

Instructions For Using SPARTAN* SEWING MACHINE 192

Needles and Thread—

Use needles 15 x 1, in sizes 11, 14, 16 and 18. You will obtain the best stitching results from your sewing machine if it is fitted with a SINGER needle.

Thread should be selected according to the fabric to be stitched. Needle must be of correct size for thread to pass freely through eye of needle.

To Set the Needle—

- Raise needle bar to its highest position.
- Loosen needle clamp thumb screw and insert needle (**flat side to the right**) up into needle clamp as far as it will go.
- Tighten needle clamp screw.

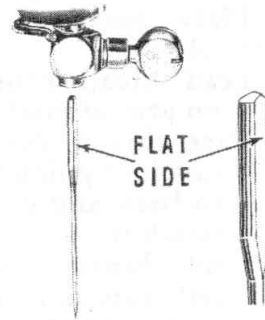


Fig. 1. To Set the Needle

To Thread the Needle—

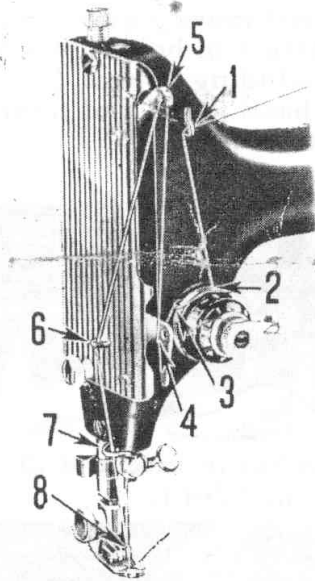


Fig. 2. Upper Threading

- Raise take up lever 5 to highest point.
- Place spool of thread on spool pin.
- Lead thread into thread guide 1,
 - Down and from right to left between tension discs 2.
 - Into loop of thread take-up spring 3
 - Under slack thread regulator 4 (**not through eye in thread regulator**)
 - Up and from right to left through hole in take-up lever 5
 - Down through guide 6 on face plate
 - Down through lower wire guide 7.
- Thread from left to right through eye of needle 8.
- Draw about two inches of thread through eye of needle with which to begin sewing.

To Remove the Bobbin—

- Raise needle to its highest point.
- Open slide plate.
- Press bobbin ejector J and lift out bobbin.

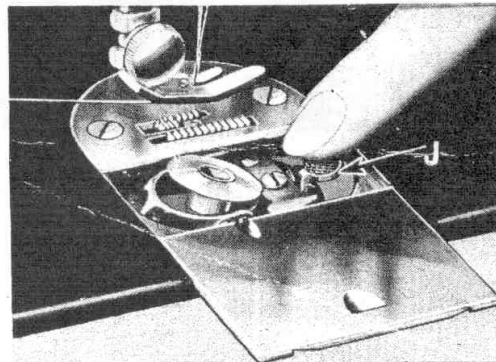


Fig. 3. Removing the Bobbin

To Wind the Bobbin—

- Hold hand wheel **K** with left hand, and with right hand, loosen stop motion screw **L**.
- Place bobbin **4** on spindle.
- Press bobbin winder **5** down against hand wheel.
- Place spool of thread on spool pin.
- Lead thread through guide **3** on arm of machine.
- Pass thread through lower notch of guide **6** from front to back and through upper notch from back to front.
- Lead thread from right to left through hole in left side of bobbin.
- Hold end of thread and start machine. (End of thread will break off after a few coils have been wound on bobbin.)

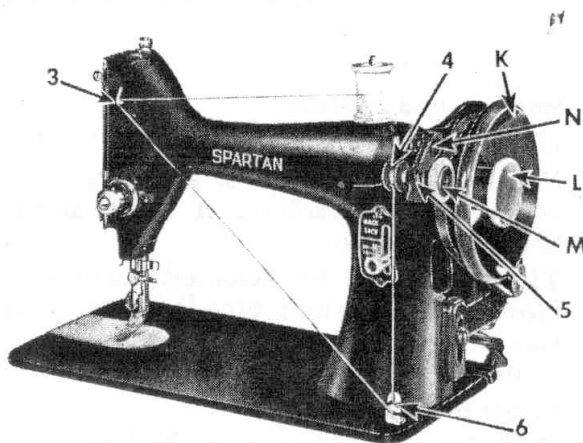


Fig. 4. Winding the Bobbin

When Bobbin is Full—

- Stop machine, lift bobbin winder away from hand wheel and remove bobbin. Tighten stop motion screw **L**.

If the Bobbin Does not Wind Evenly—

- Loosen screw which holds thread guide **6** to bed and move guide to right or left as required. Then tighten screw. If pressure of bobbin winder pulley **M** against hand wheel is insufficient for winding bobbin, loosen screw **N**, press bobbin winder pulley against hand wheel and tighten screw **N**.

