



Built originally to crunch through 1/4-in. steel plate or 1 1/2-in. round stock, Shawn Smith's alligator-style wood shears cuts through wood with ease.



Machine is equipped with a pair of 4-in. wide flywheels. An old hay elevator is used to carry wood chunks away.

Old Metal Shears Make Speedy Wood Splitter

Shawn Smith can turn 3,000 lbs. of slab wood into firewood in 45 min. thanks to his alligator-style wood shears. Built originally to crunch through 1/4-in. steel plate or 1 1/2-in. round stock, his early 1900's machine cuts through wood with ease.

"I bought the shears for only \$300," says Smith. "I got them cheap because somebody had tried to pull one of the two 3-ft. flywheels off with a gear puller. They hadn't heated the flywheel first, and they ended up breaking it."

Smith bought the machine and found a

replacement flywheel. Soon the flywheels were turning, powered by an old 18-hp, one-cylinder, Wisconsin engine Smith picked up for \$150 at an auction.

"All I had to do was clean the carburetor, add gas and it started right up," he says. "I ran a V-belt from the motor to one of the flywheels, and the shears were ready to go."

To get the shears running, Smith first starts the engine and then turns the 4-in. wide flywheels by hand. When he engages the clutch, they start to spin.

Smith rigged up a stop on the output side

of the shears. With the "alligator" snapping its jaws shut every two seconds or so, slabs have to be jammed in fast.

He uses an old hay elevator to carry wood chunks away. "The shears are a dangerous machine with no guards and no safety switch," says Smith. "I didn't want to be cleaning away chunks of split wood from around the shears when it was running."

The elevator conveys wood pieces into a truck box. He mounted a 3-hp Tecumseh gas motor on the side to power it. Wood chunks first fall onto a sheet metal apron. Smith

figured he would need something to agitate the wood to keep it from getting hung up. He attached a piece of corrugated plastic to the bottom of the sheet metal, so it extended into the path of the elevator paddles.

"When the paddles come around, they rattle the plastic and shake the wood off the sheet metal apron and onto the elevator," explains Smith.

Contact: FARM SHOW Followup, Shawn Smith, 9706 Water St., Salem, Ohio 44460 (ph 330 332-5036; jeep321@zoominternet.net).

Lightweight T-Post Puller

"My new Quik T-Post Puller is easy to use and only 18 in. long, eliminating the need to lug around big, awkward post pullers," says Bob Medearis, RCM Enterprises, LLC, Byron, Ill.

The post puller works like a ratchet on a jack, except that instead of using a handle the operator uses hands on the post and foot on the puller. It consists of an 18-in. length of channel iron with a metal plate welded onto it at the bottom and a catch plate 1 1/8 in. from the top.

The operator places the base plate on the ground about 8 in. from the post with the top end lying against the post at about a 60 degree angle, and wraps a safety chain and hook around the post. Then he places one foot against the channel iron to keep pressure on the post, grabs the top end of the

post, and pushes it forward. The post puller slides down the post and the catch plate catches on a post lug. When the operator pulls back on the post, leverage from the catch plate causes the post to push up. The operator repeats this back and forth motion three or four times, always catching the next lug down, until the post pops out.

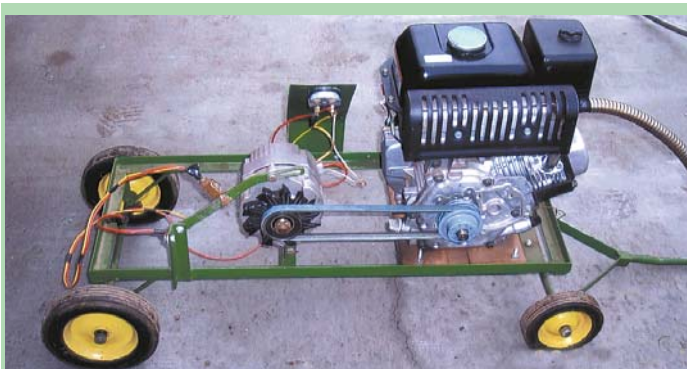
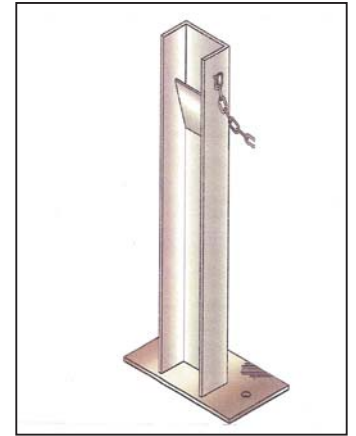
"It really works fast. You can hear the catch plate click down on the lugs," says Medearis. "The safety chain keeps the puller from hitting you in the shin if it should ever slip off the post."

Sells for \$27.50 plus S&H.

Contact: FARM SHOW Followup, Bob Medearis, RCM Enterprises, LLC, 11395 N. Woodburn Rd., Byron, Ill. 61010 (ph 877 335-2788 or 815 335-2780; mail.quikt-postpuller.com; www.quikt-postpuller.com).



Quik T-Post Puller uses leverage from a catch plate to push post up.



Mobile generator uses a gas engine to belt-drive an automotive alternator.

Handy Mobile Generator

Eli Joe Schrock has used this handy portable homemade generator for 5 yrs. to do all kinds of jobs around the farm.

Schrock doesn't have electricity and originally came up with the idea to charge the batteries that power the lights on his horse and buggy.

It consists of a small gas engine that belt-drives an automotive alternator, both mounted on a small frame with wheels so he

can take it anywhere it's needed. Schrock works as a mechanic and says it comes in handy for starting dead tractors or other engines out in the field.

He thinks it works as well as any battery charger on the market.

Contact: FARM SHOW Followup, Eli Joe Schrock, W8362 Elm Ave, Curtiss, Wis. 54422.

Brace Fixes Sagging Wood Gates

If you've got an old wood gate that's dragging on the ground, you'll like this new E-Z Brace kit that straightens it back up like new, says inventor Mark Dwaileebe.

The anti-sag kit for wooden gates comes pre-assembled with a center brace and two attached angle irons that swivel, allowing you to mount it either to the left or right side of the gate depending on where the hinges are. The center brace telescopes out, allowing the brace to be used on any gate up to 8 ft. high or wide.

"It takes only 2 to 5 min. to install and works on gates from 4 to 8 ft. wide. It'll make a 20-year-old gate work like new again or you can put it on a new gate and it'll never sag," says Dwaileebe.

The brace simply screws in place between upper and lower crossbars.

Sells for \$39.95 plus S&H.

Contact: FARM SHOW Followup, E-Z Brace, 6517 Sw. 57th St., Oklahoma City, Okla. 73179 (ph 405 722-0300; mark@ezbrace.com; www.ezbrace.com).



Anti-sag kit can be used on any gate up to 8 ft. high or wide.