

Bonco Manufacturing's new big bale fork bolts to the front of a stack mover with just four bolts.

ALSO GRAPPLES LOOSE HAY, 55-GAL. DRUMS, MOTORS, ETC.

A Big Bale Handler For Your Stack Mover

You'll eliminate an extra tractor and lots of labor with the new Bonco big bale "fork" that turns any stack mover into a first class, self-contained big bale wagon.

The all-hydraulic fork attaches across the front of the stack mover, picking bales up "on the go" in the field, according to Jack Bontrager, inventor and president of Bonco Manufacturing, Jamestown, N. Dak. "You don't need to stack bales in the field first and then go pick them up," he notes.

The Bonco fork, with a reach of more than 10 ft., places two bales side by side on the stack mover, then adds a third bale on top. The bales then slide back, leaving room for three more.

Bontrager says the new handler will pick up bales of any size, and from any angle. There are two cylinders on the grappler itself — a 60-in. cylinder inside the main square-

tubed lifting arm, and a directional cylinder that moves the fork back and forth.

"Once loaded, you can unload bales all at once, or drop them off one by one. It'll drop them into feed bunks or grinders. In addition, when needed, you can pick up loose hay, 55-gal. drums, pull motors out of cars, or any number of things," says Bontrager.

He adds that the mover will adapt to virtually all stack movers, bolting with just four bolts across the front of the wagon. The company is also marketing a 3-pt. mounted version of the fork.

The new bale handler sells for around \$3,950.

For more information, contact: FARM SHOW Followup, Bonco, Mfg., Box 102, Jamestown, N. Dak. 58401 (ph 701 252-8125).

SHAPED LIKE A BARREL, IT GENERATES 10 KW OF POWER

First-Of-Its-Kind "Plastic" Windmule

Meet the new Windmule — the first "plastic" windmill on the market. Shaped like a barrel, it generates a full 10 KW of power with just a 10 mph wind, thanks to its exclusive omni-directional "flaps" that catch the wind from every angle.

"The design lets wind pass through the drum. It pushes once going in and again going out, rather than just once as with conventional windmill blades," explains Ken Eberhardt, of Vartec International, Overland Park, Kan., manufacturer of the new Windmule.

Located at the base of the wind "barrel" (made from rock hard G.E. Lexan polycarbonate) and belt-driven off the wind-driven drive

shaft, are three alternators. They generate direct current that's transmitted to a Vartec transformer and battery power pack which can be located anywhere near the base of the windmill.

According to Eberhardt, the new Vartec solid state transformer is also the first of its kind on the market and the key to the new windmill's success. "Most transformers are no more than 68% efficient. We've measured this new unit at 96% efficiency. It increases power output of the system by nearly a third. Power leaves the transformer as 110-V or 220-V alternating current, which is suitable for most household appliances."

The Windmule needs at least 8



The Cop feed bucket attaches like a loader bucket to any tractor loader.

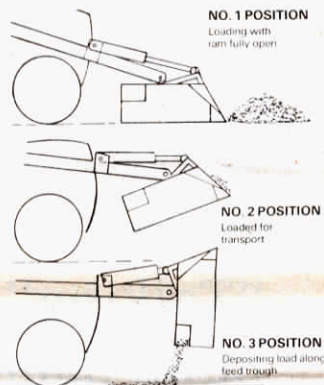
LOAD AND FEED WITHOUT LEAVING TRACTOR

Self-Load Bucket For Easy Bunk Feeding

You'll like this tractor loader feed bucket from Cop Engineering in Derbyshire, England, designed to load itself and feed most any free-flowing bulk material, including silage, to livestock.

The triangular-shaped bucket is fitted to an otherwise standard hydraulic loader equipped with power tilt (a power pack kit for loaders not fitted with power tilt is available). You fill the bucket like any other loader bucket by scooping it along the ground. In transport, the bucket is kept in the horizontal position, and tipped vertical to unload into bunks or onto the ground when feeding livestock.

"The bucket will hold 30 cu. ft. and handle 700 to 800 lbs. of feeds or other materials. It has no moving parts, is low in cost, and lets you save time by loading and distributing with one machine," says Smith, Cop sales representative.



The 30 cu. ft. feed bucket sells for \$850 in the U.K. A 37 cu. ft. model is also available, for \$940.

For more information, contact: FARM SHOW Followup, Cop Engineering, Somersal Mill, Doveridge, Derbyshire, England.



Barrel-shaped "Wind Mule" catches wind from every direction.