

# WHAT'S NEW

## DISC HARROW

OXNARD, Calif. - A new 11 foot version of the deep tillage Model 3400 offset wheel-type disc harrow has been added to the 3400 series of discs offered by the Allis-Chalmers Corp. Agricultural Implement Division. Weighing approximately 410 lbs. per blade, or 770 lbs. per foot of cut, the new disc can penetrate a full foot into the soil, and be operated at higher speeds and with less draft than equal width moldboard plows. This results in greater efficiency in the field and lower tillage costs. In addition, the harrow can leave enough

residue on the soil surface to effectively control wind and water erosion.

There are now five models of 3400 wheel-type discs in the series, ranging from 11 to 19 ft. The new 11 ft model has single transport wheels, while the other four have duals. All five are used with two or four wheel horsepower tractors and crawler tractors.

The main frame on the 3400 consists of four by eight inch box welded cross members, providing the strength and durability required to handle the stresses associated with a harrow of this size.

The gang frame is eight by eight inch box welded angle construction for more than ample load carrying capacity. And, if additional ballast is necessary the gang frame has openings to increase the weight by an additional 40 lbs. per foot of width.

The offset position of the disc and the front gang angle are adjustable in four increments, while the lateral position of the evener bar may be adjusted for three different settings. Combined, these adjustments enable the operator to obtain precision depth penetration.

The gang assembly (heart of the disc harrow design) has a foundation of 2½ in. square, high carbon steel gang bolt holding the blades, bearings and spools. Each bearing weighs in excess of 36 lbs. has a 2½ in. square bore, is regreaseable, has a triple lip seal, bearing guard, and is fully trunnion mounted. This design gives

the 3400 series bearings the highest load carrying capacity of any disc harrow in its weight class. Precision fitting cast half-spools are mounted on each side of the bearings, and are machined to accommodate the blade curvature. The 13 in. cast blade-spacer spools are also machined to fit the blade contour. In all, this design leads to smoother running and long equipment life.

Each blade is 32 in. in diameter, and is three-eighths in. thick. Notched blades are available with or without hard facing. Hard faced blades provide longer life in abrasive soils.

Scraper blades of three-eighths in. thickness are adjustable, and mounted low on the gang, so that there is less chance of material buildup on the blades. Plus, they are constructed of disc blade steel for long life. If field conditions warrant, scraper bar supports may be added for extra rigidity of the scraper bar.

Extension spools are also available as an option to help eliminate furrows when required.

Transport wheel assemblies on all wheel-type

units, are designed for opposite rotation, providing the best possible weight distribution. Each wheel assembly is controlled by a 5 by 12 in. cylinder for quick lift, while cylinder depth stops help maintain the desired depth for the specific soil conditions encountered.

Transport locks are provided as a safety feature.

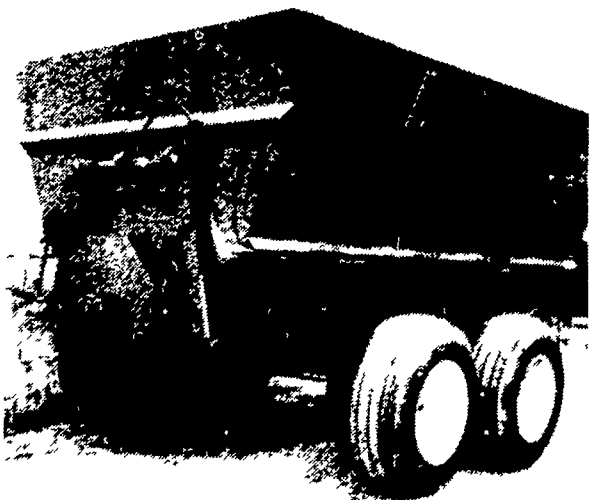
A hydraulic cylinder is used to raise the main pole for convenient hitching of the unit to the tractor. It levels the wheel-type disc fore and aft for maximum clearance in transport.

## Chester County DHIA

(Continued from Page 92)

Landis S. Reid						
# 36	3	6-5	305	18105	4.0	725
Howard Swavely, 3rd						
# 7	3	5-10	305	19843	3.6	721
E. Kent High						
# 81	3	5-9	305	17592	4.1	721
Willowland Farm						
Dixie	3	3-4	264	16772	4.3	719
Dean Roland						
# 35	3	7-3	305	18859	3.8	716
Richard Pround						
# 90	3	9-5	305	18826	3.8	716
Charles H. Gable						
# 226	1	4-5	305	16805	4.2	713
Harvey C. Waltz						
# 113	3	4-9	294	19058	3.7	712
# 103	3	3-8	303	18975	3.7	707
Edgar Miller						
Moppet	3	9-3	305	17847	4.0	712
Calvin R. Blank						
Mancy	3	4-7	305	19526	3.6	709
Walmoore						
# 802	3	4-0	280	18653	3.8	703
Daniel S. Stoltzfus						
Freda	3	10-10	305	17109	4.1	702

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