

“No Hydraulics” Dump Trailer

No pumps, hoses or fluid are needed to quickly and easily dump a RED-E-DUMP trailer. With payloads from 6,000 lbs. to 12,000 lbs., this hydraulics-free trailer has a low cost of ownership and simple design.

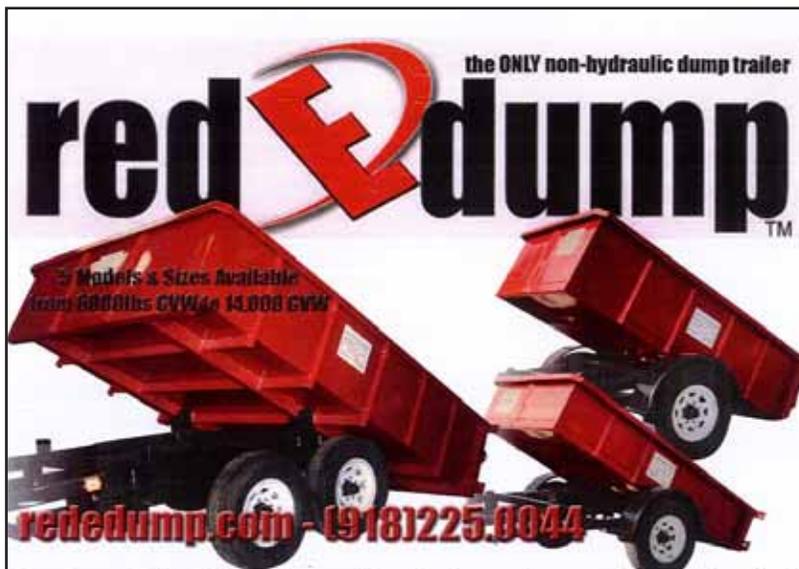
“A roofer friend of mine wanted a small trailer that he and his workers didn’t have to unload by hand,” recalls Larry Stewart, RED-E-DUMP manufacturer. “I worked on the design for about a year and a half, introducing it in 2010.”

The trailer dumps mechanically, thanks to its clever double frame design. The lower frame supports the weight of the trailer in transport. The upper frame, which connects to the trailer tongue, rolls back and forth on top of the lower frame.

To dump the trailer, the operator sets the trailer wheel brakes and backs the towing vehicle up. As the upper frame and the trailer bed slides back over and past the end of the lower frame, the bed dumps.

“It’s like pulling the legs out from under a chair,” explains Stewart. “It removes all the support from under the bed. All it can do is dump.”

To return the bed to a horizontal position,



Operator sets the trailer brakes and then backs up. As the upper frame and trailer box slides back past the end of the lower frame, it dumps.

the operator simply pulls the vehicle ahead again. The bed slides back up and over the lower frame and into place, automatically triggering a safety lock.

“With most newer trucks, the operator can set or release the trailer parking brakes from the cab,” says Stewart.

RED-E-DUMP offers 4 models ranging in size from 5 by 8-ft. 40B bumper pull to

an 8 by 10-ft. 80G gooseneck, with many options available. Call us to find out about the opportunities we have for dealerships in your area!

Contact: FARM SHOW Followup, RED-E-DUMP, 1131 N. Little, Cushing, Okla. 74023 (ph orders call Steve 405-245-7178; 918 225 0044; www.rededump.com).

Reader Inquiry No.123

Uni Harvester Rock Picker

“It’s much more convenient to use than pull-type rock pickers because it’s so maneuverable and gives me a great view in front,” says Larry Recker, Oelwein, Iowa, who mounted the reel and teeth assembly off an Abco rock-picking unit on front of a New Idea 709 Uni Harvester.

The 3 1/2-ft. wide, hydraulic-powered rock picker mounts in place of the Uni Harvester’s husking bed and corn head. Recker built a 1/4-in. thick steel frame to support the rock picker as well as a 12-ft. long, 3-ft. wide slatted conveyor that mounts on one side of the combine.

The picker flips rocks onto a wide steel pan. Once the pan is full Recker raises it and dumps the rocks into a big steel box positioned over the front end of the conveyor. Once the box is full he raises it and drops the rocks onto the conveyor.

“Every time I dump rocks out of the box, I move the conveyor just far enough back to make room for the next dump,” says Recker. “I can dump rocks into the box 3 or 4 times before I have to empty the conveyor. I usually unload rocks from the conveyor into a loader bucket and then use the bucket to load them onto a wagon for disposal. The

conveyor came off an old wagon that I pulled years ago behind a seed corn picker.”

The Uni Harvester’s hydrostatic drive system works well to operate the rock picker and conveyor, says Recker. “I use foot-operated pedals to control the hydrostatic drive and the throttle, which leaves both my hands free to operate the hydraulic valves that control the rock picker. I use 2 hydraulic cylinders to raise and lower the rock picker, and 2 cylinders to dump the pan. The conveyor is driven by a hydraulic motor.

“I built it in the mid 1990’s and use it each spring on every acre of our ground,” says Recker. “I already had the Uni Harvester, which I had used for many years to pick seed corn.

“The rock picker can handle rocks as big as 2 ft. in diameter. If I have to dig a bigger



The 3 1/2-ft. wide, hydraulic-powered rock picker mounts in place of the Uni Harvester’s husking bed and corn head.

rock out of the ground, I can bolt a heavy duty spear onto the picker and use it to push the rock out of the ground. Then I remove the spear and use the rock picker to pick it up off the ground.”

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