



Dual-wheeled, 35-ft. long crane operates off tractor hydraulics and has a 22-ft. long, A-shaped base hinged to back end of rig's frame. Hydraulic cylinders raise and lower base frame.

Fold-Down Crane Works Great For Moving Bins

"It lifts up to 38 ft. high yet folds down flat for easy transport," says Mark Bruellman, Rolfe, Iowa, about the crane he designed and built to pull behind his tractor.

Bruellman uses the crane in his commercial grain bin moving business (Vol. 26, No. 4). "It'll lift a bin with 20-ft. sidewalls right off the ground," he says.

The dual-wheeled, 35-ft. long crane operates off tractor hydraulics and has a 22-ft. long, A-shaped base that's hinged to the back end of the rig's frame. A pair of hydraulic cylinders are used to raise and lower the base frame. It also has a hydraulic-operated winch.

At the top of the base there's a 12-ft. long jib that supports an 8,000-lb. winch. The jib is equipped with "stay" chains, allowing it to be set at different angles depending on where Bruellman hooks the chains on the rig's frame. The jib has a telescoping extension that can be extended an additional 10 ft. to put the cable 24 ft. out from the wheels. By adjusting the stay cables for maximum boom height, he can lift lighter objects such as rafters up to 38 ft. high.

"I use the crane to take bins apart and to lift bins onto a trailer. I remove the bolts half way up the side of the bin and then telescope the two halves of the bin together, placing the bottom half of the bin inside the top half. By using this method I can haul two bins on a single flatbed," says Bruellman. "It elimi-



Mark Bruellman uses crane to take bins apart and lift them onto a trailer.

nates the need to use bin jacks to raise the bin so that I can back a trailer under it. Another advantage is that I don't have to worry about telephone wires, because the bins are shrunk down low.

"One time I used it to lift a 6,200-lb. Bobcat skid steer loader. I figured if it could lift the loader it would have no trouble lifting a 3,300-lb. grain bin.

"To switch from transport to use mode, I put a floor jack under the back end of the crane. The dual wheels are mounted on stub axles and are slid from transport position all the way to the rear, into a pipe."

Bruellman says he's willing to sell the crane for \$18,000.

Contact: FARM SHOW Followup, Mark Bruellman, 29731 410th St., Rolfe, Iowa 50581 (ph 800 370-2467 or 712 848-3247; fax 712 848-3177).

Truck-Mounted Spreader Box Converted To Trailer

"I spent only about one fifth as much as I would have spent on a new trailer-mounted fertilizer spreader. And I can spread fertilizer at my own convenience," says Walter Miller, Minerva, Ohio, who converted an old truck-mounted lime spreader box into a trailer-mounted model. It holds about 8 tons of lime.

Miller bought the truck-mounted spreader last summer from another farmer for \$800. It was mounted on a 1957 Dodge truck. Even though the truck was still in running condition, he decided to convert it into a trailer. After removing the cab, he cut the frame off behind the front wheels and attached a hitch that he fashioned out of channel iron. He also lengthened the pto shaft and mounted a reverse gearbox on front of the frame so the box's conveyor would run in the right direction. And he added high speed sprockets on back of the lime box, allowing a wider spreading width.

"It doesn't compact the soil as much as a truck-mounted spreader, and I don't need a license to go on the road. It also works great for spreading other materials," says Miller. "We use it to spread gravel on our driveway, and it does a fantastic job. I use our IH 966 150 hp 2-WD tractor to pull it. By adjusting the pto speed from the tractor, we can spread material in a pattern anywhere from 10 to 40 ft. wide. Because it's pto-driven and not



Walter Miller bought this old truck-mounted spreader for \$800.



He converted the truck to a trailer by cutting off the cab and adding a hitch and a pto drive. Total cost was about \$1,200.

ground-driven, I can shut off the spreader to back up into corners, etc. Our total cost, including parts and paint, was only about \$1,200."

Contact: FARM SHOW Followup, Walter Miller, 9182 Knox School Rd., Minerva, Ohio 44657 (ph 330 894-2828).

