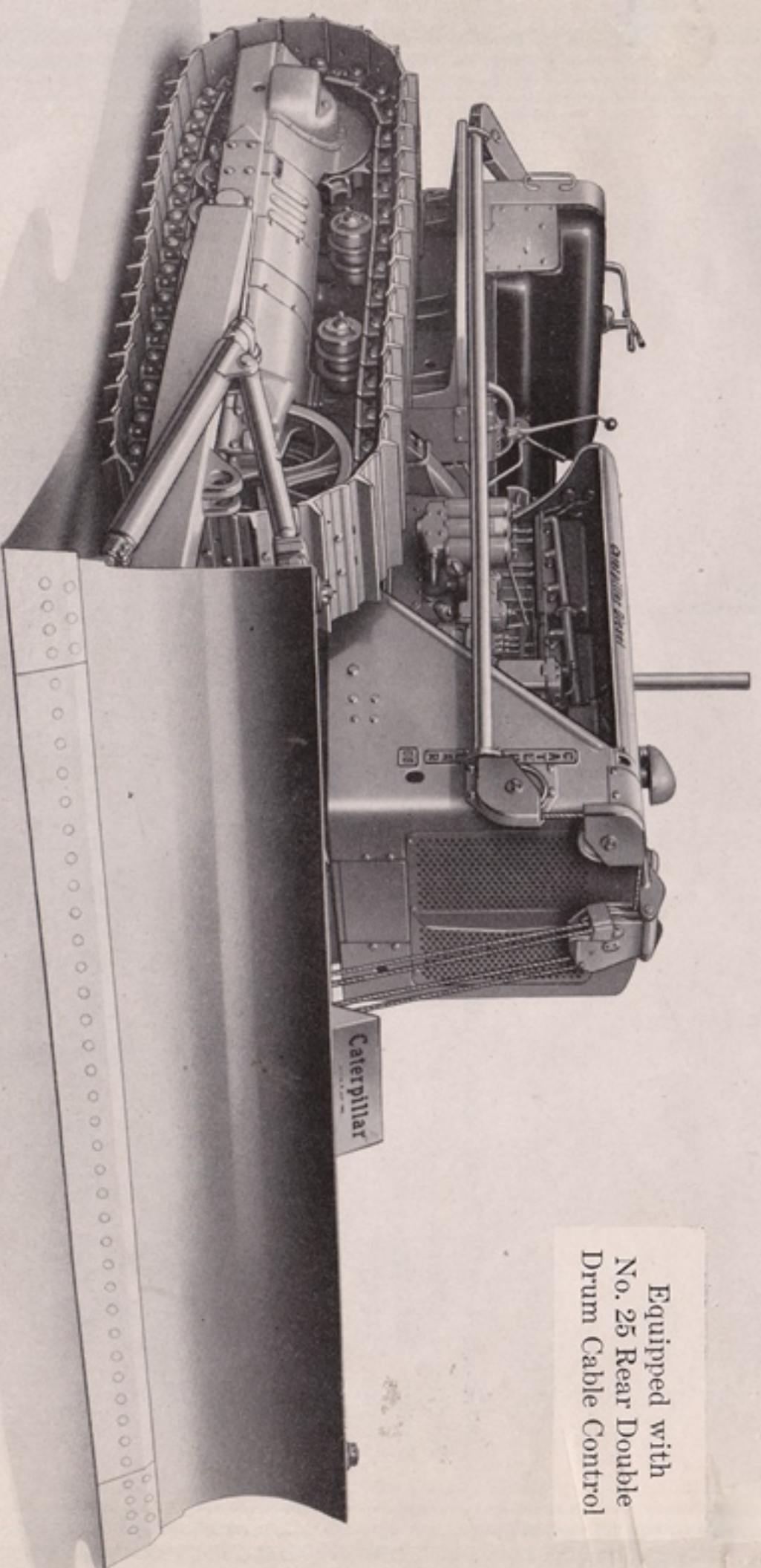


Equipped with
No. 25 Rear Double
Drum Cable Control



"Caterpillar" No. 8A Bulldozer

(ANGLING BLADE)

SPECIFICATIONS ON OTHER SIDE

Specifications of "Caterpillar" Diesel D8 Tractor

CAPACITY:

