

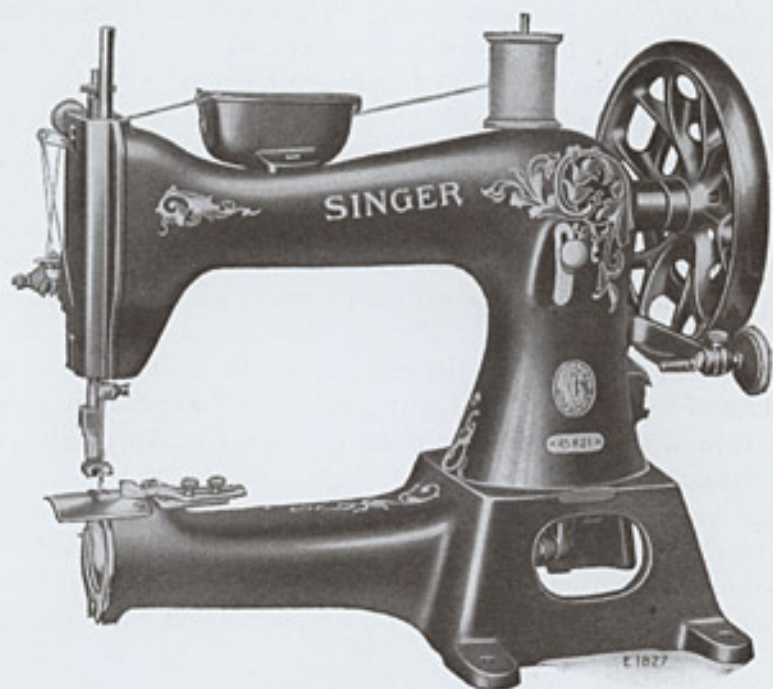
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SINGER MACHINE No. 45K21

FOR

HEAVY TEXTILE AND LEATHER WORK



Machine No. 45K21

This Machine is fitted with drop feed and has been specially designed for stitching heavy textile and leather articles of a curved or cylindrical nature, which it would be inconvenient or impossible to stitch on a machine having a flat bed plate.

The Machine is *substantially built* and its *mechanism* has been *specially designed with a view to strength, durability, and easy working*. All moving parts being well balanced and carefully hardened, the machine will withstand constant and hard usage over a long term of years.

It makes a perfect lock-stitch, the thread being drawn firmly and evenly into the material.

A special feature of the machine is its *automatic thread controller*. This is an ingenious device which automatically regulates the amount of

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slack needle thread to suit the varying thicknesses of the goods being sewn, thus enabling the operator to pass from the thinnest to the thickest material within the capacity of the machine.

The machine is fitted with an *exceptionally large cylinder shuttle* of the well-known oscillating type having a *bobbin of great thread capacity*, which is a most valuable feature when the machine is required to operate upon work requiring a coarse thread.

It is *light running and easy to operate by foot* upon treadle machine stand No. 83079 and table No. 83402. The treadle stand is provided with a heavy two-speed driving wheel which ensures great penetrating power and permits of the speed of the machine being easily altered to adapt it for various classes of work. When wanted for use on power bench it is fitted with a foot lifting attachment by which the presser foot can be raised while the operator's hands are engaged with the work. It is also supplied either with Singer Driving Attachment, which is fitted to the arm of the machine, or with Singer Underdriver.

The dimensions of the machine are:—diameter of cylinder, $3\frac{1}{2}$ inches; bed, $20\frac{1}{2}$ inches long; distance from needle to base of arm, 10 inches; height from cylinder to underside of arm, 7 inches. The maximum length of stitch is $\frac{1}{4}$ inch, and the machine will stitch any thickness of textile material, or leather up to $\frac{1}{2}$ inch.

The speed of the machine depends upon the nature of the material, and the class of work in hand. Light goods may be operated upon at the maximum rate of 900 stitches per minute, but for heavy goods a reduced speed is necessary.

A large variety of attachments have been specially designed for use with this machine for binding, welting, etc., full particulars of which may be obtained on application to any Singer Manufacturing Trade Department.

A work plate for flat goods will be supplied at an extra charge, when required.

SINGER SEWING MACHINE CO. SHOPS FOR THE MANUFACTURING TRADE

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BALTIMORE, MD., 106 West Clay Street
BOSTON, MASS., 132 Essex Street
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HALIFAX, N. S., 53 Barrington Street
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NEWARK, N. J., 297 Market Street
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NEW YORK CITY, 561 and 563 Broadway
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PITTSBURGH, PA., 208 Market Street
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QUEBEC, P. Q., CAN., 63 Crown Street
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UTICA, N. Y., 71 Genesee Street
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