

# Innovative Fencing Equipment

"I came up with these ideas because I operate a fencing business and was having trouble finding help," says inventor Kelly Faeth about the fencing tools he built.

## Post Puller

"It lets me pull both wood and steel fence posts without ever getting off my skid loader," says Faeth about his bucket-mounted post puller.

His post puller consists of a steel frame equipped with a metal basket and a moveable jaw that's operated by a 2 by 8-in. hydraulic cylinder.

The operator clamps the jaw onto a post

and then raises the post straight up with the loader. Once the post is out of the ground, a separate cylinder then rotates the post until it's over a special-built, post-carrying basket. It takes less than 6 sec. to rotate and drop a post into the basket, which holds up to 50 wood posts or 100 steel T-posts. It'll even handle railroad ties, says Faeth.



Operator clamps jaw onto post and then raises it straight up with loader. Once post is out of ground, a separate cylinder then rotates post and drops it into metal basket.

## Wire Winder Also Rolls Up Posts

Faeth also came up with a skid loader-mounted, hydraulic-operated wire winder that can also roll up posts with the wire.

"It'll eat the whole fence up," says Faeth. "It holds up to 2,000 lbs. of wire/posts, and has a cone-shaped design that allows the rolled-up wire to easily be pushed off the drum when full. It pulls both posts out of the ground, even if they're buried 3 ft. deep. The rolled-up wire/posts can then be sold for scrap.

"It'll handle both barbed wire and woven wire as well as high line wires and conveyor belting. And it works fast - it'll wind up 1/4 mile of fence in less than 15 min. If I want I can reverse a hydraulic motor and unroll the wire and posts back off the drum so they can be reused."

The cone-shaped steel drum measures 3 ft. in dia. by 5 ft. long and is 12 in. in dia. at one end but only 4 in. at the other end. The drum is operated by a hydraulic motor that chain-drives the gear reduction system off the front axle of a combine. Faeth made a wheel rim type of attachment with a shaft welded onto it that bolts on where the wheel

rim normally bolts onto the axle.

"It has a 50:4 gear reduction so there's plenty of torque to pull wire and posts up and keep them tight," says Faeth.

The drum is supported at each end by a big metal roller, with the roller at the small end of the drum screwed onto a big bolt. To remove the rolled-up wire Faeth unscrews a nut, removes the wheel, and slides the roll off.

"I've used this wire winder for 5 years and it's unbelievable how well it works. Makes fencing an easy job," says Faeth. "The roll of wire and posts is often up to 4 ft. tall when I'm done and looks almost like a small round bale.

"The first time I used it I rolled up 50 miles of fence and didn't have a lick of trouble. It has so much torque that it'll pop the staples and clips right off the posts so I don't have to remove them later."

Contact: FARM SHOW Followup, Kelly Faeth, 46520 151 St., Twin Brooks, S. Dak. 57269 (ph 605 467-9283; faeth08@gmail.com).



Skid loader-mounted wire winder is designed to roll up posts with the wire. "It'll eat the whole fence up," says inventor Kelly Faeth.

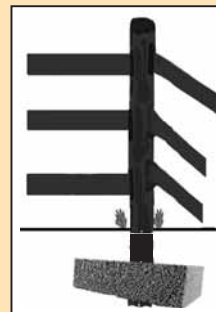
## Simple "Trick" Makes Corner Posts Solid

John Sukraw sets his corner posts fast and easy with railroad ties and a chunk of concrete or a heavy plank.

"They stay straight even when set in high water areas," he says.

Sukraw sets the post at a slight angle away from the draw of the wire. Before tamping it in all the way, he places a large chunk of concrete - or a 2 to 3-ft. plank - against the wire draw side of the post. The plank or concrete pieces are placed below ground level and tamped in place as well. They serve as an in-ground brace when the wires are drawn tight.

"As I tighten the wires, the post pulls straight up," he says. "The underground brace keeps it solid."



John Sukraw uses railroad ties and a chunk of concrete or a heavy plank to make solid corner posts.

Contact: FARM SHOW Followup, John Sukraw, 421 Boyd Ave., North Platte, Neb. 69101 (ph 308 534-5698).



To reinforce his gate posts, Russell Hackman made brackets that allow him to attach diagonal or straight-across rails to vertical posts.

## Simple Shortcuts For Faster Fencing

Russell Hackman came up with several small inventions in 40 years of farming and ranching that made fencing a lot easier.

"I built a lot of fence in my time and most guys I know used an H support to reinforce the gate posts," Hackman says. "I tried those for awhile and they didn't hold very well, so I modified that design by moving the cross beam to the top and then placing a diagonal brace underneath from one post to the other. I used 2 3/8 in. pipes driven 5 ft. in the ground for the uprights, and the cross and diagonal pieces fit into brackets that I welded onto the upright posts. I used a metal strap to fasten the gate hinge to the main post and there was never any give to that post, even with a large gate attached."

Hackman says he likes this system because he can fabricate the brackets in his shop and then install them in the field with 3/8 in. bolts or muffler clamps. He says the clamps are 'ambidextrous', so they work on both sides of a post equally well.

When he built fence with wood posts, rather than mortising the wood brace into the upright post, Hackman used a metal bracket made out of 4 in. channel iron to attach the cross brace. He used 2 lag screws to mount the vertical bracket to the upright post. The horizontal cradle, which he welded to the upright, supported the horizontal brace. He



Photo shows one of Hackman's fence brackets U-bolted to short lengths of pipe for demonstration purposes.

used metal clamps and bolts to hold the wood brace tight. Hackman made a variation of the bracket with a hinge so it could also be used for diagonal bracing. "This setup is easier to install than a mortise brace and much stronger," Hackman says. "I make these in my shop and put them on in the field."

Another device that saved Hackman time was the barbed wire roller that he mounted on the back of his utility tractor. He bought C brackets and attached those to the tractor lift arms. Those brackets held the spooling roll that he made from 1-in. dia. steel shaft. About 4 in. from each end of the shaft he mounted steel disk blades held in place with metal bushings and a set screw. Inside the blades



Barbed wire roller mounts on brackets that attach to 3-pt.'s lower lift arms. A PVC pipe and 2 disk blades are used to hold the wire.

he placed a 2-in. piece of PVC pipe over the main shaft to spool the wire. He used a small hydraulic motor to drive the spool, with speed controlled by the tractor's hydraulic flow

valve. Contact: FARM SHOW Followup, Russell Hackman, P.O. Box 1084, 2523 FM 884, Yorktown, Texas 78164 (ph 361 564-8855).