

17. BUTTONHOLE SEWING

- Be sure to make the following arrangements.
- Attach buttonhole foot.
- Set stitch length dial #2 on the mark.
- Set zig zag stitch dial (B) on O.
- Set the B. S. lever (E) on M.
- CAUTION:** When moving buttonhole lever (D), make sure to keep needle at the highest position.
- Move buttonhole lever (D) toward BH arrow, to set "1" of buttonhole dial (C) at the point indicated on the top cover.
- Set the dial (C) at "1" to sew between C and A.
- Set the dial (C) at "2" to sew 4 or 5 stitches between A and B.
- Set the dial (C) at "3" to sew between B and D.
- Set the dial (C) at "4" to sew 4 or 5 stitches between D and C.
- Set the dial (C) at "5" to sew 2 times at the arrow E.
- With the ripper, cut the cloth between the two sides of the buttonhole.

CAUTION: Make sure to set buttonhole dial (C) at "O" when buttonhole sewing is finished.

If stitch on B. H is not close enough on above setting stitch length, then turn to lower NO.

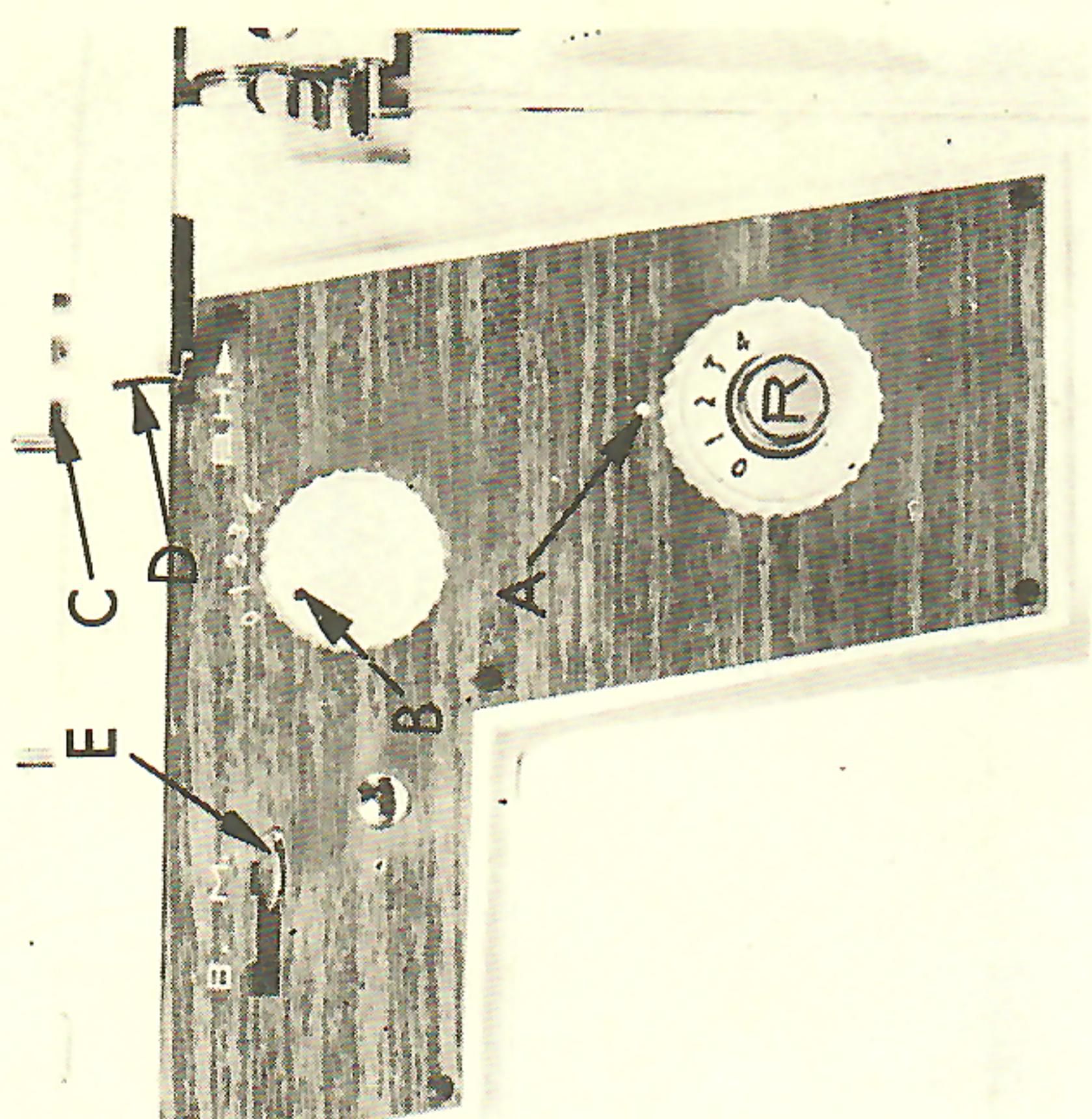


Fig. 43 A

- Set the dial (C) at "1" to sew between C and A.
- Set the dial (C) at "2" to sew 4 or 5 stitches between A and B.
- Set the dial (C) at "3" to sew between B and D.
- Set the dial (C) at "4" to sew 4 or 5 stitches between D and C.
- Set the dial (C) at "5" to sew 2 times at the arrow E.
- With the ripper, cut the cloth between the two sides of the buttonhole.

CAUTION: Make sure to set buttonhole dial (C) at "O" when buttonhole sewing is finished.

If stitch on B. H is not close enough on above setting stitch length, then turn to lower NO.

