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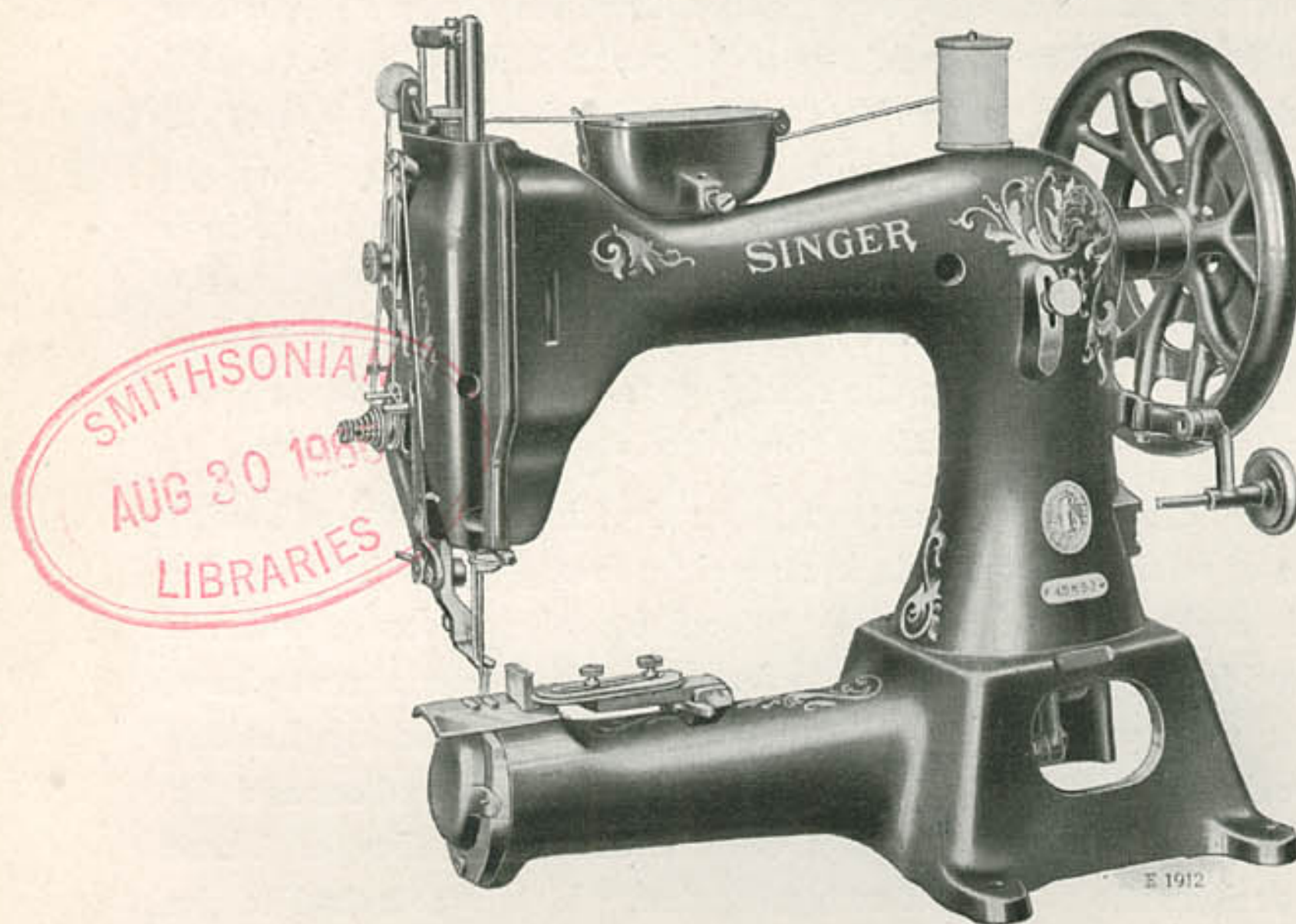
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# SINGER MACHINE No. 45 K 53

FOR

BAG AND PORTMANTEAU, FOOTBALL,  
SADDLERY AND GENERAL  
LEATHER WORK



Machine No. 45 K 53

This machine has a cylinder bed and is especially adapted for stitching Brief, Travelling and Golf Bags, Portmanteaux and Leather Goods generally. It is also successfully used for stitching and welting Carriage Cushions, Window Straps, Driving Aprons, Small Dashes, etc.

