

Every other sickle section is turned upside down on the new cutterbar.

"Upside Down" Cutterbar

You've never seen anything like this new "upside down" cutterbar that has every other sickle knife turned toward the ground to lessen wear and tear of the cutting operation.

Developed by a West German manufacturer, the new cutterbar, which also features a new sickle guard design, has been tested for two years on John Deere, International Harvester, Massey Ferguson and other combines. The cutterbar will also adapt to swathers, forage choppers, and any other field machine that uses a sickle-type mower.

"This design practically eliminates plugged blades and bent sickle sections. It stops the tearing of stalks and there's less breakage of sections and guards," says company owner H. Schumacher.

"The key feature of the system is that, while one blade is cutting in an upward fashion against a finger, the adjacent blade is cutting downward against another finger. This evens out wear along the entire cutterbar, requiring less energy and paying for itself by preventing breakdowns and maintenance problems. It runs quieter with less power demand on both the bar and drive unit," says Schumacher.

Cost of the new mowing kit is right at \$30 per foot of cutting width.

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Stuffed horse demonstrates how liquid soaks right through chopped rubber flooring.

Flow-Through Rubber Cow Mats

If you make use of rubber mats in your barns, you'll be impressed with these "chopped up" Drainoflex rubber mats from West Germany.

As demonstrated at the DLG Exhibition by a small stuffed animal with a water tube through its middle, Drainoflex mats let water and urine drain through, almost as if there were nothing there.

According to Hanke, Drainoflex mats are made up of a mix of polyurethane and high quality rubber, eliminating the need for bedding and providing a better floor for any confined animal. The mats retain warmth and guarantee a slip-proof surface.

Liquids that drain through the mats are carried away by 3/4 in. high channels that make up the bottom of the mats. Solids remain on the surface of the mats and can be scraped off normally. Pores in the mats are so large, they won't plug up even after prolonged use.

Drainoflex mats sell for around \$30 a sq. yd.

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A 7 in. dia. log, fed into the new splitter by hand, is chopped into fireplace size lengths in seconds.

New Splitter "Swallows" Logs Whole

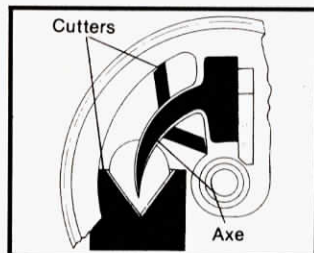
You won't believe your eyes when you see the new Klapi-Tuiko log handler swallow a 10 ft. log in seconds, then spit it back out cut and split to perfect firewood dimensions.

"So far as we know, this is the only machine of its kind in the world," says Manfred Bauer, West German distributor of the Finnish-made machine. "It works as fast as a wood chipper on full-size logs except that it splits wood into perfect fireplace size."

The pto-powered wood handler is designed to handle soft or hardwood. Mounted on a minimum 35 hp. tractor, it'll handle logs up to 7 1/2 in. in dia. of any length.

As the log is fed into the machine, it is first split with a curved blade mounted on a heavy-duty rotating shaft. The wedge-shaped blade splits the log one way down the middle and then withdraws. If you want to split the log into four pieces rather than two, you simply turn it quickly in your hands and the blade will split it again on its next downstroke. Then, the log is pushed in all the way to a rear stop plate and cut off to length by a second blade. You can completely process a log as fast as you can physically feed the log in.

The blades never have to be sharpened because they are designed to cut with a wedge-type pincer action. They're chain driven by a sprocket driven by the pto, with enough power



Curved "axe" knife splits cradled log as cutter knives cut it off to desired length.

to split logs of any size. The machine was limited to this size, however, because of difficulties in manually handling larger logs," explains Bauer.

According to the company, the splitter can split 3 to 4 cords of wood an hour. There is an overload switch to prevent damage to the equipment should the blades hit an obstacle. The length of the cut pieces can be varied from 10 to 24 in. by adjusting the position of the back plate.

The new machine sells for \$3,000 in West Germany. The company is looking for distributors in North America.

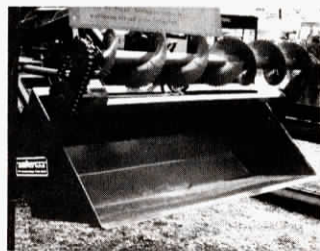
Contact: FARM SHOW Followup, Manfred Bauer, Baugerate Union, Hardstrasse 9, 8800 Ansbach-Brodswinden, West Germany (ph 09 81 75 26).

Loader Bucket Silage Auger

A new loader auger, hydraulically powered and designed to peel silage neatly off a stack and directly into the bucket, is one answer to simplified silage handling.

The loader from Germany is designed to mount on any tractor loader. It consists of an auger, a support frame which is spring-loaded so it can move back and forth against the silage stack, and a hydraulic motor at one end of the auger driven by the tractor hydraulics.

The auger is available in sizes ranging from 3 1/2 ft. to 5 1/2 ft. and ranges in price from \$900 to \$1,200, including the loader bucket. A kit will soon be available to mount the auger on any bucket.



Silage bucket mounts on any tractor loader.

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