

THE
SCAMMELL
6 x 6
CONSTRUCTOR



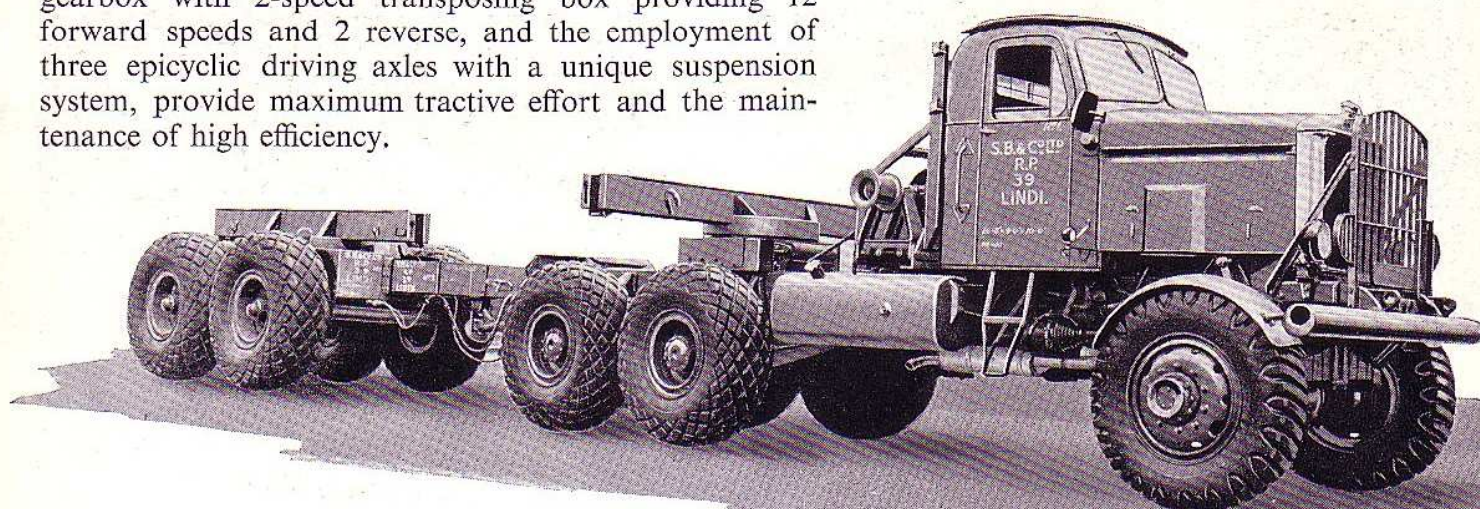
FOR THE TOUGHEST ASSIGNMENTS

THE SCAMMELL 6 x 6 CONSTRUCTOR

Ruggedly constructed for the most arduous tasks

The Scammell 6 x 6 "Constructor" range of vehicles have been specifically produced to fulfil the demand for a heavy duty vehicle which is required to operate under the arduous "off-the-road" conditions to be found in Oilfields, Hydro-electric schemes, civil engineering construction sites and the like. In addition, the short wheelbase version forms an ideal Tractor for heavy haulage under normal road conditions. Sound engineering practice and the use of the finest materials available result in long life and reliable service under all conditions.

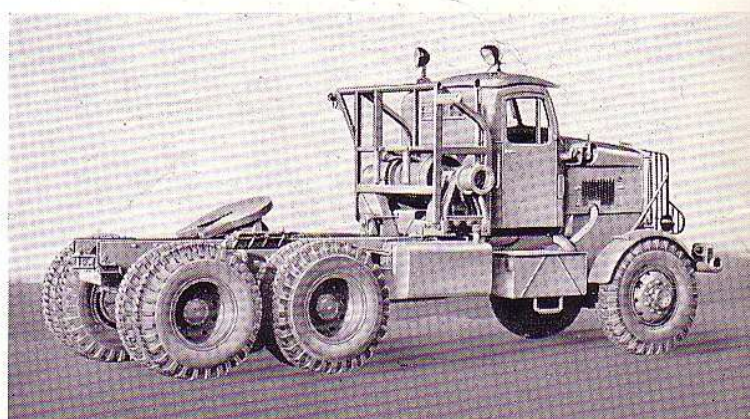
The Rolls-Royce 185 B.H.P. Diesel engine, six-speed gearbox with 2-speed transposing box providing 12 forward speeds and 2 reverse, and the employment of three epicyclic driving axles with a unique suspension system, provide maximum tractive effort and the maintenance of high efficiency.