The *upper and under feeds*, which are *entirely independent of each other*, may be adjusted to work in unison, for either to move faster than the other, which is a valuable feature for certain classes of work, or either feed may be suspended, thereby converting the machine into a top or a bottom feed machine, as required.



*The machine is very strongly built* and has been specially designed to secure *exceptional durability and easy working*. It is comparatively easy to operate by foot upon a treadle machine stand, and when required for foot power, is fitted with a two-speed balance wheel. The treadle stand is also provided with a two-speed band wheel 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.

The machine makes a *tight and perfect lock stitch up to  $\frac{1}{4}$  in. in length in all thicknesses of goods up to  $\frac{1}{2}$  in.*, and, as regularly supplied is furnished with feeding presser feet with feed points for 8, 10 and 12 stitches to the inch and a plain feeding foot, with serrated toes, for plain work. Special feet with feed points to make 6, 7 or 14 stitches to the inch may also be supplied if specially ordered. These feed points enter into the punctures made by the needle in the leather being stitched, and, besides acting as a positive feed, set up the stitching, thereby giving it a superior appearance, and leaving the goods without feed marks on the surface.

The machine, as regularly sent out, is fitted with the under feed having a single row of teeth for fine work, but an extra feed dog, having a double row of teeth, and two extra throat plates for fine work and coarse work are also furnished free. Specially designed presser feet, feed dogs, throat plates, and a great variety of guides for Welting, Binding, Stitching Leather Backed Brushes, Rings into Golf Bags, Footballs, Bag Handles, and for Angular Stitch Work, etc., are supplied to order at an extra charge. These guides are designed for use on a swing bracket, which is attached to the lower arm of the machine, and can therefore be instantly swung up out of the way when not required.

The lift of the feeding foot, which performs the double function of a feeding and presser foot, is automatically controlled by the thickness of the material being stitched, its rise being uniformly  $\frac{1}{8}$  in. above the surface of the goods. This arrangement allows the machine to pass over, without difficulty, differences in the thickness of the goods being sewn, and permits of it stitching from the thinnest to the thickest, or *vice versa*, of materials without any re-adjustment of the machine being necessary. This will be recognized as a decided advantage in stitching goods of varying thicknesses, and in passing over thick seams.



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The machine is also provided with an automatic thread controller which automatically regulates the amount of slack needle thread to suit the varying thicknesses of the goods being sewn.

It 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.

