

 **HOWARD**<sup>®</sup>



**A chisel of advanced-design that cuts deeper and works harder . . . on less power!**

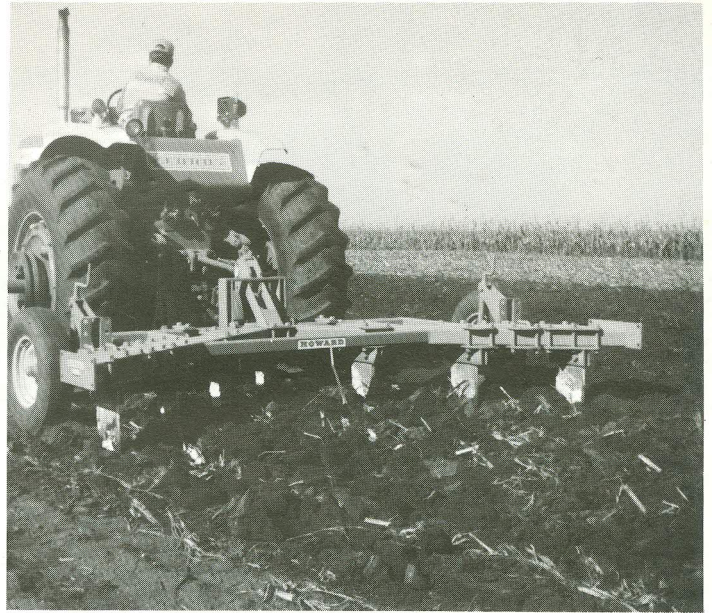
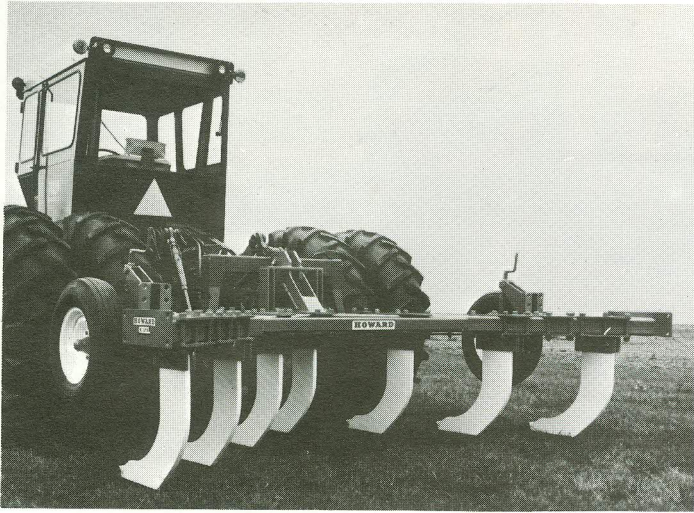
The unique "V" shape of the toolbar is what does it! It is Nature's own way of working. . . the leader breaks the way for the others, making the workload easier for the entire formation.



On Howard's V-Chisel, the forward, center shank fractures the soil ahead of the shanks on either side. They, in turn, break the way for the next shanks . . . and so on along the toolbar. Because of this unique action a seven-shank V-Chisel operates with the same power requirements as a four-shank straight line chisel . . . plowing deeper to break hard compacted subsoils.



# V-CHISEL



## It breaks and lifts the soil far ahead of the shanks.

Watch the hefty shanks dig deep . . . 12" . . . 15" . . . even deeper! They're designed to push forward under ground, lifting the hard, compacted soil. Watching it work, you will see the earth rise up and fracture as much as five or six feet in front of the shanks, leaving deeply fractured soil behind. This loosened soil, formed from Fall plowing with the V-Chisel, will hold more moisture from Winter snows and Spring rains. The field will work up faster and easier in the Spring to give you a mellow soil condition that is easier and less expensive to prepare, and . . . your chiseled field will hold moisture better . . . without run-off.



## What about speed?

There's nothing slow about the Howard V-Chisel; in fact, the faster you work, the more effective the job! Speed increases the breakout action of the V-Chisel and makes it work more thoroughly. And Nature's "V" design, that makes the pulling easier than a straight bar arrangement, is what makes it faster, too.

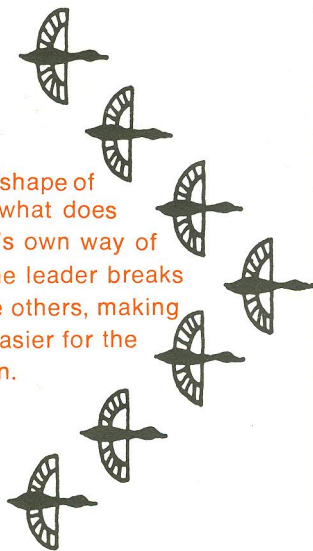
## What size do you need?

Three chisels? Five . . . seven . . . as many as eleven? They're all available in the Howard V-Chisel. The shanks are rugged one-inch steel—built to handle the toughest soils. Chisel tips are replaceable at low cost. Shanks are fully adjustable to meet varying row width requirements, and each shank is protected by a shear bolt . . . a built-in safety feature.

## Match your tractor to the chisel.

There's a size to meet your needs, and the Howard V-Chisel will fit any standard three-point linkage tractor. The three-point linkage helps transfer the weight of the chisel to the tractor, giving better weight distribution and more traction to go really deep! Depth control wheels on the V-Chisel help maintain even depth throughout the field.

The unique "V" shape of the toolbar is what does it! It is Nature's own way of working . . . the leader breaks the way for the others, making the workload easier for the entire formation.



## Specifications

### Number of Chisels

3-Shank Chisel	735 lb.
5-Shank Chisel	1,050 lb.
7-Shank Chisel	1,450 lb.
9-Shank Chisel	1,780 lb.
11-Shank Chisel	2,250 lb.

\*Weights are without depth wheels

Points are replaceable. Depth averages from 12" to 15"; maximum depth to 20". 6" shank extensions are optional. Clearance under tool bar with standard shanks, 25". Each shank individually equipped with shear bolt protection.

### Weight\*

### OPTIONAL EQUIPMENT

- Pair of Gauge Wheels; 160 lbs.
- Pair of Mounting Brackets (for above gauge wheels); 85 lbs.
- Pair of Dual Adapters; 40 lbs.
- 22 inch knife
- Pair of clamps to attach 2 1/4" diamond bar; 85 lbs.
- Pair Wing Assemblies; 365 lbs.
- 6" Shank Extensions

Specifications subject to change without notice.



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