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1918

# SINGER MACHINE No. 52w100

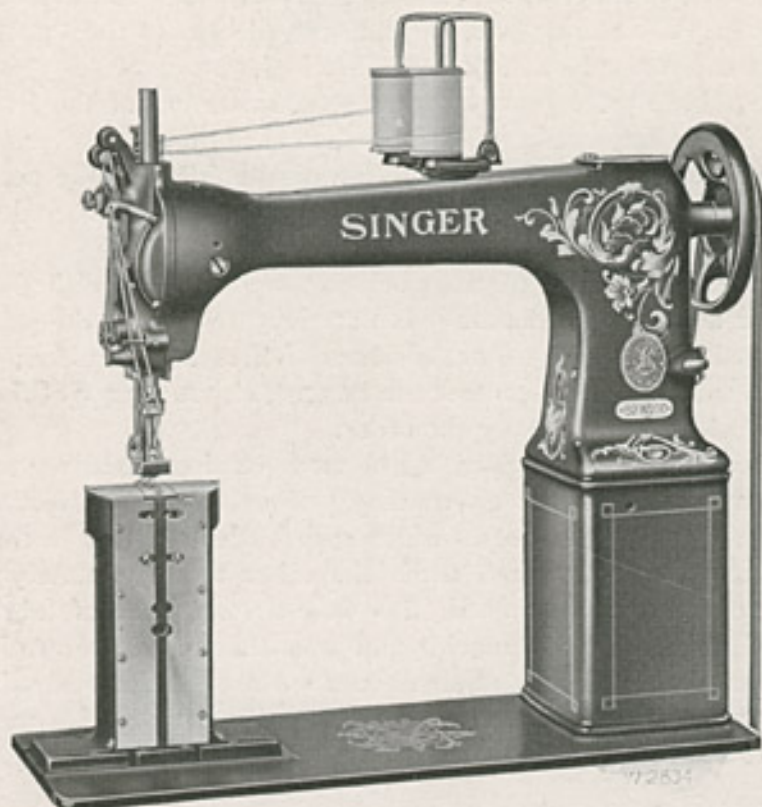
POST BED AND LONG ARM

FOR

WORK ON DIRIGIBLE BALLOONS

ALSO FOR

STITCHING OF HEAVY FABRICS



Machine No. 52 w 100

Singer Machine No. 52 w 100 is designed particularly for sewing the large and bulky fabrics entering into the manufacture of balloons and other similar stitching which is difficult to handle on the ordinary types of sewing machines.

This machine is extensively used for attaching the canvas band around the lower portion of the body of dirigible balloons, the ropes which support the car being attached to this canvas band.

The machine makes two lines of lock stitching and the lines of stitching may be from  $\frac{1}{8}$  to 1 inch apart as desired, the distance required between the two needles being specified on orders for the machine.

One special feature on the machine is what is known as the "post" which contains the mechanism for handling the two under threads of the lines of lock stitching. As this post is seven inches in height it will readily be understood how conveniently the operator can handle the work especially as the top of the post measures only  $1\frac{7}{8}$  inches by  $3\frac{1}{2}$  inches.

The operator of the machine also finds the clear space at the right of the needles—eleven inches—a further advantage, large and bulky work being readily handled.

An attachment to enable the machine to make lap seam fells is furnished on order at an extra charge. The lap seam feller is mounted on a base plate, or slide, which can be readily attached to the work plate of the machine. The work plate, or platform, is held to the "post" by two screws and can easily be attached or detached.

When a base plate is used, a correct adjustment of the feller can be made, and the base plate with feller attached is quickly removed and replaced without disturbing the relation of the feller to the needles. By using each feller on an individual base plate much time is saved when it is necessary to change from right hand to left hand fellers or vice versa.

Lap seam fellers, base plates, work plates, etc., are furnished only when ordered. When ordering fellers it is necessary to specify the gauge of the machine and whether right or left hand fellers are required; the order should also state whether seams are to be crossed. A sample of the material to be felled should accompany the order.

The machine is equipped with very efficient feeding mechanism including a drop feed and alternating presser feet. The feet consist of two separate presser feet, one of which assists the drop feed in carrying the work forward for each stitch while the other foot alternately rises and descends to hold the work. In this way several plies of fabric can be perfectly fed through the machine at one time, and uniformity in the feeding of fabrics having rough or uneven surfaces is also assured.

A large quantity of work is turned out by the machine, each needle working at a speed up to 1800 stitches per minute.

#### SINGER SHOPS FOR THE MANUFACTURING TRADE

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