

SINGER MACHINE No. 11-30

(CYLINDER BED)

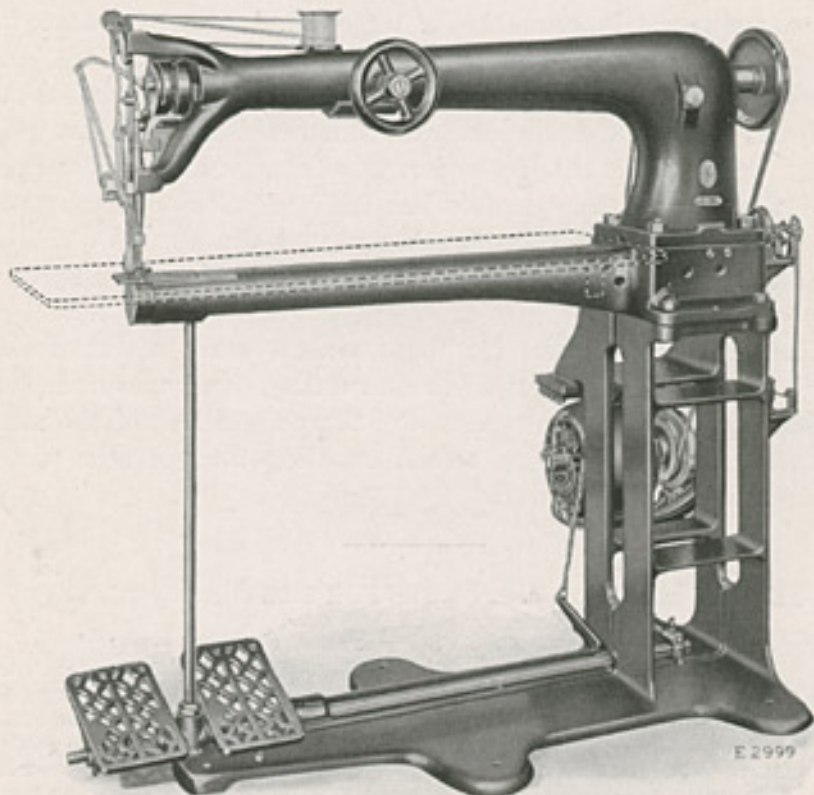
TWO NEEDLES AND TWO SHUTTLES

FOR

STITCHING RUBBERIZED MATERIAL

IN THE

MANUFACTURE OF AEROPLANES AND BALLOONS



Machine No. 11-30 on Column Stand No. 56688 Equipped with Singer Motor S. A. 31

In the manufacture of aeroplanes and balloons this specially designed sewing machine is indispensable for stitching the rubberized material which is used. By making two parallel rows of lock stitching at one operation the machine produces seams of the greatest possible strength—a most important factor in the manufacture of this class of work. The distance between the two needles may be from $\frac{3}{16}$ to $\frac{3}{4}$ inch as desired, and orders for the machine should specify the gauge required.

The long cylinder bed of the machine is admirably adapted for the stitching of aeroplanes and balloons, the clear space of 30 inches at the

right of the needle bar and the small diameter of the bed, which is $2\frac{5}{8}$ inches at the end, facilitating the handling of the work. A further advantage of the machine is a large detachable cloth plate, which is shown by dotted lines in the illustration on the front page. This cloth plate is 36 inches long by 12 inches wide and when used its large flat working surface is found very convenient for some classes of work.

A positive drop feed and two alternating presser feet form the accurate feeding mechanism which carries the work a uniform distance across the bed of the machine for each stitch. The length of stitch is adjustable up to $\frac{1}{4}$ inch, and the machine will sew fabrics or rubberized material up to $\frac{3}{16}$ inch in thickness.

For convenience in operation a large hand wheel is located at the front of the machine as illustrated on the preceding page.

The machine is usually operated on iron column stand No. 56688 and equipped with an electric motor as illustrated on the front page, this equipment being furnished, on order, at a charge extra to the machine. When thus equipped the operator has full control over the speed which can be regulated to suit the requirements of the work by varying the pressure on the treadle, the machine being capable of a speed up to 800 per minute.

All inquiries and orders for motors must state whether current is direct or alternating, voltage, and if alternating, the cycles and phase.

A foot lifter for raising or lowering the presser feet of the machine is also included with the column stand, enabling the operator to use both hands in manipulating the work.

SINGER SEWING MACHINE CO. SHOPS FOR THE MANUFACTURING TRADE

Send for Samples of Work to any of the following addresses:

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