The marker's 14 in. dia. rims keep the horizontal connecting arm level with the ground. Hinged connecting point allows the marker to float to follow uneven terrain.

FITS DRILLS, PLANTERS, SPRAYERS, TILLAGE EQUIPMENT

Tire Marker Eliminates Costly Skips, Overlaps

New from North Dakota is the Johnson Wheel Marker for eliminating costly skips and overlaps with drills, planters, field cultivators, sprayers and other equipment.

"The tire mark it makes is different from any other marks in your field," explains Roy Johnson, inventor. "The mark is visible up to 40 rods and, when lined up with center of the tractor, makes for easy, accurate driving. It's as easy to follow as the center line down a highway."

The new marker is available in fixed lengths from 24 to upwards of 100 ft. "We also offer a telescoping model for the farmer who wants to use one marker on several pieces of equipment," says Johnson. "It has 3 ft. of overlap in the center and can be made in most any length a farmer would need."

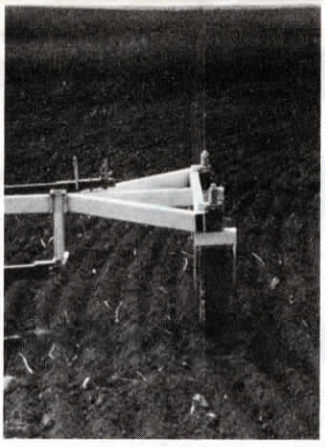
The end wheels are on casters which pivot a full 360° when turning at the corners. A hinged mounting bracket hookup makes it completely flexible to conform to terrain. The tires are on 14 in. dia. rims.

One marker is all that's needed on a drill, disk, field cultivator or other equipment that's driven around and around the field, working towards the center, with the marker always on the inside when turning.

For corn planters or other equipment normally driven back and forth, a tire marker can be installed on each side and a compound winch, cable and push button (located inside the cab) used to regulate them at the field ends, says Johnson.

At present, he's having the new-style marker custom-fabricated, as orders come in, by a local manufacturing firm. "I'd be glad to visit with any manufacturer interested in taking it on under a licensing agreement, both to produce and market it," he told FARM SHOW. "Under the present arrangement, we can produce and retail them for about $400 to $450 apiece, depending on length, FOB the factory."

For more details, contact: FARM SHOW Followup, Roy Johnson, 4-J's Mfg., Box 189, Stanley, No. Dak. (ph. 701 628-2081 or 628-2796).



Weight at outer end is about 150 lbs., enough to make a visible mark in bare or trashy ground. In transport position, the marker trails along behind. Takes only a few minutes to mount or detach.

DISC-A-MULCHER DESIGNED TO TRAVEL 8 MPH

New High Speed Tillage Tool

Recommended working speed for Parker Industries' new Disc-A-Mulcher is "at least 8 to 9 miles per hour". It combines discing, field cultivating and packing into one machine.

"It'll till your fields in half the time it takes with conventional tillage equipment," says Marc Allhands, design engineer. "It's the only secondary tillage tool I know of that's specifically engineered to work at such a high field speed."

"Suppose a farmer's present tractor is now pulling a 20 ft. tandem disk, that he makes two passes over the field, and that he can do about 50 acres a day. With the Disc-A-Mulcher, he only has to go over the field once, and he zips along at 8 to 9 miles per hour, covering twice as many acres with the same tractor."

The secondary tillage tool requires just one pass over most fields, says Allhands. Burly 20 in. disc blades in front chop up trash and crop residue, making it easier for the three rows of S-tines in the center to reach under the soil and bring up clods.

Key to the machine's high speed capability are rubber mountings which cushion the discs and extend their life. "This exclusive suspension system allows each disc gang to travel 3 in. vertically and more than 4 in. horizontally," explains Allhands. "If a blade strikes a rock, the rubber mounting is there to soften the blow. Another mounting absorbs the shock if the blade is shoved backwards. Twelve of these rubber pads are strategically mounted throughout the front row of discs.

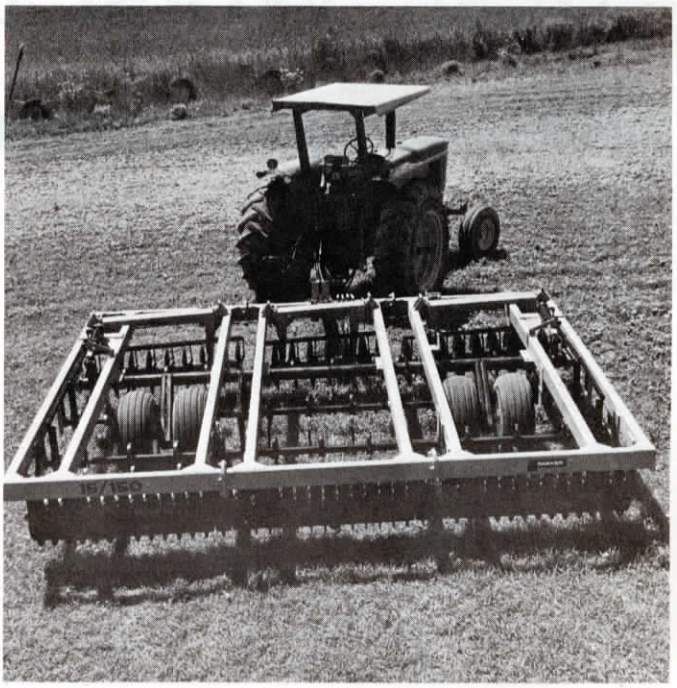
S-tines in the center section are spaced 5 in. apart for greater stirring action. Tines move sideways as well as frontwards and backwards, explains Allhands. Packer wheels at the rear put the finishing touch on work done by the discs and S-tines. "They pulverize the clods instead of pushing them into the ground, resulting in better moisture retention and erosion control. They're 19-in. in dia. and are equipped with scrapers to prevent sticking of wet soil," says Allhands.

The Disc-A-Mulcher weighs right at 6,600 lbs. and retails for just under $1 per lb.

Here, according to Allhands, are other key design features:

- Disc gangs are set at only a 7° angle. "For the high speeds this tool is designed, a greater attack angle would throw too much soil", says Allhands.
- The vibrating S-tines lose effectiveness below 5½ mph. A typical operating speed is 8 mph, but it's not a maximum.
- By adjusting large nuts on the spring cushioned tongue leveler, the tool can be leveled for transport. Ground clearance is 11 in.

For more details, contact: FARM SHOW Followup, Parker Industries, Silver Lake, Ind. 46982 (ph. 212 352-2141).



The 15 ft. wide Disc-A-Mulcher is designed to be pulled 8 to 9 mph. Takes a 150 hp or larger tractor. Exclusive rubber cushions on disc section are a key to the new tillage tool's high speed capability.