

Offset jack works somewhat like an ordinary scissors car jack, but operates off tractor hydraulics.



Hydraulic-Operated Scissors Jack

Fixing flat tires isn't much of a problem for Gary Bergfeld since he came up with an offset jack that works somewhat like an ordinary scissors car jack, but operates off tractor hydraulics.

"It's a handy, quick and easy way to jack up a tractor or wagon in order to change a flat tire," says Bergfeld. "It uses an ordinary hydraulic cylinder to do the lifting."

The cylinder forms the bottom side of a triangle and acts on a pair of lift arms that form the other 2 sides. The lift arms, made from 1 by 2 1/2-in. sq. stock, ride inside slots in the jack's base as they go up or down. One lift arm is about 2 in. longer than the other and has a welded-on steel plate on top that supports the tractor or wagon. Its bottom end is welded to a metal bracket that's attached to the cylinder's yoke. A 1-in. dia. steel pin that goes through the bracket forms a pivot point for the lift arm.

"It'll lift 4 to 5 tons and is a whole lot easier to use than pumping a bottle jack by hand," says Bergfeld. "I've used it on my New

Holland TS115A 115 hp. tractor, and also on my New Holland 215 tractor equipped with dual wheels. The jack weighs only about 50 lbs.

"I've made some jacks with 20-ft. long hydraulic hoses, so if I'm pulling a wagon that gets a flat tire I can use the tractor to operate the jack without unhooking. I added a safety chain in case a hydraulic hose should ever break.

"One advantage is that the jack sits only about 8 1/2 in. above the ground, which is low enough to fit under a skid loader. Most bottle jacks are 12 in. above the ground."

Bergfeld sells the jacks for \$250 and up, depending on the length of hose. He says he's looking for a manufacturer.

You can see the hydraulic-operated jack in action at www.farmshow.com.

Contact: FARM SHOW Followup, Gary Bergfeld, 15774 Prairie Creek Rd., Peosta, Iowa 52068 (ph 563 542-3250; bootlegger@bernardtel.com).



Bump 'n Drive gate opens in either direction and returns to its closed position automatically.

"Bump Gate" Opens, Closes Automatically

You'll like this bump gate kit that lets you open a gate from either side simply by gently bumping it with any vehicle. The kit mounts on any existing gate.

Once bumped, the new mechanically-operated Bump 'N Drive automatically swings the gate open either way and remains open for up to 45 seconds, allowing plenty of time for you to drive through before it automatically closes and latches.

Any vehicle can "bump" the gate open, which means that even visitors can operate the gate without leaving the seat of their vehicle, says inventor-manufacturer Michael Merget.

The kit is designed to equip the gate on both sides with an assembly which, when bumped, releases the gate through a locking pin action. The locking pin is attached to a wire, and when you push the bumper the wire pulls the pin out of the lock and opens the gate so you can drive through. The kit consists of

a bumper assembly that has 2 bumper arms covered with a soft material.

"The gate is held open by a 'catch and release' latch that's adjustable through a pneumatic piston," says Merget. "The gate holding time can be adjusted by screwing the piston in or out. Once released, the gate returns by gravity back to the latch post."

The kit adapts to single gates up to 20 ft. wide. It's designed to raise the latch end of the gate about 1 ft. off the ground when fully open. This lifting action allows the gate through gravity to close and latch automatically.

Sells for \$299 plus S&H.

Comes with a 5-step manual and instructional video.

Contact: FARM SHOW Followup, Bump 'N Drive, LLC, Rt. 2, Box 693, Marble Hill, Mo. 63764 (ph 800 479-4941 or 573 208-5660; info@bumpndrive.com; www.bumpndrive.com).



"It'll lift 4 to 5 tons and is a whole lot easier to use than pumping a bottle jack by hand," says inventor Gary Bergfeld.



You hold the T-post Badger down with your foot and use a pushing and pulling action against post. As post emerges from ground, the top of the tool ratchets down post's knobs.

Simple T-Post Remover

You can quickly and easily remove T-posts from hard ground with this new T-Post Badger. It has no moving parts.

To use, place the T-post Badger against the knobby side of the T-post at about a 45 degree angle. Use your foot to push the pointed end of the tool into the ground up to the bottom plate. Then, while keeping your foot on the tool to hold it against the T-post, use a pushing and pulling action against the



post. As the post emerges from the ground, the top of the T-post Badger ratchets down the knobs of the T-post.

Sells for \$29.99 plus S&H.

Contact: FARM SHOW Followup, Daniel Considine, Northwind Tools, LLC, P.O. Box 335, Spirit Lake, Idaho 83869 (ph 208 215-4090; info@northwindtools.com; www.northwindtools.com).

Some of the best new ideas we hear about are "made it myself" inventions born in farmers' workshops. If you've got a new idea or favorite gadget you're proud of, we'd like to hear about it. Send along a photo or two, and a description of what it is and how it works. Is it being manufactured commercially? If so where can interested farmers buy it? Are you looking for manufacturers, dealers or distributors? Send to FARM SHOW, P.O. Box 1029, Lakeville, Minn. 55044 or call toll-free 800 834-9665. Or you can submit an idea at our website at www.farmshow.com.

Mark Newhall, Editor

FARM SHOW

"Made It Myself"