



Ramp/trailer folds up into a vertical position for transport. When not needed, ramp can be removed leaving a gas-saving "shorty" tailgate in place.

### 1,000-LB. CARRYING CAPACITY

## Tailgate-Ramp Turns Into Handy ATV Trailer

You can get more work out of your ATV with the help of a new tailgate-ramp for pickups that turns into a handy 1,000-lb. capacity trailer.

The new TRT - for "trailer-ramp-tailgate" - was designed by Mike McKenzie, Holyoke, Colo., a machine shop operator who now manufactures it to fit any pickup. The base of the unit replaces the standard tailgate and when the TRT is removed, the base remains in place as a gas-saving "shorty" tailgate. When needed, the TRT attaches quickly to the base unit. When closed, the TRT stores neatly in its tailgate position. To load or unload an ATV (or garden tractor, etc.), it simply folds out to the ground. To use as a trailer, a slip-in tow hitch attaches to the ramp.

"It's great for fence work over ground too rough for pickups and we've also had a lot of interest in it for hauling irrigation tubing. It's great for lawn and garden work and for hunters and campers," says McKenzie, noting that the trailer is fitted with high-quality boat trailer tires and high-speed bearings. The entire unit weighs 190 lbs. and has a 1,500-lb. load carrying capacity as a ramp and a 1,000-lb. capacity as a trailer.

Sells for \$495. It can be purchased as



Ramp capacity is 1,500 lbs.



Slip-in tow hitch quickly converts ramp to a 1,000-lb. capacity trailer.

tailgate and ramp only for \$395. Trailer attachments can be added later.

For more information, contact: FARM SHOW Followup, Mike McKenzie, Newmac, P.O. Box 88, Holyoke, Colo. 80734 (ph 303 854-3851).

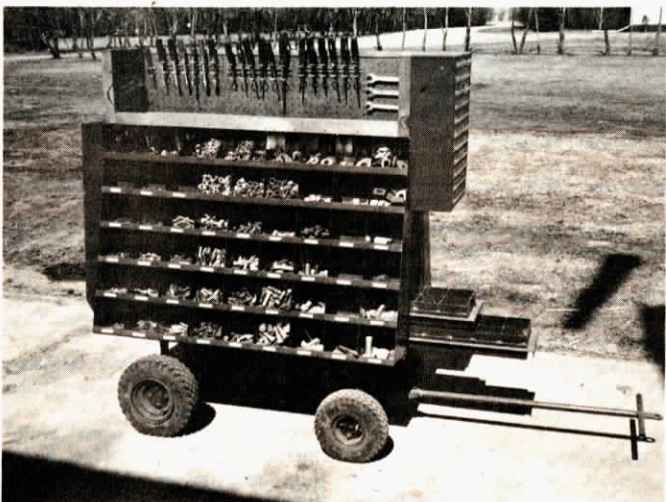


Photo shows one side of portable bolt bin. Note slide-out drawers at front and small bolt cabinet mounted above them.

### OPENS AND CLOSES BY ITSELF

## Vehicle Bump Opens This New-Style Gate

You'll like this new-style gate that you open from either side simply by gently bumping it with your car, pickup or tractor.

Once bumped, the new mechanically-operated Ramrod Bumpgate automatically swings open either way and remains open for 12 to 15 seconds, allowing plenty of time for you to drive through before it automatically closes and latches.

Any vehicle with an ordinary bumper, or any tractor with a guard in front of the grill, can "bump" the gate open, which means that even visitors can operate the gate without leaving the seat of their vehicle, notes inventor-manufacturer Ron Muntz. You can even bump the gate with your tractor's front-end loader, provided you roll the bucket back.

The new-style gate is equipped on both sides with an A-shaped assembly which, when bumped, releases the gate through spring action. The gate is suspended by a guide wire which, in turn, through gravity, returns to the center of balance for automatic closing. No electrical or solar components are involved, allowing installation in remote and difficult-to-reach areas.

The standard 7-rail gate frame, constructed of industrial-grade steel, is 14 ft. wide and 4.5 ft. high on the hinge pole end but only 4 ft. high on the receiver pole end. The gate accommodates most standard vehicles and stock trailers and is available with a "horseman's handle" for easy opening on horseback. Also available is an easily adjustable speed control. A delay unit is available for narrow roadways and longer loads.

The main part of the gate hangs 8 in. above the ground, although the outer end hangs 14 in. above the ground because it's 6 in. shorter. After you bump the gate, it will climb 4 to 12 in. as it swings open. "The entire gate can swing free even if there's a 12 in. rise in your road," notes Muntz.

Each gate unit is shipped complete and



Bumpgate opens in either direction and returns to its closed position automatically.

ready to install. The kit includes a 4.5 by 14 ft. gate frame, latch, two pole clamps, two slip fittings for the stabilizer bar, 15 ft. of aircraft cable and miscellaneous bolts and hardware. You supply the hinge pole, receiver pole and horizontal stabilizer bar for mounting the gate. "The hinge pole and receiver pole can consist of a standard 21 ft. lengths of black 4 in. pipe," says Muntz. "You put them 4 1/2 ft. in the ground and anchor them with concrete, leaving the poles 16 1/2 ft. above the ground. New pipe of the required length costs about \$160. Or, you can buy used pipe for \$1 to \$2 per foot."

According to Muntz, the gate has been successfully used in snow-belt states such as the Dakotas and Montana.

Sells for \$885.

For more information, contact: FARM SHOW Followup, Ramrod Bumpgates, P.O. Box 1573, San Luis Obispo, Cal. 93406 (ph 805 481-6299).

### YOU CAN TOW IT TO THE JOB

## Do-It-Yourself Portable Bolt Bin

When Roger Puetz built and equipped his shop there was no wall space available for a bolt bin. His solved the problem by building a portable-bolt bin that he can tow right out to any repair job.

"This eliminates needless walking to and from the bolt storage to the job in search of a particular-sized nut or bolt," says the Humboldt, Sask., farmer who also found another advantage. Cleanup after a job is eliminated "because, as a component is dismantled, the bolts and nuts go into the proper bin right at the job."

At the top of the bin, Puetz built a peg-board tool storage area. "It provides a convenient place to hang small hand tools and the shelf below it is a place to store tools when they are not in use," he says, noting that on the side opposite the tool storage area, pegs are used to hold a complete assortment of washers.

Two long roll-out trays were installed

under the sides of the bolt racks on roller bearings. "I use them for storing fine-threaded bolts and nuts, lag bolts and shields, and cultivator bolts," Puetz explains.

He installed a small parts cabinet at the front of the cart to hold various types of fasteners, screws and finishing nails. At the rear of the cart, another rack holds various-sized nails and gyproc screws.

The bolt cart frame is made from 1-in. rectangular tubing. An automotive-type steering assembly gives the portable bin greater stability and makes it easy to move. The four wheels were salvaged from a discarded lawn mower. Puetz built the bolt cart for about \$125, painting the finished product with acrylic enamel paint with a gloss hardener.

Contact: FARM SHOW Followup, Roger Puetz, P.O. Box 1897, Humboldt, Sask. S0K 2A0 Canada (ph 306 682-3520).