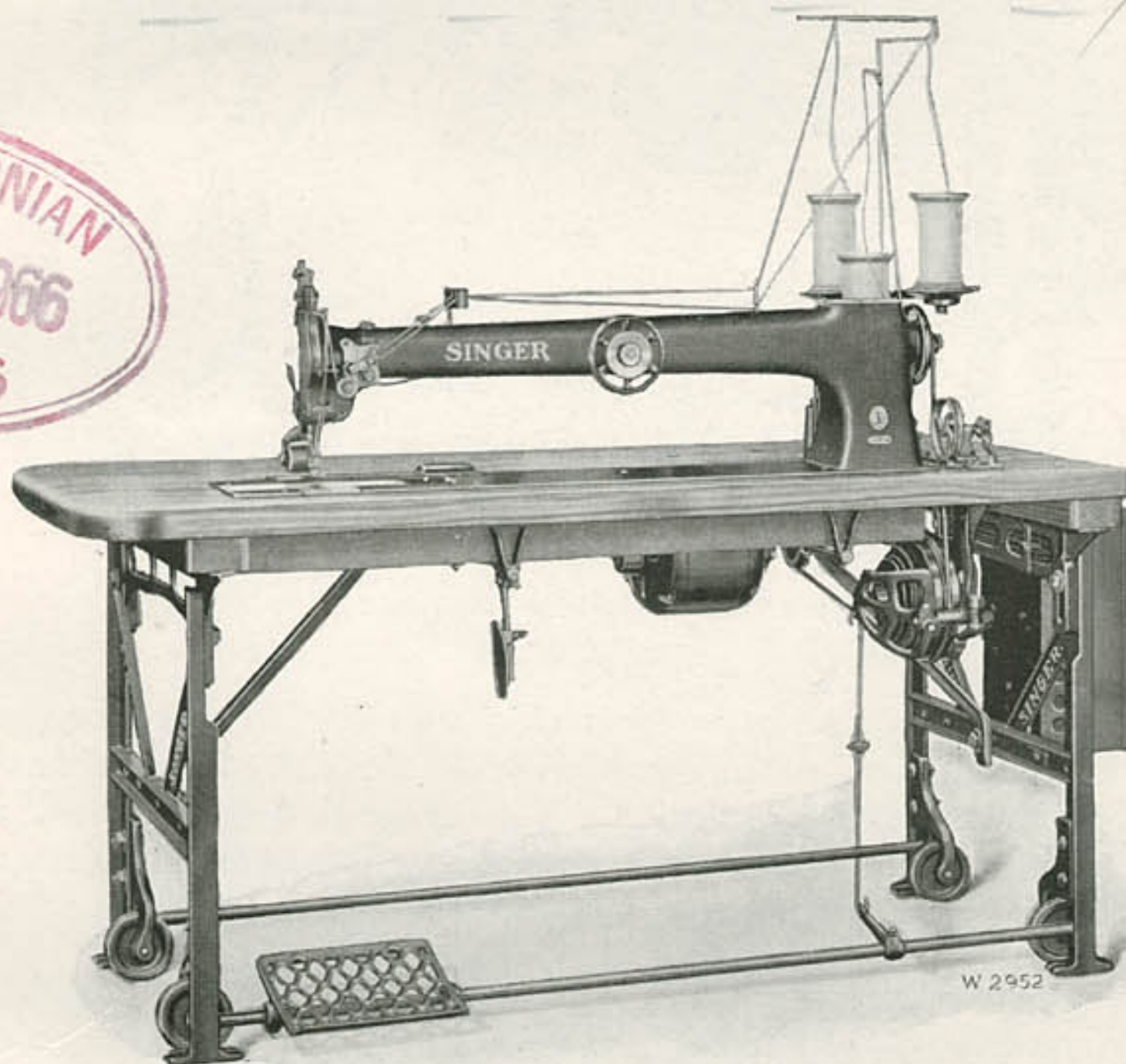


HIGH SPEED EXTRA LONG ARM TWO NEEDLE
SINGER MACHINE No. 113w110
(PULLER FEED)

FOR
TWO LINE LOCK STITCHING
In the manufacture of
BALLOONS, AUTOMOBILE CURTAINS, Etc.

