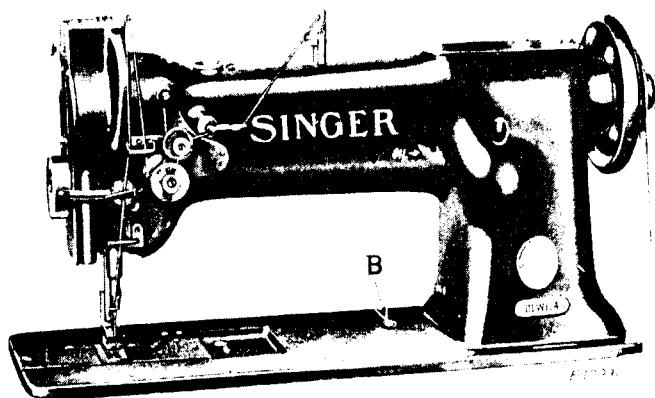


SINGER
111W114

INSTRUCTIONS FOR USING AND ADJUSTING MACHINE 111W114

Machine 111W114 is a high speed, single needle lock stitch machine with a belt driven rotary sewing hook and compound feeding mechanism. It is fitted with a thread lubricator and also a safety clutch which protects the hook from damage in case of accidental strain.



Machine 111W114

The instructions given in Form 2235W for Machine 111W100 apply to Machine 111W114 with the exception of the needles used and the upper threading instructions.

Speed

The maximum speed recommended for Machine 111W114 is 3000 R.P.M., depending on the nature of the material being sewn.

Needles

Needles for this machine are of Class and Variety 135x17 which are made in sizes 12, 14, 16, 18, 20, 22, 23 and 24.

THE SINGER MANUFACTURING CO.

Upper Threading

Pass the thread from the unwinder from back to front through the lower hole (1) in the pin on top of the machine and from right to left through the upper hole (2) in the pin, down through the

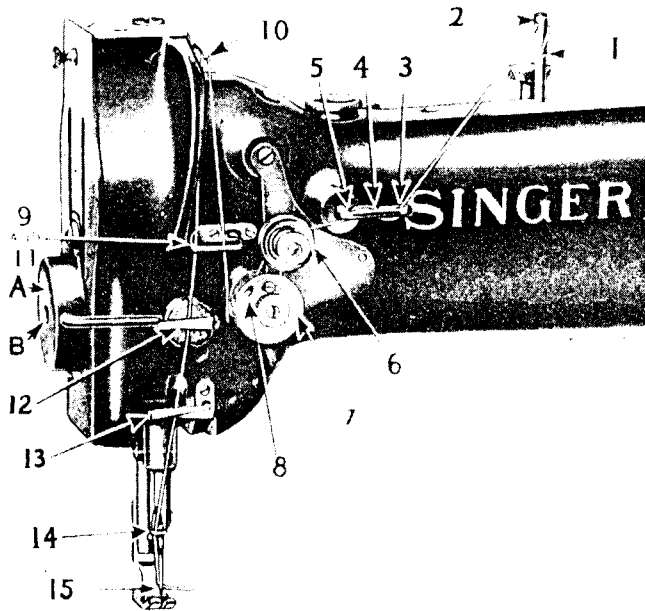


Fig. 2. Upper Threading

hole (3), up through the hole (4) and down through the hole (5) in the thread guide at the front of the machine, over from right to left between the tension discs (6), down, under from right to left around the thread controller (7), up into the fork (8) in the thread controller disc against the pressure of the wire controller spring, up through the thread guide (9), from right to left through the hole (10) in the thread take-up lever, down through the thread guide (11), between the felt pad and felt pad retainer finger (12), through thread guide (13), through the thread guide (14) at the bottom of the needle bar and from left to right through the eye of the needle (15).

To Re-engage the Safety Clutch

The hook driving shaft and the shaft of the sewing hook are splined to prevent the hook from getting out of time. The safety clutch located in the lower belt pulley prevents damage in the event of any strain on the sewing hook by releasing the locking lever in the pulley from the notch (D1, Fig. 4) in the collar of the hook driving shaft.

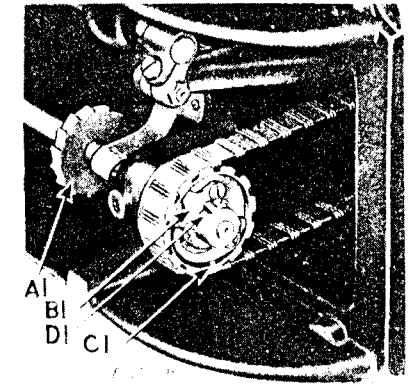
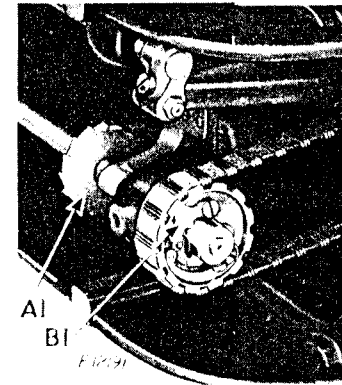


Fig. 3. Safety Clutch Disengaged

Fig. 4. Operating Position

Draw back the bed slide, turn the balance wheel back and forth slightly, and remove the material that may be jamming the hook. If necessary to re-engage the clutch, press down the lock stud (B, Fig. 1) near the base of the arm to engage the hook driving shaft lock ratchet (A1, Fig. 3) which will prevent the shaft from turning backward. Turn the balance wheel away from you until the locking lever (B1) snaps into the notch (D1) in the shaft collar as shown in Fig. 4. Release the lock stud and resume sewing.