"Constructor" 15' 9" Wheelbase Motive Unit with extensible pole type semi-trailer for round timber haulage.



"Constructor" 21' 9" Wheelbase Oilfields Truck fitted with 50,000 lbs. line pull reversible winch, tail roller, headache rack and gin pole equipment. Load capacity 40,000 lbs.



"Constructor" 15' 9" Wheelbase Oilfields Motive Unit with 80,000 lbs. line pull reversible winch and fifth wheel turntable for attaching semi-trailers.



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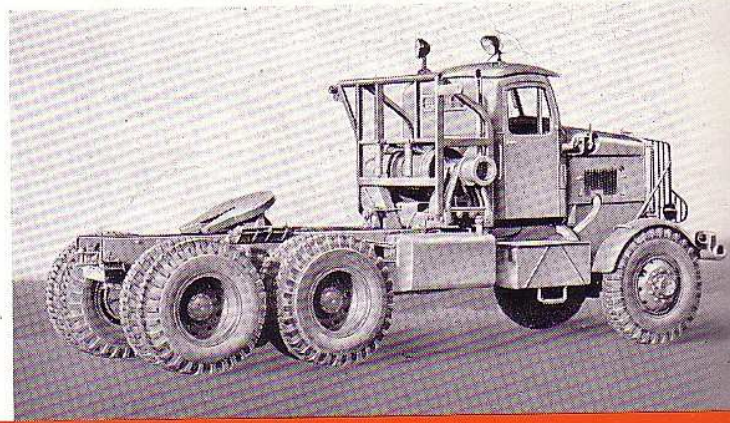
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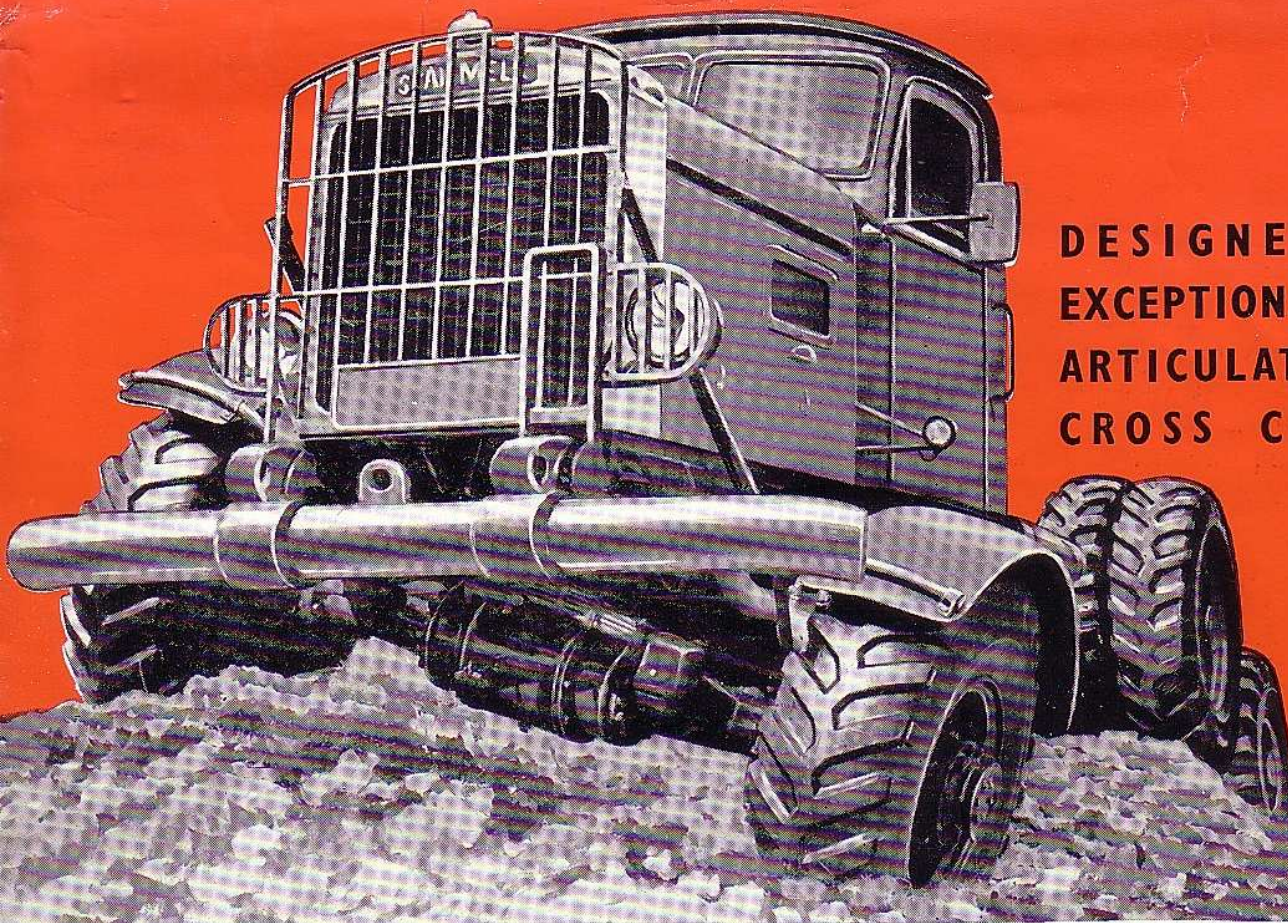
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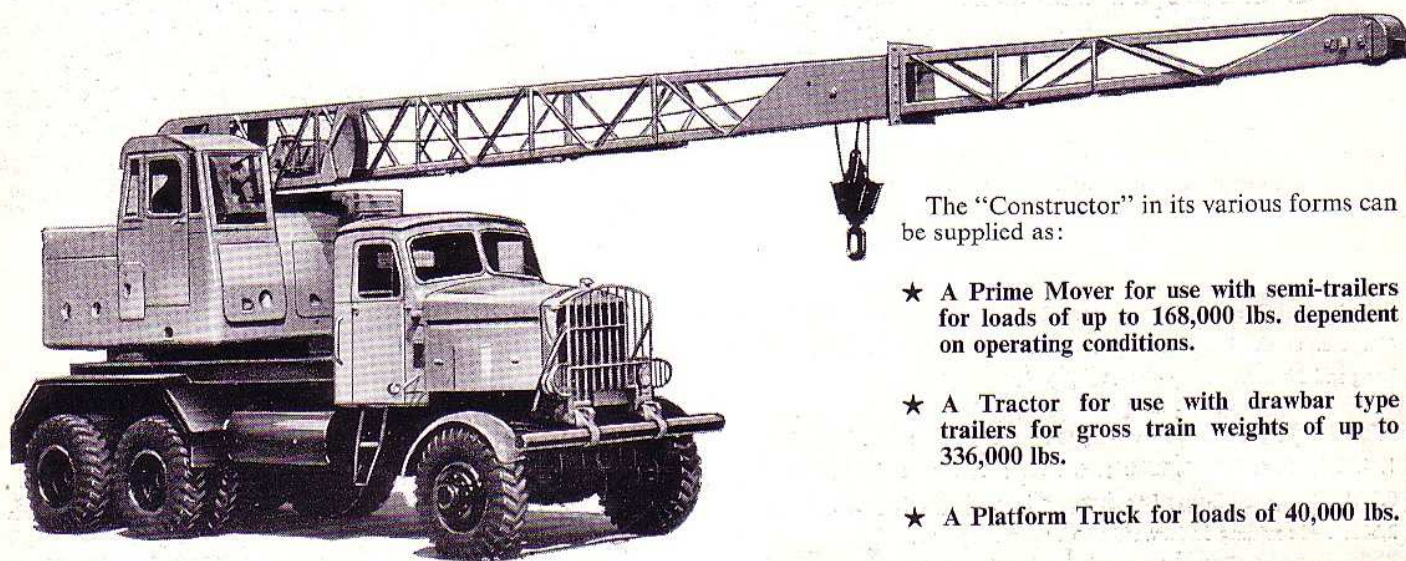
"Constructor" 15' 9" Wheelbase Heavy Duty Tractor with winch suitable for gross train weights of up to 336,000 lbs.



