Form 9512
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SINGER MACHINES OF CLASS 97

(97-6 to 97-10)

LOCK STITCH

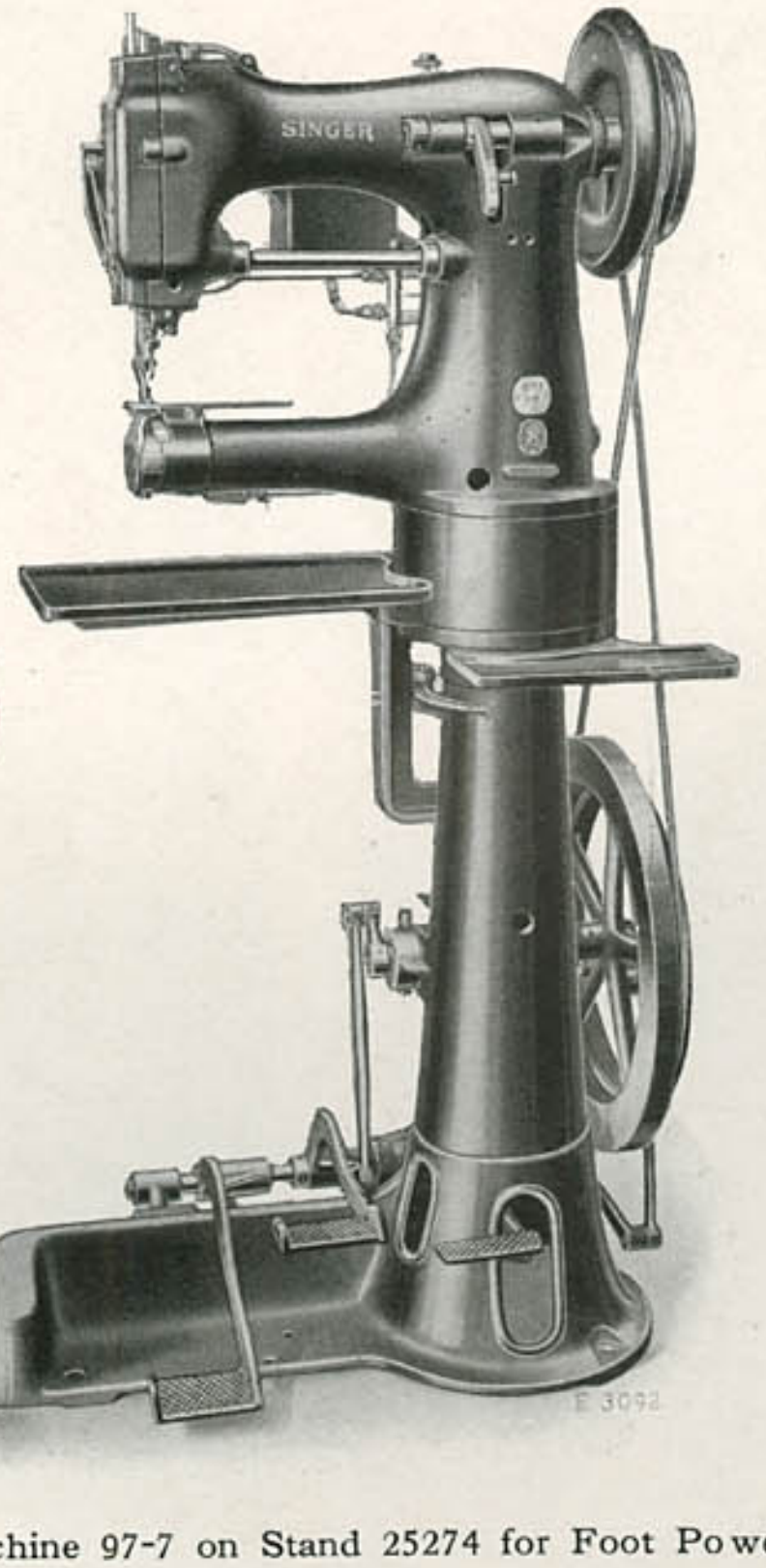
FOR

HARNESS WORK

ALSO FOR

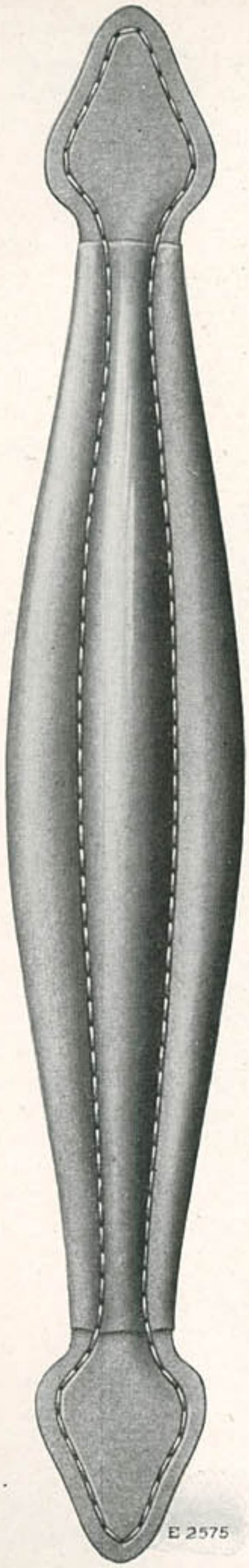
GENERAL WORK IN LEATHER

Either HOT WAX or Dry Thread Stitching



Machine 97-7 on Stand 25274 for Foot Power

Machines of Class 97, illustrated and described in this leaflet, are intended for general harness work and for stitching articles made from leather, including traveling bags, satchels, handles for bags, etc. Owing to special