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TRIANGLE-SHAPED LIFT-FRAMES ELIMINATE NEED FOR A HEADER

Bi-Fold Door Has Its Own Lift Frame

Most bifold doors require a header which takes up a lot of headroom. A Canadian company makes a bifold door that eliminates the need for a header, resulting in no loss of headroom.

Lew Dalman says his company's patent pending bi-fold door transfers most of the forces of raising, lowering and folding the door to ground level through triangle-shaped lift frames on each end of the door. A pair of hydraulic cylinders run from the ground up to the framework. As the cylinders are extended, the two halves of the door are raised and "sandwiched" together horizontally, leaving the entire door opening clear.

"Other bifold doors require a heavy, expensive header and they take up to 2 ft. of headroom because they can't open all the way," says Dalman. "On my door vertical forces are transferred to the ground. Horizontal forces are accommodated by tying into the wall or roofline. There's no loss of headroom at all and the door is 4 in. thick so it can be insulated to R-30. Other bifold doors are limited to 2 in. thick insulation because they can't lift more weight."

According to Dalman, the door can be built to almost any width. "One farmer wants me to build a 75 ft. wide, 16-ft. high door on his machine shed. There's no reason it can't be done. The door isn't affected



A pair of hydraulic cylinders run from the ground up to the door's framework.

by wind because the double-acting cylinders automatically lock it in any position when it stops. There's no need for manual locks."

A 14 by 20-ft. door sells for about \$3,600 depending on the building. You can make your own door and buy the framework in kit form.

Contact: FARM SHOW Followup, Dalman Eqpt. Inc., Box 261, Baldur, Manitoba, Canada R0K 0B0 (ph 204 535-2083).

LOADS CARGO AT THE FLIP OF A SWITCH

Slide-Up" Power Ramp" Fits Any Farm Pickup

If you're looking for an easier way to load vehicles or other heavy cargo into your pickup bed, you'll be interested in this new power ramp from Tri Corp. Industries, Ogallala, Neb.

The patent pending unit consists of a steel ramp that rolls in and out of the pickup bed on sealed roller bearings that ride along a steel track mounted on the sides of the pickup box. The rear of the ramp is equipped with a flow-through tailgate. You simply drive onto the ramp, then flip a switch to pull the ramp up. The tailgate automatically folds up into transport position.

An optional 2,000-lb. winch that mounts on front of the ramp lets you pull stationary loads onto the lowered ramp. The ramp is then pulled onto the pickup bed.

"It works great for loading heavy vehicles such as 4-wheeler ATVs, golf carts, snowmobiles, and lawn mowers," says Bobby Brueggeman, inventor. "Most tailgate ramps are built too light and flimsy. The optional ramp-mounted winch works great for lifting heavy items such as welders, air compressors, large toolboxes, tires, gearboxes, engines, and anything else that'll fit in the back of a pickup. A neighbor of mine even used the winch to load a cow onto the ramp. The cow had just given birth to a calf and couldn't get up, but a storm was coming. He put a strap around her and winched her onto the ramp."

A pair of cables that run under the pickup bed are attached to the front and rear underside of the ramp. The cables are mounted on spools turned by a driveshaft driven by a 1 hp DC motor mounted at the rear of the pickup bed. When you hit the switch to lower the ramp to the ground, the motor turns the driveshaft clockwise and causes



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one of the spools to pull the cable attached to the front of the ramp and let out the cable attached to the rear of the ramp. When you hit the switch to return the ramp to the pickup bed, the driveshaft turns counterclockwise to reverse the process.

The ramp has a 1,500-lb. center load capacity and up to 700-lb. end load capacity. A headache rack welded to the front of the ramp protects the rear of the cab. Optional sideboards and end gates that mount on the ramp let you haul loose bulk materials such as grass clippings or gravel. A lightweight aluminum bed and tailgate is also optional.

Sells for under \$2,000.

Contact: FARM SHOW Followup, Tri Corp. Industries, Inc., P.O. Box 214, Ogallala, Neb. 69153 (ph 303 332-5529).

"NEWSPAPERS MAKE GREAT BEDDING"

Bale Chopper Designed To Shred Newspapers

New Goosen bale chopper makes it easier to chop newspapers up for bedding.

"As far as I know it's the first bale chopper specifically designed to chop newspapers for bedding. It works great," says Rusty Leffingwell, manufacturer's representative for Kasco Mfg., a Shelbyville, Ind., distributor.

The BCD-P bale chopper has a different knife and rotor arrangement than most bale choppers and an adjustable grate that controls fineness of grind and discharge capacity. Newspapers are chopped up in fine or coarse chunks and discharged out the side. Depth of cut is adjustable on-the-go to match the varying toughness of newsprint due to material density or moisture content. A pair of adjustable baffles regulate range of application and bedding depth.

"It lets you chop newspapers into small chunks without worrying about them plugging up the machine," says Leffingwell. "Capacity is 2,500 to 3,000 lbs. per hour which lets you do an 80-cow barn in 25 to 30

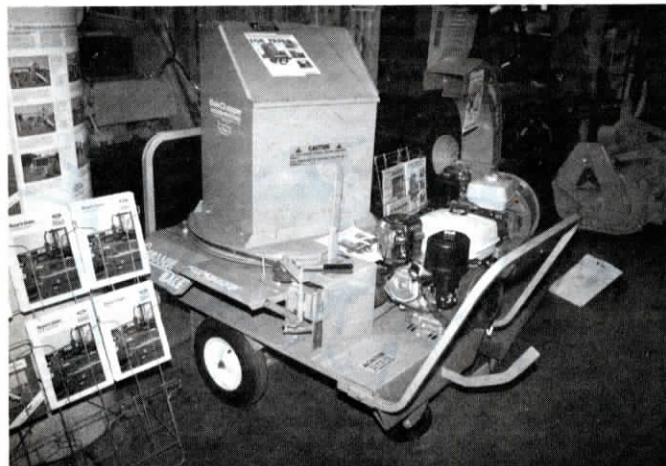
minutes.

"One problem dairy farmers have when they hand feed chunks of newspaper into conventional bale choppers is dust. It isn't the amount of dust in the straw or newspaper that matters, but the amount of excess air that's pulled down into the tub. Our bale chopper has a damper door which reduces the amount of air entering the tub. It also keeps the knives from throwing newspapers out when the tub gets low. A seal on the bottom of the tub also controls dust."

The bale chopper is available with an 8 hp or 11 hp Honda engine, or with an electric 5 hp single phase motor. "We recommend the 11 hp engine for chopping newspapers," says Leffingwell.

Sells for \$2,150. When equipped with an 11 hp engine, the company's conventional BCD bale chopper can be retrofitted to chop newspapers for about \$150.

Contact: FARM SHOW Followup, Kasco Mfg., Rt. 3, Box 363, Shelbyville, Ind. 46176 (ph 317 398-7973).



New Goosen bale chopper lets you chop newspapers without plugging up the machine.