

Shelton removed chopper's spout, cutterhead and knives and mounted roller mill's hopper and auger discharge pipes on chopper frame. A driveshaft off chopper's pto-driven gearbox powers the roller mill.

LETS HIM PACK MORE CORN INTO SILO

Chopper/Roller Mill Combo Blows Ground Corn Into Silo

"It allows me to crack high moisture shelled corn and blow it into my silo without spending the money for an expensive new roller mill that wouldn't do the job any better," says James Skelton, Edinboro, Penn., who mounted a used 1975 Peerless International roller mill on the frame of a 1974 New Holland 770 pull-type silage chopper.

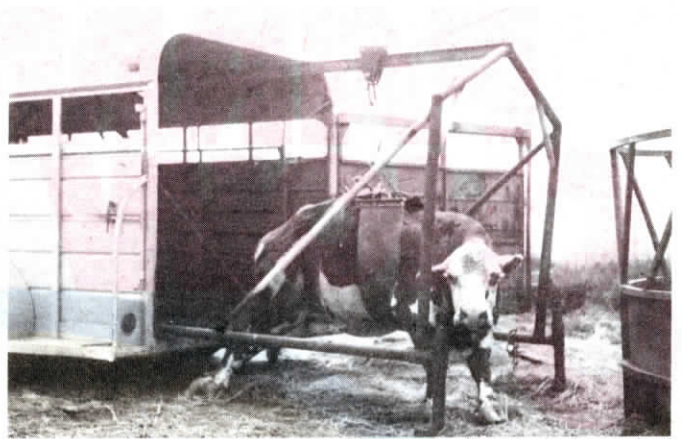
Skelton removed the chopper's spout,

cutterhead and knives. He removed the roller mill's electric motor, belts, and pulleys, and mounted the hopper and auger discharge pipes on the chopper frame. A driveshaft off the chopper's pto-driven gearbox powers the roller mill. Corn is augered from gravity wagons into the roller mill hopper which cracks the corn and delivers it into the chopper blower. The blower, hooked up to the silo pipe, blows cracked corn up into Skelton's 20 by 70-ft. silo.

"I had been picking ear corn and using the chopper at the silo to grind and blow it into the silo," says Skelton. "However, I was running short on space for high moisture corn. Rather than build another silo I decided to buy a combine and fill my silo with cracked shelled corn to conserve space. A chopper alone doesn't do a good job of cracking shelled corn so I bought the used roller mill for \$1,000. It was driven by an electric motor and designed to crack corn after it's unloaded from the silo. By mounting the roller mill on the chopper frame I can crack shelled corn and blow it into the silo for about 1/10 the cost of a new conventional roller mill. Cracking shelled corn before it goes into the silo increased my silo capacity by 50% compared to grinding and blowing ear corn into the silo, and 25% compared to using a silo blower to fill the silo with shelled corn and then cracking it later. My roller mill/silage chopper combo also eliminates the hassle of running an electric motor-driven roller mill every time I unload corn. I can crack a 5-ton load of corn in 15 minutes."

Corn is cracked by two 1-ft. wide rollers inside the roller mill hopper. From there it's augered up through a vertical pipe, then over into a plastic pipe and down into the chopper blower. Skelton welded a metal box to the rear side of the blower and cut a hole in the top for the pipe. The same shearpin that was used on the chopper cutterhead protects the roller mill from damage.

For more information, contact: FARM SHOW Followup, James Skelton, R.D. 1, Box 13380, Edinboro, Penn. 16412 (ph 814 734-1750).



To raise animal, Rohr slides lift frame out the back of trailer over the down animal and uses winch and two round baler belts to lift it.

MAKES SICK OR TRANQUILIZED CATTLE EASY TO TRANSPORT

"Down Cow" Lift Loads Animals Onto Trailer

Taking sick cows to the vet or bringing home stray bulls shot with a tranquilizer gun are both easy chores for Lonie Rohr since he built his innovative down cow lift that loads animals onto a trailer for transport.

"I got the idea as a way to chase down neighbors' stray cattle. I bought a tranquilizer gun to put them to sleep but I needed a way to bring them home. We tried a front-end loader but we couldn't load cows into a stock trailer with it," says Rohr.

He ended up building an 11-ft. long lift frame out of oil well pipe and an overhead 4-in. 1-beam track that serves as a track for a rolling lift pulley. A 2,500-lb. capacity 12-volt winch mounts at the front of the lift frame.

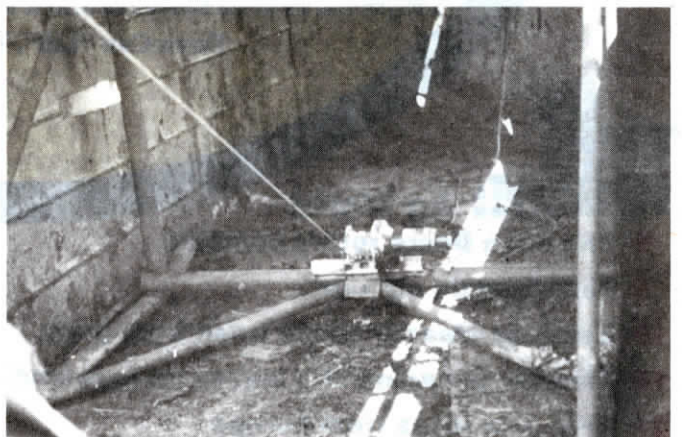
To raise an animal, Rohr slides the lift frame out the back of the trailer over the down animal and extends two adjustable-length legs downward so they rest on the ground. Next he wraps the two lifting belts - made from round baler belts - under the belly of the animal, one toward the front and one toward the back. He runs the winch cable through the lift pulley. It raises the animal off the ground and then pulls it into the trailer, rolling on the overhead track. Once the animal's inside, Rohr lowers it to the floor of the trailer, unhooks the lift cable, and then uses the winch to pull the lift



Rohr made his own rolling lift pulley.

frame back into the trailer by hooking the cable to the front of the trailer. (He also uses the winch to slide the lift frame out of the trailer using a hook at the back of the trailer.)

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Rohr uses winch mounted at front of lift frame to raise animal and to pull lift frame in and out of the trailer.

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