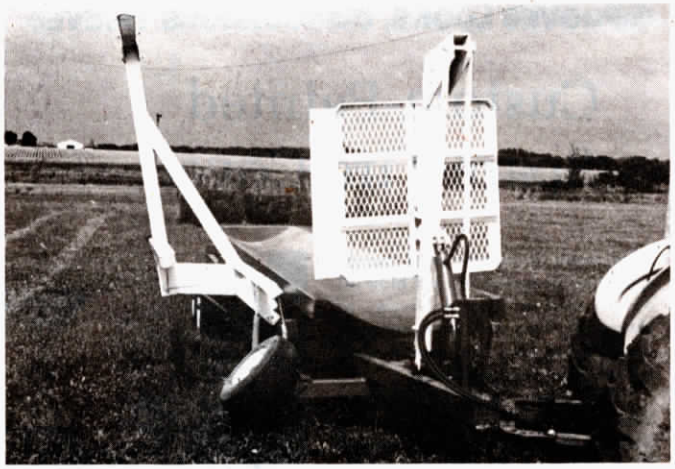


All-hydraulic 30 ft. wagon picks up five bales and unloads them in the same position they lay in the field.

LOADS "ON THE GO"

New Loader-Transporter Handles Five Big Bales

New from Balling Mfg., Colton, S. Dak., is a special-purpose wagon that picks up and transports large round bales. It's completely hydraulic, uses no chains and can haul five bales at a time. Bales are picked up by an extending arm on one side, placed on the cupped wagon bed, and then pushed by a ram toward the rear, making room for the next bale.

The 30-ft. long wagon tips hydraulically to the other side for unloading, and the watershed top of the bale, as it lay in the field originally, remains on top when a load is placed on the ground after transporting.

According to Bernard Balling, manufacturer, the wagon offers high-speed bale loading and hauling. "With experience, bales can be loaded on the go. A trip to a field a half mile away can be made, five bales loaded, and the wagon returned to the farmstead in about 15 minutes," he notes. "No hooking up or unhooking is required. All control is from the tractor seat."

Retail price of the wagon is $4,800.

For more information, contact: FARM SHOW Followup, Balling Mfg. Co., Rt. 2, Box 180, Colton, S. Dak. (ph 605 446-3303).

PUT P AND K CLOSE TO SEED

Deep Placement Fertilizer Shoes

A special-design shoe that mounts on the planter unit provides a way to place liquid fertilizer down into the soil close to the seed for quick uptake.

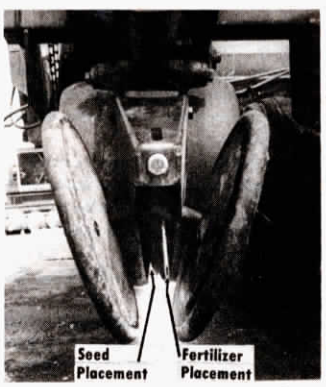
The system helps improve yields, says Bob Niemeyer, Bowling Green, Mo., manufacturer and marketer of the shoes, in that phosphorus and potash are placed near the seed rather than broadcast on top the ground. The shoes are suited for use on corn and milo, but not soybeans.

The shoes are especially suited to no-till systems. Without tillage, P and K usually remain near the top of the ground, because they do not move readily through the soil. Neimeyer's shoes place the two nutrients about an inch to one side of the seed and about an inch below it.

The shoe isn't suited to applying nitrogen, since placement of N near the seed might cause seedling damage. A full year's application of P and K can be made, or just the starter fertilizer.

The shoes are being made specifically for Kinze and Deere Max-Emerge planters, but models for other-make planters also are available, says Niemeyer. He also can supply deep placement shoes for runner-type planters.

The shoe is priced at $39, plus freight, and one is needed per planter row. For more information, contact: FARM SHOW Followup, Niemeyer Tractor & Farm Supply, Highway 61 South, Bowling Green, Mo. 63334 (ph 314 324-2070).



The special shoes place P and K about an inch to one side of the seed and one inch below it.

DEVELOPED BY MONTANA RANCHERS

Temperature Sensor For Dairy, Beef Cattle

After eight years of extensive research and testing, a Montana rancher and his partners are ready to manufacture and market their revolutionary temperature sensing device for dairy and beef cattle.

Bob and Esther Hamel, of St. Ignatius, and engineer Tom Kelly, plan to have their patented Hi-Temp Head Tags in production early this summer, with limited marketing to feedlots slated to begin this fall.

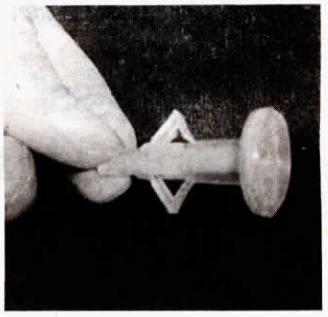
The small fever sensor, implanted permanently into a cavity behind the animal's ear, is a round disc with a silver button in the center. When body temperature rises, the silver button disappears into a cylinder and a bright orange spot appears on the sensor disc.

The sensor detects oncoming illness early. It can be read easily from a distance and by an untrained observer. Thus, at the first indication of trouble, often a couple of days before external symptoms show, a sick animal is spotted and pulled out for treatment.

Implanting the sensor takes less than a minute. It is not a surgical procedure and can be done by the average rancher with a special $5.00 tool. The Hi-Temp Head Tag can be applied to day-old calves as well as to full grown animals since the cavity does not change much in size as the animal matures. Cost is right at $1.25 per animal.

The sensor has proven accurate and reliable under all kinds of temperature situations. It detects only the body temperature rises that accompany ailments, and is not 'tripped' by most stress temperature rises caused by animals being normally chased or subjected to noise.

What is the sensor worth to the cattleman? Early detection can save $2.50 per day in lost gains, but it can also often prevent death of a valuable animal, says Hamel. He feels the sensor will perhaps be most useful in feedlots, and in dairy herds where dry cows and heifers are penned in large numbers as well as those observed daily in the milking barn. Hamelly International is also working on a miniature version of the HI-TT for sheep, swine and other small animals.



Hi-Temp Tags are implanted into a cavity behind the animal's ear (above). The sensor (below) is a round disc with a silver button in the center that changes to orange when body temperature rises.

The advantage of the head tag sensor is that it is simple, inexpensive, accurate, and easy to observe. The head tag can save up to 60¢ each over conventional eartags. HI-TT is larger than the largest eartag, and is chemically bonded to the permanent anchor, preventing loss of important identification numbers and records.

For more details, contact: FARM SHOW Followup, Hamelly International Inc., Airport Rd., Rt. 1, Box 68, St. Ignatius Mont. 59865 (ph 406 745-4455).