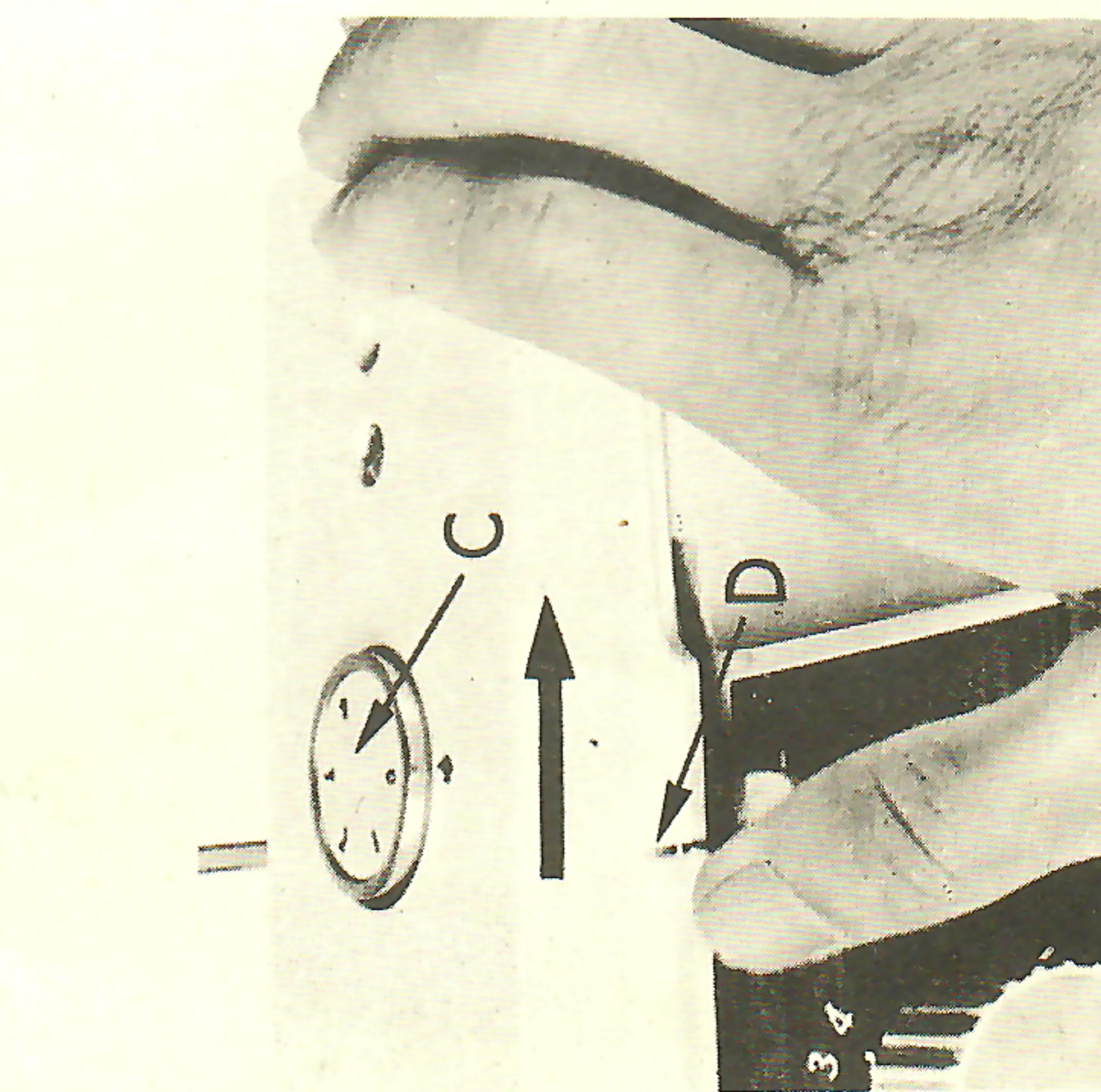


Fig. 43

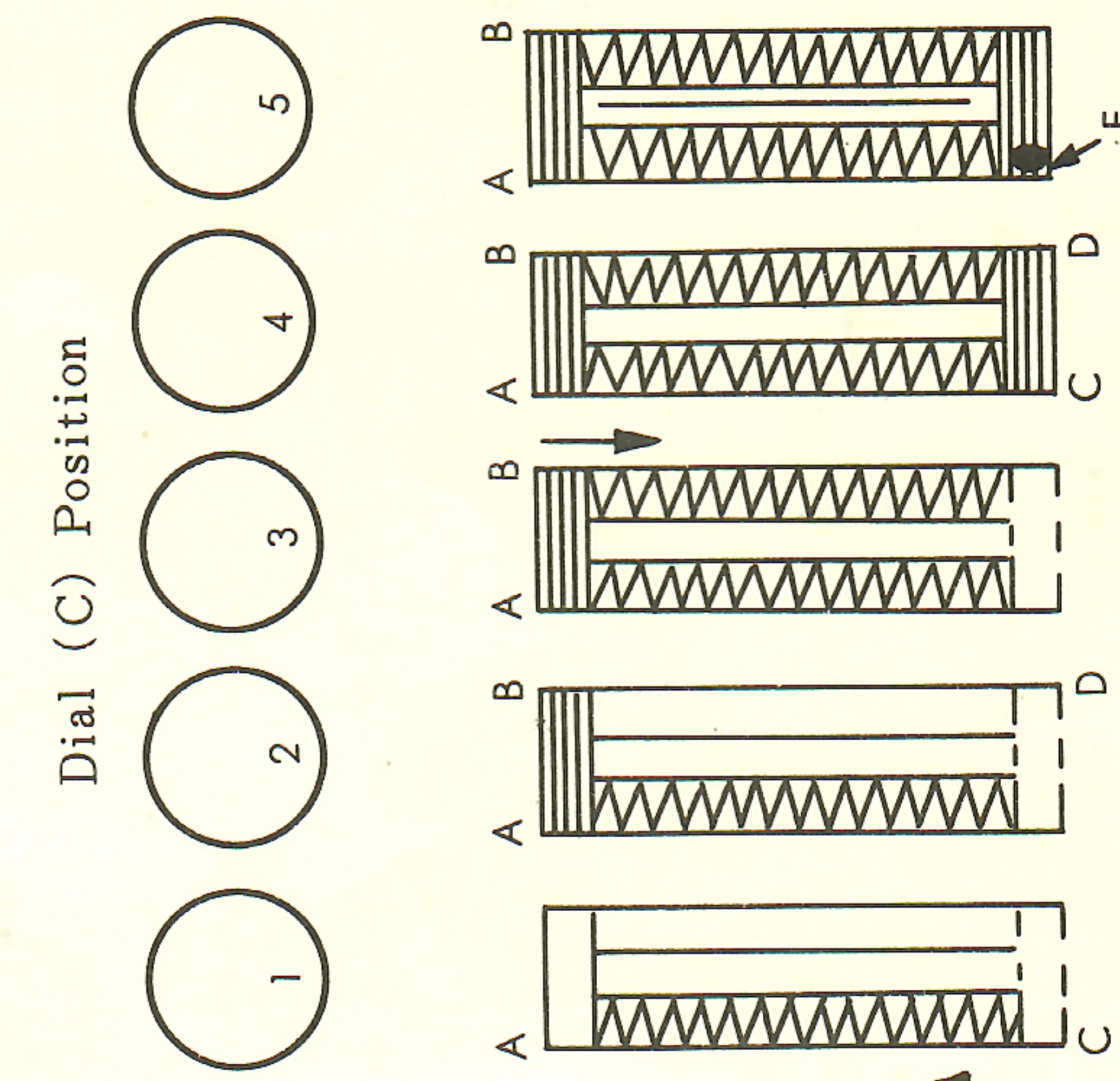


Fig. 44

18. CLEANING SHUTTLE AND RACE ASSEMBLY

In order to obtain the best possible performance from your machine, it is necessary from time to time to clean and oil the shuttle and race assembly.

REMOVING SHUTTLE

Remove needle, presser foot, and needle plate. (See Page 1)

Raise the needle bar to its highest position and remove the bobbin case.

Release knobs (A) on the both sides of the race assembly, by opening them to both sides and remove shuttle cover (B) from the race assembly.

Take hold of the holder post (C) of the shuttle, and remove the shuttle from the race assembly.

Carefully clean the race assembly, making sure that you remove any thread or lint that may become trapped in the shuttle and race assembly. Also thoroughly clean the fabric feeders (D). This can be done with a stiff brush.

