Wedge-shaped wicks fit right down between the rows, separated from the crop by row shields.

The bottom of the steep-sloped box is indented to fit over the center beam on a 4-wheel wagon gear.

**GETS WEEDS SHORTER THAN CROP ITSELF**

# New Between-The-Row Rope Wick Applicator

First on the market with a commercial rope wick applicator that wipes between-the-row weeds shorter than the crop is Porter Mfg., Lubbock, Texas, with the "Chem-Till."

George Porter, president of the company, says the applicator can also be used to wick in-the-row weeds taller than the crop.

Key to the Chem-Till unit is the V-shape rope wick applicators that adjust for rows 20 to 40 in. wide. Between-the-row units mount on the front of the Chem-Till's frame. Shields keep the wick from touching the crop.

Optional above-the-row applicators that look similar to the between-the-row applicators are available to mount on the back toolbar of the frame. These units can be set in three different positions, depending on crop heights. For young crops, a gauge bar mounts behind the row units riding on the ground, keeping the wick off the crop.

The above-the-row units can also be mounted on a cultivator for wicking in-the-row weeds that a cultivator can't get to.

Porter points out that the Chem-Till allows you to use a less concentrated chemical solution since the wedge shaped ropes, by design of the rope and air pressure, are kept wetter. Thus, there is more surface contact on weeds when wicking.

Two 10 gal. aluminum tanks sit on the Chem-Till frame. One holds water to wash down the dusty wicks while the other holds the chemical solution. The air compressor that creates the pressure within the system is mounted on the unit's frame and is powered off the tractor's battery.

Cost for a 6-row Chem-Till is $2,590. With the optional over-the-row units, total cost is $3,424. An 8-row model is also available.

For more information, contact: FARM SHOW Followup, Porter Mfg. Corp., P.O. Box 1887, Lubbock, Tex. 79408 (ph 806 747-4386).

**DUMPS 100% OF EVERY LOAD**

# New "No Stick" Wagon Has Steep 45° Bottom

Here's a new "angle" in grain wagons — a "no stick" design with a 45° sloping bottom to completely dump every load.

Developed by J & H Equipment Co., Plain City, Ohio, the new wagon drops sharply from high sides to a sharp point at the bottom, rather than the flat bottom found on most gravity wagons. When the new wagon dumps, say its designers, everything dumps — no matter how high the moisture content.

"It dumps its load in a minute or less through 14-in. doors on either side of the 'V' at the bottom of the wagon. At most, a handful of grain might be left on the side support braces," says Harry Weeks, of J & H.

Capacity of the unique wagon is 475 bu. It stands 10 ft., 6 in. off the ground, is 8 ft., 9 in. wide, 11 ft. long and there's 13 in. of clearance between the bottom of the "V" and the ground. Weeks says that although the clearance is somewhat less than most gravity wagons, it has been more than enough even in the roughest fields.

The prototype wagon is mounted on a running gear with 21-in. flotation tires.

Weeks explains how the wagon reaches such a low point and thus the steep dumping angle. "The bottom of the V-shaped box is indented to fit over the center beam on a 4-wheel wagon gear. This gives the wagon a very low center of gravity — so low that it pulls easier than conventional wagons and, of course, dumps much quicker and with less work," says Weeks.

The new-style wagon box sells for $2,610. It'll mount on most any conventional 4-wheel running gear heavy enough to carry the fully-loaded box, says Weeks. He adds that J & H plans to introduce a company-designed running gear this fall, along with a larger 600 bu. steep-sided wagon.

For more information, contact: FARM SHOW Followup, J & H Equipment Company, 7225 Kile Road, Plain City, Ohio 43064 (ph 614 873-5452).

## Vogels Between-Row Wick Weeder

The new Vogels between-the-row weeder was developed by Paul Vogels, Jr., Kippen, Ontario, under a research grant for Agriculture Canada, the Canadian version of the USDA. Vogels, who builds and sells a variety of innovative wick weeders, hopes to begin marketing his rope wick early this summer.

Vogel's wick weeder consists of a series of skid mounted wicks 3 in. above the ground. Metal skirts along either side of each wick prevent contact with crops. Each row unit on the loader-mounted weeder swings back independently when confronted by rocks or irregular terrain. Vogels says that his rope wick operates effectively at speeds up to 6 mph.

Once on the market, Vogels plans to offer varying row widths and to mount wick bars across the top of rows for total weed control in growing crops. No modification of the tractor loader is required. Individual wick bars can be filled individually or from a central reservoir.

For more information, contact: FARM SHOW Followup, Paul Vogels, Jr., Rt. 2, Kippen, Ontario Canada NOM 2EO (ph 519 527-1030).

Between-the-row rope wicks eliminate the need for cultivators, says the manufacturer of this soon to be introduced Vogel between-row wick weeder.