"Constructor" 15' 9" Wheelbase Motive Unit with extensible pole type semi-trailer for loads of abnormal length.



**DESIGNED WITH
EXCEPTIONAL BOGIE
ARTICULATION FOR
CROSS COUNTRY
WORK**

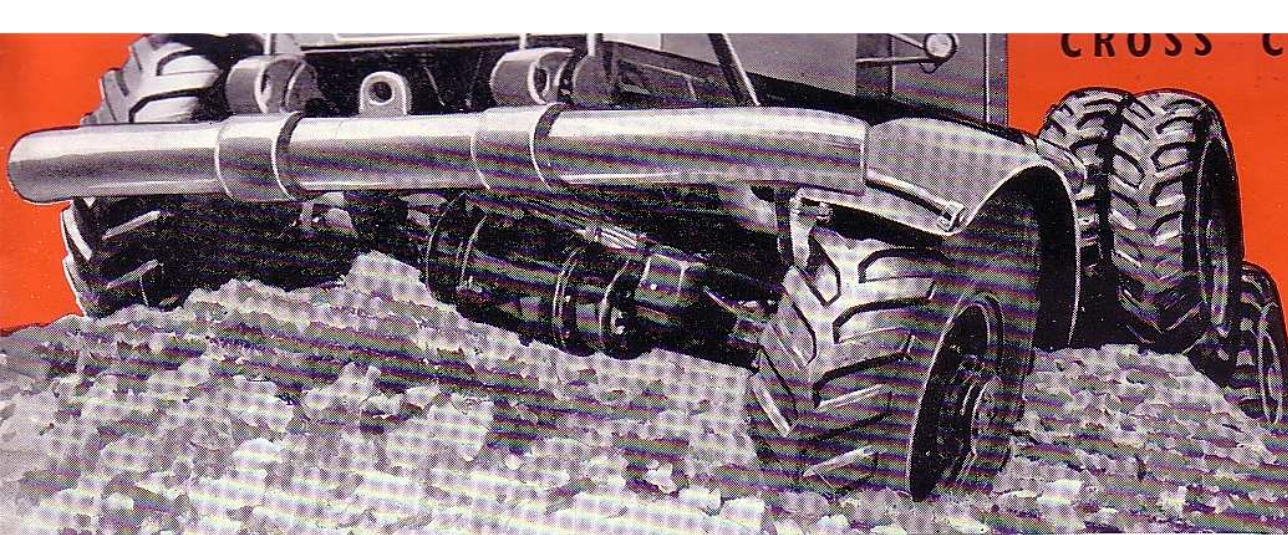


"Constructor" 15' 9" Wheelbase mobile crane chassis. Available in capacities from 6 to 20 tons.