The following are maximum horsepowers at sea level, as established by manufacturer's tests:

Drawbar horsepower	130
Belt horsepower	148

The following are the rated speed drawbar pulls, observed during manufacturer's tests:

Drawbar pull (Lb.):	
First	28,700
Second	21,700
Third	16,650
Fourth	11,900
Fifth	8,600

The following calculated values for maximum torque drawbar pull are based on the observed drawbar pull shown above. When slowed down by overload, "Caterpillar" Engines develop a considerably greater turning effort (torque) at the flywheel, which results in greater drawbar pull at reduced travel speed:

Drawbar pull (Lb.):	
First	31,600
Second	23,900
Third	18,300
Fourth	13,100
Fifth	9,500

Travel speeds at rated engine speed:

Forward—		M.P.H.	F.P.M.
First	1.7	150	
Second	2.3	202	
Third	2.8	246	
Fourth	3.7	326	
Fifth	4.8	423	
Reverse—			
First	2.2	194	
Second	3.0	264	
Third	3.7	326	

Engine—four-cycle, water-cooled:

Fuel	Commercial Diesel Fuels
Number of cylinders.....	6
Bore and stroke.....	5 1/4" x 8"
Piston displacement	1,246 Cu. In.
R.P.M.—governed at full load.....	1000
Piston speed at 1000 R.P.M.....	1333 F.P.M.
R.P.M. at maximum drawbar pull (point of maximum torque).....	725
N. A. C. C. horsepower rating for U. S. A. tax purposes.....	79.35
Lubrication	Full Pressure
Crankshaft:	
Number of main bearings.....	7
Diameter of main bearings.....	3 3/4"
Total area of main bearing surface.....	214 Sq. In.

Starting Method:

Independent 2-cylinder, 4-cycle, vertical gasoline engine, equipped with 2-speed transmission, high tension magneto and impulse coupling, down draft carburetor and flyball governor. Bore 3 3/4". Stroke 4". 24 H.P. @ 2,700 R.P.M. Drive by single plate clutch and helical gears to flywheel.

Gauge (center to center tracks).....	78"
Length of tracks on ground (center drive sprocket to center front idler)...	99 1/2"
Area ground Contact (with standard track shoes)	4,389 Sq. In.
Over-all:	
Length	15'-9 1/4"
Height (measured from tip of grouser of standard track shoe to highest point, exclusive of exhaust pipe and pre-cleaner)	7'-6"
Width	8'-7 3/4"
Ground clearance (measured from lower face of standard track shoe).....	10 1/2"
Height drawbar above ground (measured from lower face of standard track shoe)	18 1/2"
Lateral movement drawbar (measured at drawbar pin).....	3'-7"
Track:	
Number of shoes (each side).....	39
Width of standard track shoe.....	22"
Height of grouser (measured from upper face of standard track shoe).....	2 11/16"
Diameter of track shoe bolts.....	3/4"
Diameter of track pins.....	1 1/4"
Diameter of track pin bushings.....	2 1/4"
Steering:†	
Clutch friction material.....	Metallic
Number of friction surfaces, each clutch	36
Type of clutch release.....	Spring Compensated Contracting Band
Brakes, dry	
Transmission:	
Constant mesh helical gears. Power transmitted through flexible coupling and over center engagement, dry flywheel clutch with metallic friction surfaces. Selective type speed change.	
Capacities:	U.S. Gallons
Cooling system	28
Crankcase, lubricating oil.....	8 1/2
Transmission, lubricating oil.....	10 1/2
Final drive, lubricating oil, each.....	6 1/2
Fuel tank	69
Weight, shipping (approximate).....	35,950

†Each track controlled by slow speed, heavy duty, dry multiple disc clutch and contracting band brake.

