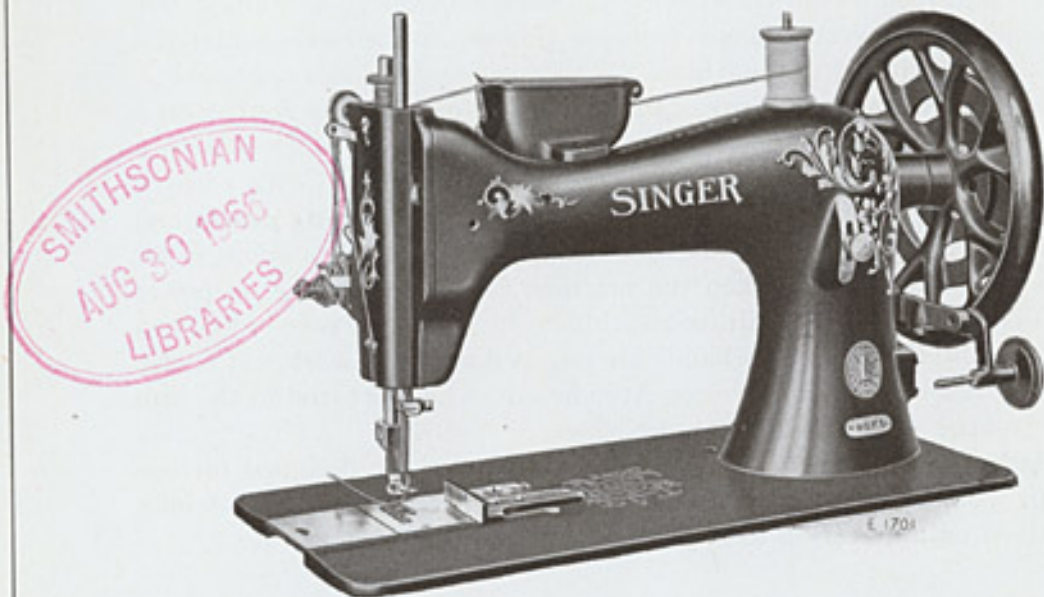


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SINGER MACHINE No. 45 K1

FOR HEAVY TEXTILES



This machine is very strongly built and is specially designed for stitching heavy textiles such as are used in the manufacture of small *Canvas Driving Belts, Cocoa-matting, Rugs, Sacks, Travelling Bags, Horse Clothing, Awnings, Sails, Tarpaulins, Wagon Covers, Tents, Trunk Covers, etc.*

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

The mechanism has been most carefully considered to secure *exceptional strength, durability and easy working*. All moving parts are in correct relationship to each other, hardened and well balanced; the machine will therefore withstand constant and hard usage over a long term of years.

The dimensions of the machine are: bed plate 20½ in. long, distance from needle to base of arm 10 in., height from bed plate to underside of arm 6¼ in. The maximum length of stitch is ¾ in. and the machine will stitch any thickness of textile material not exceeding ½ in.

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

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.

A special feature of the machine is its automatic thread controller. This is an ingenious device which automatically regulates the amount of 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 *light running and easy to operate by foot* upon a treadle machine stand. When required for foot power it is fitted with a two-speed balance wheel. The treadle stand is also provided with a heavy balanced two-speed driving wheel to ensure *great penetrating power* and to permit of the speed of the machine being easily altered to adapt it for various classes of work. When the machine is 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.

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 Shop.

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