

## Chrome Job For Combines



Largest model (260 in.) covers 12 22-in. sugar beet rows per swath. It weeds and mulches crops, from early emergence to a foot or more tall, without damaging the crop, says manufacturer.

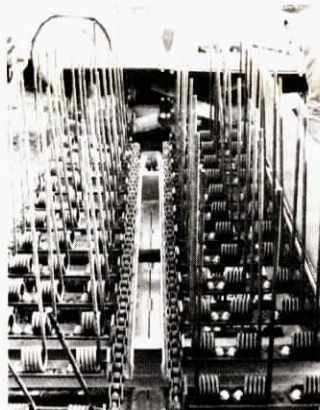
### CATCHING ON WITH CORN, SOYBEAN GROWERS

## New-Style Rotary For Row Crops

"We're getting a lot of interest from midwest corn, soybean and sugarbeet growers," says Joe Lindeman, president of Northwest Equipment Company, Yakima, Wa. The company's new rotary weeder, first introduced in the Pacific Northwest, is catching on with "row crop" farmers throughout the United States.

As shown in the photos, 18 in. long spring-loaded tines serve as "fingers" to pull weeds, incorporate chemicals, prepare seedbeds or to "mulch in" heavy cover crops and residues. There are two rows of teeth, with one row turning clockwise at 540 rpm (1000 rpm on larger models), and the other turning at the same speed but in the opposite direction. This counter rotation allows the tines or "fingers" to work on all sides of the plant to take out virtually all close-growing weeds. Counter rotation of the teeth, coupled with forward motion of the tractor, creates a diamond pattern on the soil surface, leaving it smooth and without ridges. The teeth dig into the ground 1 to 2 in., depending on size of the crop, and size and density of the weed growth being removed. Travel speed is generally in the 3½ to 5 mph range. The new-style rotary requires relatively little horsepower and isn't bothered by rocks.

"Here in the Northwest, owners use it in a number of ways," explains Lindeman. "Some row crop farmers mount a toolbar cultivator on the front of their tractor and the rotary behind to cultivate and to close-up weeding in one trip. Soybean growers use it to cultivate and incorporate herbicides in a once-over operation. Others use it to prepare seedbeds and for mulching in heavy cover crops



Set of teeth on right turn clockwise, those on left counter clockwise. Individual teeth are 18 in. long and each set of 3 teeth is spaced about 6 in. apart.

and crop residues. It's probably the best tool on the market for incorporating chemical weed or insect killers because of the accurate depth control that can be maintained. Some owners use the machine both before and after their row crops emerge."

Six models offered by Northwest Equipment range in size from 60 to 260 in. wide. Retail cost of the largest model (260 in.) is right at \$6,000. It's equipped with 5 ft. wings on each end and covers 12 22-in. sugar beet rows per swath. All models are designed for 3 pt. hitch mounting.

For more details, contact: FARM SHOW Followup, Northwest Equipment Company, Box 10473, Yakima, Wa. 98903 (ph 509-457-4108).

Business is booming for a Kansas firm that specializes in chrome plating combine cylinder bars and concaves.

"Chromed bars keep their original shape and last 3 to 5 times longer than untreated regular bars," says Don Smith, president of Ace Services, Colby, Kan. He started out chroming rasp bars but now does a sizeable business in chromed concaves as well. "Many combine owners who try a set of chromed bars decide after one season's use to also go with a chromed concave. You can't believe how much difference chrome makes until you've tried it," he told FARM SHOW.

Smith buys rasp bars in stock lengths, buying the same type and grade material most combine manufacturers use to fabricate bars for new combines. He then cuts and drills the stock material to make up sets for virtually all makes and models of self propelled or pull-type combines, except Gleaner. "We custom chrome bars for Gleaner, which is the only manufacturer to offer combines factory equipped with chrome," Smith points out.

Smith keeps chromed, ready-to-go bars on hand to fit most combine

makes and models. He doesn't carry a stock supply of concaves. You can buy a new concave and send it to him for chrome plating. Or, if you prefer, he will buy a new concave from a local dealer, chrome plate it and then ship it to you.

Cost for chrome plating new rasp bars ranges from \$250 to \$295 per set, depending on make and model. For concaves, the cost for chroming (but not including cost of the new concave itself) is \$70.

To demonstrate the difference between chromed and regular rasp bars, Smith uses a chromed bar like a hack saw blade to cut into hardened steel. "Chrome ranks right next to diamond for hardness and wear-ability," Smith points out. He notes that new combine bars and concaves are first sandblasted, then electroplated to fuse a chrome surface to the steel. The process requires 35,000 amps of direct current.

Ace Services also offers serrated and chromed sickle sections for combines, mowers, or swathers. They sell for 62¢ each and come 50 to a box.

For more details, contact: FARM SHOW Followup, Ace Services, Don Smith, president, Box 353, Colby, Kan. 66701 (ph 913-462-6753).

### "SUPER BOXALL" CARRIES UP TO 1200 LBS.

## Low Cost Way To Weight Tractors

"One of the most useful accessories you could ever buy for your tractor," says Hartberg Mfg. of its new Super Boxall. This low cost way to weight tractors is equipped with a bottom-dump door. It measures 31 in. wide, 24 in. deep, 18 in. wide and has a carrying capacity of up to 1200 lbs.

A smaller Boxall has a carrying capacity of 800 lbs. Both models are ideal for carrying rocks, tools, chains,

and for carrying weight, says Bruce Hartberg, president of Hartberg Mfg.

The new Super Boxall sells for \$156, and the smaller regular model for \$136. Brackets to fit most tractors retail for \$10 to \$32, depending on make and model of tractor.

For more details, contact: FARM SHOW Followup, Hartberg Mfg., Heron Lake, Mn. 56137 (ph 507-793-2756).



Boxall utility box is equipped with a bottom dump door and can be used to carry rocks, tools, chains or front end weights.