

## 2. BELT ADJUSTMENT

Remove motor cover and set screws.  
Loosen motor bracket screw (A).  
Slide motor bracket down to tighten  
—up to loosen.

CAUTION : Do not tighten belt  
too tight.

## 3. REPLACING NEEDLE

1. Raise the needle bar to its highest position. (Turn the fly wheel by hand toward you.)
2. Loosen needle clamp screw (A) and remove old needle.
3. Insert the needle into needle bar (B) with the flat side of the needle toward the fly wheel.

CAUTION : Be sure the needle is all the way up. It should rest against the needle stop pin (C).

4. Tighten the needle clamp screw securely with screw driver.

CAUTION : Check needle and make sure it is not bent or dull.

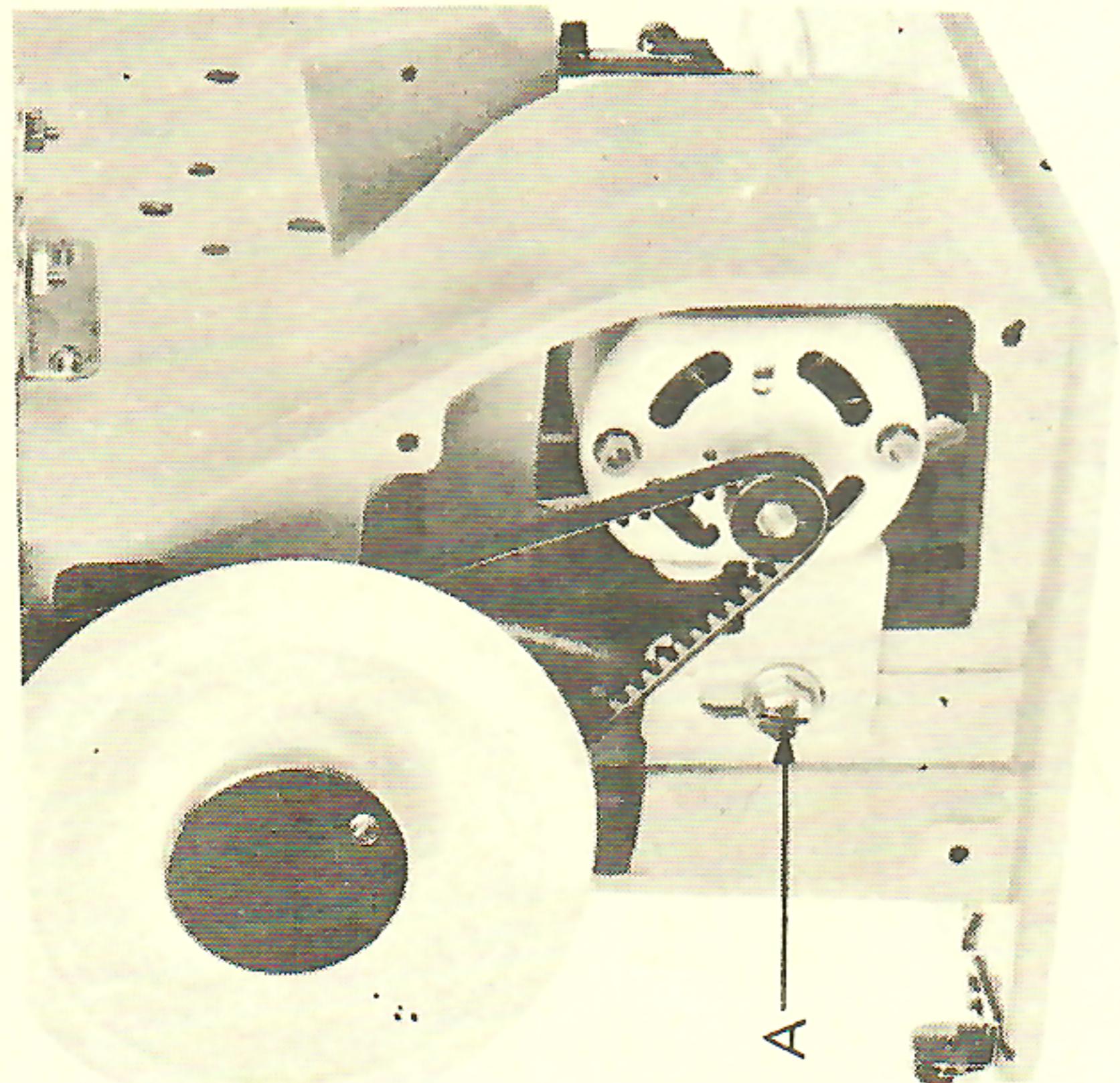


Fig. 4

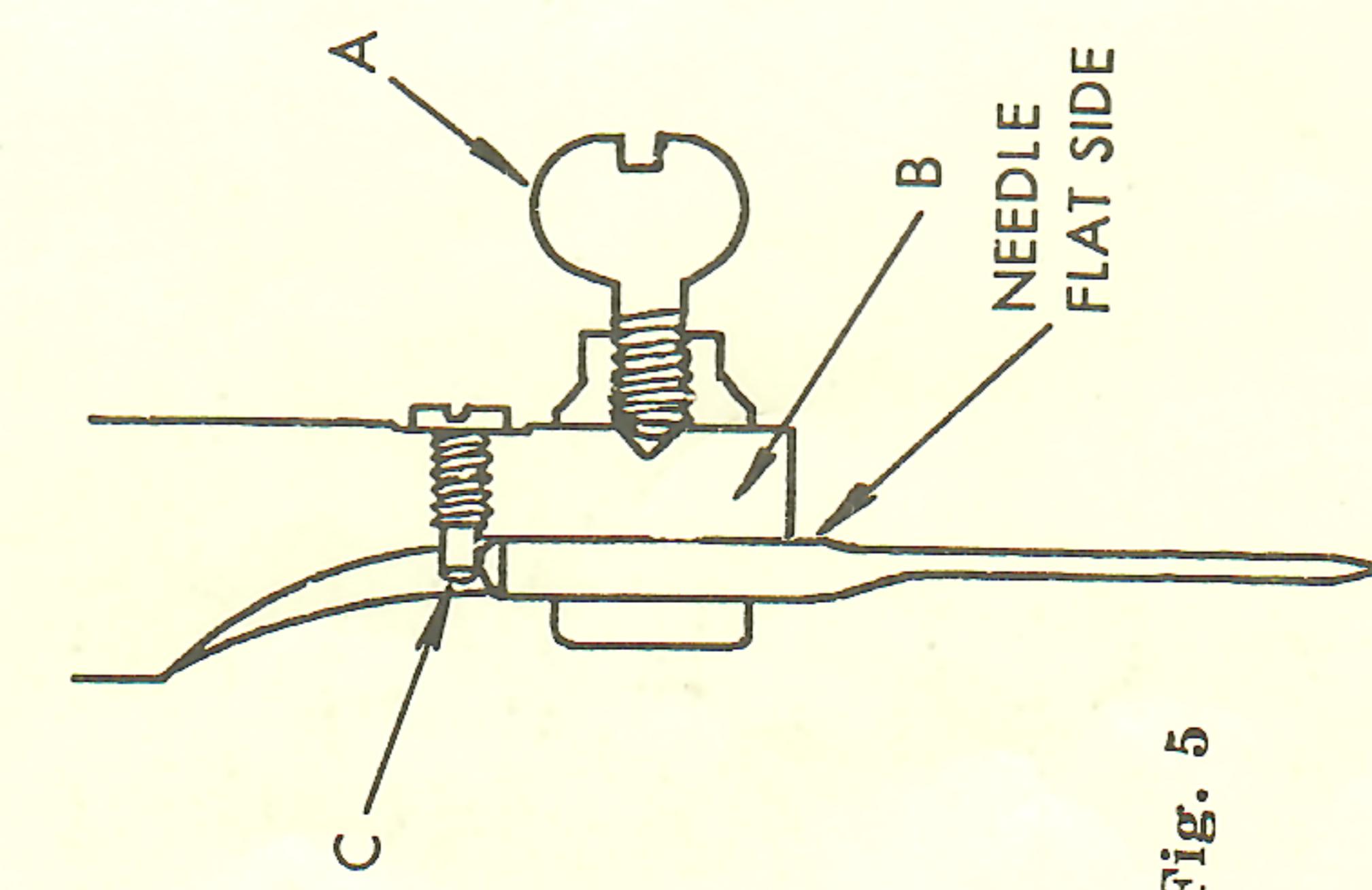


Fig. 5

## 5. WINDING BOBBIN

1. Hold the fly wheel (A) Fig. 7 with the left hand and turn the clutch (B) Fig. 7 toward you to release the clutch. By doing this, the fly wheel turns freely.

NOTE : If the needle moves, the clutch is not completely released.

2. Place thread on the spool pin and guide the thread through the upper thread guide (C) Fig. 8. Then bring the thread across the machine and under the bobbin winder thread guide (D) Fig. 8.

3. Wind the thread several times on the bobbin (E) Fig. 9. Now place the bobbin on the spindle (F) Fig. 9 of the bobbin winder.

NOTE : The lock spring on the spindle must fit into the slot in the bobbin. This is done by holding the rubber ring (G) Fig. 9 with the right hand and turning the bobbin with the left hand until the lock spring slips into the slot of the bobbin.

