

SCREEN SHOWS EACH SEED AS IT'S PLANTED

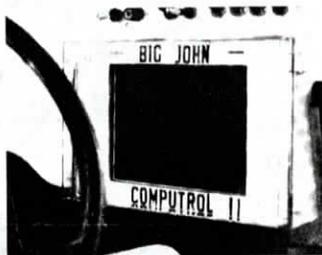
Planter Monitor Displays Actual Placement Of Seed

They're calling the new Big John Computrol II the "ultimate" in planter monitors because it displays each seed on the screen as it's planted, letting the operator instantly spot doubles, skips, or other problems.

"Other monitors show the total number of seeds dropped per row and the average seed spacing. However, this doesn't mean your planter is placing seed properly," says Kevin Blair, the farmer who invented the new monitor and licensed it to Big John Mfg., Inc. "It lets you watch each row unit perform and helps you analyze any problems that crop up."

The monitor also displays tractor and planter speed, total acres planted, and field acres planted. Visual and audible alarms sound if a row unit fails. It can monitor up to 24 rows at a time, and gives you a readout of population planted in each row. The screen shows a line for each row and marks each spot where a seed is planted so you can check actual seed placement with your own eyes on-the-go.

"Losses due to skips and doubles are often as high as 3 to 5 bu. per acre. Over 500 acres of corn, that could cost you \$5,000 to



Monitor shows each row and each seed as it's planted so you can catch doubles, skips and other problems right away.

\$8,000," says Blair.

The Big John monitor sells for \$3,400 complete with seed and speed sensors, cables, mounting brackets, and everything else needed to hook it up. It can also be used to test row units in the shop during the off-season and you can feed data collected by the monitor into another computer back home, if desired.

For more information, contact: FARM SHOW Followup, Big John Manufacturing, Inc., Box 456, Osmond, Neb. 68765 (ph 800 658-4471, 402 748-3860 or 3868).



Electric heater is thermostatically controlled to maintain 70° temperature inside box.

BUILT-IN ELECTRIC HEATER BLOWS WARM, DRY AIR AROUND ENTIRE CALF

Fiberglass "Calf Warmer"

New fiberglass calf warmer has an electric heater built into one end that blows warm, dry air around cold, wet newborn calves.

You lay the box on its side to get the calf into it, then flip the box up and use locking pins to close the lid. The heater is thermostatically controlled to maintain a 70° temperature inside the box.

"It completely dries and warms the calf in only one hour," says inventor Del Gehring. "The calf breathes warm air into her lungs and her scent comes out a vent on one end of the box so the cow can still smell the calf. It works better than putting the calf in hot water which can cause the mothering scent of the cow to wash off. It also works better than heat lamps which can get too hot and the intense light can hurt the calf's eyes. It can also be used for lambs. The heater

requires 220-volt electricity - it can't put out enough btu's on 110 volts. The box can easily be cleaned and disinfected with hot water."

The box lid can be inverted for use as a sleigh, allowing you to tie the calf onto the lid and transport her to the warmer. A propane heater adapter is also available, allowing the warmer to be used in the back of a pickup. The propane heater is controlled by the pickup's 12-volt battery.

Sells for \$629.

For more information, contact: FARM SHOW Followup, Zee-Tee Enterprises, Box 87, Nanton, Alberta Canada T0L 1R0 (ph 403 646-5632); U.S., contact: FARM SHOW Followup, Rod Hagen, Rt. 2, Box 358A, Pelican Rapids, Minn. 56572 (ph 218 863-4375).



Sprayer has engine and cab up front, articulated steering, air-bag suspension, and 55-ft. boom.

HIGHLY MANEUVERABLE SPRAYER BUILT FROM OLD "HIGH-BOY" SPRAYER

Articulated Spray Rig

By C.F. Marley

When Dennis and Harold Dobbin, Wheeler, Ill., decided to modify their Hagie high-clearance sprayer, they turned to local innovators Bruce and Roger Elliott, Montrose, Ill., for help.

The Dobbins wanted a lower profile machine with more carrying capacity, a better ride, and an enclosed cab that would protect the operator. The machine they ended up with has the engine and cab mounted up front, articulated steering, air-bag suspension, and a 55-ft. boom with 32 in. of up and down travel.

On the original Hagie machine, the operator sat up front and was positioned about as high as the top of the cab is now. The engine was behind the operator and the spray tank was mounted lower.

The new machine has most of the original frame as well as the torque hubs and the

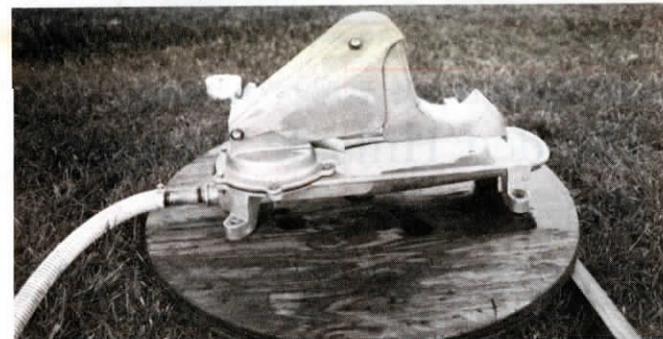
original hydraulics. The men built a new sub-frame which supports the pivoting articulation joint that's used for steering. Width of the machine is 60 in. with 26 in. of ground clearance. It's fitted with 24-in. tires.

The cab was built from scratch and is equipped with air conditioning. The spray tank holds 400 gal.

The builders also came up with a new boom design. It retains the original Hagie wings but they built a whole new center section that raises and lowers parallel to the ground.

The Dobbins use the maneuverable spray rig to top dress N on wheat and to spray corn and beans.

Contact: FARM SHOW Followup, Dennis & Harold Dobbin, Rt. 1, Box 20, Wheeler, Ill. 62479.



Cows nudge lever back with their nose to activate diaphragm pump.

ANIMALS NUDGE LIGHTWEIGHT CAST IRON LEVER TO PUMP THEIR OWN WATER

Waterer Makes Cows Do Their Own Pumping

You can get fresh, clean water to livestock on pasture without electricity and prevent damage to stream banks, ditch edges and ponds, say manufacturers of a new pasture pump that lets cows draw their own water by activating a small diaphragm pump with their nose.

Originally developed in Europe, the Pasture Pump has been available on a limited basis in North America over the past few years but has always been hard to get, according to Rajat Bhatnagar of Rife Mfg. Co., which recently started manufacturing the unit in Montgomeryville, Penn.

Made out of heavy-duty, lightweight cast aluminum parts, the waterer is easy to set up and move as needed. It'll pull water from

up to 126 ft. away and lift it as much as 26 ft. from a well or pond. Each stroke of the pump delivers 7/8ths pint of water. One pump can supply the needs of up to 30 cows.

"They figure out how to use it almost immediately since the movement needed to activate the pump lever is a natural one for them. They nudge the lever back with their nose, which activates the diaphragm pump, pulling water in. As they drink, they keep nudging the lever to get all the water they want," says Bhatnagar.

Sells for \$395.

Contact: FARM SHOW Followup, Rife Manufacturing Co., P.O. Box 857PI, Montgomeryville, Penn. 18936 (ph 800 743-3726 or 215 699-8870).