fittings, these machines will stitch closer up to buckles or rings than any other sewing machine on the market.



Leather Handle for Bag stitched
by a Machine of Class 97

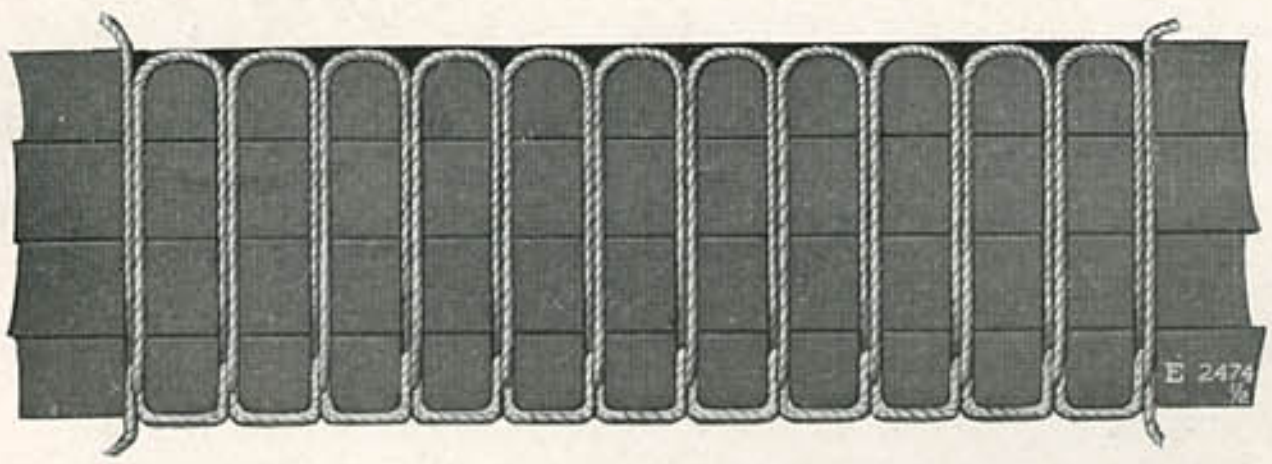
Section of Breeching showing stitching
by a Machine of Class 97

These machines will stitch light, medium or heavy leather up to one inch in thickness without making a single adjustment.

They can be driven at a higher speed than any other make of machine for general harness work, the speed of 400 stitches per minute being maintained without difficulty.