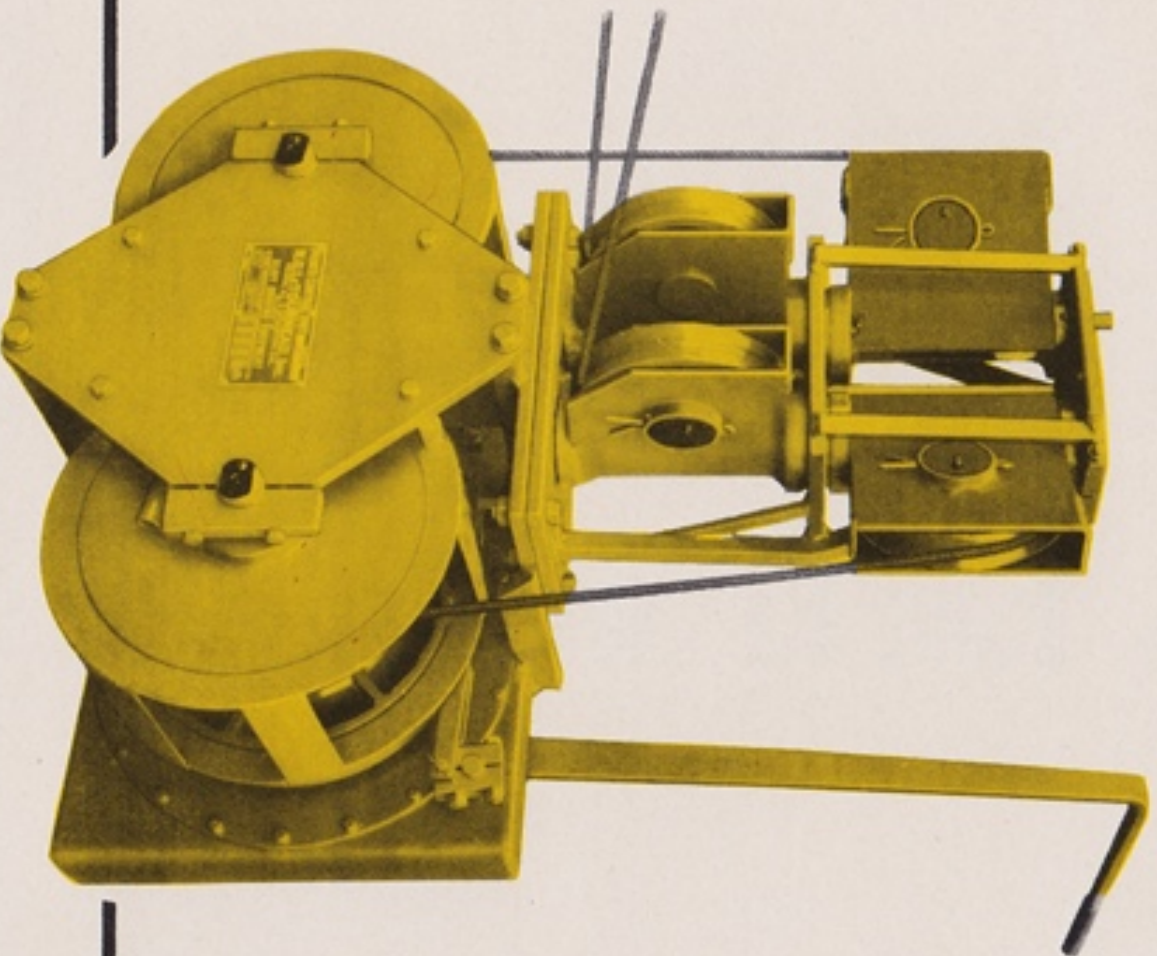
This Tractor model tested at University of Nebraska, July, 1949—Test No. 415.

CATERPILLAR TRACTOR CO., PEORIA, ILLINOIS

DIESEL ENGINES—TRACTORS—MOTOR GRADERS—EARTHMOVING EQUIPMENT

POWER CONTROL UNIT

**MODELS
R 8 & R 7**



EXTRA HEAVY DUTY

LARGE CABLE CAPACITY

DOUBLE DRUM

ATTACHMENTS FOR CONVENIENCE AND COMFORT

CANOPIES

CANOPY TOP

The canopy top shields the operator from the sun and provides shelter during showers or sudden downpours. The top is supported by four steel posts held by four stout brackets and is easily installed by fastening the brackets to the tractor fenders. The top is light in weight but strong and flexible to withstand long use.

Available for D8, D7, D6, D4, and D2.