To Replace the Bobbin and Thread the Bobbin Case—

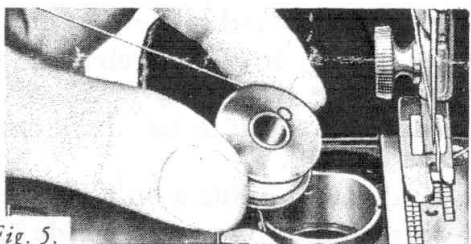


Fig. 5.

- Hold bobbin so that thread leads off in direction shown.

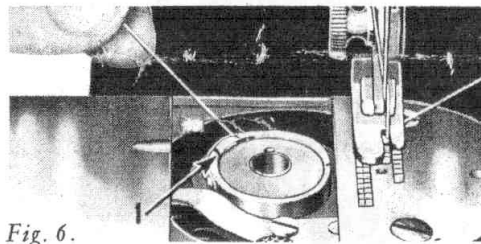


Fig. 6.

- Place bobbin in case and draw thread into slot 1.

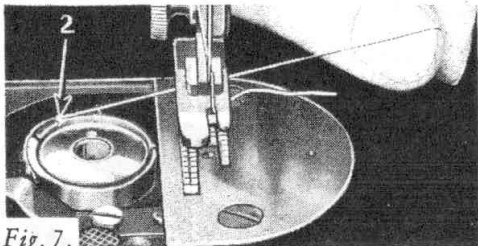


Fig. 7.

- Draw thread between case and tension spring until it reaches notch **2**.
- Pull about 3 inches of thread across bobbin.

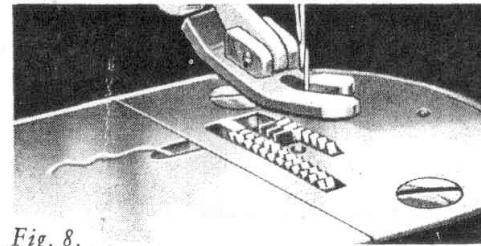


Fig. 8.

- Close slide plate, allowing thread to enter notch in slide plate.

To Prepare for Sewing—

- Turn hand wheel over toward you so that needle enters throat plate and brings up the bobbin thread.

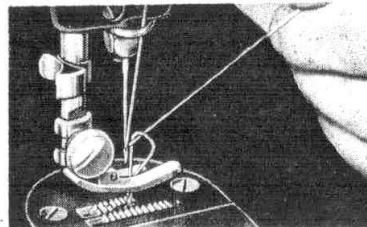


Fig. 9. Drawing Up the Bobbin Thread

To Regulate Length of Stitch—
Numerals on the indicator represent approximate number of stitches per inch.

- Turn thumb nut to left.
- Set lever at desired stitch setting.
- Turn thumb nut to right until it rests against indicator plate.



Fig. 10

To reinforce a seam, raise stitch indicator lever to its highest position. The machine will then stitch in a reverse direction, making it easy to "back tack."

To Regulate Pressure on Presser Foot—

- To decrease pressure, turn thumb screw up.
- To increase pressure, turn thumb screw down.

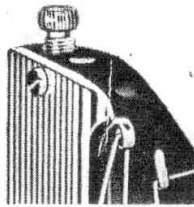


Fig. 11

For ordinary sewing, pressure of the presser foot on the material seldom requires changing. Heavy materials require more pressure than light materials. Pressure should be only heavy enough to move the work along evenly.

To Regulate Needle Thread Tension—

Numerals on indicator V, Fig. 12, denote different degrees of tension. When tension has been correctly set, note number at line U so that this setting may be regained should the tension be altered for special work.

- To increase tension, turn thumb nut W to higher number.
- To decrease tension, turn thumb nut W to lower number.

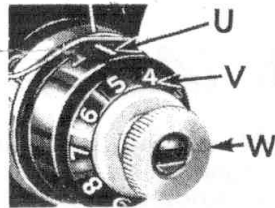


Fig. 12.

To Regulate Bobbin Thread Tension—

Tension on bobbin thread is regulated by screw A, Fig. 13, nearest center of tension spring. Turn screw A over to right to increase tension; turn screw to left to decrease tension.

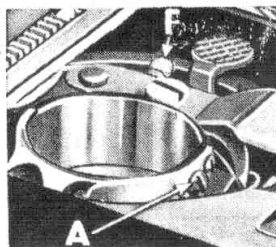


Fig. 13

A perfectly formed stitch results when both tensions are balanced so that the needle and bobbin threads are drawn equally into the fabric.



Fig. 14. Perfect Stitching

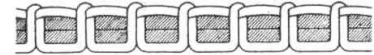


Fig. 15. Imperfect Stitching

Needle thread tension too tight or Bobbin thread tension too loose.



Fig. 16. Imperfect Stitching

Bobbin thread tension too tight or Needle thread tension too loose.

