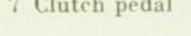
In tractors cone clutches, single-plate clutches, multiple-plate clutches, and hydraulic couplings are used.

(b) Types of Clutches

Cone Clutch. Tractors of older designs may still be equipped with a cone clutch. Fig. 196 demonstrates that a cone is pressed into the tapered recess of a flywheel by a spring. The cone of the clutch is provided with a clutch material which produces the required friction by virtue of which a clutch functions.

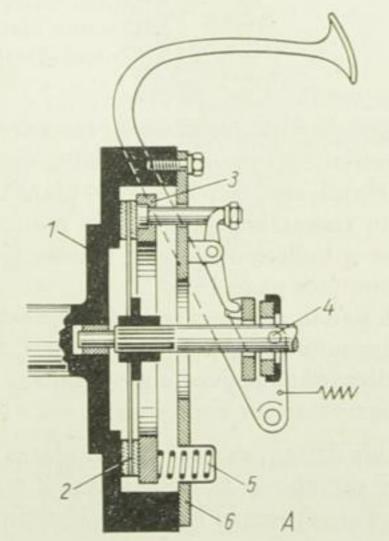
Fig. 196. Cone clutch

- 1 Flywheel
- 5 Clutch facing
- 2 Crankshaft
- 6 Clutch release device
- 3 Clutch spring
- 7 Clutch pedal
- 4 Clutch cone



Single-plate Clutch. In automotive engineering primarily plate-type clutches are used. There are single-plate clutches and multi-plate clutches which may be acommodated in an oil bath or be of the dry-plate type. The dry-plate clutch is preferably used in the tractor-building industry.

In this field, the single-plate clutch has proved successful because of its simple design and reliable function and because it meets the specific requirements of tractor operation.



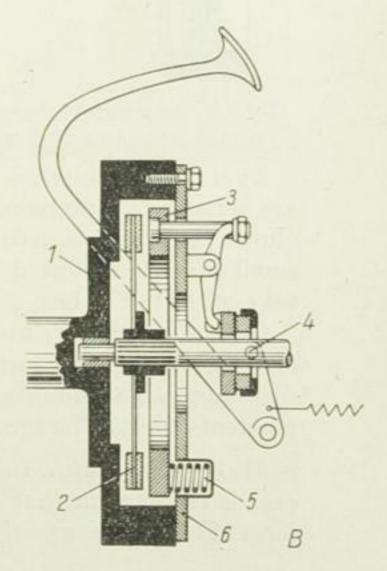


Fig. 197. Single-plate clutch

- A Engaged
- B Disengaged
- 1 Flywheel
- 2 Clutch disk faced with clutch material
- 3 Pressure plate
- 4 Release mechanism
- 5 Clutch spring
- 6 Cover plate