



Brian Dickinson uses straps and a load binder to attach home-built, fold-up trailer on back of his 4-wheeler.



Trailer folds out to a 6-ft. length. "Works great for hauling deer and moose out of the woods, and for hauling firewood," says Dickinson

Fold-Up Trailer Rides On Back Of ATV

Brian Dickinson's home-built ATV trailer folds up on back of the 4-wheeler when empty. To use it, the trailer folds out to haul a 500-lb. load over rough terrain.

The 6-ft. long trailer rides on a pair of 18 by 8.50 turf saver tires and has a bed that's 4 ft. long by 2 ft. wide, with an expanded metal floor. The unit attaches to a ball hitch on Dickinson's 4-wheeler.

He says the trailer works great for use as a

game cart for hauling deer and moose out of the woods, and for hauling firewood. "When I'm ready to mount it on the 4-wheeler, I just remove a pin from the tongue and stand the trailer up, then pull another pin just ahead of the wheels and fold it up," says Dickinson. "I use straps and a load binder to attach it on back of the machine."

Dickinson wanted something light, durable and easy to use so he made the trailer out of

1 and 2-in. tubing and added 8-in. high sides on the back half of the floor.

The wheels ride on an axle made from a 3/4-in. dia. steel rod. They give the trailer about 5 in. of ground clearance.

"The trailer is nice and low so it just 'toboggans' over rough ground. The low floor makes it easy to load game or firewood," says Dickinson. "The trailer's wheels track directly behind the ATV wheels, which works

great in the woods. Another advantage is that the ATV with the folded-up trailer is short enough that I can haul them on my big trailer, without having to unhook anything."

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"Garbage Disposal" Grain Grinder

"We were remodeling our kitchen and were going to replace the 35-year-old garbage disposal. However, instead of throwing the disposal away, I decided to put it to work grinding grain," says Brian Dickinson, Rocky Mountain House, Alberta.

According to Dickinson, a garbage disposal works great because it breaks down grain into very fine particles. "It comes out looking almost like chicken feed," he says.

He removed the discharge pipe from the disposal and then made an 8-in. long tin spout, drilled a hole in it, and bolted it on. The spout directs the ground-up grain into a 5-gal. pail. He wired the disposal to a 120-volt male plug.

To clean the disposal, he just pours in some water and operates the disposal for a few seconds."



Spout on garbage disposal directs ground-up grain into a 5-gal. pail.

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Motorized cart rides on 4 wheels – 2 free-spinning wheels followed by 2 drive wheels. Operator tilts cart back to engage the drive wheels.

Powered "Little Helper" Hauls Up To 900 Lbs.

"Our Little Helper Cart is motorized, driven by an Echo 42.7cc 2-stroke gas engine that's rated to haul big loads up to 900 lbs. It's easy to use and saves you a lot of work," says Paul Eltschinger, Eltschinger Industries, Lawrence, Kan. "Works great for hauling everything from logs to firewood, landscaping rocks and materials, sod rolls, 55-gal. drums, gun safes, big game, and so forth."

The "Little Helper" measures 32 1/2 in. wide by 70 in. tall and weighs 250 lbs. It rides on 4 wheels - 2 free-spinning wheels followed by 2 drive wheels. The cart's throttle and brake controls are located on the cart's handlebar. Steering is accomplished by letting the load lift the rear wheels slightly, then rotating the cart on the front wheels.

A kickstand is used to keep the cart in the vertical position for one-man loading. "The operator tilts the cart forward until the pan is flush with the ground, then slides or rolls the load on," says Eltschinger. "Then he disengages the kickstand and tilts the cart back to engage the drive wheels."

"The pull-start engine powers the rear drive wheels through snow, mud, and rocky terrain.

The load is centered over the wheelbase for good traction and balance, making it easy to steer even when carrying heavy loads."

The powered cart doesn't have a reverse drive gear. You can hand pull the machine backward, or turn it around, by lifting slightly on the handle and rotating the machine. A hand brake can be used for stopping.

Eltchinger says a close friend invented the Little Helper Cart about 15 years ago to use in his tree service. He built about a dozen units each winter and sold them mainly to arborists, general contractors, and landscapers.

The Little Helper Cart sells for \$4,000 plus a \$450 flat shipping fee. "Contractors tell us this machine has a high return on investment, because it reduces the number of employees needed and they aren't as tired at the end of the day," says Eltschinger. "The machine comes with a 30-day return policy, and in 15 years we've never had a unit come back."

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Caleb Howerton used well pipe and old hog panels to build several gates.

Well Pipe Makes Sturdy Gates

While breaking ground for a garden, Caleb Howerton, Springfield, Mo., unearthed several 20-ft. lengths of old 1 1/2-in. well pipe. He had been searching for the right material to make sturdy farm gates that would stand up to abuse from his Idaho Pasture Pigs, while being light enough to open and close quickly during sorting.

Using the well pipe and a few old bent or broken hog panels, he built several 40-ft. long gates to fit his needs. He cut the pipes with an angle grinder and welded them together. The hog panels were also cut with an angle grinder, and then tack-welded to the frame.

All welds were made with E6011 rod. For the hardware, he used standard pipe gate screw-in hinges and a length of chain on the other end to hold the gate shut.

Each gate took less than an hour to build, and cost Caleb about \$20 each in hardware and welding rod. An added bonus is that the small openings at the bottom of the hog panels keep piglets from squeezing out.

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