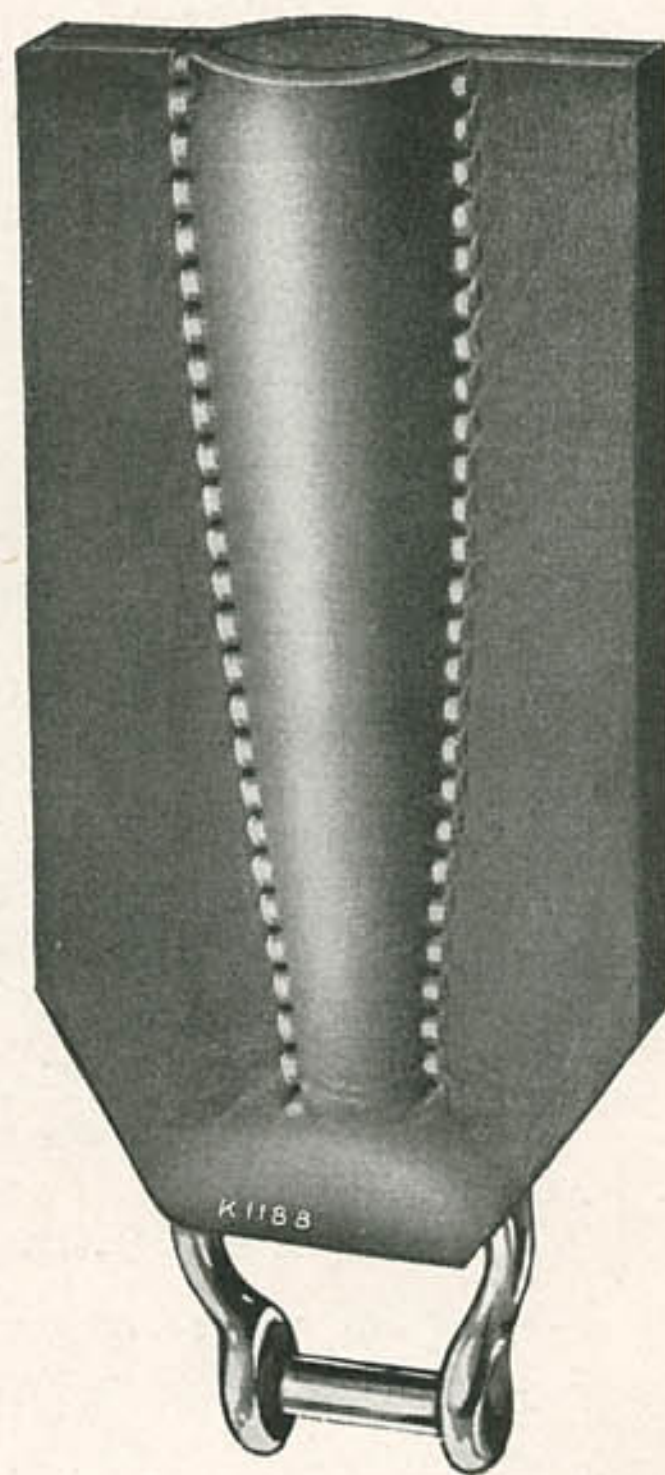
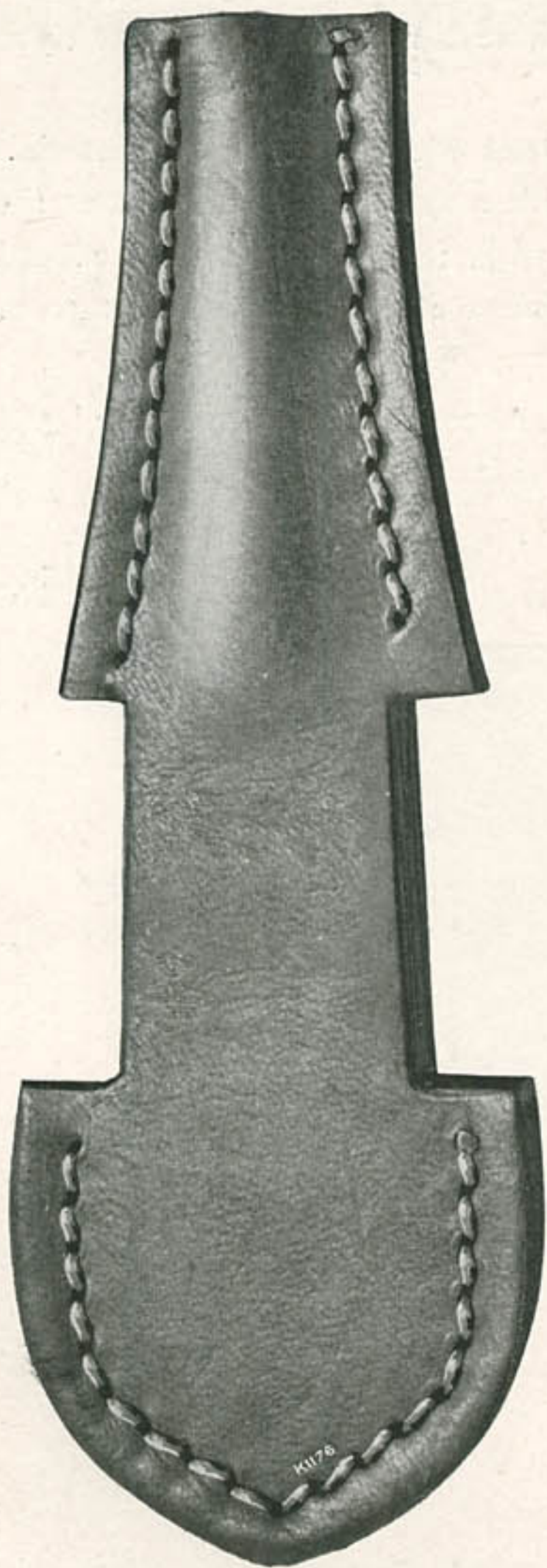
The speed of the machine depends upon the nature of the materials and the class of work in hand. Light goods may be operated upon at the maximum rate of 400 stitches per minute, while for heavier goods a reduced speed is necessary according to the thickness of material and nature of the work.

