

HARVEY FROST

PICK-UP Crane

As approved by The Rover
Co. Ltd. for use with the . .

**LAND-
ROVER**

A new lightweight detachable unit for fast pick up recovery and delivery service designed especially for mounting on the Land Rover Chassis.

The Crane has a safe working load of 30-cwts., but its capacity as a breakdown crane is determined by the carrying capacity of the truck on which it is mounted.

When mounted on the Land Rover it makes an ideal assembly for recovering cars and light vans.

RECEIVED

- 1 AUG 1962

- HF UNIVERSAL PATENTED GEAR UNIT incorporating Friction Clutch. Load locked automatically. Just stop winding and Brake automatically holds the load when lifting or lowering.
- CRANE detachable from vehicle in minutes. Average weight cars slung by special Bar (optional extra) and towed in at speed.
- RIGID CONSTRUCTION — fixed to bearer bars by latch bolts and locking pins — instantly removable — enabling Crane to be easily dismantled.
- SWIVELLING HEAD — for side pulls — totally enclosed sheaves and pulley blocks — Rope guide preventing Cable from riding up on Sheaves.
- DOUBLE FALL ROPE — instantly converted to single long length haulage rope by unhitching hook fixed to Cable end on Crane head and hooking round cable above snatch block.

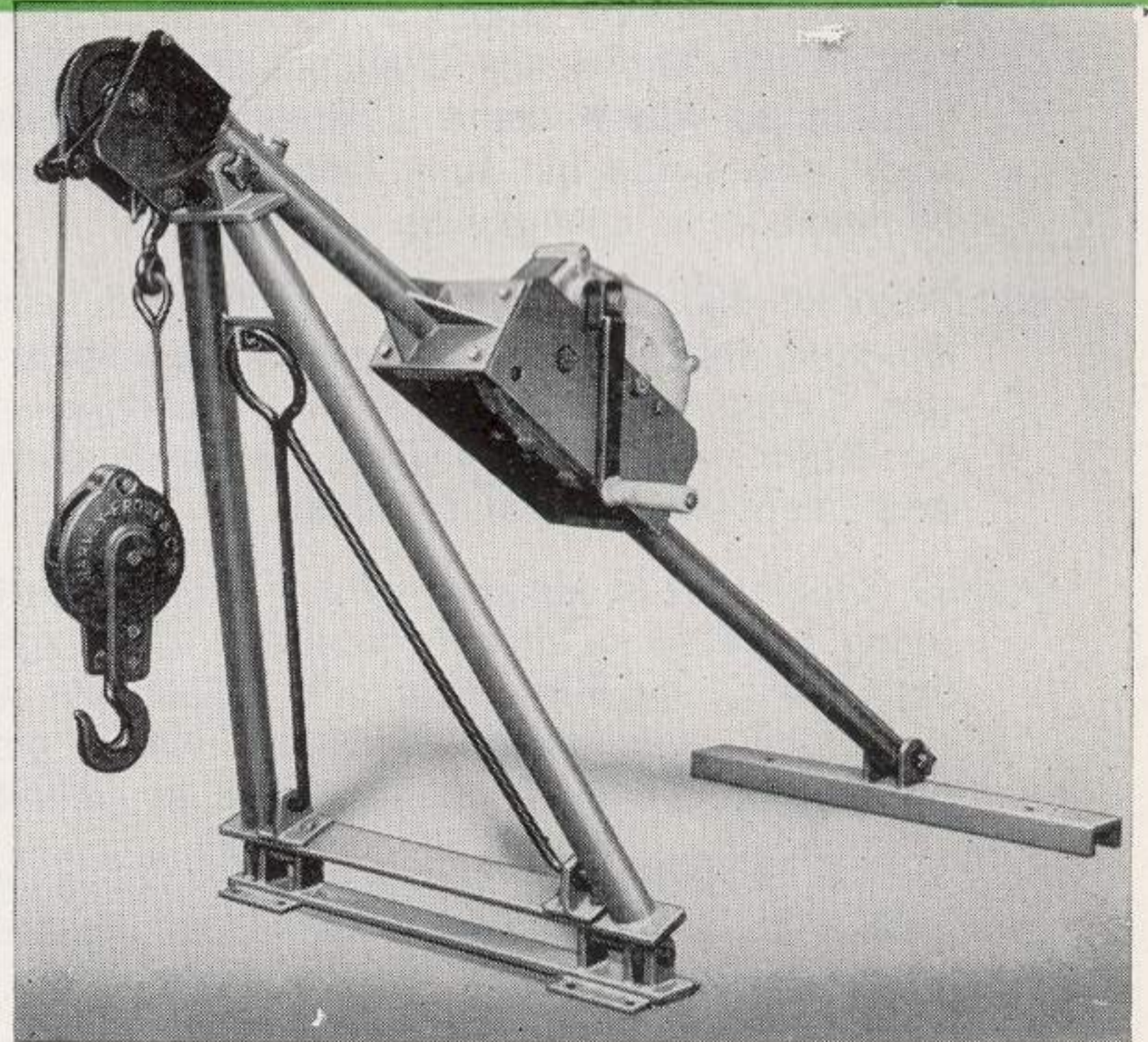


Fig. 1.

