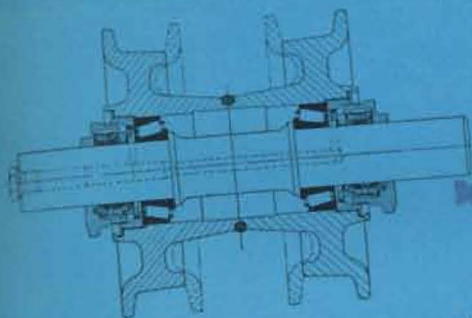


# ROADS AND STREETS

HIGHWAYS, BRIDGES  
AIRFIELDS  
HEAVY CONSTRUCTION

JANUARY 1951

Fig. 19. FEB 10  
Nr. 12046



How ALLIS-CHALMERS mounts truck wheel assembly of new HD-15 tractor on Timken bearings. A total of 54 Timken bearings are used in the HD-15, as follows: bevel gear and clutch shaft, final drive pinion shaft, final drive intermediate shaft, final drive sprocket shaft, track idlers, track support rollers, truck wheels, power take-off pinion shaft, power take-off gear shaft. The Gar Wood scraper shown above is also Timken bearing equipped.



New tractor packs more  
punch for its size . . .

with help of 54 TIMKEN® bearings

**B**IG news for tractor users is this Allis-Chalmers HD-15 tractor shown above loading a Gar Wood scraper. New from the ground up, it provides more weight and power than previously considered standard for its class.

To insure smooth, dependable operation with minimum maintenance under the toughest loads, Allis-Chalmers mounts vital parts of the HD-15 on Timken tapered roller bearings. A total of 54 Timken bearings are used.

Timken bearings prevent wear on moving parts by holding gear and shafts in proper alignment. They take both radial and thrust loads in any combination, eliminating the need for special thrust bearings and making possible a more simplified, rugged design. Because of the line contact between Timken bearing rollers and races, Timken bearings provide extra load capacity—carry the heaviest loads safely. And Timken bearings permit the use of tighter closures which retain lubricants, keep dirt out.

The rolls and races of Timken bearings are made of Timken fine alloy steel, case-hardened to give a hard, wear-resistant surface and a tough shock-resistant inner core. Normally, Timken bearings last the life of the machine in which they are used.

The Timken Roller Bearing Company, Canton 6, Ohio. Canadian plant: St. Thomas, Ontario. Cable address: "TIMROSCO".



**TIMKEN**  
TRADE MARK REG. U. S. PAT. OFF.  
**TAPERED ROLLER BEARINGS**