

Low-Cost Rolling Gate

Gregory McCann, Springfield, S. Dak., got tired of wrestling with a long barbed wire gate that led into his feedlot so he made a rolling gate that rides on a large wheel.

The 20-ft. long, 4-ft. high gate is fitted with a 14-in. wheel. The gate consists of a pair of 2-in. dia., horizontal steel pipes with a series of 1 1/4-in. dia. vertical steel pipes

welded between them. He used redi-bolts to make a hinge that connects one end of the gate to a wooden post. The other end of the gate chains shut.

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Nifty Barbed Wire Unroller

Most barbed wire unrollers work well as long as there's only a partial roll of wire on them, says William J. Kuryliw. However, with a new roll the wire has a tendency to jump off the side of the unroller and wrap around the shaft, the Lac La Biche, Alberta, farmer adds.

"To solve the problem, I built a 'no-wrap' unroller out of scrap materials that encloses most of the spool so the wire can't slip off," Kuryliw says. "I've put up a bunch of fence since I built it a couple of years ago and it works perfectly. I built it to mount on my Honda 3-wheel ATV, but it could be adapted to fit a pickup, or tractor 3-pt."

Kuryliw used a 1-ft. length of steel pipe 16-in. in dia. He welded a side plate on

one end of the drum and a 1 3/4-in. dia. shaft horizontally through the center. He made a removable side plate for the opposite end of the drum to load the unroller and welded on a collar that fits over the shaft with a 1/2-in. bolt that acts as a set screw. He cut an opening about 1/4 the circumference of the drum in the back for the barbed wire to spool from. A 1/2-in. by 6-in. vertical slot cut in the front of the drum allows him to see at a glance from the ATV's seat how much wire he has left.

"I can unroll standard spools of barbed wire as fast as is safe from an ATV," he says.

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Round Bale Feeder Made From Old IH Grain Drills

Old grain drills can be used to make low-cost hay feeders, says Jess Alger, Denton, Mont., who made a 28-ft. long, 7-ft. wide round bale feeder out of five International grain drills.

The 4-wheeled feeder holds five round bales and has 8-ft. high sloping sides, with 15 feeding stations per side. It's mounted on the running gear from an old hay wagon. Alger uses his 4-WD pickup to pull it between pastures on his cow-calf operation.

"I spent about \$2,000 to build it. Commercial ones this size sell for \$5,000 or more," he says.

Alger used one 150 drill and four DSA drills, all of them 12 ft. wide except for one 14-ft. model. He stripped the sheet metal off the seed and fertilizer boxes and used the 1 1/2-in. angle iron frame to make a framework for the feeder's sides, welding the angle irons diagonally onto steel I-beams on the wagon running gear. He covered the sides with sheet metal from the seed and fertilizer boxes, leaving the bottom 3 ft. of each side open. He used the seed and fertilizer box lids to fill in gaps on the sides and also covered the floor of the feeder with sheet metal. He welded L-shaped lengths of 1-in. dia. steel pipe diagonally between the

sides and trough to form the feeding stations. He split the 14-ft. drill in half and used the half sections to make the front and rear ends of the feeder.

"It took a lot longer to build than I thought it would. I spent three solid months building it," says Alger. "It's designed similar to an Apache bale feeder. I use a grapple fork to load bales into it and a bucket to load chopped hay. Cows have to reach between two sets of bars - the pipes and the angle irons - to reach the hay so they don't waste a lot of feed on the ground. Most of the time I pull it with my pickup but in deep snow or muddy conditions I have to use my Versatile 700 4-WD tractor."

"I bought three of the drills from an implement dealer for \$1,000. I bought another drill from a neighbor and already had the other drill. The rear 8 1/4 by 20 tires and axle are off an old truck and the front caster wheels and support brackets are off another drill. I used 2 by 4 steel tubing to make the tongue."

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Bale Stacker Built From Old "Uni" Harvester

"Visibility is great. You can put bales right where you want without having to crane your neck," says Leon Reincke about the bale mover he built out of a 1960's 701 New Idea Uni.

The "Uni's" were designed to convert from combines to forage choppers to silage choppers.

Reincke, of Lake City, Minn., originally bought a New Holland #90 3-pt. mounted bale mover for \$500 to use on his 806 International tractor, but then decided using it on his Uni was a better idea.

"There was nothing particularly hard about adapting it to the Uni and it makes

bale handling a pleasure now rather than a chore," says Reincke.

To mount the bale mover on front of the harvester, he made a 12-ft. A-frame out of 4 by 6-in. steel tubing. It bolts to the side of the harvester at the same point the combine unit does. He made mounting brackets on the end of the frame that match attachment points of the harvester's 3 pt. hitch.

A brace made of 2-in. sq. tubing runs from the rear of the A-frame up to a clevis Reincke welded to the cross member on the bale mover for extra support.

The bale mover operates off two hydraulic pumps on the harvester. One powers the

lift cylinder, which raises up to three bales high, and the other powers the bale clamp on top.

Reincke, who hauls about 200 1,200-lb. bales produced by his New Holland 851 baler every year, says the idea works great for loading and unloading flatbeds as well as working out of barns and sheds.

Besides the \$500 he invested in the bale mover, Reincke's out-of-pocket expenses were \$150.

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