

YOU CAN CLEAN IT IN SECONDS WITHOUT EVEN GETTING YOUR HANDS WET

Stock Waterer Swings For Fast, Easy Cleaning

Somebody's finally developed a live-stock waterer that you can thoroughly clean in a matter of seconds — without getting your hands wet in the process.

To clean it, you simply pull a pin and, with one hand, swing the waterer pan up to either side. This swinging action completely empties the pan and creates enough sloshing action to completely flush out all dirt and debris in the waterer, explains Eldor Wulf, Cheney, Kan., inventor-manufacturer.

Wulf's new Swinging Line steel waterer is available in 2, 4 or 6 holes for cattle, hogs or sheep. "Only the heavy gauge steel legs and stainless steel covers come in contact with the mud and manure acids that destroy the base of some waterers," explains Wulf. "Heavy welded hinges hold the waterer pan lids. They can't shake loose. We have completely eliminated all threaded bolts and springs that can corrode and stick."

Wulf notes that the waterer's 3 open sides make it easy to adapt to

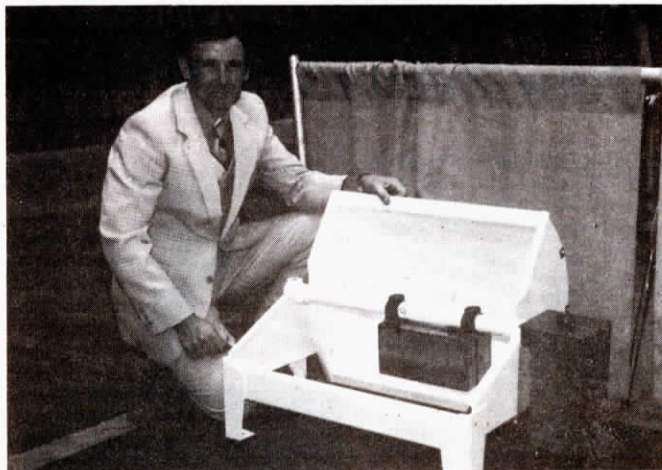
new or existing watering hookups. The entire float assembly can be disassembled for repair or replacement in a matter of seconds with only a pair of pliers to remove 2 drop pins.

In winter, the waterer can be "freeze proofed" by installing a piece of insulation with heat tape incorporated into it on the underside of the waterer. "With this arrangement, you only heat water in the drinking pan and piping — not the whole inside of the waterer enclosure," explains Wulf.

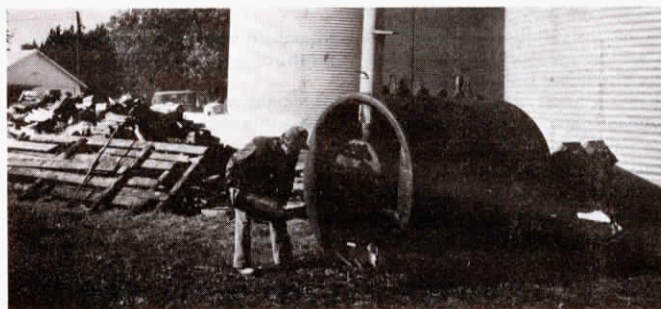
An optional medicator attachment allows you to add wormers, antibiotics or other medications to the water supply in any single pen you choose.

Retail cost of the new-style waterer, slated to roll off the production line June 1, hadn't been established as this issue of FARM SHOW went to press.

For more details, contact: FARM SHOW Followup, Wulf Development Company, Eldor Wulf, President, Route 1, Box 267, Cheney, Kan. 67025 (ph 316 542-3558).



Inventor-manufacturer Eldor Wulf shows how waterer pan, minus stainless steel cover lids which animals "nose up" to drink, swings up for fast emptying.



The Kuhns used two old fuel tanks for the burner, putting one inside the other.

"HOG TIES" FOR PORK PRODUCERS

New-Style Neckties Promote Farm Products

"They're catching on fast," says Sanford Searce, creator of attractive "hogties" for pork producers.

The neckties are made of attractive 100% polyester. A beige-colored fabric depicting a sow and her litter is woven into your choice of a dark blue or dark brown background.

"If you raise hogs, or know someone who does, these product-promoting neckties are attractive eye catchers and great conversation pieces," says Searce.

Popularity of his "hogties" has triggered plans to create product-promoting neckties for other products. Searce already has an artist working on neckties depicting corn, cotton, tobacco and soybeans.

The "hogties" sell for \$7.50 ea., including postage and handling.

For more details, contact: FARM SHOW Followup, Hogties, Millstone Place, Rt. 1, Box 267, Shelbyville, Ky. 40065 (ph 502 633-5476).



Searce "hogties" depict sow and her litter.

HOME-MADE FROM SCRAP PARTS

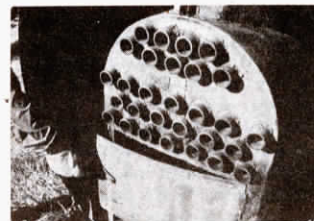
Wood-Fired Heater Cuts Drying Costs

Illinois farmers Robert C. Kuhn, and sons Robert and Kevin, of Oconee, took 3 points of moisture out of 2,000 bu. of corn last fall with a home-made wood burner, using only a cord of wood in the process.

The Kuhns positioned their burner so their conventional drying fan pulled heated air from it and pushed it into the corn. During the day, they fired every half hour and raised the temperature 20°. At night, they fired before going to bed and there was still a fire going in the morning.

They built the heater from salvaged oil tanks and steel pipe, all of which cost them less than \$25. Minor problems included some smoke odor in the dried corn. Although it caused no objections at the elevator, they plan to correct the problem before firing up the burner this fall. "We think the burner chamber wasn't airtight enough, and that the firing end of the heater needs to be extended back further to scoop up totally fresh air. Also, we think some of our welds can be improved to seal better," explains Kevin.

The Kuhns used two old fuel tanks for the burner, starting with a 1,000



Heat exchanger pipes run through the inside of the 350 gal. firebox.

gal., 5 ft. dia. drum which serves as a heat jacket. The inside firebox, made of a 350 gal. steel tank, has 2 in. dia. steel heat exchanger pipes running through it. The Kuhns say no particular number of pipes is required ("the more the better") and no particular pattern seems to be required for installing them.

The Kuhns tried firing both with and without a grate. They say it is best to have no grate as this method keeps the coals alive. With a grate, the fire would burn out overnight. Lining the firebox bottom with firebrick or sand would be a good way to insure against burnout, they advise.