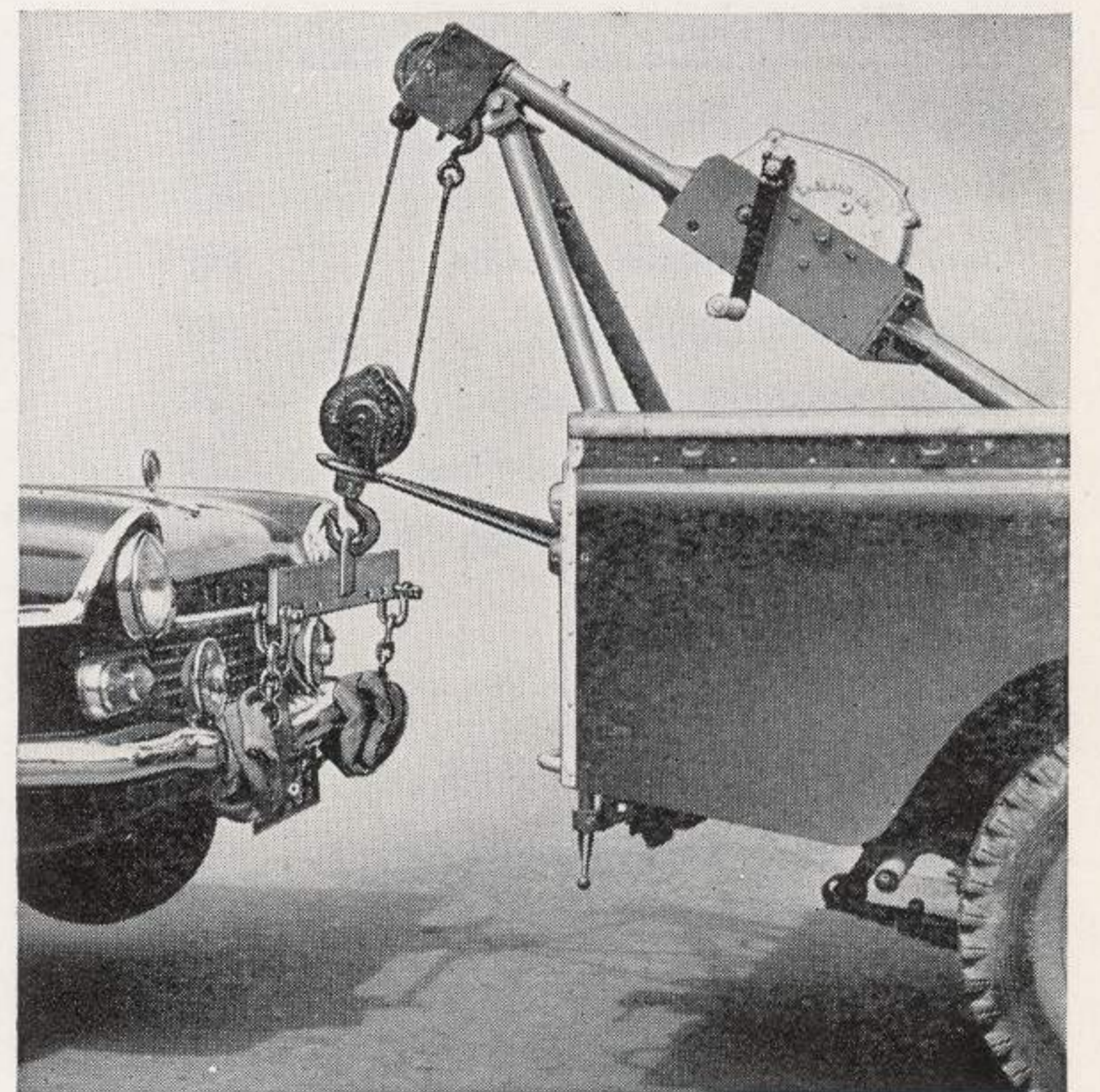


Fig. 1. View of Crane without optional extras.
Fig. 2. Lifting with Chain Sling — optional.

Fig. 2.

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SPECIFICATION

LOW HEIGHT — easily mounted — quickly removed from vehicle body when not wanted, leaving truck available for everyday use.

REAR SUPPORTING JACKS (Not illustrated) Cat. 56. (Optional) These are available for fitting to rear of vehicle on which crane is mounted to take weight off back axle when handling heavy jobs necessitating use of breakdown ambulance.

ANTI-SWAY BAR is built into Crane 'A' frame and is dropped into position by releasing special clip — passing Crane Hook through Sway Bar eye — illustration on Right — Anti-Sway Bar cannot become detached and keeps control of the load.

SLING (Optional) In absence of any lifting point on vehicle being handled — Sling is available as an optional extra fitted with double chain and hooks for coupling up with car undergear — bumper being protected by sacking or old tyre section used as packing.

As with all HF Cranes — complies with B.S.S. Specification. Tested to 25% overload. Test certificate supplied.



Crane mounted on Land Rover showing Anti-Sway Bar in position.

Dimensions (Approximate)

Width of Base (Rear)	34½"
Width of Base (Front)	34½"
Overall Width including handle ..	34½"