4. Push the button (H) Fig. 9 of the bobbin winder down until the rubber ring (G) Fig. 9 is brought in contact with the fly wheel.

5. Turn the fly wheel slowly toward you; then operate the machine as in sewing. When the bobbin is full, it will stop.

6. Remove the bobbin from the spindle, then re-engage the machine by holding the fly wheel with the left hand and with the right hand turn the clutch away from you.

NOTE : Make sure you tighten firmly.

## 4. REMOVING BOBBIN CASE

1. Raise the needle bar to its highest position. (Turn the fly wheel toward you by hand.)
2. Open slide plate. With the left thumb and forefinger, open the latch (A) of the bobbin case (B).
3. Remove bobbin case from the spindle post (C). (Pull to the left.)

NOTE : With the latch held open, the bobbin is locked inside the bobbin case. To remove bobbin from the bobbin case, release the latch.

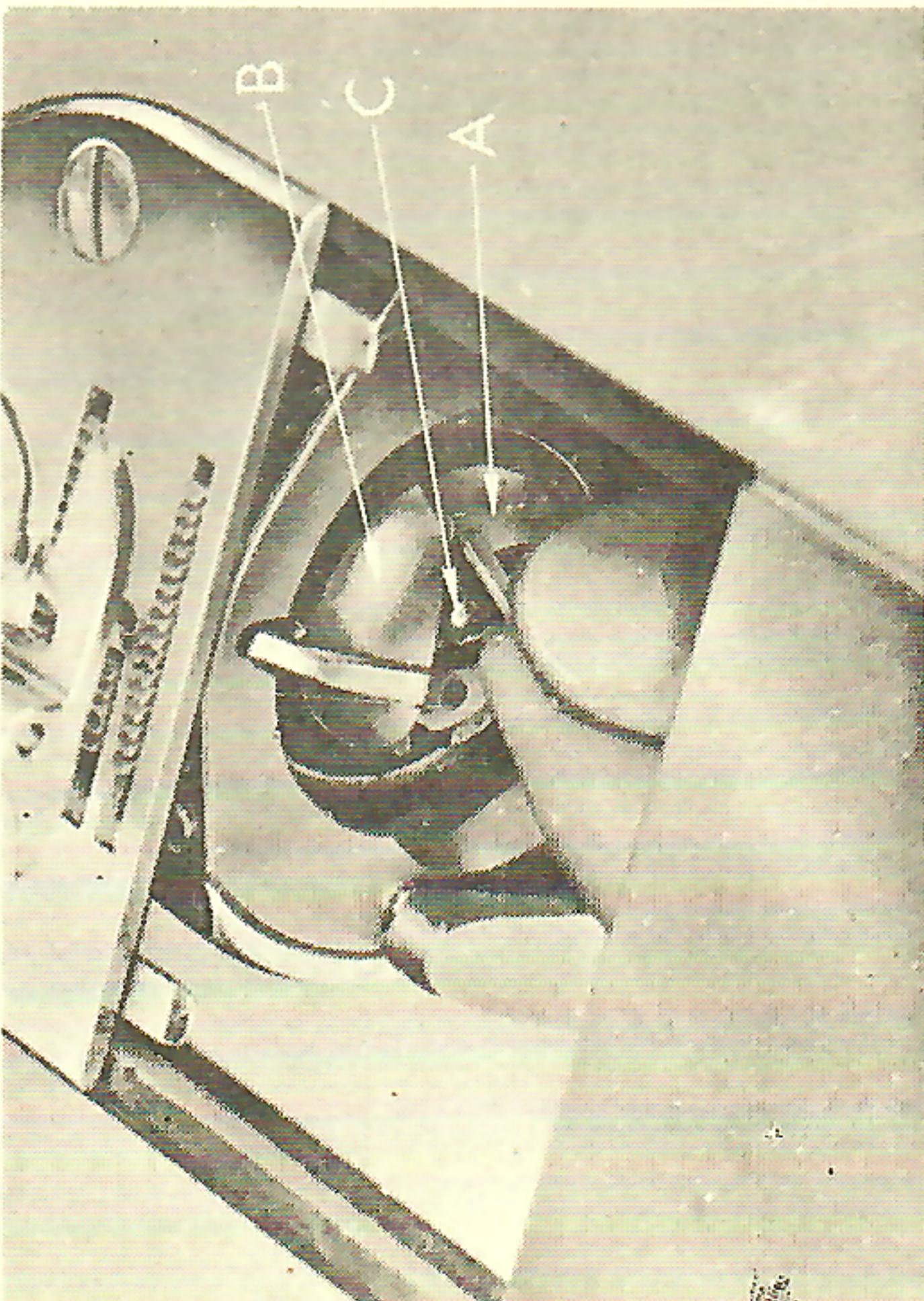


Fig. 6