Low Cost Way to Feed Big Bales

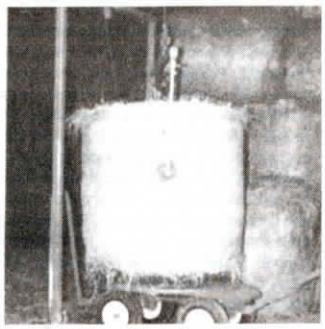
You'll like the price tag on this new combination "cart and lift" system for feeding big round bales in tie-up or stanchion barns, or any place else where there is a need for the bale to be spread out for feeding.

A portable lift, equipped with a hand winch, loads bales onto the round table of a 4-wheel steer cart which is used to transport bales to the feeding area. You manually unwind the bale as you move the cart along the feeding alley. The lift sells for $540 (Can.) and the cart for $640.

The cart's 22 in. dia. round table is mounted on tapered roller bearings for easy turning. A hand lock prevents undesired rotation. A parking brake engages when the cart handle is up. The cart is 19 in. high; track width (outside to outside) of the wheels (4.8 by 8) is 28 in.

The portable lift for loading bales onto the cart handles 4 to 5 ft. dia. bales. Bales can be lifted from any position. Bales stored outside can be loaded onto the cart with a tractor loader grapple fork.

Also available for stationary use, such as unwinding bales from a second floor into a



stable below, is a cart with a skid-mounted round table.

Contact: FARM SHOW Followup, Creekbank Welding, Rt. 1 Elmira, Ont., Canada N3B 2Z1 (ph 519 846-5451).

Deere Introduces New Utility Vehicles

Deere's new GATOR utility vehicles provide a low center of gravity, a wide-stance front for stability and a payload capacity up to 1,200 lbs.

The larger 18 hp GATOR "6 by 4" rides on a 6-wheel chassis with 4-wheel drive and differential lock. It's powered by a twin cylinder liquid cooled KHI engine. Total payload capacity (with operator and passenger) is 1,200 lbs. Maximum ground pressure for a fully-loaded 6 by 4 vehicle is only 7.1 psi, allowing you to travel through mud, muck or snow more easily. Retails for right at $6,600.

The smaller "4 by 2" GATOR rides on a 4-wheel chassis with 2-wheel drive differential lock. It's powered by a single cylin-

der air cooled KHI engine and boasts 900 lbs. payload capacity. Retails for about $5,000.

Both models have a maximum ground speed of 15.5 mph and, thanks to their continuously variable transmissions, are easy to operate — no gear shifting or clutching to contend with.

See them on display soon at your nearest Deere dealer.

Water-Powered "Sling Pump" Powers Itself

That first-of-its-kind self-powered water pump from Sweden that we first told you about two years ago (Vol. 15, No. 3) is now on the market in the U.S. and Canada.

The "Sling Pump" pumps up to 2,000 gal. a day out of a stream as shallow as 10 in. with no outside power source at all. It consists of a hollow plastic cylinder with an aluminum propeller on front. A plastic hose is coiled up inside the unit, covering the inside walls. The open end of the hose is positioned near the bottom of the cylinder, which fills up with water when anchored in a flowing stream or river. The flow of water turns the propeller and the cylinder, forcing the open end of the hose in and out of the water so that first air and then water are continually packed into the hose, pumping water out the end of the unit to wherever it's needed.

It'll pump water up to a mile away at about 8 psi and will even push it uphill as much as 82 vertical feet. It's virtually maintenance-free and will run for years without any repairs or maintenance whatsoever other than keeping it clean, says the U.S. importer Rajat Bhatnagar of Rife Hydraulic Engine Manufacturing Co.

The pump is 20 in. dia. and 33 in. long,

weighs about 20 lbs., and is made out of plastic. It can be used on lakes, ponds and other non-moving bodies of water by attaching an optional wind-powered propeller.

Sells for $895 (pumps 800 gal. per day). Larger units, with capacities up to 4,000 gal. a day, are also available.