The cylinder bed enables operators to stitch tubular shaped articles with the same facility as flat work. The bed is 4¾ inches in diameter and there is a clear space of 12 inches at the right of the needle.

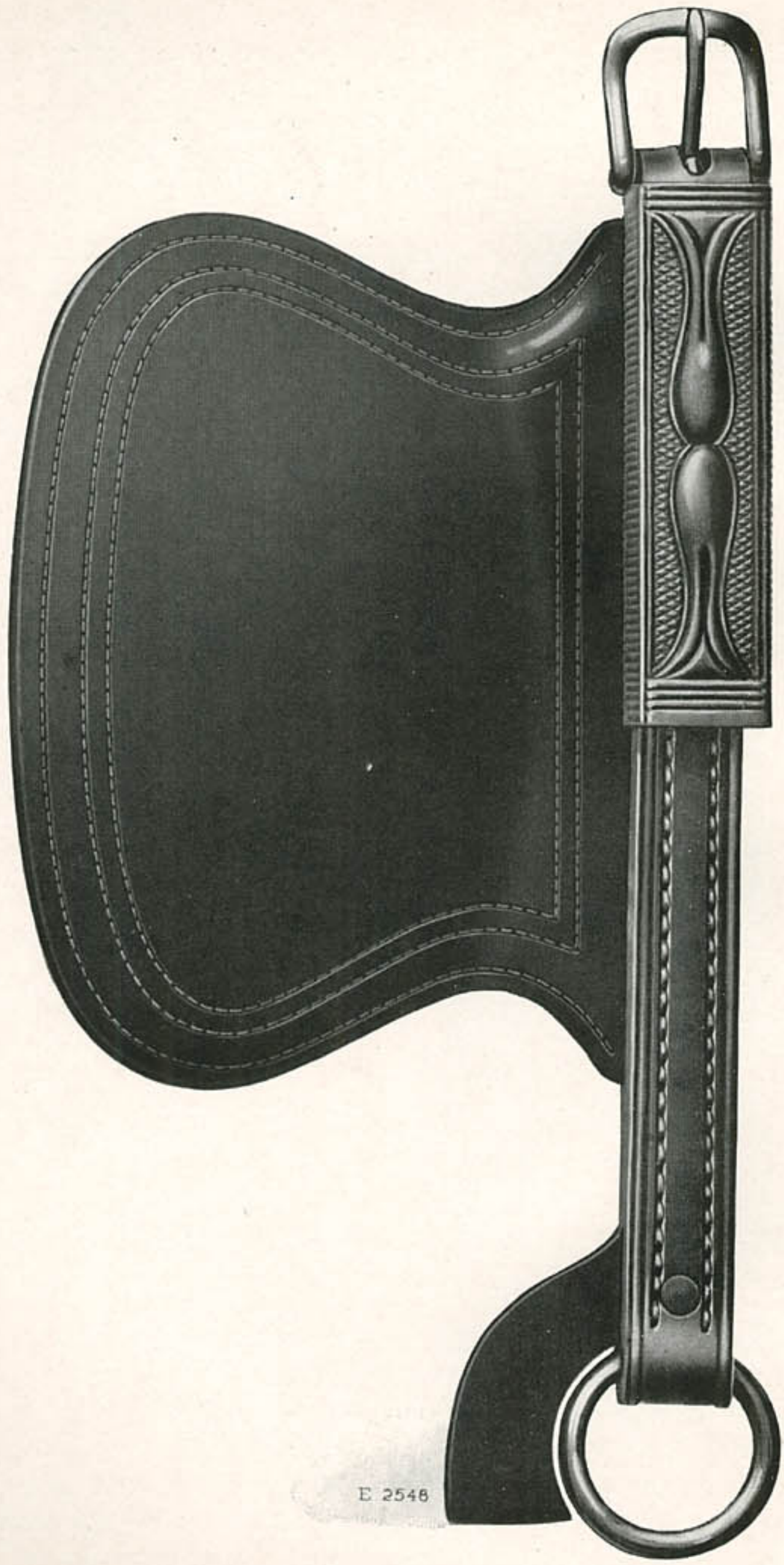
To ensure the formation of firm lock stitches, the thread take-up is fitted with an automatic thread lock which securely holds the needle thread while the stitch is being formed. The lock stitches are consequently drawn tightly into the material and durable work is assured.



