
Common causes for an insufficient output of power lifters

Remedy

Compression spring of the safety valve has become weak

Rework screw plugs or insert shim or replace compression spring

Gear pump, delivery gear chambers and bearings worn out

Replace pump by a new one or have it repaired by the manufacturer

U and V packing rings in the working cylinder are leaky or grooves in the cylinder wall

Replace the packing rings or re-hone the cylinder or replace the cylinder by a new one

Excessive backlash between control piston and the body of control device

Rebore the hole, grind in new control piston and lap it, re-hone the bore-hole

Excessive backlash of selector slide valve (seldom)

Grind in new selector slide valve and lap it

(5) Winches and Special Accessories

(a) Rope Winch

When operating tractors on impracticable terrain, e.g. forest and mountains, the rope winch is very useful for the performance of heavy work. Heavy loads which cannot be moved due to an insufficient ground adhesion of the tractor can be conveyed by means of this winch. The tractor must be secured from skidding by a sprag or by appropriate anchoring. The winch has also proved useful for loading trunks on trailers. Fig. 308 shows a rope winch connected with a tractor. Normally it is driven from an engine-driven power take-off via

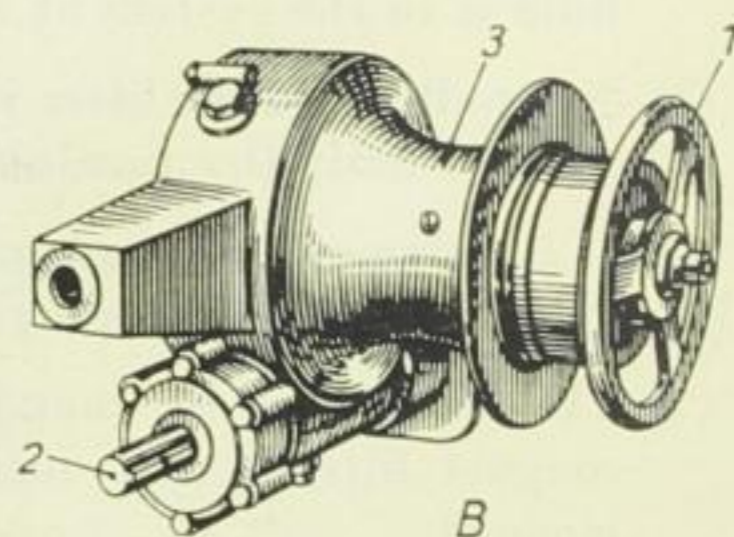
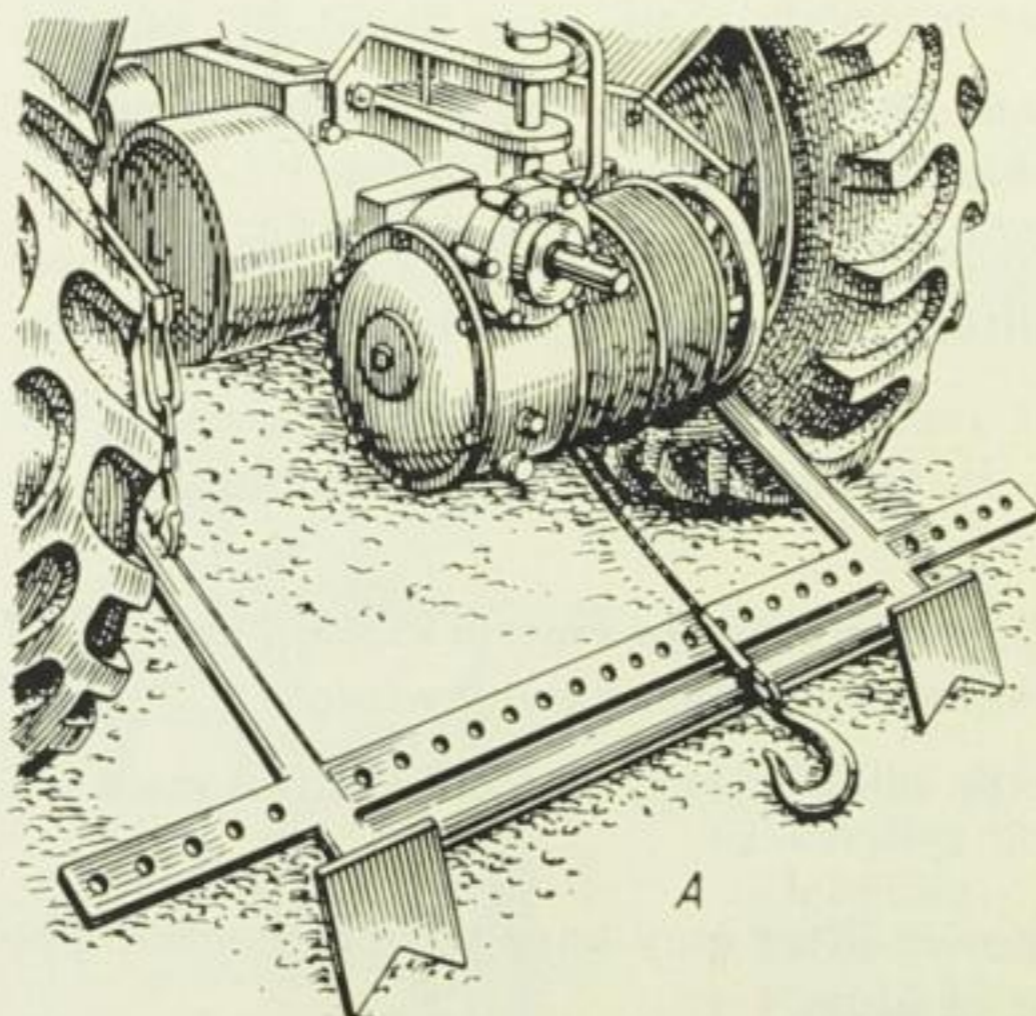


Fig. 308. Rope winch

A Rope winch mounted on tractor
B Rope winch before mounting

- 1 Hand wheel
- 2 Connection for rear power take-off
- 3 Rope drum