The dimensions of the machine are: distance from needle to base of arm 10 ins., and the height of cylinder to underside of arm  $7\frac{3}{4}$  ins.



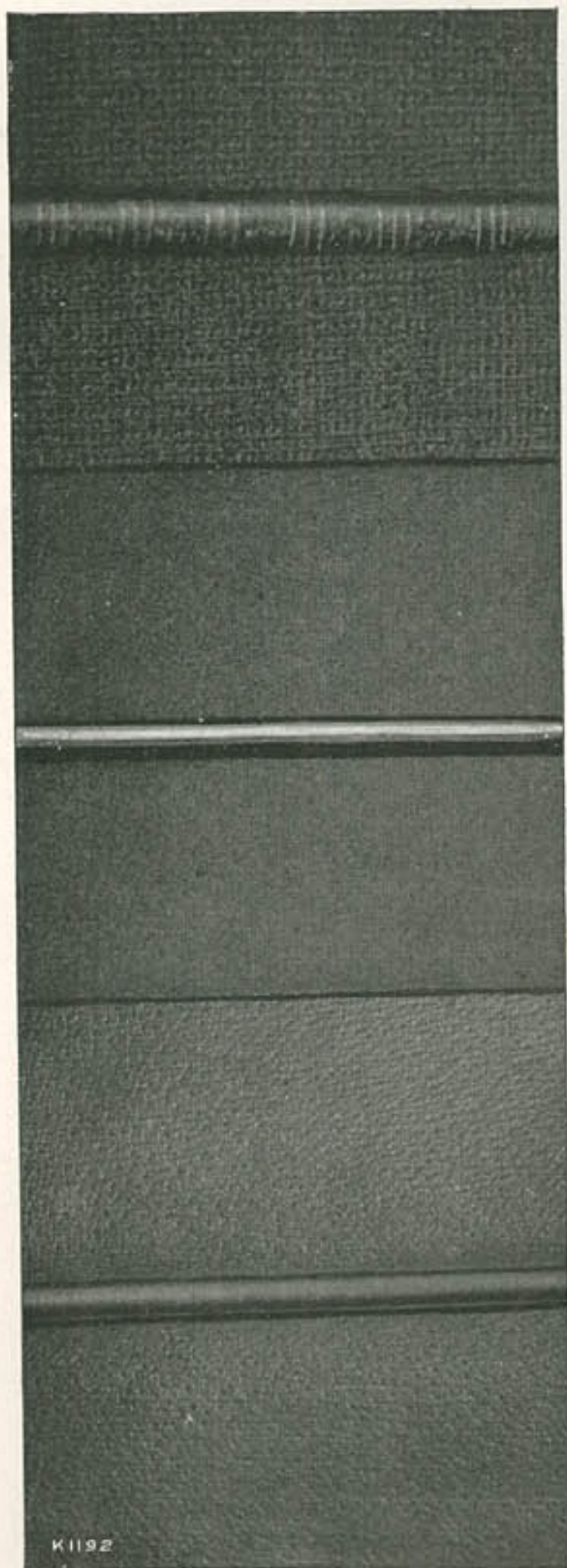
Section of Golf Bag Showing Ring Inserted and Welt  
Stitched on Machine No. 45 K 53





