

## Roto Tiller Doubles As A Power Washer

Colin Plasch wanted a pressure washer but he didn't want to add another gasoline-powered piece of equipment to his workshop. The answer was simple when he thought of it.

"I had a tiller sitting there that I only used once or twice a year," says Plasch. "Why not use it to power a pressure washing pump?"

Plasch picked up a pump at a local farm supply store. He had no problem finding one with a bolt pattern and shaft sleeve that fit the bolt pattern and drive shaft on his tiller. To hook it up, he simply unbolted the drive pulley and attached the pump.

"The pressure pump has an internal key way, and it simply slid right on the drive shaft

from the tiller motor," says Plasch. "Now I till the garden in the spring and have a 2,650-lb., 2 1/2 to 3-gpm pressure washer the rest of the year."

Plasch cautions FARM SHOW readers to be extra careful with any pressure washer. He recalls the FARM SHOW article about a farmer who nearly lost his foot in a pressure washer incident.

"Pressure is important, but it's the volume that is really needed," he says.

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Colin Plasch uses an old rototiller to power a pressure washing pump, which fit the bolt pattern and driveshaft on the tiller.

## Solar Lighting For Remote Locations

If you need some light in a remote building but don't want to spend money on setting up electrical service, you'll be interested in this Solar Flood Light. It'll light up an 8 by 12-ft. area for about 90 min. on a single charge.

It takes a few minutes to install the 7 1/2 by 5 1/2-in. solar panel and two-lamp unit. The unit detaches easily so you can also use

it as a portable light.

It comes with a 16-ft. cord that transfers power from the solar panel to the light. The nickel cadmium battery lasts between 2 1/2 to 3 1/2 years.

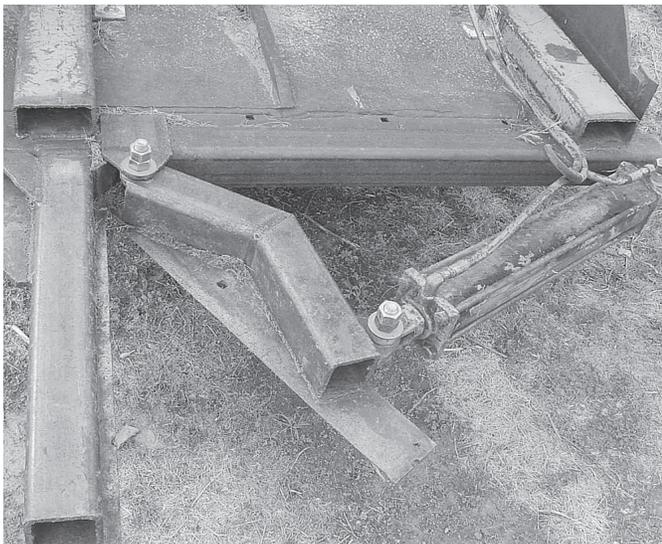
"It needs to charge for 6 days before you use it the first time," says Peter Kashinsky, company representative. "It takes two days

with great sun to fully recharge or 6 days with bad sun."

Sells for \$174.95 including shipping. Contact: FARM SHOW Followup, GREENCulture, Inc., 32 Rancho Circle, Lake Forest, Calif. 92630 (ph 877 204-7336; fax 949 360-7864; www.eco-lights.com or www.greenculture.com).



Solar Flood Light will light up an 8 by 12-ft. area for about 90 min. on a single charge.



Galen Mommens built his own hydraulic shears that attach to the front of his front-end loader.

## Home-Built Tree Shear

"I have a problem with thousands of Eastern Red Cedar trees infesting my farm. They grow like weeds and the cheapest tree shears we could find were over \$1,500. I also could not justify the high cost of hiring someone to come in and shear them for me," says Galen Mommens of Tecumseh, Neb.

"I decided to build my own hydraulic shears that attach to the front of my front-end loader. I made it from scrap metal and have already used it to cut several hundred trees with great success."

Mommens says he has 100 acres of pasture, but probably 40 of them are covered with the unwanted cedar trees.

This tree species has branches that grow right down low to the ground, so he quickly tired of laying down with a chain saw to access the trunk, and then having to sharpen the chain after every three trees or so.

To build his shear, Mommens used: scraps of 4 by 4 by 1/4-in. square steel tubing, some old grader blade tips, a 4 by 24-in. hydraulic cylinder off an old loader, 2 by 6 by 1/4-in. wall rectangular tubing, 1/2-in and 3/4-in. plate, and some new hydraulic hoses.

"My total cost, excluding welding rods,

was less than \$75," he says. "I wanted it to have a single jaw so I'd only have to use one cylinder. Only one side of the jaw moves."

To install the unit, Mommens simply drives up to it, slides it onto the front end loader, and puts in a couple of bolts to hold it in position.

"I've cut up to 10-in. dia. cedar trees with it – those are as big as I have," he explains. "Depending on the lay of the land, I can cut right at ground level or up about an inch or so. As long as you cut them below the bottom branch, they won't grow back."

Mommens says that one week last spring, he spent about 4 hours a day for 3 days, cutting about 350 trees with the rig on his IH 460 tractor. Once the trees are cut, he piles and burns them.

"I've got a website where I sell the building plans for this tree shear. The design is pretty adaptable to different types of loaders," he says.

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The "TableGater" is a 36-in. dia. wood table that fits on a length of sq. tubing that slides into pickup receiver hitch.

## Receiver Hitch-Mounted Table

Everything from toilet seats to umbrellas are being made to fit into 2-in. receiver hitches. An Iowa company has come up with another new accessory that it calls the "TableGater."

It's a 36-in. dia. wood table that fits on a 36-in. long vertical piece of steel square tubing. It adjusts up and down with the turn of a lever at the end of a 38-in. length of square tubing that slides into a pickup receiver hitch.

All three pieces come apart and fit into 5 in. of vertical space.

"There's enough clearance at the back of the truck so you can fold down the tailgate and use it as a seat," says Kevin O'Hara, a partner with the company making the TableGater. "You can paint it, put cup hold-

ers in it or add an umbrella to it," says O'Hara.

As an afterthought, they created a steel base for it that allows it to be used as a freestanding table at home on a deck or patio.

Comes in different colors with logos and graphics. You can also specify how many recessed cup holders to build into it for an additional cost.

The basic TableGater sells for \$179 plus S&H. Table base sells for \$89.

Contact: FARM SHOW Followup, TableGater, LLC, 2934 Devils Glenn Rd., Suite 124, Bettendorf, Iowa 52722 (ph 877 269-1081; sales@tablegater.com; www.tablegater.com).

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