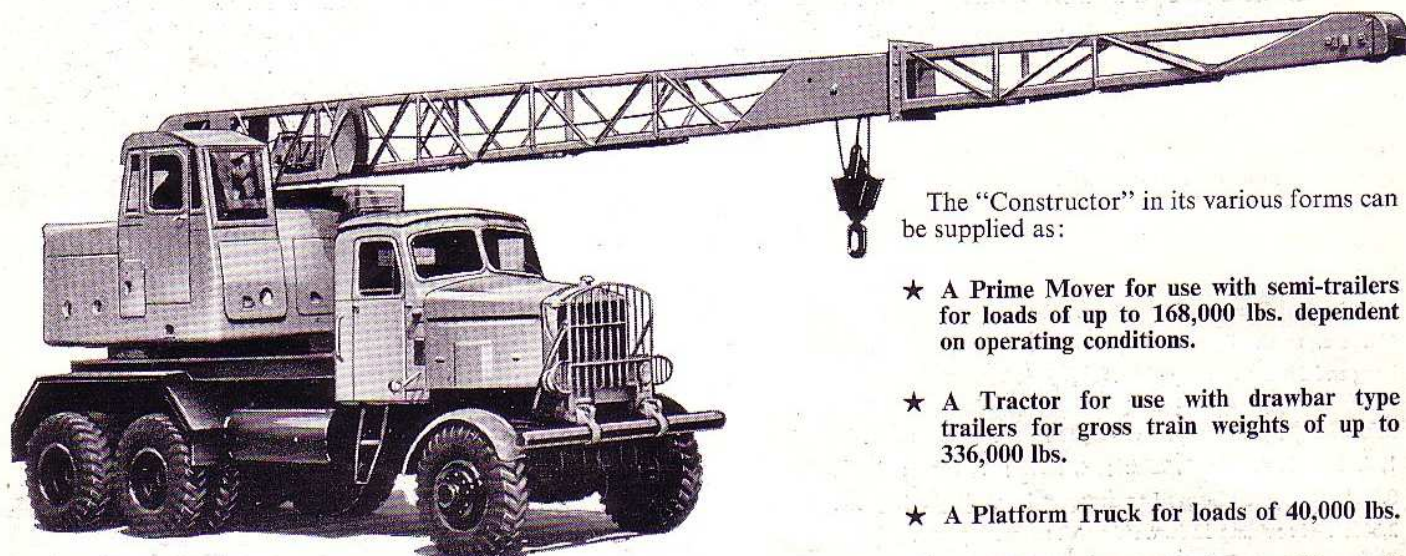
The "Constructor" in its various forms can be supplied as:

- ★ A Prime Mover for use with semi-trailers for loads of up to 168,000 lbs. dependent on operating conditions.
- ★ A Tractor for use with drawbar type trailers for gross train weights of up to 336,000 lbs.
- ★ A Platform Truck for loads of 40,000 lbs.
- ★ A Chassis for Oilfields mobile well servicing hoists.
- ★ A Chassis for truck-mounted excavator equipment.
- ★ A mobile crane Chassis, etc., etc.