Sections of Bag Handles Stitched on Machine 45 κ 53





Specimen of Welting executed on  
Machine No. 45 κ 53

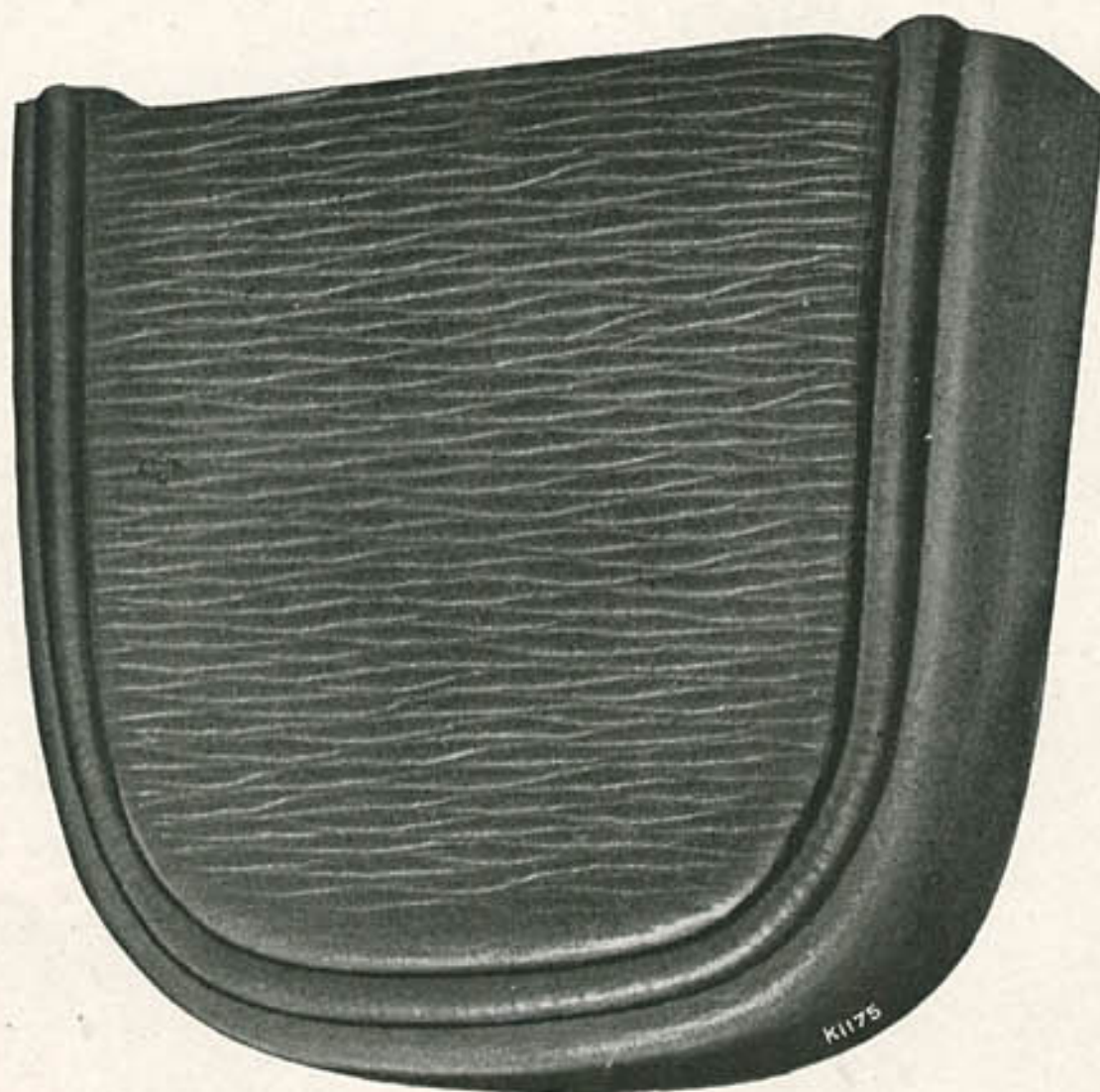


Illustration of Binding executed on  
Machine No. 45 κ 53



Illustration of Binding executed on  
Machine No. 45 κ 53





End Section of Travelling Bag welted and  
