

## To Set the Needle

Turn the balance wheel over toward you until the needle bar moves up to its highest position; loosen the set screw in the needle clamp and put the needle up into the clamp as far as it will go, with the long groove of the needle toward the left and the eye directly in line with the arm of the machine, then tighten the set screw.

## To Thread the Needle

(Operator Facing Front of Machine)

Turn the balance wheel over toward you until the thread take-up lever (8, Fig. 9), on page 9, moves up to its highest position.

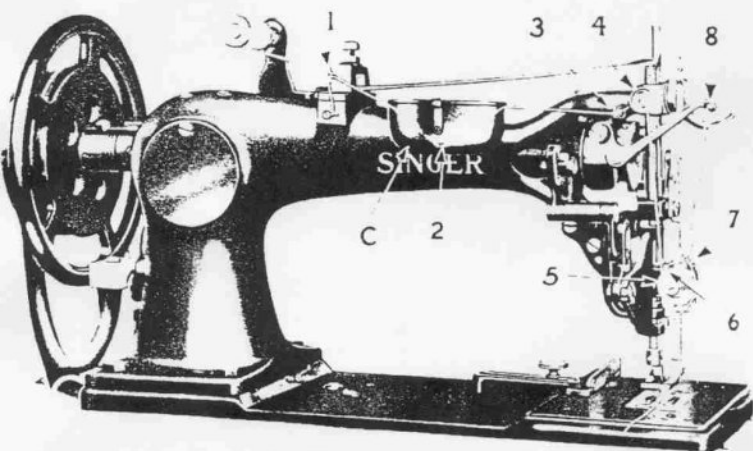


Fig. 8. Threading the Needle on Machine 7-31

Pass the thread from the unwinder, or from the spool on the spool pin on top of the machine, through the eyelet (1, Fig. 8). Raise the lid of the cup (C, Fig. 8) and pass the thread through the hole at the end of the thread post (2, Fig. 8) under the lid. Then close the lid and pass the thread through the eyelet (3, Fig. 8), over from right to left between the thread retainer discs (4, Fig. 8), down under and from right to left around the tension wheel (5, Fig. 8), into the loop of the thread take-up spring (6, Fig. 8), under the staple (7, Figs. 8 and 9), up and from back to front through the hole (8, Figs. 8 and 9), in the thread take-up lever, down through the thread guide (9, Fig. 9), into the slot (10, Fig. 9)