CROSS COUNTRY WORK

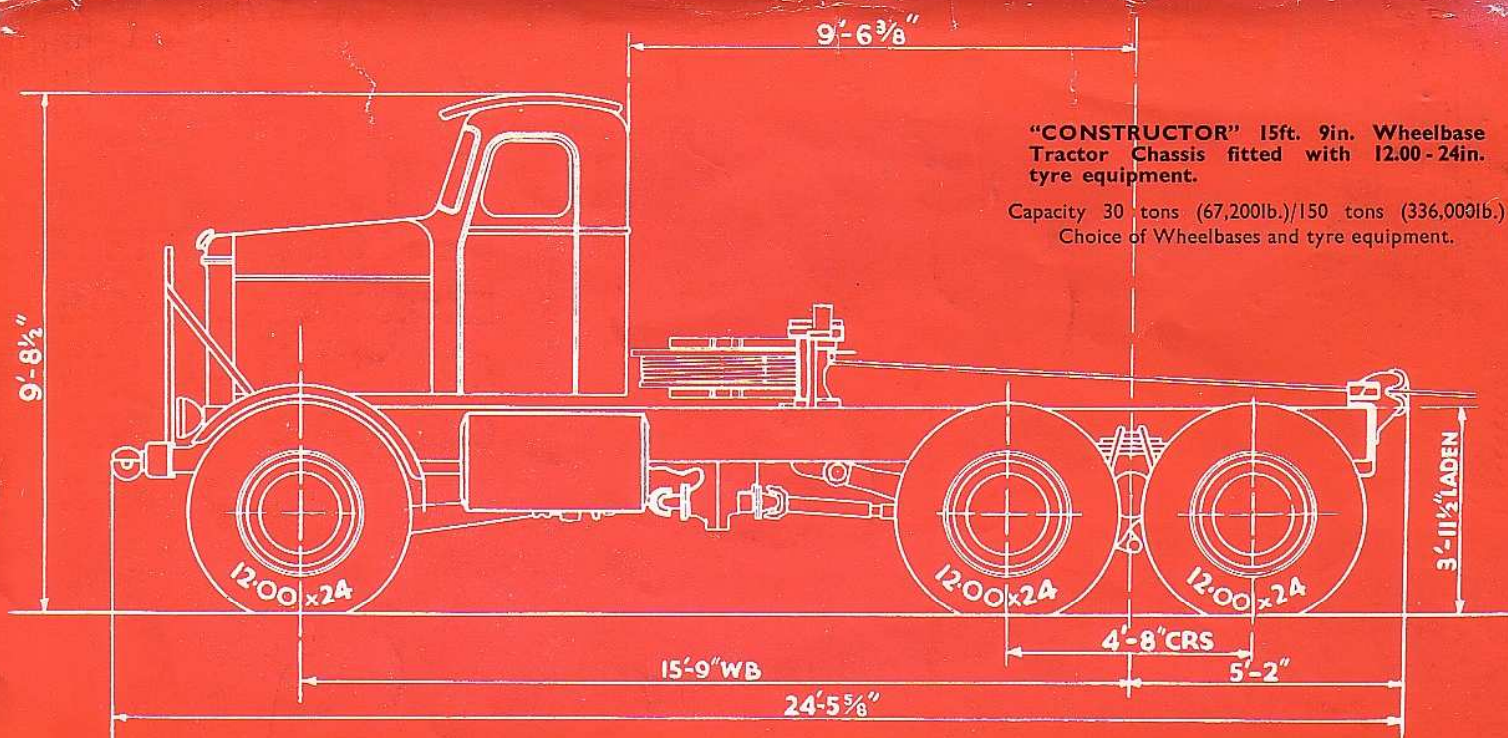


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ABRIDGED SPECIFICATION OF SCAMMELL 'CONSTRUCTOR' CHASSIS

ENGINE Rolls-Royce six-cylinder Diesel. Bore: 130 mm. Stroke: 152 mm. Capacity: 12.17 litres. Torque: 505 lb./ft. at 1,300 r.p.m. B.H.P. (Nett): 185 at 2,100 r.p.m. Crankshaft: Nitrided, 7 bearings. Crankcase: Monobloc with wet liners. Vandervell main bearings. Cylinder Head: high grade cast iron with Valmet inlet and exhaust valve inserts. Valves: K.E. 965 Stellited. Air Cleaner: Burgess 9in. dia. with A.C. Pre-cleaner Built-in Oil Cooler. Compressor: 2-cylinder .15 cu. ft. Starter: 6in. dia. axial. Dynamo: 5 1/2 in. dia. 24 volt. Clutch: 18in. dia. Borg and Beck single dry plate.

GEARBOX Scammell 6 - speed constant mesh. Ratios: 1, 6.55:1; 2, 4.07:1; 3, 2.53:1; 4, 1.61:1; 5, 1.00:1; 6, .622:1; R., 8.37:1. Scammell 2-speed transposing box. High: 1, 323:1. Low: 2,535:1. Providing 12 forward and 2 reverse speeds.

