



Clark can wrap 20 bales per hour. Floodlights let him bale at night, when needed.

## Pickup-Mounted Bale Wrapper

(Continued from cover page)

is also much more stable on hillsides and with 4-WD can go almost anywhere," says Clark, who farms and custom wraps bales and is also an Underhaug bale wrapper dealer. "Most tractors have only 2,000 to 2,400 lbs. hydraulic pressure so you must run the tractor throttle fast to lift the bale, but I can lift and wrap bales with the pickup idling. I can wrap 20 bales per hour with it. I've already wrapped a total of 6,000 bales."

Clark says he built the pickup-mounted silage bale wrapper because farmers often didn't have a tractor ready for him when he brought the trailer to their farm, and most of them preferred not to have someone else run their tractor anyway. "Now when I come to the farm the farmer doesn't have to be there at all. The 4-WD pickup lets me wrap bales in muddy fields where a tractor and trailer would have more trouble maneuvering. The pickup is easier to maneuver than a tractor and trailer and lets me turn shorter and back up with ease. Its wide frame holds the bale stable on hillsides unlike a trailer-mounted

wrapper where one side can tip up."

Clark lengthened the loading arms 6 in. to compensate for the height of the pickup wrapper frame and installed lights that shine on the loading arm at night. "We've wrapped bales until 2:30 in the morning," notes Clark, who also mounted a concave rear-view mirror on the side of the pickup so he could see better around the bale wrapper.

By removing two pins from the loading arm and two pins at the rear of the wrapper, Clark can remove the bale wrapper after summer is over and replace it with a hydraulically-operated Dew Eze 2-bale bale mover. He spent \$2,000 to modify the pickup and bale wrapper.

Contact: FARM SHOW Followup, Bernard Clark, 59761 Sandy Ridge Road, Barnesville, Ohio 43713.



Side-mount backhoe swings 180° back and forth. Reaches out 18 ft. from tractor.

## CAN ALSO BE USED WITH MOWER AND HYDRAULIC-POWERED DITCH CLEANER

# First-Of-Its-Kind Side-Mount Backhoe

"So far as we know it's the first side-mount backhoe ever built for farm tractors," says Chris Heavilin, of MoTrim, Inc., about the company's new side-mount backhoe for cleaning irrigation and roadside ditches.

The backhoe has a reach of 18 ft. and swings a full 180° forward and back. Three hydraulic cylinders on the boom raise and lower the arm and control the bucket. Two additional cylinders positioned under the

frame swing the arm back and forth.

The bucket can be removed in minutes and replaced with the company's hydraulic rotary mower, which attaches with 4 bolts.

Sells for \$22,000, including a 60-in. mower.

For more information, contact: FARM SHOW Followup, MoTrim, Inc., P.O. Box 827, Cambridge, Ohio 43725 (ph 614 439-2725).

## CUTS 2-TON ALFALFA HAY AT 11 MPH WITHOUT CLOGGING

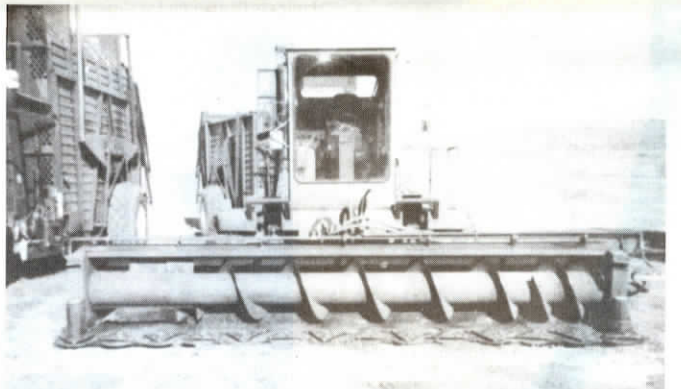
# They Call This The World's Best Mower

"It lets us cut 2 ton/acre alfalfa hay at 11 mph all day without clogging and is equipped with a crimper and windrow "tunnel-maker" for fast drying. We think it's the best hay mower-conditioner in the world," say Jas and Doug Dale, Ulysses, Kan., about their 18-ft. wide self-propelled rotary disc mower.

The machine is actually a highly modified Lowe mower which they bought in 1980 for \$52,000 from Terry Lowe, Oak Harbor, Ohio, who built about 38 of the rigs before going out of business (the Dales, who commercially produce and harvest alfalfa hay, bought three of the mowers). Lowe's mowers were originally equipped with two Vicon 6-rotary disc cutterbars laid end to end. Some were center dump heads and some were end dump heads. The Dales decided to design their own head, finding that the Lowe-built head was too flimsy and wouldn't cut right.

In 1982 they stripped the original 16-ft. 12-rotor head of everything but the cutterbar and feed auger. With the help of Bill's Shop in Moscow, Kan., they designed and built a new 18-ft. 14-rotor center dump head. The new head was built out of R.O.P.S. 4 by 4-in. and 3 by 4-in. steel tubing and the pan and ends were built from 3/16-in. steel plate. By the end of 1989 the head had cut over 33,000 acres with no modifications.

In 1986 with the help of Kanamak Consulting, Garden City, Kan., they totally redesigned all the hydraulics, which is a common complaint of Lowe mowers, making it possible to add a hydraulic-driven crimper. It consists of a pair of intermeshing 10-in. dia. steel rolls that are 42 in. wide. The amount of conditioning can be varied by adjusting spring tension on the rollers. They also modified the header float and lift system. They used two 3 by 8-in. hydraulic



"After 10 years experience with this rotary disc mower we'd never go back to a sickle machine," say Jas and Doug Dale.

lift cylinders, four gas shocks to control header bounce in the field, and two big coil springs. The head can tilt side to side to easily cut uneven terrain.

The Dales made two other modifications to the Vicon cutterbar. They built sleeves that bolt onto each disc to stop debris from tangling around the disc bearings. They also replaced the top steel-caged disc bearing with a nylon-caged bearing. Since making the change they have had no bearing failures.

The mower is equipped with a 145 hp Deutz air-cooled engine, Eaton variable transmission, and French-built "Proclain" power wheels. This year the Dales built two more 18-ft., 14-rotor end dump headers to fit their other two mowers. They mounted the crimpers on the right side and put a 5-ft. long, 6-in. dia. pipe behind the crimper to make a tunnel which lets air pass through the windrow to allow faster drying. "Now

we can lay two 18-ft. windrows side by side and merge the two into one 5 1/2-ft. windrow with our Vicon 3-pt. mounted RC 330 hay tedder," says Jas.

The Dales use Hesston 60B stackers to put up their hay. "By going to these end dump heads we don't have to rake the hay together which saves a lot of leaves. There are a lot of advantages to this system including fuel savings, time savings, and less compaction."

Jas notes that they're looking for a manufacturer who'd be interested in building a mower like theirs. They're currently negotiating to buy the remaining Lowe parts inventory from a Nebraska firm. The mower will be on display at the 1991 31 Show next spring (April 25-27) in Garden City, Kan.

For more information, contact: FARM SHOW Followup, Doug Dale, Ulysses, Kan. 67880 (ph 316 356-1587).

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