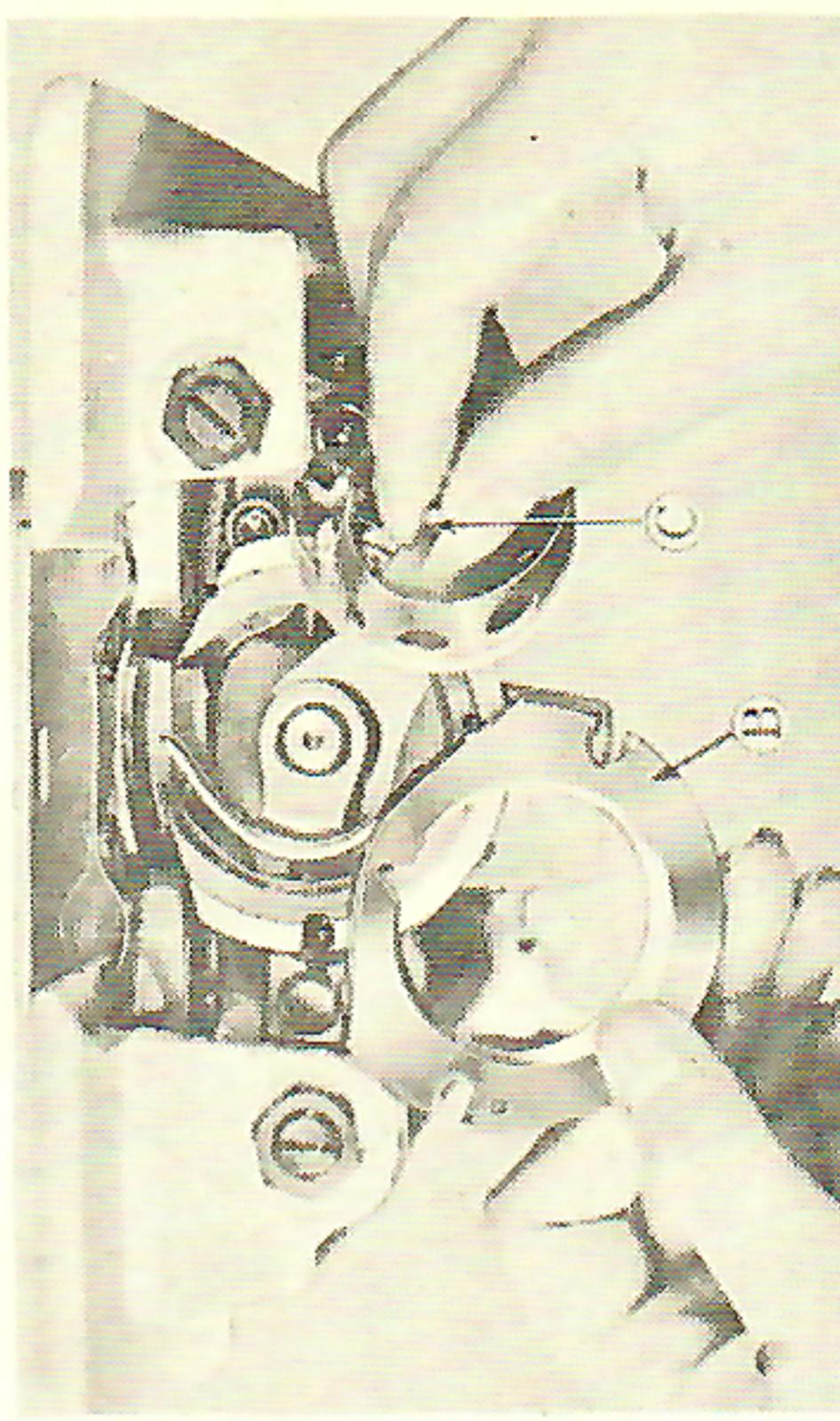


