



Letourneau

Operator's Manual

Bulldozer

All Models

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LE-O-DZR ALL

Operator's Manual

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MANUAL PREVIEW

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Achievement . . .

Cable controlled 'Dozers' contribution to earth-moving and to mankind is immeasurable. Their trigger-quick action and rugged construction make possible the completion of vitally important roadbuilding and construction projects the world over, many of which might be impossible to build without their use.

'Dozer operation should, therefore, be looked upon as one of our most worthwhile occupations. Skill, experience, and courage are required in pioneering, carving roads up mountain sides, "sky-'dozing", etc.

A deep admiration is held for the work of the skilled 'Dozer operator — he should feel proud of his achievement.

CLICK ANYWHERE FOR MORE DETAILS

TYPES OF LETOURNEAU DOZERS

LeTourneau 'Dozers are of three general types—Bulldozers, Angledozer, and Pushdozers.

The Bulldozer and Angledozer are similar, and are used for somewhat the same purposes—the main difference between the two being that the position of the Bulldozer bowl, straight across the front of the tractor, is fixed and is non-adjustable either to the left or right, while the bowl of the Angledozer can be either positioned straight across the front of the tractor or angled 30° to the left or right for side-casting.

Bulldozers and Angledozers are used principally for moving earth, rock, etc., short distances on construction jobs, for pioneering roads through hilly mountainous country, for clearing-removing stumps and trees, for logging, stripping, land leveling, digging ditches, snow and ice removal, etc.

Pushdozers, which are similar to Angledozers excepting that they have a “pusher cup” on front instead of the Angledozer bowl, are designed to be used only in pushing Carryall Scrapers when loading or dumping. Angledozers and Bulldozers are also used for this purpose quite extensively.

The above mentioned 'Dozers are available in models for various sizes of track-type tractors, and for some sizes of tractors are available in two or more models which embody slightly different features, in order to answer the varied requirements of the many 'Dozer users.

Briefly, the various models of Bulldozers, Angledozers, and Pushdozers can be grouped together into the following general types:

BULLDOZERS—LeTourneau Bulldozers are of two types—the “Rigid Bowl” type and the “Knock-down” type.

The “Rigid Bowl” type Bulldozers are those models which have sidearms or pushbeams welded solidly to the 'Dozer bowl, making the pushbeams and bowl one piece.

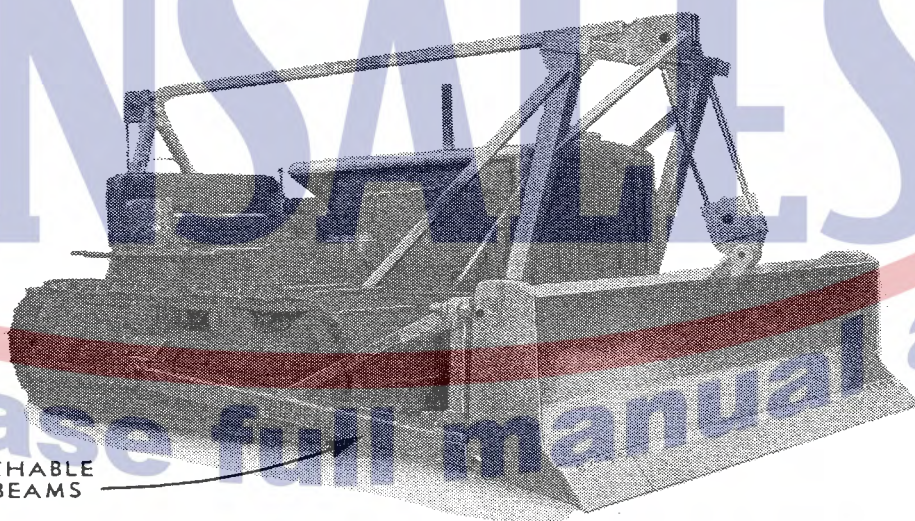
The “Knock-down” type Bulldozers are those which have sidearms or pushbeams attached to the bowl by means of eye bolts and pins, making the pushbeams and bowl three separate pieces. The principle feature of this type 'Dozer is that it can be dis-assembled or “knocked down” for shipment, requiring a comparatively small shipping space. This type of Bulldozer is not available for all sizes of track-type tractors.

