



“Bucket Rack” holds three 5-gal. buckets without taking up any space on ATV’s rear rack.

“Bucket Rack” For ATV’s

Any ATV can be fitted with this new “Bucket Rack” that holds three 5-gal. buckets without taking up any space on the ATV’s rear rack.

The universal mount has a T-handled mounting bolt that fits through the ATV rack to hold the bucket rack in place.

“The buckets come in real handy for fixing fences, hauling feed, picking up rocks, carrying fishing or hunting supplies, etc.,” says Vince Schmitz, Grasston, Minn. “The quick-release T-handle and universal mount design make it easy to switch it from one ATV to another.”

Sells for \$50 (painted) or \$45 (unpainted) plus S&H.

Contact: FARM SHOW Followup, Vince



T-handled mounting bolt fits through ATV rack to hold bucket rack in place.

Schmitz, Box 92, Grasston, Minn. 55030 (ph 320 396-3011 or 320 396-0355; E-mail: bucketrack@hotmail.com).



Steinacher turned a hopper from an old cement bulk trailer into this 350-bu. grain cart. A 4-speed truck transmission is used to pto-drive an auger at bottom of cart.

Grain Cart Built From Cement Truck

Henry Carl Steinacher, Kane, Ill., turned the hopper off an old cement bulk trailer into a 350-bu., pto-operated grain cart.

“It works great and didn’t cost much at all,” says Steinacher.

He paid \$70 for the hopper, which he bought at a junkyard. The hopper was originally 32 ft. long and equipped with an auger, but the junkyard had cut it in two and thrown the auger away. Steinacher used sheet metal to close up one end and installed an 8-in. dia. auger at the bottom. He mounted it on the rear axle off an old semi trailer. He cut the top part of the hopper open and folded the sides up. He used part of an old manure spreader to make a wishbone tongue and mounted the 4-speed transmission off a 1 1/2-ton truck onto it to pto-drive the auger.

He also installed a screw jack equipped with a foot pad on the tongue.

“Over the years my dad and I used it in the field, filling it from the combines and unloading the shelled corn into bins. When we fed hogs we also used it to unload corn into a hammermill,” says Steinacher. “The nice thing is that the operator can keep the tractor engine at idle and control auger speed by changing gears on the transmission. I welded an 18-in. long spout on back of the cart directly behind the auger. That way when I shut the auger off, the grain flow stops immediately.”

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Jim Brown used the tread off a pair of tractor tires to make these tracks, which he mounted on his Case 446 garden tractor.

He Built His Own Tracked Tractor

Jim Brown wanted a tracked tractor for work in the woods but he couldn’t justify the cost of a small dozer. He also looked at a tracked skid steer loader but it caused too much ground damage because the tracks were too small.

“I saw an article in FARM SHOW about a farmer who used the tread off a pair of tractor tires to make tracks. That seemed like a great way to go so I decided to try it,” says Brown.

He obtained a Case 446 garden tractor with a blown engine and went to work on it. He took off the front axle, replacing it with the rear end off a Dodge Caravan, which he narrowed up to fit the frame. The axle bolts solidly in place. He put 15-in. car tires on front and left the 23-in. tractor tires on back.

He installed a new 20 hp. Twin Vanguard engine, reworking the mounting blocks and modifying the hood. He also made a 3-in. exhaust pipe. The original transmission remained in place.

To make the tracks, Brown cut the sidewalls off a pair of 16.9 by 28 bias-ply tractor tires. He fitted the underside of the tread with U-shaped metal guides that attach with two bolts apiece and ride over the top of the tractor tires. There are 18 guides per track. The sides of each guide come straight down on either side of the tires.

Brown says he can remove the tracks in about a half hour by pulling the wheels off

with the tracks. To reinstall, he puts a small jack between the wheels to hold them in place for mounting, while stretching the belt. He also deflates the tires as much as necessary.

The tractor was fitted with an auto master brake cylinder which is controlled by two steering levers. One brakes the wheels on one side of the tractor and one brakes the other side. When Brown started using the tractor, he found that the rear garden tractor brakes were not strong enough to turn the tractor on dry ground. So he bought 10-in. dia. motorcycle disk brakes that had the same bolt pattern as the rear wheels. Once he installed those, the tractor worked perfectly, practically turning in its tracks. “It leaves a 2-ft. circle at the center when you turn 360°,” he notes.

Brown uses the home-built tracked tractor for maple sugaring and also for cutting firewood. “We have to go through some wet areas and this tractor walks right through. We also used it in 1 to 2-ft. deep snow with no problem this year. It does very little damage to the ground and is very maneuverable,” he says. “The trickiest part in building it was figuring out the brakes. Otherwise, it was pretty straight forward. We bought very few new parts.”

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Tractor is fitted with two steering levers that control brakes on each side.