

## Ritchie develops

### Challenger livestock fountain

CONRAD, IA — The new, 1986, Challenger™ Livestock Fountain from Ritchie Industries, Inc. redefines both energy efficiency and watering equipment durability, according to George Stoneback, advertising manager, Ritchie Livestock Fountains.

"In-house research shows it's about 80 percent more energy efficient than similar Ritchie models with conventional water troughs instead of water wells," says Stoneback. "Each of two deep water wells dips into a 10-plus gallon trough of warmed water."

A floating Thermal Cap physically blocks most contact between warmed water and colder outside air. A gentle 6-ounces of pressure moves the cover for cattle to drink. If necessary, the

Thermal Cap can be easily lifted out.

Some 2¼-inches of insulation in the casing and on the Thermal Cap help insure against freeze ups and dramatically reduce heating costs. A small amount of electricity used in the water wells further protects against freeze ups.

The Challenger is heated with two 80-watt immersion heaters and one 36-watt supply line cable heater. These heaters can be turned off except during extreme, continued winter weather.

"Thanks to careful design consideration, the Challenger is priced lower in cost than most 'energy-free' watering equipment," says Peterson.

The Challenger's all stainless steel construction guarantees long-

life in spite of livestock abuse. Stainless steel virtually doesn't rust or corrode in the presence of water, mud, manure and acids typically found around livestock operations. Corners are protected from on-going rubbing of livestock with durable 8-inch protectors.

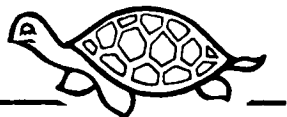
Waterflow capacity is about 15 gallons per minute. A glowing red indicator identifies times when heat is on and accommodates proper thermostat adjustment. The fountain itself is 36¾-inches long, 20-inches wide and 23-inches tall. It waters 40 or more head of cattle.

The Challenger can easily replace existing cattle fountains, according to Peterson. "It is easy for Ritchie dealers to make this exchange because it doesn't require any special water supply tile," he says.



Challenger™ Livestock Fountain manufactured by Ritchie® Livestock Fountains.

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SLOW**



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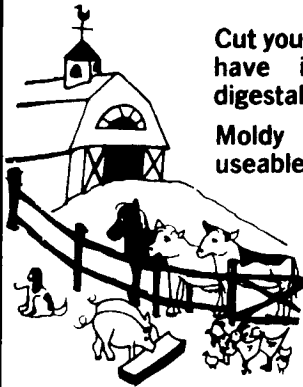
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