced the



Barn is fitted with big doors to bring in equipment to work on.

foundation logs and installed new rafters between the ridge, purlins and plates to replace the original poplar rafters, which were reused as vertical nailers for the siding. Instead of thinking between the logs, they hired a local mill to cut board siding that left circular saw marks on the wood. The chinked look was created with inset board pieces painted gray.

Saving the old barn and making it useful again was a worthwhile project, says Ben Selby. And it was a bonus to have his son and family in Montana for a month. With a steel roof, new foundation and other upgrades, the barn should last many more years in its new home.

"I was in the construction trade for 35 years, and I appreciate the craftsmanship," he says. "Right away I realized the value of saving something like this."

His son, Clyde, agrees that restoring barns isn't about saving money.

"We can build them (customers) a new one for the cost of restoration," he says. "People don't do it for cost savings. They restore to save something that's lost and that they appreciate."

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