Section of Work (Full Size) showing the firm Lock-Stitching
produced by a Machine of Class 97

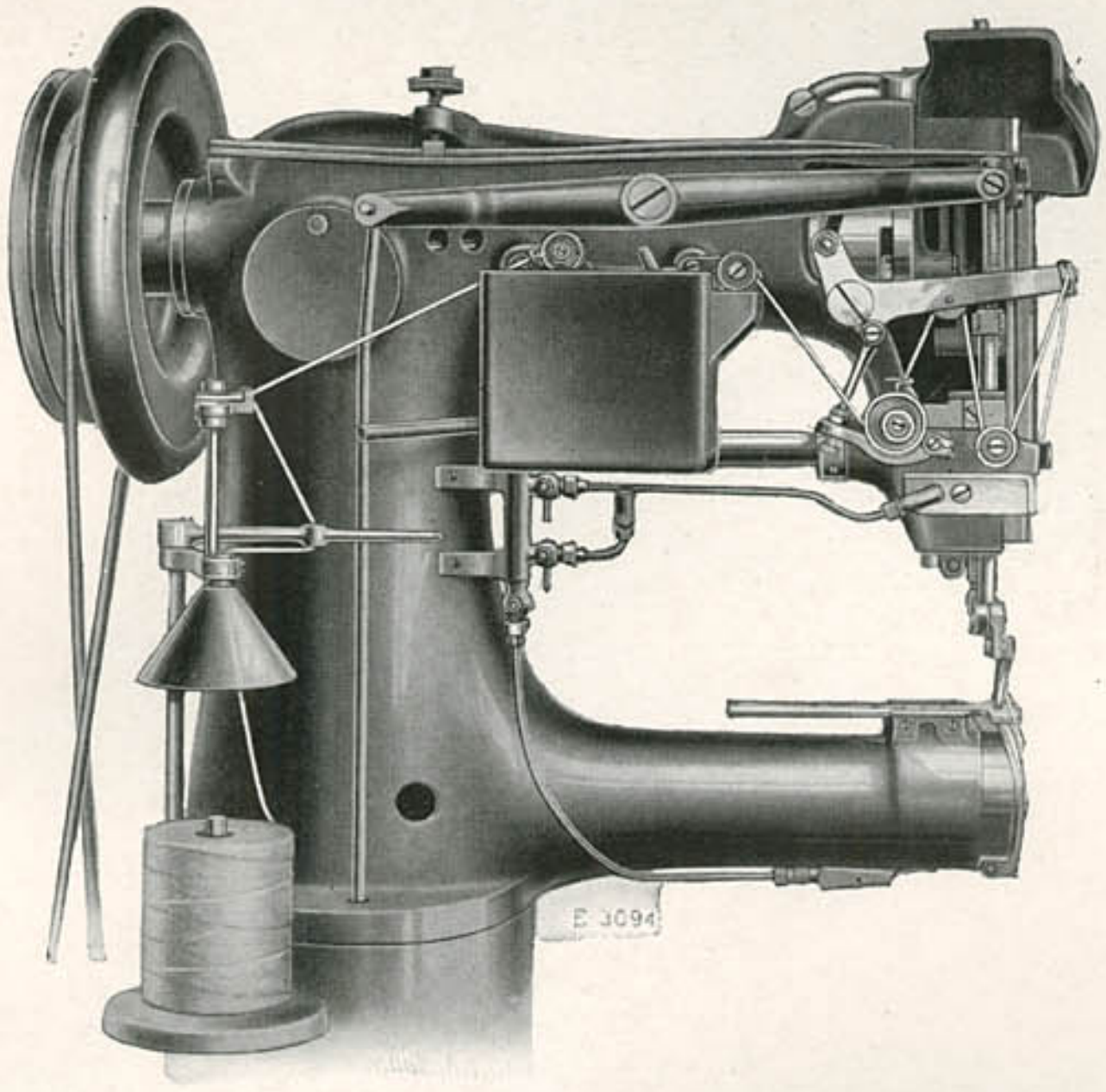
A uniform length of stitch is assured by a positive needle feed which is so arranged that when the needle starts its forward movement, it is reinforced by two needle guides. One guide is located at the right of the needle above the work and the other guide is located below the work. This is an especial advantage when fine harness is being sewn, as it permits the use of needles and thread of smaller sizes.

