the neutral position transmitter. In the neutral position the transmitter spring closes, through an insulated contact, the electric circuit of the warning lamp fitted on the dashboard. When one of the arms of the foot gearshift pedal is depressed with the foot, shifter shaft *9* (Fig. 16) linked with the crank-cam, obtains a rocking motion. The crank is fitted with a pin which enters the slot of the pawl sliding along a smooth shaft.

The pawl acts on one of the gearshift disk pins, thus causing the disk to turn. The disk is fixed by means of a lever catch. The reverse gear is engaged with lever *5* (Fig. 19), provided at the right-hand side of the gear box. The lever, being flexible, can be fixed in a certain position on the bevels of the casing and the cover with the help of a round-head screw. When the lever handle is shifted forward, the reverse shift fork and the sliding gear of the secondary shaft are also moved forward. As a result, the sliding gear comes into mesh

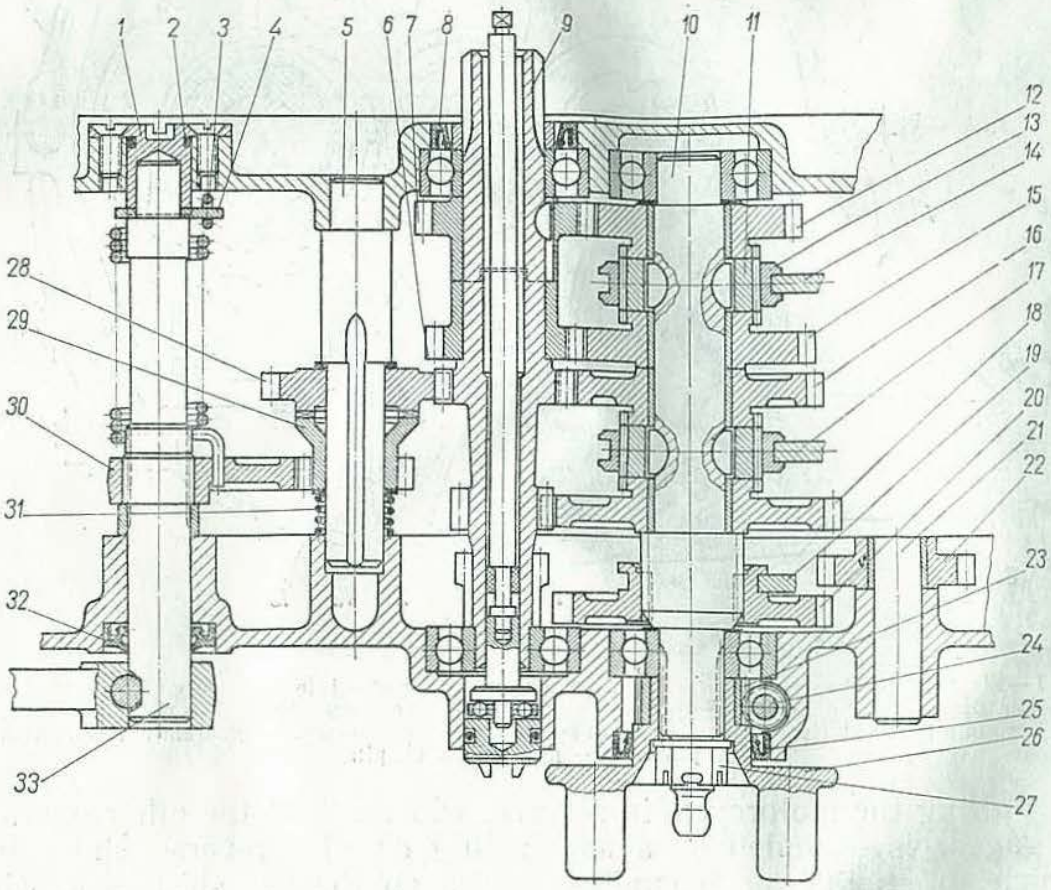

Fig. 15. Lay-out of shafts:

1 — starting shaft bushing; *2* — sealing rubber ring; *3* — starting shaft spring; *4* — spring stop; *5* — intermediate shaft; *6* — third speed gear of primary shaft; *7* — fourth speed gear of primary shaft; *8* — gland; *9* — primary shaft; *10* — secondary shaft; *11* — splined sleeve; *12* — fourth speed gear of secondary shaft; *13* — gearshift sleeve; *14* — third and fourth gear shift fork; *15* — third speed gear of secondary shaft; *16* — second speed gear of secondary shaft; *17* — first and second gear shift fork; *18* — first speed gear of secondary shaft; *19* — reverse shift fork; *20* — reverse sliding gear of secondary shaft; *21* — idle gear axle; *22* — reverse idle gear; *23* — driving gear of speedometer drive; *24* — driven gear of speedometer drive; *25* — gland; *26* — elastic coupling disk; *27* — slotted nut for securing elastic coupling disk; *28* — large gear of starting mechanism, with end face ratchet; *29* — small gear of starting mechanism, with end face ratchet: *30* — starting mechanism shaft toothed quadrant; *31* — spring; *32* — gland; *33* — starting shaft

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