



Plastic watering bucket is partially buried below ground and is housed inside an insulated donut-shaped housing that extends farther down into the ground. Flexible line allows basket to be removed.

## Earth-Heated Livestock Waterer

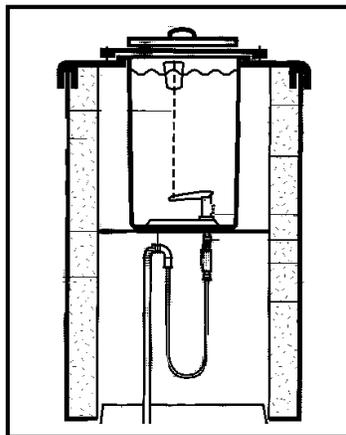
"Our new livestock waterer requires no outside heat but stays open all winter," say Richard and Jean Winebrenner about their "earth-heated" Cobett waterer.

It consists of a plastic watering bucket that's partially buried below ground and is housed inside a 4-in. thick insulated donut-shaped housing that extends farther down into the ground. The housing rests on top of a ground heat tube that's located below the frost line.

"It's simple to install and requires no concrete, no outside heat source, no covering over the water, and no minimum number of livestock to keep it working," says Richard. "We designed it for our own farm in 1993 and began to test market it in 1996. Farmers really like its design and performance. Since the water basket is suspended within the ground heat chamber, it's constantly warmed or cooled by underground temperatures. In the coldest weather, a layer of ice may develop on the water surface but you can quickly chip it open if needed. All the plumbing components will still be safe because they're within the ground heat chamber and protected from frigid air.

"The system is easy to service. To clean the basket just lift it out, swish around some water, and empty it out."

The waterer includes the ground heat tube



Drawing illustrates how waterer extends underground.

and is available with a 5 or 18 gal. basket capacity. The 5-gal. model serves 30 to 35 beef cows and sells for \$450 plus S&H. The 18-gal. model serves up to 100 beef cows and sells for \$630 plus S&H.

Contact: FARM SHOW Followup, Cobett Co., 2651 265th St., E. Peru, Iowa 50222 (ph 888 699-4722 or 515 728-4722; fax 4327).

## Pto-Driven "Reverser" Cleans Out Auger

"I wanted to be able to turn my 41-ft. long grain auger backward so I could empty it out. Turning the auger by hand took a long time so I built my own pto-driven auger reverser out of scrap materials," says Don Schieber, Ponca City, Okla., who mounts the unit on back of his Deere 425 garden tractor.

The auger reverser is equipped with two pto shafts - one that hooks to the tractor pto and another that drives the auger. Each shaft mounts on identical gears that came from broken transfer cases out of 4-WD tractors. One shaft extends out one side of the unit and the other extends out the opposite side, with standard male and female pto stubs welded onto the ends of each shaft. The gears are contained within two bolted-together steel plates. A welded-on angle iron brace contacts the ground to keep the unit from spinning around while it's operating.

"It saves me a lot of time and is simple to operate," says Schieber. "It takes only about 30 seconds to clean out the auger now compared to about 15 minutes when I had to



Auger reverser is equipped with two pto shafts - one that hooks to tractor pto and another that drives the auger.

do it by hand."

Contact: FARM SHOW Followup, Don Schieber, Schieber Farms, 3300 W. Ferguson Ave., Ponca City, Okla. 74601 (ph 580 363-1950).



Carrier is equipped with two cradles and unloads one side at a time without the use of hydraulics, chains, or motors. The operator simply turns a crank to trip the cradles.

## New Round Bale Hauler Mounts On Wagon Running Gear Or Flatbed Trailer

"We think it's the easiest-to-use, most cost effective round bale hauler on the market," says Mitchell Pfab, Anamosa, Iowa, about his round bale carrier that's designed to bolt onto any wagon running gear or flatbed trailer. He displayed it at the recent Wisconsin Farm Progress Show.

The carrier is equipped with two cradles and unloads one side at a time without the use of hydraulics, chains, or motors. The operator simply turns a crank on front or back of the carrier to trip the cradles, allowing the bales to gravity fall off to either side. Bales can be loaded from the side or pushed on from the back end.

"It eliminates the need to tie up an expensive trailer. You can just slip the unit onto a flatbed or running gear whenever you need to move bales. It mounts using two

chains that run through steel brackets," says Pfab, noting that the carrier can be built to clear fenders on lowboy and car hauler-type trailers.

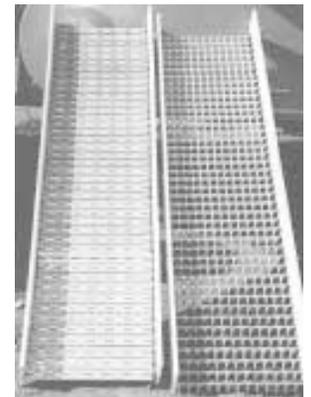
Available in four sizes: a 6-bale model that's 16-ft. 6-in. long sells for \$3,500 plus S&H; an 8-bale, 21-ft. 6-in. model, \$3,850; a 10-bale, 26-ft. 6-in. model, \$4,300; and a 12-bale, 32-ft. model, \$4,900 plus S&H.

Pfab also offers a self-unloading gooseneck round bale trailer that dumps all bales at once. A 6-bale model sells for \$5,000 plus S&H; 10-bale for \$6,000 plus S&H; and 12-bale for \$7,000 plus S&H.

Contact: FARM SHOW Followup, Mitchell A. Pfab, Pfab Hay & Trailer Sales, 411 Prairie Hills Rd., Anamosa, Iowa 52205 (ph 319 437-4231).



Straw walker bolts on in place of combine's original walker and can be completely closed off or opened to 80 percent. Size of openings is adjusted by using a lever. Photo at left shows entire assembly. Photo on right shows walker open and closed.



## New Straw Walker Has Built-In Adjustable Sieve

"Our new straw walker can be adjusted to change the size of the openings according to crop conditions. As far as I know it's the first totally controllable straw walker on the market," says Jake Loewen, Altona, Manitoba.

The walker bolts on in place of the combine's original walker and is designed to fit any combine. The size of the openings is adjusted by using a lever that mounts under the walker. The walker can be completely closed off or opened to 80 percent.

"The problem with conventional straw walkers is that the holes in them are all the

same size. As a result they let too much or too little grain through to the sieves, depending on the kernel size," says Loewen. "By being able to adjust the size of the holes you can control how much grain you throw on the walkers and keep from overloading or underloading the sieves.

"So far we've made only a few units. We expect to be in full production later this fall."

Sells for about \$950 (Canadian) plus S&H. Contact: FARM SHOW Followup, Jake Loewen, Box 2191, Altona, Manitoba, Canada R0G 0B0 (ph 204 324-8621 or 6959; fax 1288).