

(b) *Hydraulic Power Lifter*

The working principle in essence is equal to that of a hydraulic brake (see page 179). The lifter consists of the following major components (Fig. 306):

Hydraulic pump
Control members
2 working cylinders, fluid reservoir and
Protective flexible tube

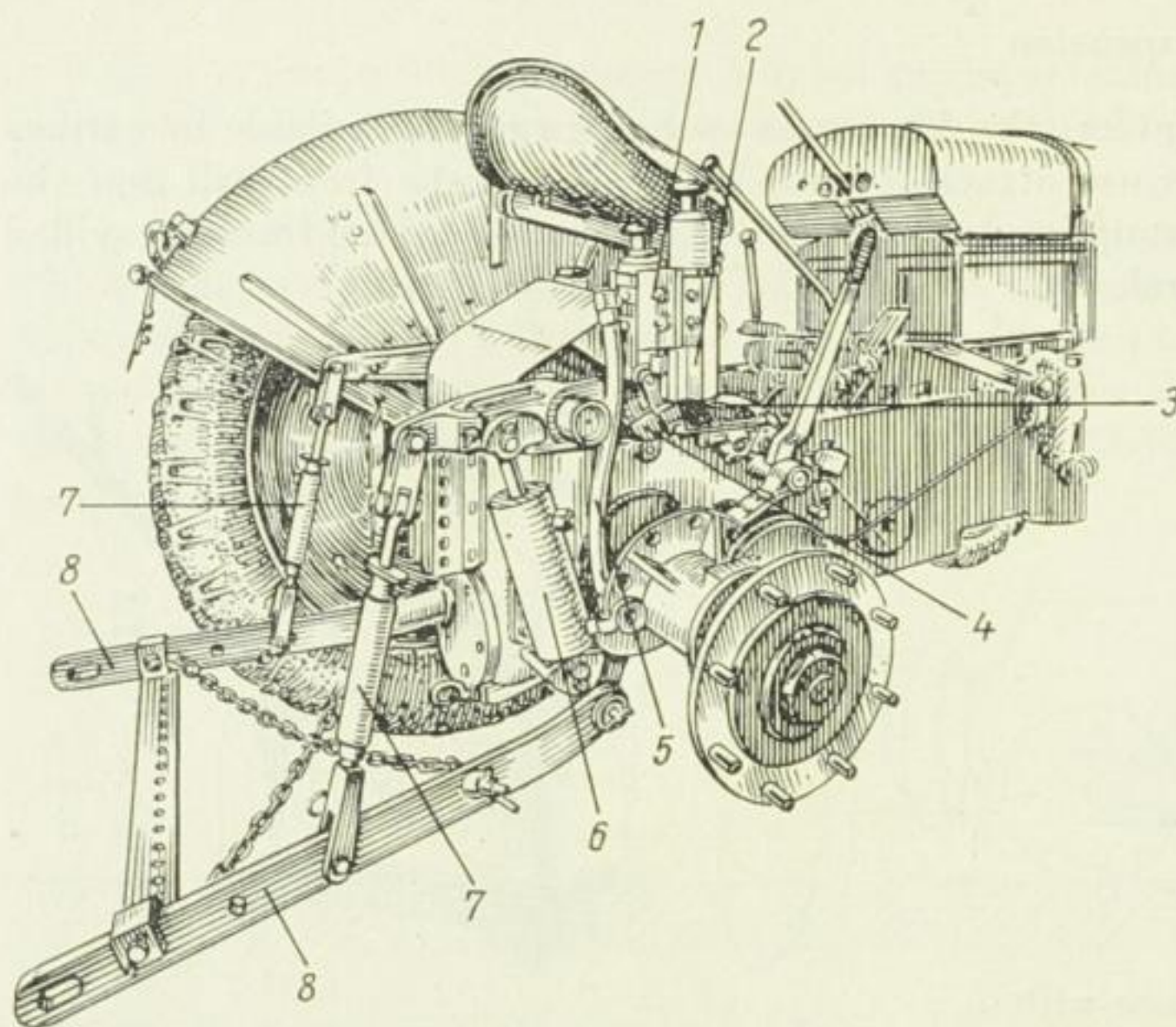


Fig. 306. Hydraulic power lifter

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|------------------------|----------------------------|
| 1 Selector slide valve | 5 Flexible protective tube |
| 2 Control members | 6 Working cylinder |
| 3 Fluid pump | 7 Lifting rod |
| 4 Mechanical lock | 8 Lower control arm |

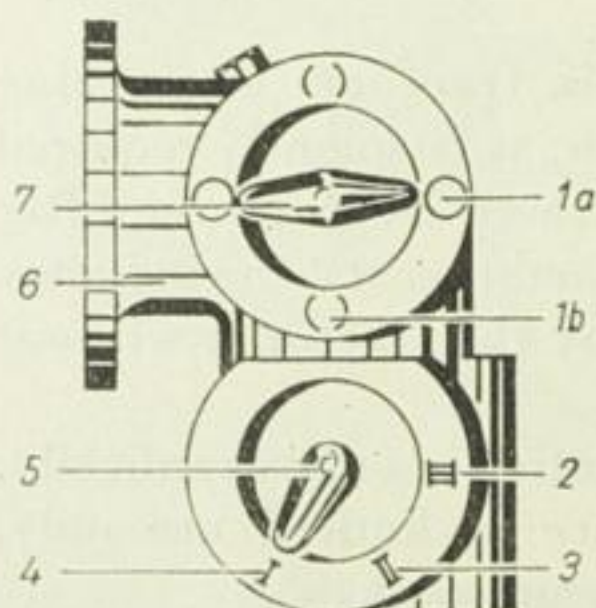


Fig. 307. Selector slide valve

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|-----------------------------------|-----------------------------|
| 1a Lifting and Pressing | 4 Power lifter |
| 1b Floating position and lowering | 5 Switch for selector |
| 2 Second working cylinder | 6 Control with safety valve |
| 3 First working cylinder | 7 Switch for control |