BULLDOZERS

CLICK ANYWHERE FOR MORE DETAILS



RIGID BOWL TYPE BULLDOZER



DETACHABLE
PUSHBEAMS

KNOCK-DOWN TYPE BULLDOZER

PUSHDOZER



PUSHER CUP

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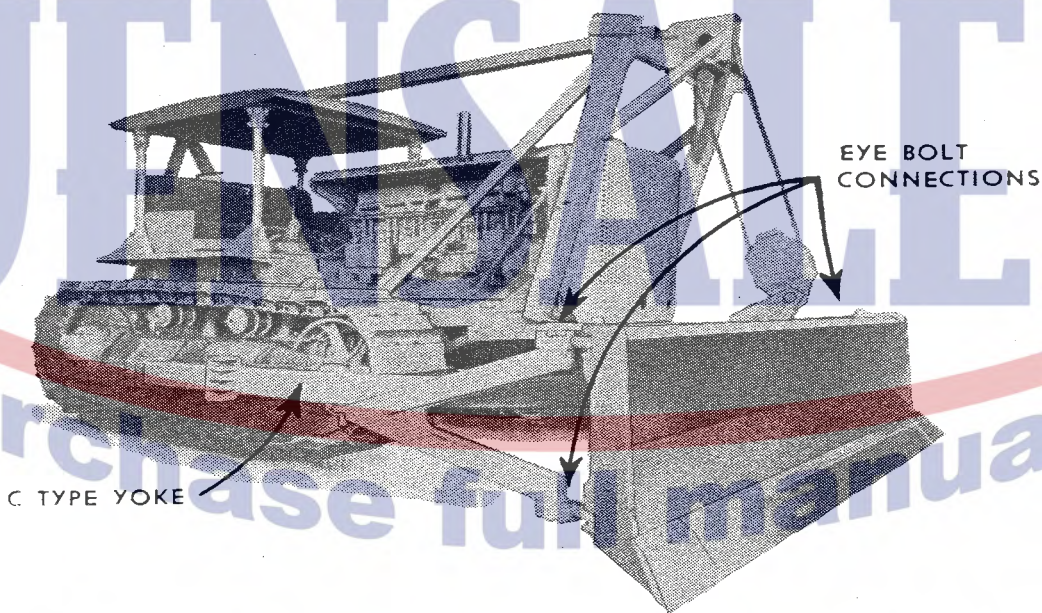
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ANGLEDZERS

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DETACHABLE PUSHBEAM TYPE ANGLEDZER

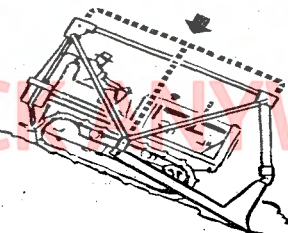
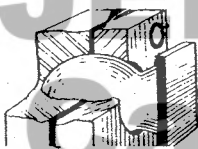
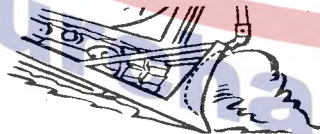
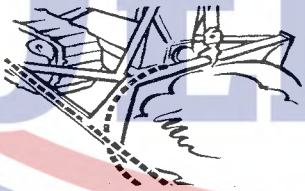
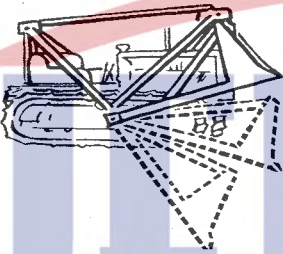
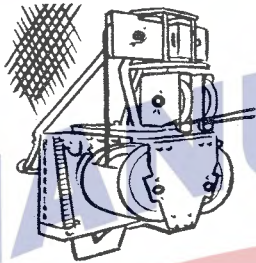


ANGLEDZERS HAVING "C" TYPE YOKES

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FEATURES OF LeTOURNEAU DOZERS

Many exclusive features are embodied in LeTourneau 'Dozers which should be known and appreciated by every 'dozer operator. The most important features are:



1. Instant response and close control of blade, because of the powerful, sure-acting cable operation of the LeTourneau Power Control Unit. With cable control, operation is always uniform in heat or cold. A minimum of time is lost because cable control is more efficient.
2. Extreme high lift and low drop of the bowl. The low drop enables the bowl to go down under rocks and stumps; the high lift gives plenty of leverage when pushing over trees, etc.
3. The digging angle of the 'Dozer blade gives the bowl a natural digging suction, making for quick, plow-like penetration into the ground.
4. The correctly curved 'Dozer bowl gives the dirt a rolling action ahead of the bowl, thus decreasing the dead load weight on the tractor unit.
5. Maximum strength at minimum weight, as a result of the sturdy electrically arc welded, alloy steel, boxbeam construction.
6. Rigidity—a feature that is built into LeTourneau 'Dozers through the use of correctly designed points of connection between sidearms, yoke, and bowl.
7. Balanced weight distribution, which helps to keep the tractor tracks "geared to the ground" to transmit more tractor horsepower at the tips of the blade, and which eliminates excessive wear on tractor front idlers and rollers.