Fig. 45

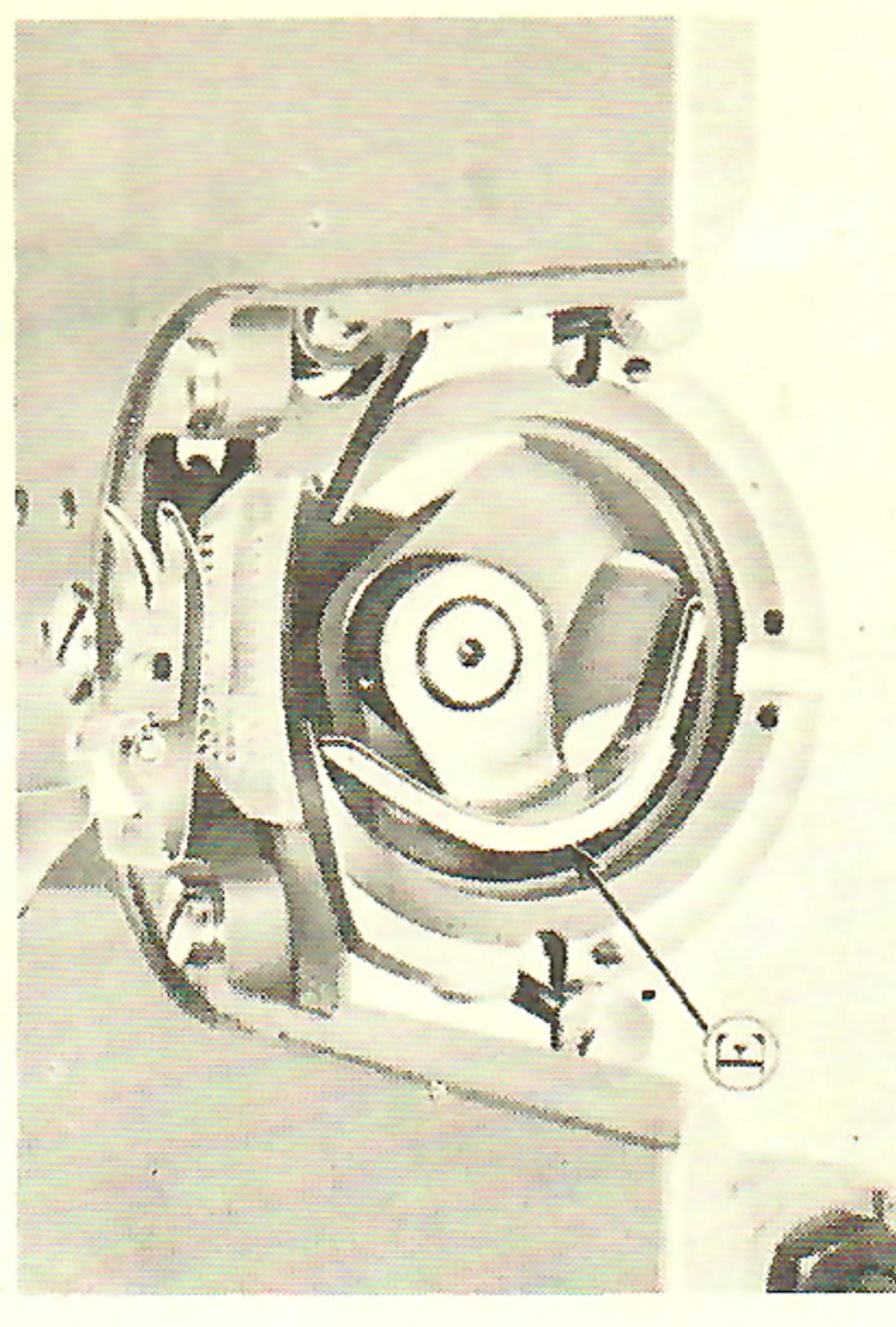
