



Waterproof canister for storing instruction and parts manual can be mounted where most convenient.

"DON'T LEAVE HOME WITHOUT IT"

Handy Storage Canister For Instruction Manuals

How many times have you needed to refer to the instruction and parts manual only to discover you can't find it, or it's back at headquarters and you're in the field?

Now you can store these valuable manuals in a weather and mouse proof canister that attaches to the tractor, combine or other piece of equipment and is always there when you need it.

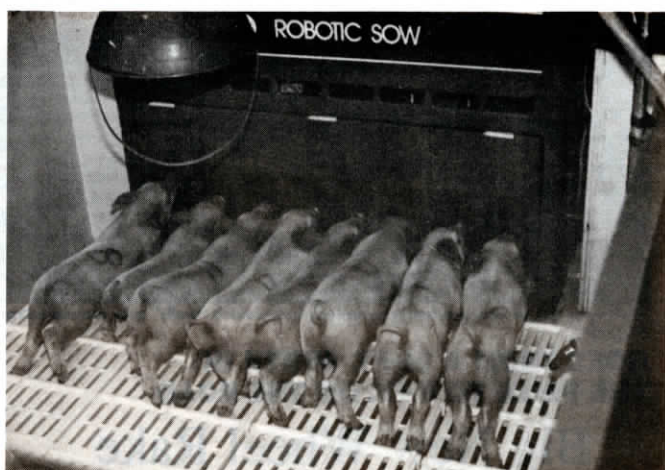
The Stor-Dri canister, made of steel tubing, comes with a universal bracket for horizontal or vertical mounting on round, flat or corner surfaces. "There's no one best place to mount the device. You pick out the best spot and the mounting bracket will accommodate," says Richard Burns, manu-

facturer.

The waterproof cap is attached to the tube with a plated chain so you can't lose it.

A standard Stor-Dri container for larger tractors, combines and other equipment (12-1/2 in. long and 3-1/2 in. dia.) sells for \$24.95. It's also available 12-1/2 in. long in 3 in. dia. (\$21.95); 2-1/2 in. (\$18.95); and 2 in. dia. (\$16.95). All sizes available in colors to match your equipment, such as John Deere green, Ford blue, etc., and in standard gray, black and white.

For more information, contact: FARM SHOW Followup, G and H Products Inc., St. Paris, Ohio 43072 (ph 513 663-4865).



The Robotic Sow's nipples, udders are flexible. Piglets nuzzle them like the real thing.

COMMUNICATES IN LANGUAGE PIGLETS CAN UNDERSTAND

"Robotic Sow" Grunts Like The Real Thing

A new Robotic Sow that grunts like the real thing stands ready to show pork producers how it can greatly reduce pre-weaning mortality.

Backed by 10 years of research and development at the University of Guelph in Ontario, the Robotic Sow is now being manufactured and marketed commercially under a licensing agreement by Farmatic, of London, Ont.

"It's designed so piglets are led to believe they're being cared for by a real mother sow," explains Elise Amyot, company representative. She notes that most hog producers lose 15 to 25% of their piglets before they're weaned, with between 50 and 70% of this mortality occurring within the first 3 days of age.

"Previous artificial nursing machines have failed in the marketplace for various reasons. Their mechanical and electrical components were too complex to function adequately in a barn environment. And people who developed them weren't knowledgeable about animal behaviour. Consequently, the machines didn't properly simulate a real sow," says Amyot. "Our new Robotic Sow does. In intensive University of Guelph trials, piglets raised on it did as well or better than those raised on real sows."

Here's how it works: An electronic timer controls two heat lamps — one suspended over the nipples to simulate the "udder area," and one over the pen's "resting area". When it's time to eat, the "resting area" lamp shuts off and the "udder area" lamp lights up to simulate warmth of the mother sow. Nipples slowly rotate from a hidden to an exposed position. They're flexible and

piglets can nuzzle them like the real thing. The machine sends out digitized slow grunts to let piglets know it's feeding time. They're followed by faster grunts which signal that milk has been let down.

This "let down" grunting sequence lasts 3 minutes, after which the grunts stop and the nipples are withdrawn. Feeding's over. The "udder area" lamp shuts off and the "resting area" lamp lights up. A valve opens to dispose of any leftover milk and the nipples are automatically flushed with water. The 4-minute feeding sequence (1 minute without grunts and 3 minutes with grunts) is repeated every hour, 24 hours a day.

Other key features include:

- The refrigerated tank above the nipples is filled daily with enough milk replacer to last 24 hours. At regular intervals, the replacer is stirred to prevent sedimentation. Only the amount needed for each feeding is warmed up.

- Low voltage electronics (12 volts) control the system.

- The unit (34 in. high, 36 in. wide and 20 in. deep) has a non-corrosive plastic body.

- Piglets can be placed on the machine at 12 to 24 hours of age, preferably after eating the sow's colostrum milk. If none is available, milk replacer with antibiotics can be fed to piglets immediately after birth. One 16-nipple unit serves 75 to 100 sows.

A Robotic Sow with 16 nipples (8 per side) sells for \$8,900 (Canadian).

For more information, contact: FARM SHOW Followup, Farmatic Inc., 45 Meg Drive, London, Ont. N6E 2V2 (ph 519 686-7881).



You steer the bean buggy with one hand and spray with the other.

LETS ONE MAN "WALK" 6 ROWS AT ONCE

One-Man "Bean Buggy" With Hydrostatic Drive

"It works great and saves us a tremendous amount of effort. It's far superior to the commercial 3-wheeled buggy it replaced," says Edward Hauer, Alma, Kan., about the one-man "bean buggy" he, and his son Eldon, built from scratch.

Hauer told FARM SHOW one thing he didn't like about his old 3-wheeled bean buggy is that he had to steer it with his feet. "I'm 66 years old and the constant movement with my feet was hard on my legs. Our new machine has a steering wheel so you steer with one hand and spray with the other.

We made the steering wheel flat, not slanted, so you can rest your arms on it while working. And the foot rest is adjustable so you can change positions."

Two junked motorcycles provided wheels for the buggy. The drive wheels, chain-driven by hydrostatic motors, mount up front. The motorcycle's front wheels steer the buggy from the back. Steering is controlled by a system of tie rods and steel cable. No power assist is required.

A 10hp. Briggs and Stratton motor drives a hydrostatic pump. Forward and reverse

speeds are controlled by a single foot pedal. "This drive system is ideal for spot spraying. It's got an infinite range of speeds from 0 to about 10 mph. No brakes are needed. You just take your foot off the pedal. And it steers with the touch of a finger," says Hauer. An operator can cover six 30-in. rows at once in the buggy. Hauer puts a 5-gal. mix of Roundup and in a 10-gal. water pressure tank mounted on the buggy. The

tank is fitted with an air pressure valve stem. He simply pressurizes the tank and heads to the field. No need for a spray pump.

The bean buggy is fitted with a seat from a Ford 4000 tractor. An umbrella can be positioned above the operator's head.

Contact: FARM SHOW Followup, Edward & Eldon Hauer, Rt. 2, Box 71, Alma, Kan. 66401 (ph 913 765-3860).