



"Foresight" allows operator to guide on furrow created by the previous pass.

## PARALLELS A GUN SIGHT FOR ACCURACY

# "Foresight" Replaces Implement Markers

Here's a new low-cost way to guide your tractors and implements more efficiently through fields without using markers or looking backward. Called Foresight, the device allows the operator to monitor his path by looking forward and aligning the Foresight flag to the furrow made by his last pass.

The patented system parallels a gun sight in function and accuracy, according to Concord Inc., Fargo, N. Dak. By varying the setting of the Foresight, implements from 25 to 100 ft. in width can be guided with an overlap margin of just inches.

The unit consists of an arm mounted on an angle on each side of the frame that adjusts up and down. For wider equipment, the arms would be set higher, and vice versa for narrower machines.

The "flags" that attach to the top of the arms provide added accuracy. You align these with the angle of the furrow as it looks from the tractor seat to "fine tune" the marker for extra precision.

"Foresight is the best guidance device we've ever had," says South Dakota farmer Jim Nickeson, of Veblen. "I can sit looking forward in my 4-wheel drive and seed with my 40 ft. air seeder, or put down chemicals with my 70 ft. incorporator, within 6 in. of the last pass."



Device mounts on any tractor in less than an hour.

Hillside operation poses no problems as the unit is self-leveling and also has shock-absorbing capability built into it to keep it steady on bumpy fields.

Weighing 110 lbs. the sight guide takes about one hour to install on the front of the tractor. It mounts on any tractor using existing boltholes, or in some cases drilling 2 holes in the tractor side panels.

Foresight sells for \$495. The unit is available with an electronically powered regulator that lets you automatically adjust the arms from the tractor seat.

For more information, contact: FARM SHOW Followup, Concord Inc., 2800 7th Ave. North, Fargo, N. Dak. 58102 (ph 701 280-1260).



The square-bladed shovels hit weeds "dead on" and never get any narrower as they wear.

## LAST TWICE AS LONG AS

# Square-Bladed Shovels "Sweeping" Northland

A new square-bladed cultivator shovel that "outlasts conventional pointed sweeps two to one" is sweeping through farms in Western Canada.

Richard Kramer, of Kelly Industries, Cupar, Sask., inventor-manufacturer, says he grew dissatisfied with conventional pointed sweeps. "Weed kill and durability were not as good as we felt they should be," he recalls.

Convinced there was a better way, Kramer — designer and manufacturer of the popular Kelivator field cultivator — came up with his square-bladed cultivator shovel. His biggest problem since introducing it has been trying to keep up with booming demand.

Here, according to Kramer, are key advantages of his square-bladed shovel:

- The straight front hits weeds "dead on" rather than from the side as with slanted sweeps. Large, thick stemmed weeds can't glance off sideways.
- The shovel never gets any narrower as it wears because the edges of the blade are parallel to the direction of the cut.
- The straight front blade also eliminates the ditching (when the nose of a sweep cuts deeper than the

wings) that occurs when cultivator sweeps are mounted on slightly bent shanks.

"The level cut makes the Kelly shovel ideal for seedbed preparation and summer fallow work," says Kramer. "It can be used to replace rod weeder under many conditions."

• Improves weed kill by eliminating missed rows of weeds between conventional pointed shovels.

The Kelly shovels sharpen with use and stay sharp for their working life, according to Kramer. He notes that farmers who bought shovels from the first production run a year ago have found that the 16-in. square bladed shovel killed more weeds than an 18-in. pointed shovel. The only soils where they don't recommend the shovels are those with heavy trash, or "gumbo" soils. In more minimum trash situations, however, Kramer feels the square shovel leaves more trash on the surface than pointed shovels.

Kelly shovels fit any cultivator shank. The 16-in. shovels sell for \$8.95 each. "Extreme abrasion" shovels sell for a dollar more (Canadian funds.).

For more information, contact: Kelly Industries, P.O. Box 144, Cupar, Sask. SOG OYO (ph 306 723-4444 or 723-4669).

## UNBIASED COMPARISON OF LATEST NEW MODELS

# Best Tractor Book We've Seen

One of the best unbiased comparisons of tractor models we've seen is a reference guide compiled by Pierce Fulkerson, retired Kentucky farm implement dealer.

Called "1982 Tractor Comparisons", it lists performance data comparisons — including fuel efficiency ratings — on about 80 untested farm tractors, and close to 100 models tested at the Nebraska Tractor Testing Station.

Fulkerson notes that, as a dealer, he

used to spend many hours searching for information on what he had to sell and what competition offered. His guide pulls it all together for quick, easy reference.

"We arrange the models according to their horsepower so that competitive models are placed side by side. There's no advertising to wade through. Where no test has been made, we rely on data supplied by the manufacturer and we place an "E" immediately following this data to

indicate that it is a manufacturer's estimate and not a test figure. Where engine horsepower is listed, rather than pto, we multiply 0.815 times the engine horsepower to arrive at the approximate or estimated pto hp.," Fulkerson explains.

Various tractor models are compared on the basis of engine pto, number of cylinders, bore and stroke, piston speed and type of cylinder sleeves; fuel economy and lugging power; drawbar hp; weight; trans-

mission type; tire size; pto type and speeds available; type of brakes; type of hydraulics, gpm capacity and operating psi; description of 3 pt. hitch availability; type of final drive; wheelbase; turning radius; sound level and fuel tank capacity.

Sells for \$5 in the U.S. and \$6 in Canada.

For more information, contact: FARM SHOW Followup, Tractor Comparisons, P.O. Box 117, Sonora, Ky. 42776 (ph 502-369-7035).