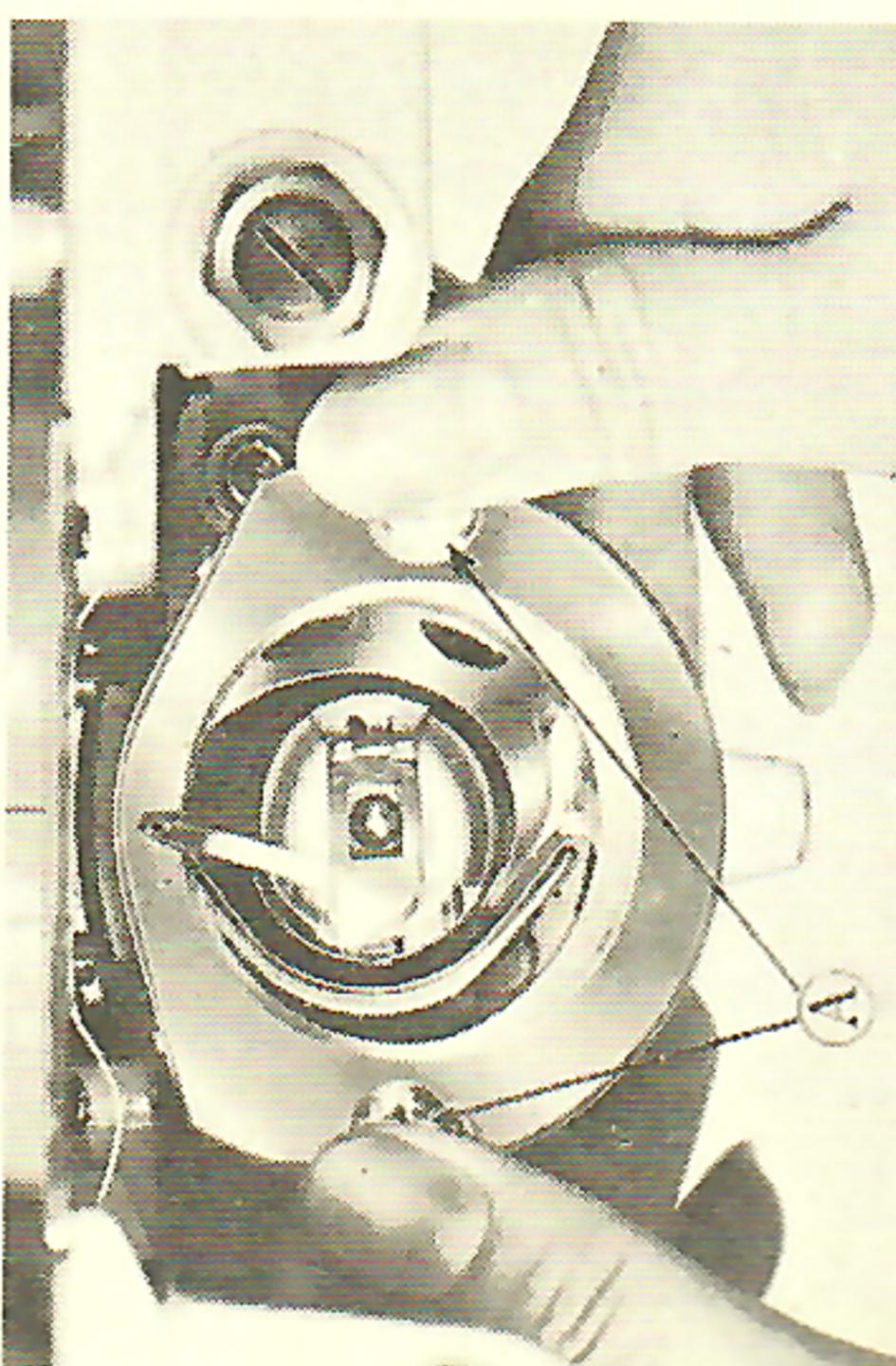