Stitches varying in length from 3 to 12 to the inch can be readily made, as desired. When necessary the stitches can be set below the upper surface of the work by using one of the stitch sets furnished for the purpose, the stitch set being used in place of the presser foot. Three stitch sets for 6, 8 and 10 stitches to the inch are regularly furnished with each machine unless any other three stitch sets within the range of the machine are specified on the order. Stitch sets for 4 to 12 stitches to the inch can be furnished as desired.



Harness Work, showing Stitching by a Machine of Class 97

The excellent work produced by Hot Wax stitching is made possible by the judicious fitting of three Bunsen burners which will use ordinary illuminating gas or natural gas as desired. One burner warms the wax pot while another warms the tensions, etc., through which the needle thread passes, and the third burner is located near the shuttle. As the wax pot has a lower compartment filled with water, the wax in the upper compartment is prevented from being burnt by the gas heater and the wax may be continually reheated without impairing its efficiency.



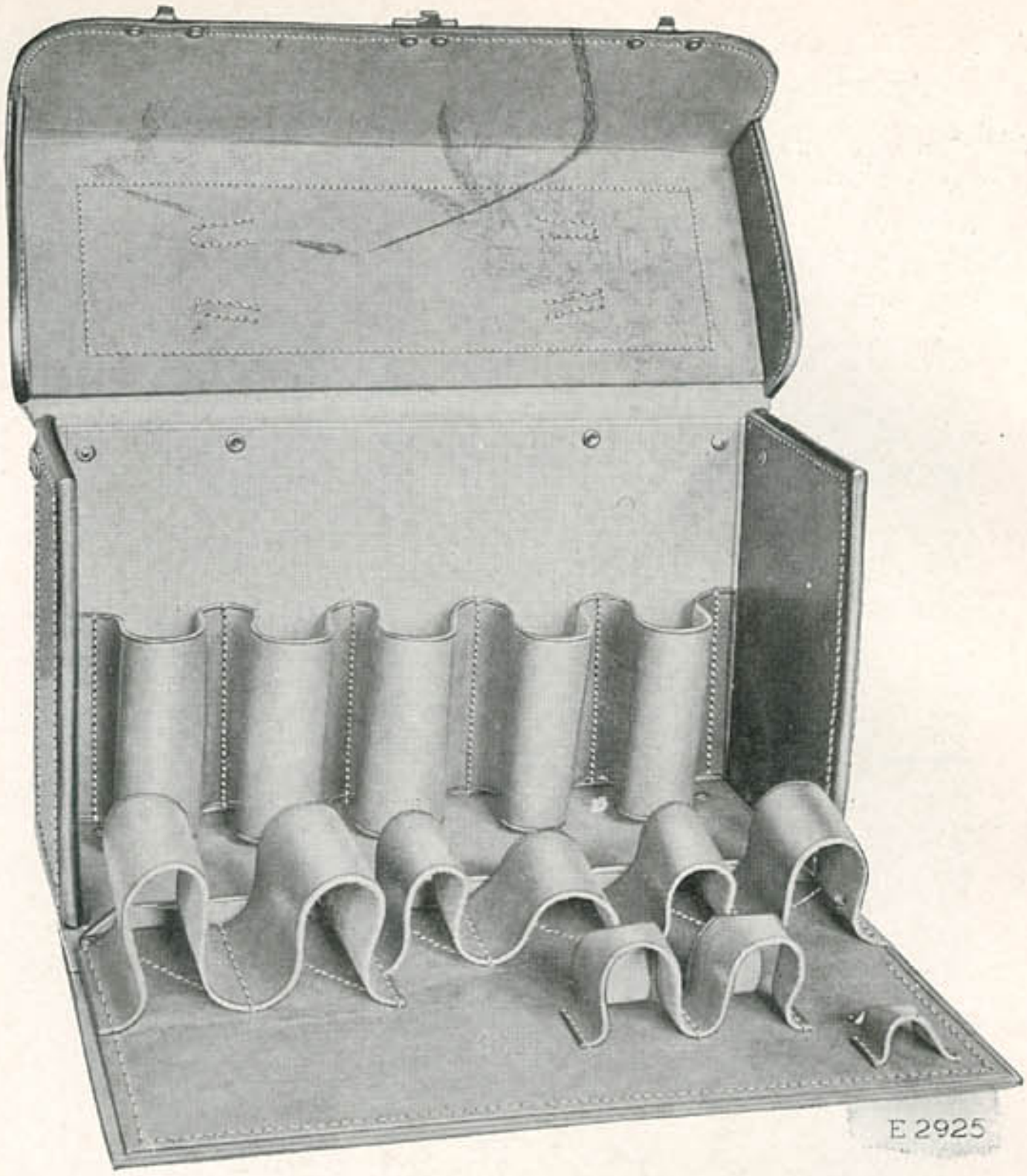
Rear view of Machine 97 showing the Wax Pot and Bunsen Burners

