

Ejector bucket looks like any farm loader, left, until ejector blade pushes forward, right, dumping load.

CAN ALSO BE USED AS A DOZER BLADE

Self-Dumping Loader Bucket Now On Market

A "made-it-myself" idea, born in a farm workshop and first featured in FARM SHOW four years ago, is now being manufactured commercially.

Invented by Bruce Johnson, Raleigh, N.C., the ejector bucket — called the Doz-A-Loader — picks up its load like any other bucket loader. But to dump, you simply activate a cylinder that pushes the load out the front.

"The key is a simple, trouble-free mechanism that guides the ejector blade forward and rearward, preventing dirt, snow or manure from sticking in the corners of the bucket," Johnson told FARM SHOW.

One advantage of the new-style loader is that, with the ejector blade all the way forward, it can be used as a conventional dozer blade. Johnson says it actually works better, because the side plates of the bucket act as skid shoes. When plowing snow, for

example, you don't have to worry about tearing up your driveway. And, unlike a conventional dozer, you can pick snow up and stack it.

"Another advantage is that although the bucket can dump conventionally, the load can be pushed off the bucket when dumping into a high-sided wagon or truck, enabling a small loader with limited reach to do more work," points out Johnson.

He has also incorporated the ejector system into a pull-type scraper, which allows the operator to control the amount of fill picked up, and to spread the dirt picked up more accurately since it can be ejected gradually.

The standard tractor bucket is 7 ft. wide and sells for \$800.

For more information, contact: FARM SHOW Followup, Bruce W. Johnson, Rt. 5, Box 204-I, Raleigh, N.C. 27604 (ph 919 266-0309).

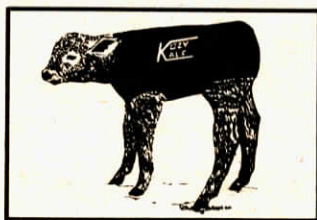
WIND AND WATER RESISTANT

"Kozy" Jacket Protects Newborn Calves, Colts

Blustery winds and chilly rains can be tough on newborn calves and colts born outdoors. To keep them warm, Big West Livestock Equipment Co., White Earth, N. Dak. has introduced the "Kozy Kalf" jacket.

Made of nylon fabric, it's water and wind resistant and is made with the quality of a snowmobile suit, says designer-manufacturer Verlin Swartzendruber. He notes that ranchers generally let a calf wear the jacket for the first one or two days to keep the animal dry and warm, which can help in the battle against scours and pneumonia.

Swartzendruber says dairymen can



Jacket fastens with velcro straps.

use the jacket on healthy calves in hutches during extremely cold weather, and to fight chills and help stabilize the body temperature of sick calves.



Diker digs holes 5 in. deep, 6 in. in dia., and spaced 2 ft. apart to trap water.

MAKES HOLES WHICH TRAP, HOLD WATER

New "Diker" Prevents Costly Water Runoff

Latest new development for preventing costly water erosion is the "Dammer Diker" which digs holes in the ground to trap and hold water.

Ag Engineering and Development Co., Tri-Cities, Wash., says its new 'reservoir tillage' system reduces water runoff and helps cut erosion losses on both dryland and irrigated ground.

During its first year of use last year, the Dammer Diker was used primarily on potato and sugarbeet fields in the Northwest. However, it's also been successfully tested on other crops, including corn and wheat and the company is establishing a Midwest sales office.

The concept of using dikes to reduce erosion has been around for many years but, a company spokesman points out, the Dammer Diker is the first machine that digs holes in the ground to trap water, rather than building small dams or dikes on top of the ground from loose dirt. The holes (6 in. in dia. about 5 in. deep and spaced 2 ft. apart) trap water and keep it from running into low spots and wheel tracks.

The 3-pt. attaching Dammer Diker features a front toolbar with subsoiler shanks that rip a furrow up to 12 in. deep, loosening the soil for the 'spider' wheels. The 4½ ft. dia., adjustable depth, ground-driven wheels, have a 7 in. wide blade on the

end of each spoke. It acts like a shovel, rotating 60° while in the ground to dig each hole. The wheels are timed so the holes from one row to another are alternately spaced to prevent water flow across the rows.

Besides the benefits of reduced runoff and erosion the company points out that the dikes hold water which helps in times of scarce rainfall and helps cut irrigation costs. Also, since the soil is subsoiled the water percolates better and plant root growth is stimulated.

A company spokesman explains that, on corn ground, you'd use the Damer Diker as your last cultivation pass. On solid seeded ground, you'd go through the field after sowing, and the crop would come up around the "implanted reservoir" holes.

Harvesting doesn't present any problems since most wagon and combine tires are large enough so there isn't much bouncing. However, with smaller tires, the ride may be a little bumpy, the manufacturer points out.

Dammer Dikers are available for 4 to 8 rows and require about 20 hp. per row. The 6-row model sells for right at \$12,000.

For more information, contact: FARM SHOW Followup, Ag Engineering and Development, Co., P.O. Box 2814, Tri-Cities, Wash. 99302 (ph 509 735-3596).

The jacket fastens with a velcro fastener in front of the calf or colt and under its stomach. The material is black to absorb heat and is machine washable.

The Kozy Kalf jacket for calves sells for \$27.50. A larger jacket for colts

and ponies sells for \$32.50.

For more information, contact: FARM SHOW Followup, Big West Livestock Equipment Inc., Star Rt., Box 50, White Earth, N. Dak. 58794 (ph 701 755-3489).