Fig. 47

REPLACING SHUTTLE IN RACE ASSEMBLY

Raise the needle bar to its highest position. With the left thumb and forefinger, take hold of the shuttle by the holder post.

Turn the shuttle so that the open ends slide over the ends of the shuttle driver (E). Gently press in. Take the race cover over the race assembly.

Place the race cover over the race assembly making sure that the two small posts on the race assembly fit into the small holes on the race cover. Tighten both knobs.

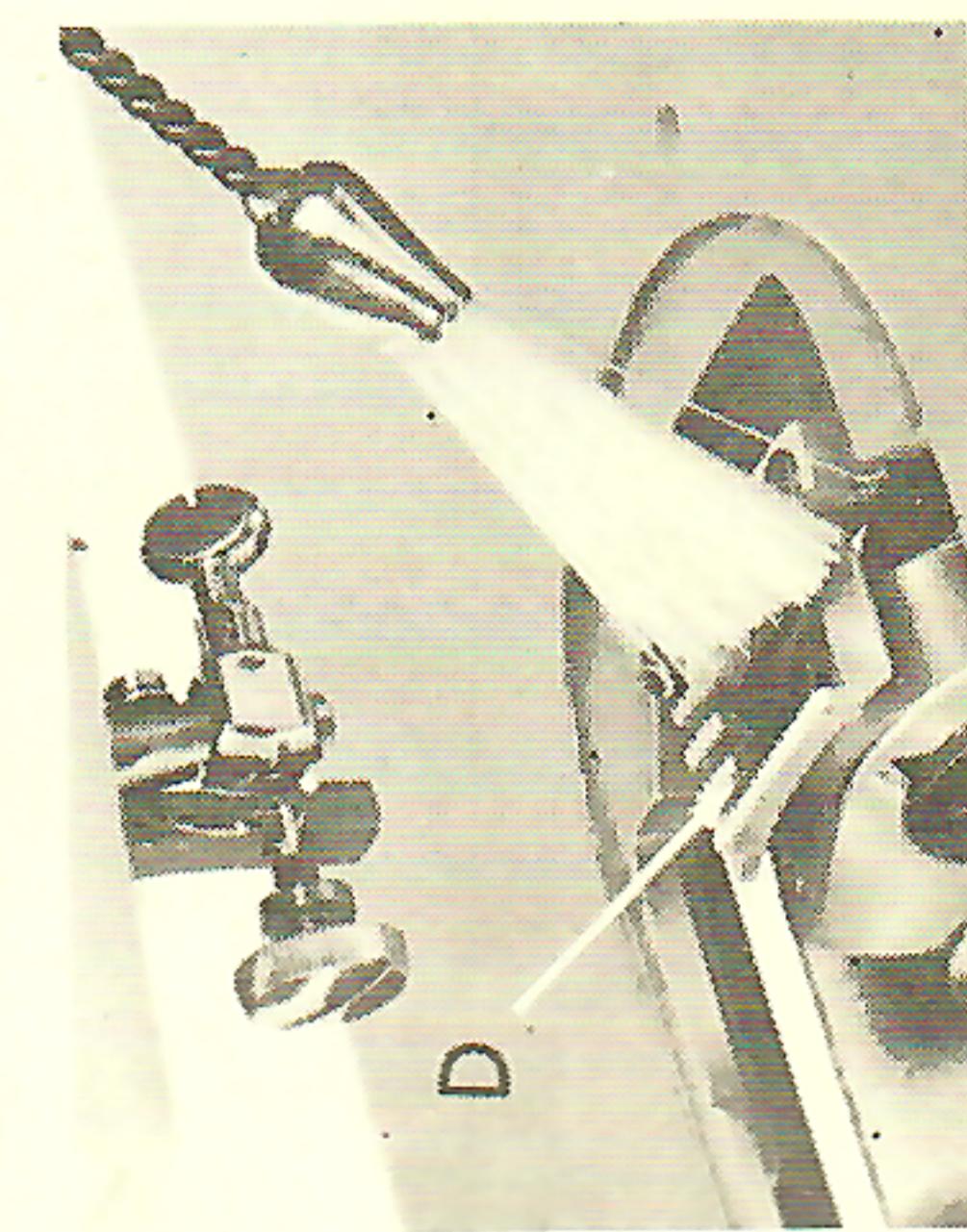


Fig. 48

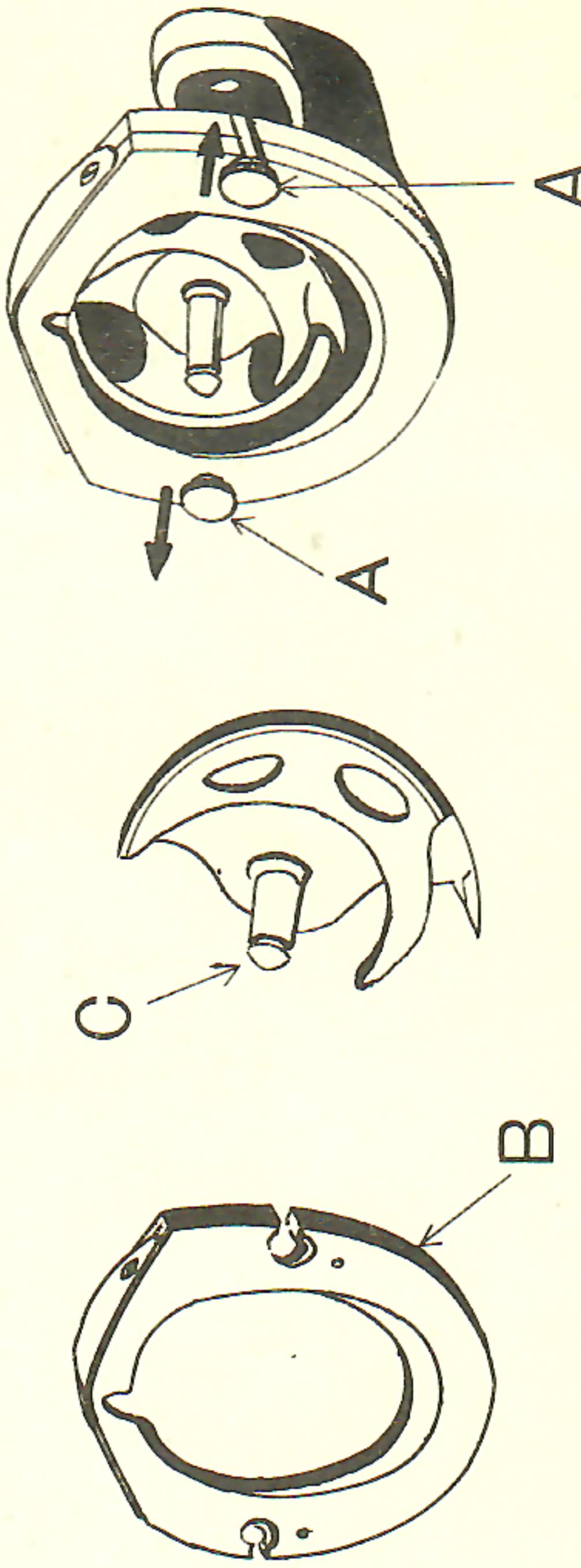


Fig. 49