Roller Flattens Lawn Each Spring

After each tough Ontario winter, many yards are uneven and rough. Alvin Wallace, Blyth, Ont., came up with a quick and easy way to roll the yard, leaving it flat for better mowing all summer long.

The frame is made out of 2-in. channel iron and it's powered by a 2-cyl. Wisconsin engine. The engine drives a combination speed reducer and reverser, which allows the roller to run in forward or reverse.

The reducer belt-drives an automotive 3-speed transmission, which in turn chain-drives a 12-in. sprocket that's attached to the rear roller.

Wallace made the front roller in his shop but the rear roller, which holds 100 gal. of water, was cut from an existing land roller. The seat is at a right angle to the direction of travel. A single hand lever steers the machine by rotating the front roller back and forth.

Contact: FARM SHOW Followup, Alvin



Alvin Wallace's roller is powered by a 2-cyl. Wisconsin engine that drives a combination speed reducer and reverser, which lets the roller run either in forward or reverse. Rear roller holds 100 gal. of water.

Wallace, Rt 2, Blyth, Ont. N0M 1H0 Canada (ph 519 523-9268).

Vise Makes Chain Saw Start Easy

"I have a Husqvarna 61 chain saw, and it's difficult to pull the starting cord hard enough with one hand to get it started. So I mounted a 5-in. vise on the tailgate of my 1966 International Scout pickup. I clamp the saw blade in the vise and use both hands on the starter rope," says James Brant, Camden, Ark.

The vice could also be mounted on a vehicle's bumper or any other secure place, he notes.

Contact: FARM SHOW Followup, James L. Bryant, 645 Ouachita Rd. 43, Camden, Ark. 71701 (ph 870 574-0527).



Clamping chain saw bar in vise makes it a lot easier to start, says Bryant.

All-Hydraulic Hoof Trimming Chute

If you've ever thought about getting into the hoof trimming business, or if you just want to work on your own cattle, you might want to talk to Don Willis of Bath, N.Y. He makes a state-of-the-art hoof-trimming chute and also runs a first-of-its-kind hoof-trimming school.

Seven years ago Willis saw a need for better hoof trimming chutes, so he designed his own chute that allows the cow to stay in an upright position at all times. The Magno Chute 2000 allows a trimmer to work on one hoof or all four. In addition, it allows you to treat other hoof problems such as heel warts, foot rot, stone bruises, abscesses, and dew claws. "The ability to perform more advanced procedures such as standing DA, clipping, washing and other veterinary work is just an added bonus," says Willis.

The Magno Chute is available with hydraulic "quad lift" which is a four-post frame design with hydraulic cylinders at each corner that are used to raise and lower the chute. Electric motors drive hydraulic pumps to power it. When the animal enters the chute, it's lifted by the hydraulically-operated belly band to take the weight off its feet. The chute comes with four manually-operated winches, one for each leg. The winch is used to lift each leg into an inverted "V". A toe board is used to put the hoof into position for trimming. The chute's sides are removable to allow access to the cow for clipping, fitting and vet work.

The chute also has a swing arm to support a grinder and retractable arms to carry gates from farm to farm. The lightweight unit can be pulled behind a small pickup.

In 2003, Willis began the Northeast Hoof Trimming School (NHTS) that serves potential professional hoof trimmers and farmers/herdsmen through its 2 and 4-day instruc-



Chute allows cow to remain upright while hooves are trimmed. "The ability to perform more advanced procedures such as clipping, washing and other veterinary work is just an added benefit," says Don Willis, who also runs a first-of-its kind hoof-trimming school.

tional courses. Students at NHTS receive instruction from qualified professionals and, thanks to the limited class size, benefit from the individual attention they receive.

The Quad Lift sells for \$7,995; the Magno Chute for \$3,395. Another model, called the Econo Chute, sells for \$2,595.

Willis also sells a variety of hoof trimming tools, as well as instructional books and videos.

Contact: FARM SHOW Followup, Don Willis, 7815 State Rte. 53, Bath, N.Y. 14810 (ph 800 619-6546; email: don@fseq.com).