stitched on Machine No. 45 к 53

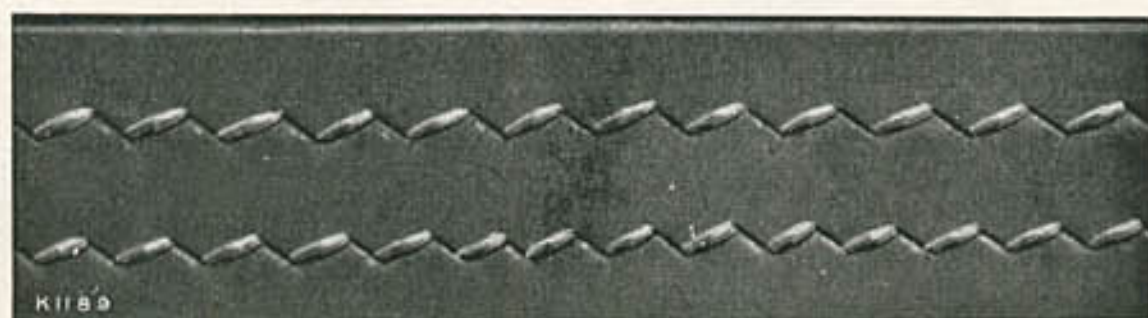


Illustration of Angular Stitch Work executed on  
Machine No. 45 к 53



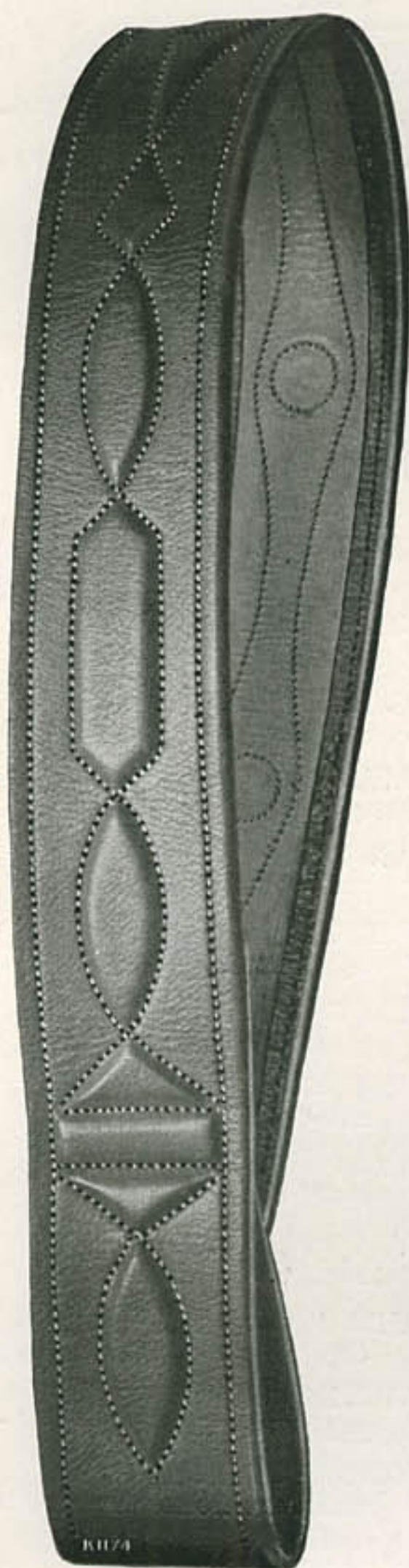


Illustration of Carriage Straps stitched by  
Machine No. 45 к53



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