FRONT AXLE Scammell epicyclic double reduction with constant velocity joints. Disengageable drive. Ratio 10.25:1.

REAR AXLES Scammell fully floating Heavy Duty epicyclic double reduction driven by independent propellor shafts. Ratios 10.25:1. 11.28:1 with 16.00-20" tyres.

STEERING Cam and double roller type with air pressure assistance. Optional left or right hand controls.

SUSPENSION Front: Transverse spring pivoted at its centre. Rear: Longitudinal springs pivoted at their centres; 17in. articulation on each axle.

BRAKES Front: Girling air pressure operated. Rear: Scammell toggle action air pressure assisted. "Hillholder" lever on steering column. "Neates" hand lever acting on rear wheels.

WINCH Scammell Vertical Spindle type with 450ft. of 3/4 in. dia. steel cable. 33,500lbs. direct line pull. Drive at all gearbox ratios.

TYRES 12.00-20", 12.00-24", 13.00-24" or 14.00-20" all round with twins on rear. 12.00-24" front and 16.00-20" singles on rear.

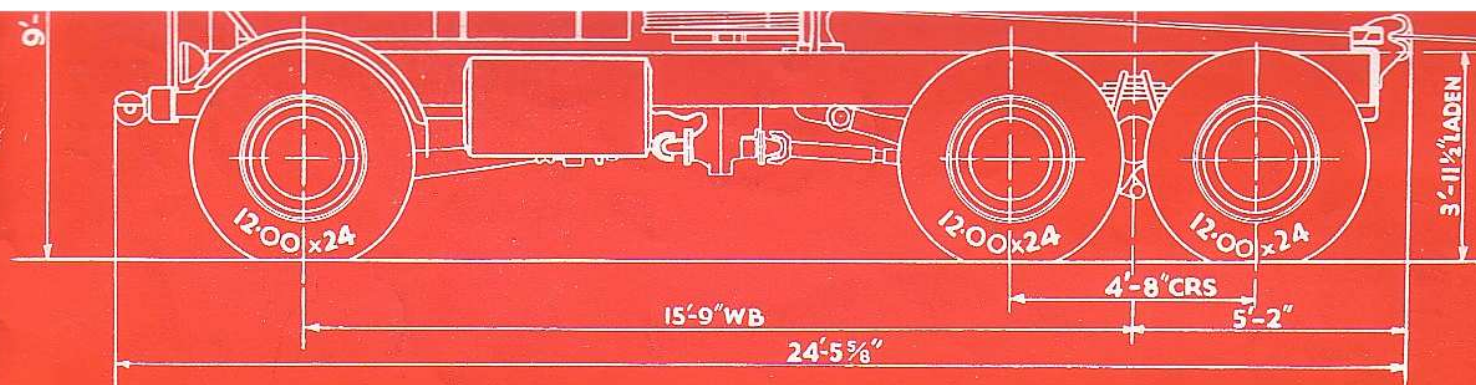
MAXIMUM TRACTIVE EFFORT 45,000lbs.

AVAILABLE WHEELBASES 15ft. 9in., 17ft. 8in. and 21ft. 9in.

DATA WHEN FITTED WITH 12.00-24in. TYRES			
Gear	Ratio	Max. Speed	
		High	Low
1.	6.55	2.79	1.46
2.	4.07	4.5	2.35
3.	2.53	7.24	3.78
4.	1.61	11.44	5.92
5.	1.00	18.23	9.58
6.	.622	29.4	15.4

OPTIONAL EQUIPMENT FOR SPECIAL REQUIREMENTS AVAILABLE ON APPLICATION

For further particulars write to the makers



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SCAMMELL LORRIES LIMITED
WATFORD, HERTS., ENGLAND.

Telephone: Watford 5231

Telegrams: Twelfton, Watford

Catalogue Ref. No. H. V. Con. 2/2M/9/55