Care and Maintenance of Your SPARTAN 192

When in regular use the machine should be cleaned periodically.

To Remove and Replace Bobbin Case—

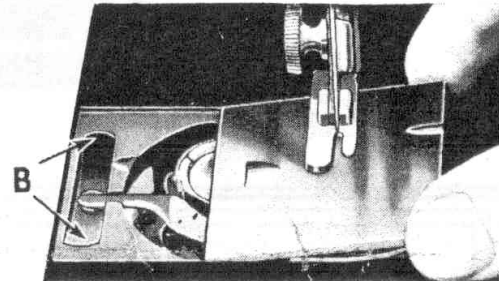


Fig. 17. Slide Plate Removed

- Raise needle and presser foot.
- Draw slide plate to left.
- Remove bobbin from case.
- Lift edge of slide plate and draw it to the right until it is disengaged from spring B.

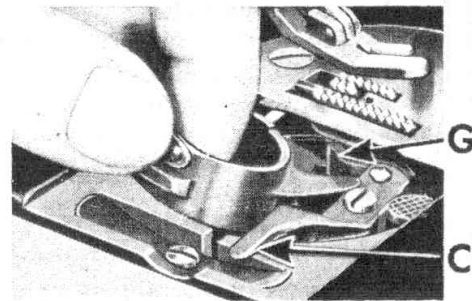


Fig. 18. Removing Bobbin Case

- Lift and move latch C to position shown.
- Grasp bobbin case as shown.
- Tilt case to left and raise forked end above bracket G.
- Turn forked end toward you, then lift out bobbin case.

After Cleaning—

- Replace bobbin case with its fork straddling bracket **G**.
- Twist case to the left, then gently press down and back until edge of sewing hook engages groove under rim of bobbin case.
- Return latch **C** to its original position.

To Oil the Machine—

- Apply a drop of oil to each of the places indicated in **Figs. 19, 20 and 21**.
- Apply a few drops of oil to the felt pad **F**, **Fig. 13**.

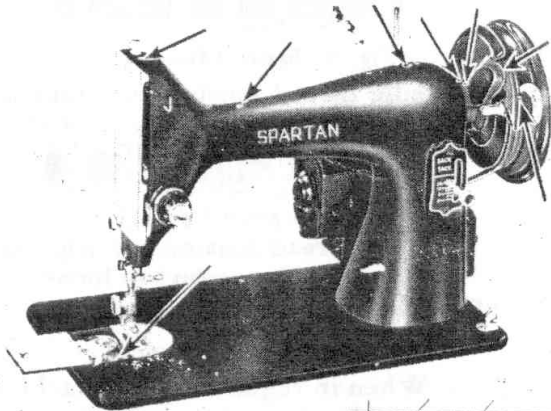


Fig. 19

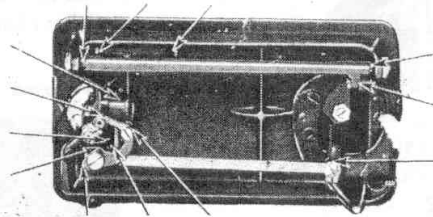


Fig. 21

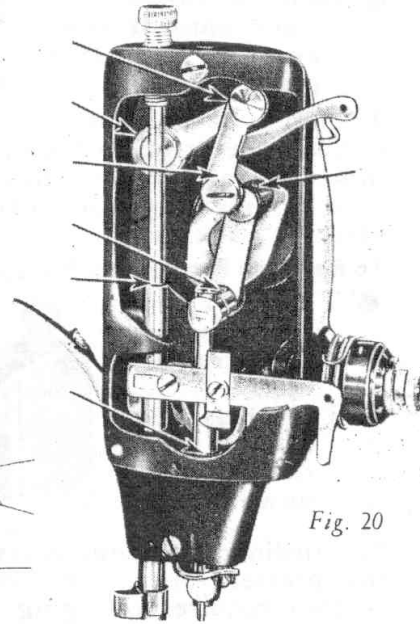


Fig. 20

*Guarantee - SPARTAN** Sewing Machine

We guarantee that each SPARTAN sewing machine, obtained from the Singer Sewing Machine Company or one of its Approved Dealers, is in good operating condition upon delivery to the original purchaser.

Within a period of twelve months from original purchase, any part delivered to a SINGER SEWING CENTER which upon examination by us proves to have been defective in workmanship or material will be repaired or replaced without charge.

In addition to the above guarantee of parts, free mechanical service will be provided for a period of ninety days. Operating and maintenance instructions such as described in this Instruction Booklet are available without charge only at the nearest SINGER SEWING CENTER.

The original Sales Agreement or Cash Receipt must be presented with this Certificate to obtain the benefit of the Guarantee.

Agreements outside of or contradictory to the foregoing shall be void and of no effect.

SINGER SEWING MACHINE COMPANY

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