Length of Base (Adjustable)	49"
Overall Height (Adjustable)	52"
Overhang from Base — Hook free ..	23"
Overhang from Base — with Anti-Sway Bar in position	30"
Runout of Cable Double	9 ft.
Runout of Cable Single	18 ft.
Weight of Crane	323 lbs.
Weight of Crossbeam with Chains and Shackles	48 lbs.
Weight of Crossbeam without Chains and Shackles	31 lbs.

Catalogue No. 21 (Pick-Up Crane)
Catalogue No. 21a (Sling Optional)
Catalogue No. 56 (Rear Supporting Jacks - Optional)

The HF Pick-up-Land Rover assembly has been tested and approved by the Rover Co. Ltd., for the payloads as listed.

Payloads

86" Wheel Base	1000 lbs.
107" Wheel Base	1300 lbs.
88" Wheel Base. Series I	1000 lbs.
109" Wheel Base. Series I	1300 lbs.
88" Wheel Base. Series II	1000 lbs.
109" Wheel Base. Series II	1500 lbs.

Heavy duty suspension is recommended on both short and long Wheel Base Land Rovers for this application.

It is also important to have as much front payload as possible to counteract the overhang weight at the back. For this reason it is recommended to carry the spare wheel on the bonnet and Towing Ambulance when carried should be located at the front end, using brackets bolted to the front chassis members, the Ambulance Tow Pole being disconnected and carried in the vehicle.

Land Rover Extras Required:

Bonnet spare wheel mounting	— 88" and 109" W.B.
Heavy Duty Suspension	— 88" and 109" W.B.