The bobbin winder which is sent out with these machines is also fitted with an efficient burner for heating the wax pot through which the bobbin thread is passed. The wax pot is divided into two compartments, the lower compartment being filled with water similarly to the wax pot on the machine. This bobbin winder is found very economical in the using of wax, and the waxing operation is efficiently accomplished.

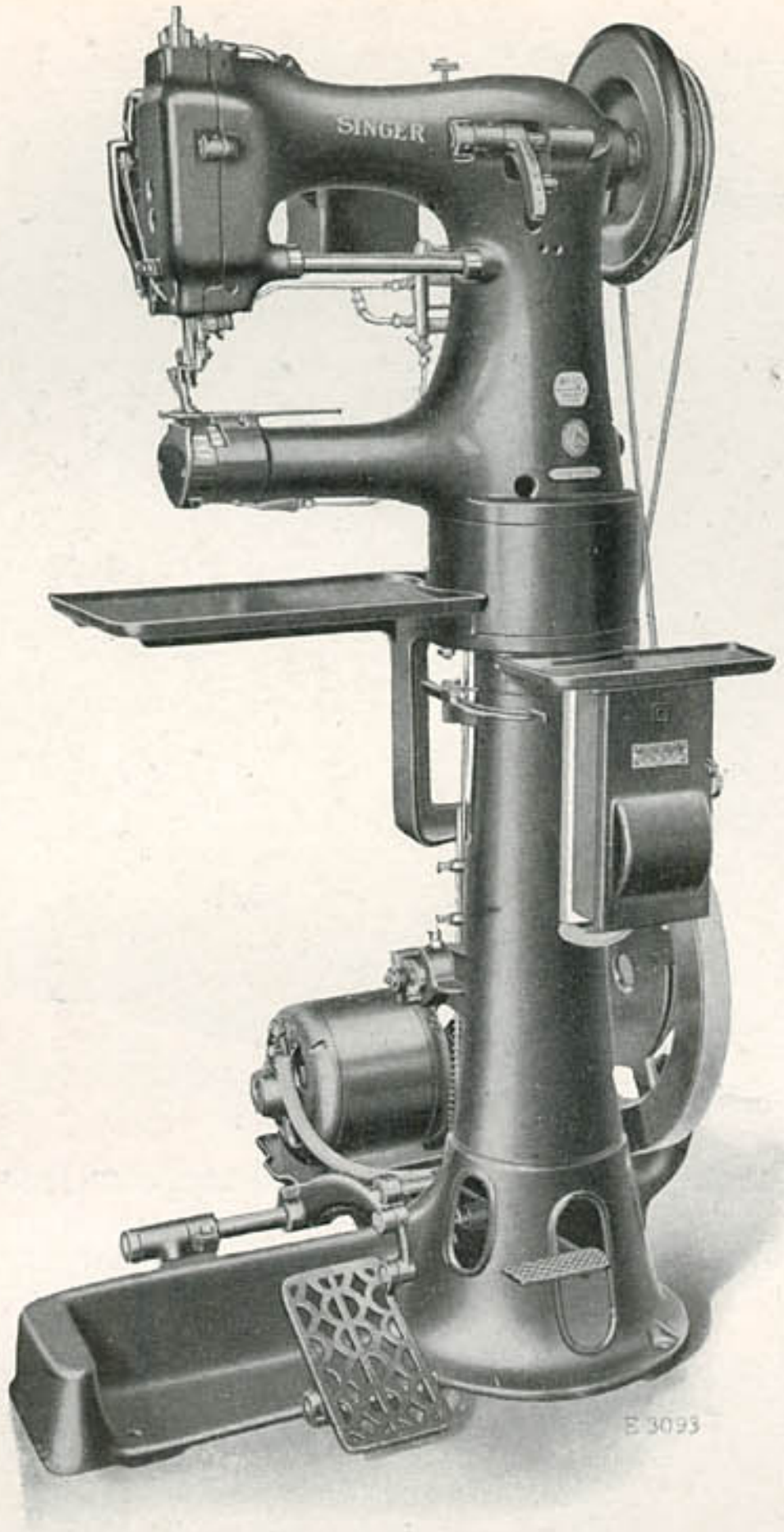
If preferred, the wax pots on the bobbin winder and the machine, including the tensions, shuttle, etc., can be heated by electricity, an electrical heating device being furnished, on order, at an additional charge.

