

Latest New Products, Ideas From Europe

FARM SHOW covers all major farm equipment shows in North America, Europe, Australia, and New Zealand. Featured here and on the next page is a report filed by our British correspondent Mike Donovan. Mike publishes *Practical Farm Ideas* for farmers in England, Ireland, Scotland, and Wales. Like FARM SHOW, it focuses on new products and "made it myself" ideas born in farm work-

shops. Mike recently traveled to the Fieragricola farm show in Verona, Italy, and was kind enough to let us in on some of the new ideas that caught his eye at the show.

If you'd like to see a copy of Mike's *Practical Farm Ideas*, send a \$5 bill to: *Practical Farm Ideas*, P.O. Box 1, Whitland, Carmarthenshire, SA340hz United Kingdom.



Mike Donovan, Publisher
Practical Farm Ideas

Revolutionary "Non-Stop" Baler

A British inventor says his new non-stop round baler will make hay at speeds up to twice as fast as today's fastest round baler.

Geoff Eyre recently unveiled his new design to farm reporters in England. Eyre farms and also manufactures a popular round bale trailer which was once featured in FARM SHOW (Vol.11, No. 5).

The new baler consists of a double wide bale chamber that runs at right angles to the direction of travel. It's fed by an offset pickup that runs off to the side of the tractor. A cross auger carries hay to the bale chamber, which makes a bale 8 ft. long by 4 ft. dia. Once the bale has been formed, a retractable knife cuts it in half producing a pair of 4-ft. bales.

Once cut and wrapped, bales are ejected onto a cradle that holds four bales and can dump all four at once.

As the bales are being cut and ejected, the baler keeps right on picking up hay, depositing it onto a platform right behind the cross auger. Once the bale chamber is ready again,

rotating tines pull the hay into the cross auger.

To ensure that hay is distributed evenly in the bale chamber, material delivered by the cross auger is distributed by a series of rotating paddles.

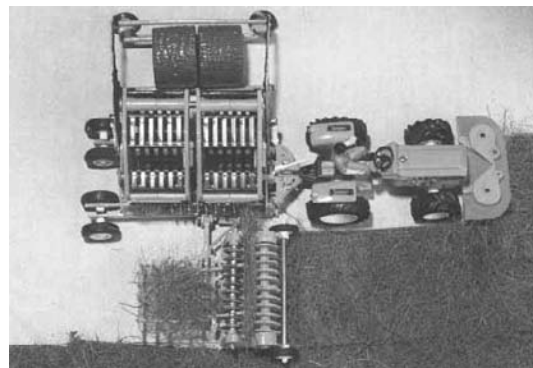
Eyre says the baler's large pickup and bale chamber allows it to pick up the biggest windrows with ease. An 85 hp. tractor will pull the double baler.

Design of the baler grew out of Eyre's frustration with having to wait for bales to be wrapped. He figures that during 23 years of baling, he's spent the equivalent of 15 weeks doing nothing but waiting for the baler to wrap and eject bales.

Eyre plans to use his prototype to attract investors interested in bringing the new baler to market.

Contact: FARM SHOW Followup, Geoff Eyre, Traileyre, Bradwell, Derby, United Kingdom (ph 44 1433 620353; fax 44 1433 620430).

Eyre made up these models of his prototype to illustrate his innovative new "non-stop" design. Hay is cross-augered into a double-wide bale chamber. While bale is cut and ejected, hay accumulates on platform behind pickup. Once bale chamber is empty, rotating tines pull hay off platform and onto cross auger.



Photos courtesy Farm Contractor Magazine



No-Hands Udder Washer

An Italian dairy farmer developed this new "no hands" udder washer that first sprays water on the teat and then cleans off the dirty water using compressed air.

The manufacturer says the air pressure is sufficient to rapidly clean all loosened dirt away so that most teats are cleaned without being touched.

The benefits include virtual elimination of paper cloths or towels, a savings of hundreds of dollars a year even for an average size herd. Also, water stimulates milk let-down and the machine provides a good washing but without the dangers of cross infection. The transmission of germs through the workers' hands and towels is minimized.

The machine consists of a plastic handle which has a pair of triggers, one for water and the other for compressed air. A nozzle for water is located at the end of the handle. A ring with an internal diameter of about 2.5 in. is fixed to a tube which connects with the air line. A series of small diameter holes are drilled facing the center of the ring.

To use the machine, you put the ring around each teat in turn, pulling the water and air



Air and water hoses hook up to new teat-cleaning ring for quick and easy cleaning without fear of cross contamination.

triggers to clean off dirt. You finish with air alone, working from top down to dry off.

Speed of cleaning is equal to using towels. Contact: FARM SHOW Followup, Technolam Italiana Srl., via G di vittoria, 13/1/a, 42030 Vezzano (RE) Italy ph 522 606232; fax 522 601491).

Cattle Chute Fitted With Electric Winches

The 110-volt electric winches on this Italian-built cattle chute are designed to reduce the amount of muscle needed to work cattle without the need for expensive hydraulics.

There are two winches, with a control box on the side. One winch cinches up the belly

strap and the other cranks up the leg rest for trimming.

Contact: FARM SHOW Followup, Travagli Spaer, Vincinale do Via Madonnina, 25018 Montichiari (BS) Italy (ph 30 9960786)

Sensors mounted out to either side of dry fertilizer spreader "read" the amount of chlorophyll in the leaves of a growing crop.

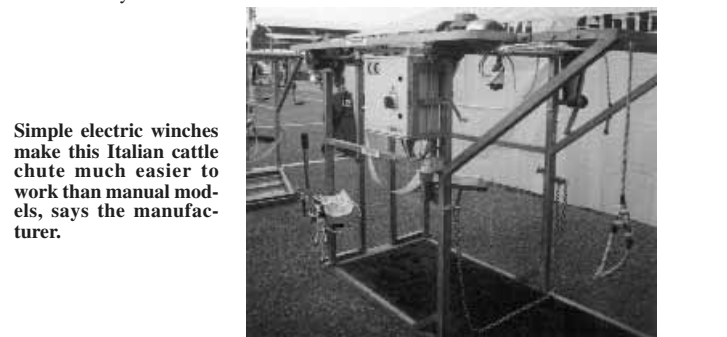
Sensor-Controlled Fertilizer Spreader

A new dry fertilizer spreader varies the rate of application by "reading" the color of the crop with special sensors that tell the machine how much nutrient the crop needs.

Sensors mount on arms off to either side of the machine. They're able to actually determine the amount of chlorophyll content in the leaves. The data goes into a computer which instantly calculates the amount of fer-

tilizer needed. That information runs through electronic controls that vary rate of application on-the-go.

The sensor-controlled applicator - designed primarily for spreading nitrogen on growing crops - was a joint effort of four European companies - Amazone-Werke, Massey Ferguson, Dronningborg, and Hydro-Agri.



Simple electric winches make this Italian cattle chute much easier to work than manual models, says the manufacturer.