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

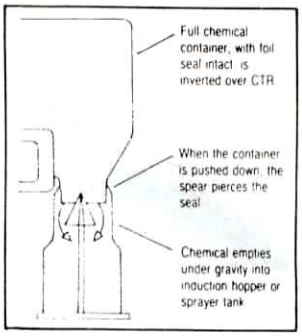
Low-Cost Chemical Transfer

Loading spray tanks with the new CTR (stands for Chemical Transfer Rinse) system is simple, safe and inexpensive.

Priced at under $500, it does the job of transferring chemicals (full or partial containers) direct from the container to the spray tank a lot cheaper than complicated competing systems, says the manufacturer.

The compact CTR unit is 10.5 in. high, 6 in. wide at the base and weighs only 12 oz. It comes complete with water connections and is designed to transfer and rinse in one simple operation. A built-in spear pierces the foil seal on chemical containers, empties them and then rinses them.

Traditionally, partial measures are transferred from chemical container to sprayer tank with a measuring jug — an inefficient and potentially dangerous operation. The CTR, thanks to a special Partial Measure Cap that comes with it, makes the job simpler and safer, says the manufacturer. The special slotted rubber cap is screwed on over the container's intact cap and foil seal. The container is then inverted over the CTR



and pushed down. The spear goes through the cap and pierces the foil. When the required amount has emptied out, the container is removed. The special Partial Measure Cap prevents loss of chemical from the inverted container as it's removed from the CTR.

Contact: FARM SHOW Followup, Stoller Canada, 940 Sheldon Court, Burlington, Ont., Canada 171 5K6 (ph 416 632-8503).

World's First Double Bale Wrap Machine

First-of-its-kind 2-bale wrap machine - developed by the Norwegian baler manufacturer Kverneland with the help of a French ag engineering institute - wraps up two bales at once sitting side by side, and then stands the two wrapped bales on end when it dumps them off the back.

Wrapping two bales at once saves about 25 percent on plastic and cuts bale wrapping time virtually in half when making silage bales.

Bales sit side-by-side on a pair of rollers and the platform rotates slowly while the rollers turn the bales. The plastic-wrap arm remains stationary as the bales turn. Once wrapped, the bale platform raises up vertically, setting the bales on end. A hydraulic-controlled grip arm at one end of the bale platform grabs onto the top end of the bale to steady it. The bale wrapper can also be used to retrieve the double wrapped bales to haul them back to the farm. Standing the bales on end is the easiest way to handle them since most front-end loaders could not handle the heavy double-bale package.

Kverneland plans to put the first machines on the market this spring after introducing the bale wrapper at the SIMA Show in Paris.

Contact: FARM SHOW Followup, Kverneland AS, P.O. Box 454, N-4301 Sandnes, Norway (ph 04 622411; fax 04 622415). **(Reprinted from Top Cultures Magazine)**

"Foodball" Keeps Hogs Happier

Scottish researchers are excited about their new "Foodball" that lets hogs root around normally for their food rather than simply going to an open feeder and getting whatever they want.

Developed at the Scottish Agriculture College in Edinburgh, Scotland, the Foodball is 54 in. in dia. and covered with knobs on the outer surface that keeps most of the ball clear of the pen floor. As hogs push it around the pen with their snouts, small amounts of feed are released randomly by a metering device inside the ball, which holds a total of about 13 lbs. of feed.

The developers say the effort needed to release food from the ball mimics the way animals find food in the wild and it gives animals exercise and helps reduce boredom. By adjusting the metering device inside the ball, you can keep hogs active all day yet still control feed consumption. What's more, when used with hogs kept outside, the Foodball is said to reduce rooting damage in fields by as much as 60 percent.

Photo courtesy Farmer's Weekly

Smaller Foodballs are also being developed for dogs as well as for other animals. Animal welfare advocates reportedly love the idea.

Contact: FARM SHOW Followup, Scottish Agricultural College, Edinburgh, Scotland.