An electric heat controller can also be supplied for use with the electrical heating device when so ordered, an additional charge being made for this equipment.

These machines can also be successfully operated without the heating device by using the thread with any thread lubricant that will run cold.



Inside and Outside of Surgical Case showing Stitching
produced by a Machine of Class 97
Handle Loops and portion of Ends sewn by hand



Machine 97-10 Equipped with
Singer Alternating Current Motor

The Class 97 Machines can be furnished for operation by foot power or mechanical power or for motor drive as desired. The following list shows the individual machines:

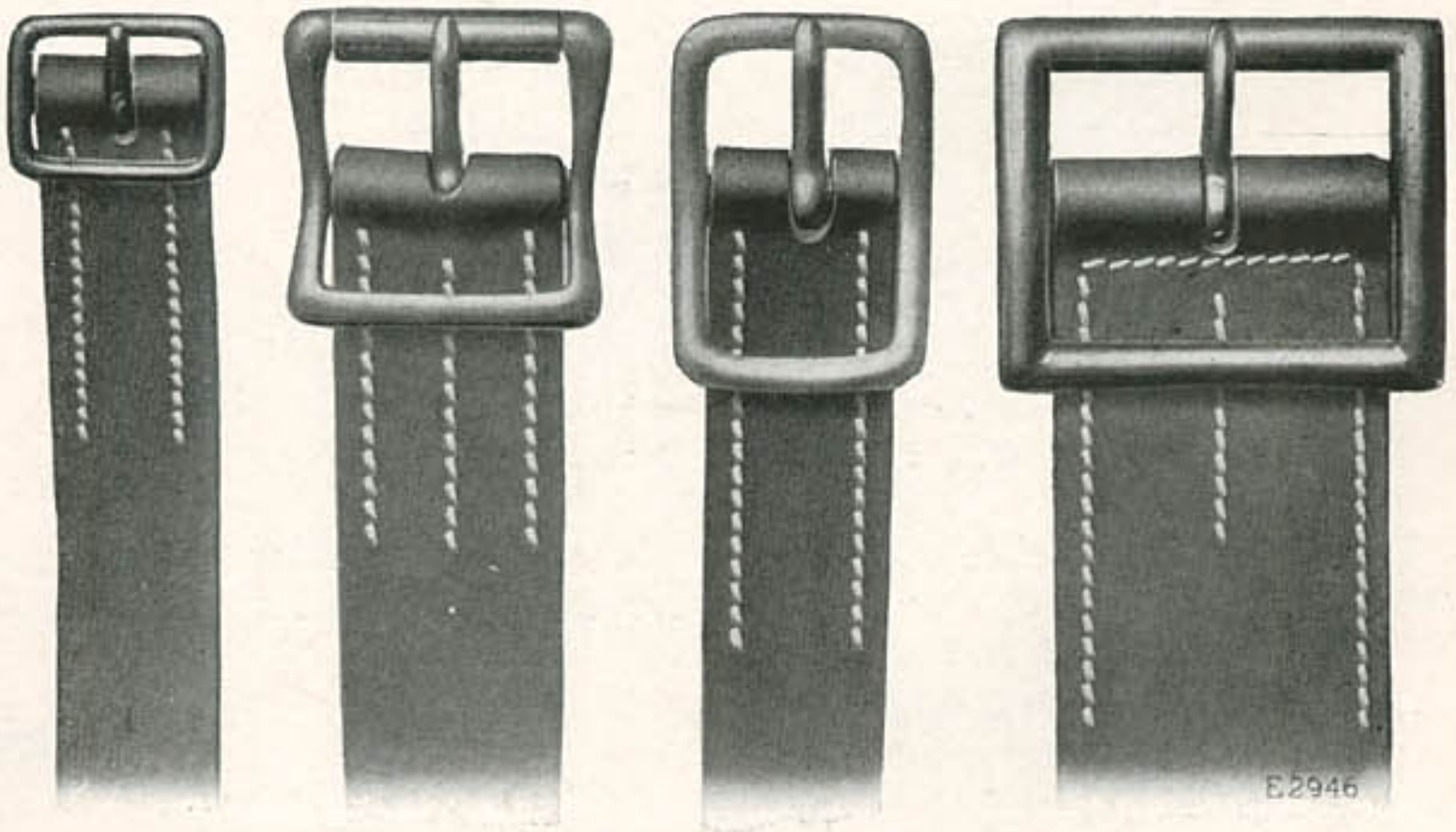
97-6 Machine Head only.
97-7 Machine with stand, for foot power.
97-8 Machine with stand, shaft and pulleys, for mechanical power.
97-9 Machine with stand and ½ horse power direct current motor.
97-10 Machine with stand and ½ horse power alternating current motor.

Machine 97-7, which is equipped for foot power, is easy to operate on account of the ingenious arrangement of the foot pedals.

