

The FULLER

Liquid Manure and Sludge Handling Equipment

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



300 gallon Tank attached to Land-Rover

Introduction ..

The object of the ' Fuller ' Liquid Manure and Sludge Handling Equipment is to provide modern and efficient machinery to make use of the extremely valuable liquid manures which are often allowed to run to waste.

The broad principles of the machine are filling by vacuum and agitation of material while in transit and distribution. By this method, sludge-like material can be lifted from sump, or direct from cowshed grip or collecting yard, and distributed straight back onto the land in one operation—no second handling and no problem of storage.

The vacuum pump is mounted between the two front seats after removing the centre seat as illustrated overleaf. The drive is by Vee-belt from P.T.O. pulley fitted to the gearbox (obtainable through all Rover Agents).

Agitation is achieved by directing discharged air from the vacuum pump into the base of the tank interior ; the air passing up through the material provides a very efficient form of agitation.

Choking of the outlet is prevented by directing an airstream onto the outlet valve. This enables liquid with high solid content to be handled successfully.

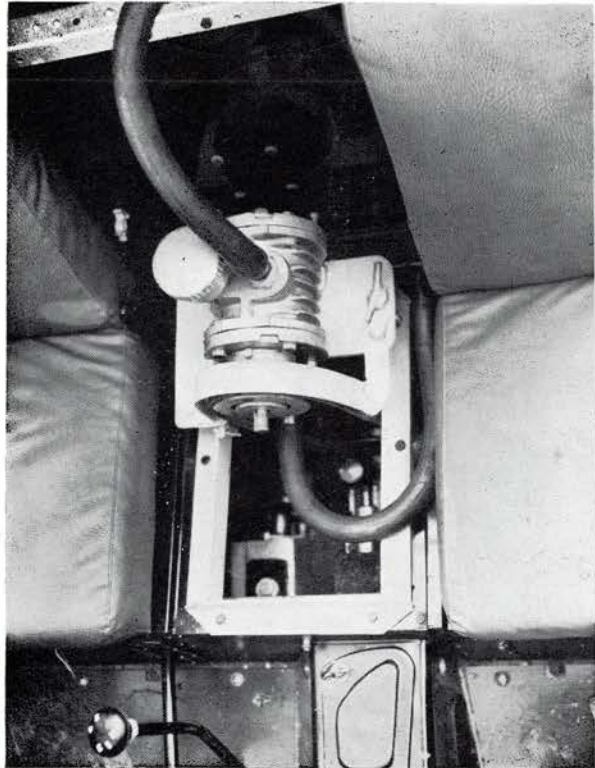
The vacuum cuts out automatically to prevent over-filling or liquid entering the pump. A special hand operated valve controls filling and agitation.

The liquid is distributed in a perfectly even fan shape. It passes through a fullway outlet valve fitted with a deflector plate on to the main semi-circular spreader plate.

For Sludge-like material of high solid content the Rotary distributor is recommended. This uses the road wheels to drive a multi-bladed tine rotor which breaks the material into small particles for even distribution.

ALLAN FULLER LTD
:: :: CHEPSTOW :: ::
MONMOUTHSHIRE :: :: ENGLAND
Telephone: CHEPSTOW 2145

SPECIFICATIONS AND DETAILS



Tank Capacity	- - -	420 gallons	300 gallons
Tank Interior	- - -	Bitumen Coated	Bitumen Coated
Wheel Equipment	- - -	750 x 16	750 x 16
Wheel width adjustment	-	44" x 60"	40 x 60"
Weight (Machine only)	- -	16 cwt	14 cwt
Weight (Loaded)	- - -	52 cwt	38 cwt
Weight at Drawbar (Loaded)	-	7½ cwt	6 cwt approx
Filling time (water from 5ft sump)	-	5½ minutes	4 minutes
Maximum Lift	- - -	20 feet	20 feet
Width of spread (depending on solid contents)		5ft to 6ft	5ft to 6ft

SHIPPING SPECIFICATIONS :

300 Gallon Size	5' 0" x 3' 6" x 9' 4"	Weight 14¼ cwt
420 Gallon Size	5' 3" x 3' 10" x 9' 10"	Weight 16 cwt

LAND-ROVER EXTRAS REQUIRED :

**CENTRE POWER TAKE-OFF WITH PULLEY
TOWING EQUIPMENT (EIGHT HOLED PLATE)
HAND THROTTLE FOR PETROL ENGINE MODELS**