When ordering Machine 97-9, which includes a direct current motor, the voltage should be specified.

When ordering Machine 97-10, which includes an alternating current motor, the voltage should also be given and in addition the phase and number of cycles.

Leather Bag showing Stitching by a Machine of Class 97



Buckles Sewn in by a Machine of Class 97

SINGER SHOPS FOR THE MANUFACTURING TRADE

Atlanta, Ga.	Dallas, Texas	Kansas City, Mo.	New Orleans, La.	Seattle, Wash.
Baltimore, Md.	Denver, Colo.	Los Angeles, Cal.	New York City	St. Louis, Mo.
Boston, Mass.	Detroit, Mich.	Lynn, Mass.	Philadelphia, Pa.	St. Paul Minn.
Brockton, Mass.	El Paso, Texas	Mexico City, Mex.	Pittsburgh, Pa.	Syracuse, N. Y.
Buffalo, N. Y.	Gloversville, N. Y.	Milwaukee, Wis.	Portland, Ore.	Toronto, Ont., Can.
Chicago. Ill.	Havana, Cuba	Montreal,	Quebec, P. Q., Can.	Troy, N. Y.
Cincinnati, Ohio	Haverhill, Mass.	Quebec, Can.	Rochester, N. Y.	Utica, N. Y.
Cleveland, Ohio	Indianapolis, Ind.	Nashville, Tenn.	Salt Lake City, Utah	Vancouver, B. C., Can.
Columbus, Ohio	Johnson City, N. Y.	Newark, N. J.	San Francisco, Cal.	