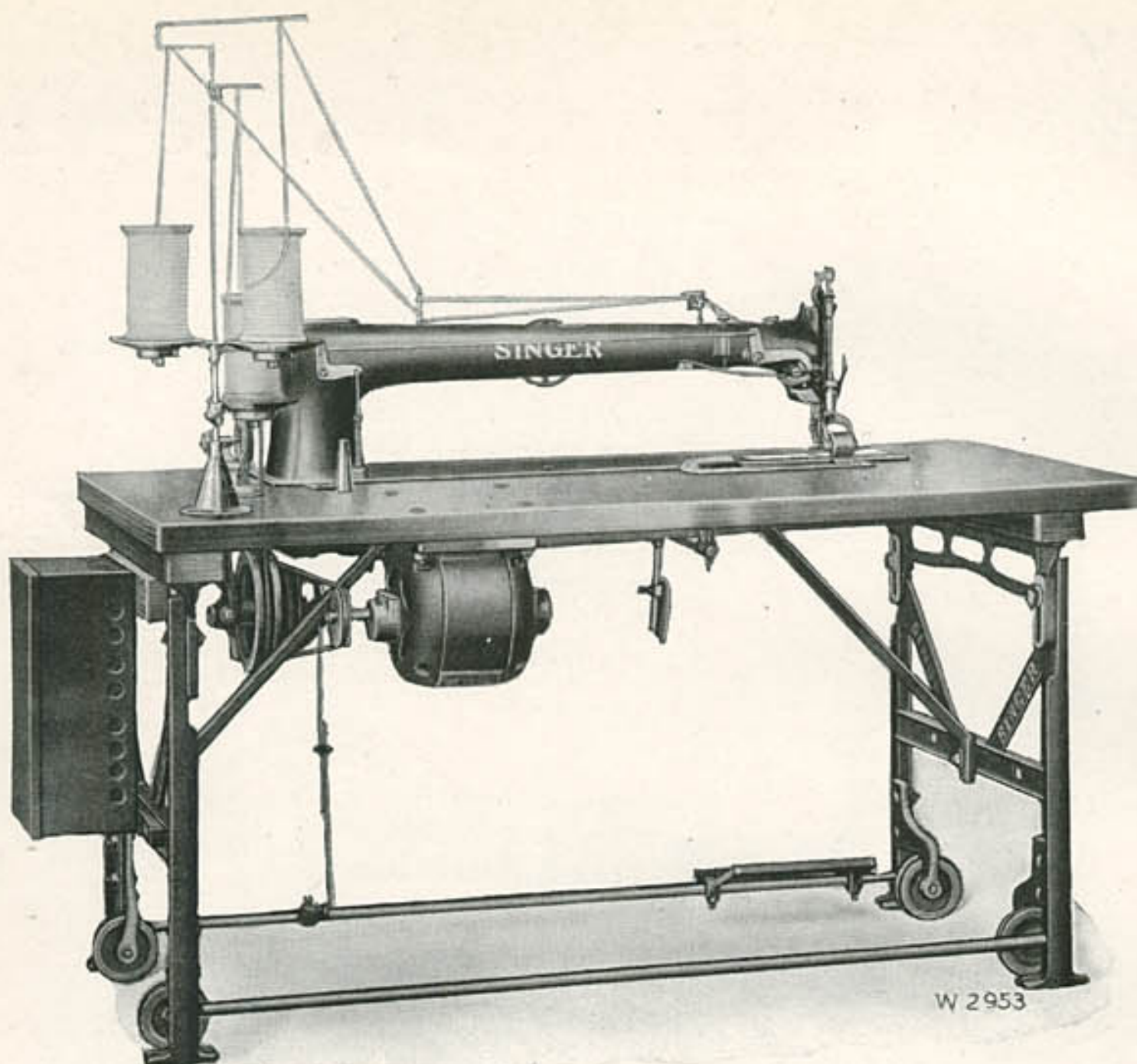


Front View of Machine No. 113w110, with Table No. 205272,
Ironwork No. 234386 and SA-245 Motor

This machine has an extra long arm and is used for stitching seams in balloons, for sewing celluloid into automobile curtains and for stitching articles of large and awkward sizes.

It is equipped with an auxiliary puller feed and makes two lines of lock stitching, at a speed up to 2500 per minute, there being two needles and two sewing hooks.

The distance between the two lines of lock stitching may be from $\frac{1}{8}$ inch to 3 inches as desired, and orders for the machine should specify the gauge required.



Rear View of Machine No. 113w110

The two rolls of the puller feed, which can be either steel or rubber-faced, as required, are located immediately at the back of the twin needles as shown in the above illustration. This auxiliary feed pulls the work while it is being stitched so that much of the burden of feeding heavy and bunched fabrics is taken from the drop feed, the entire feeding mechanism working in unison.

The puller feed also lightens the work of the operator, it being unnecessary for the operator to assist the work at the back of the needles and a larger output of work is further ensured.

For convenience in operation a large hand wheel is located at the front of the machine.

An automatic bobbin winder, which will wind bobbins while the machine is stitching, is another useful and time saving feature of this machine.

Individual Motor Drive

The illustrations show the machine equipped with a Singer electric motor for individual motor drive, and the entire outfit has the further advantage of being portable, the machine stand being mounted on castors to facilitate the moving of the equipment from place to place as desired.

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SUMMARY OF DETAILS

Machine—No. 113 w 110, lock stitch.

Work—Balloons, airplanes, automobile curtains and other work where it is necessary to sew a great distance from the edge.

Needles—Two.

Gauges (distance between needles)— $\frac{1}{8}$ inch to 3 inches as ordered.

Sewing Hooks—Two, rotating vertically, belt driven.

Feed—Drop feed and puller feed.

Puller Feed Rolls—Two, each $1\frac{1}{4}$ inches long and $1\frac{1}{2}$ inches diameter.

Length of Stitch—Up to $\frac{1}{4}$ inch.

Capacity—Will sew up to 6 thicknesses of No. 8 duck.

Speed—Up to 2500 per minute.

Lifter—Knee lifter.

Drive—Can be operated by individual electric motor or other power as desired.

Working Space at Right of Needle Bar—30 inches.

Space between under part of Arm and top of Bed—6 inches.

Bed { Length, $40\frac{3}{4}$ inches.
 { Width, $7\frac{3}{4}$ inches.

Attachments—Machine can be fitted with lap seam fellers, binders, etc.

Singer Sewing Machine Company Shops for the Manufacturing Trade

ATLANTA, GA
66 SOUTH BROAD STREET

BALTIMORE, MD.
106 WEST CLAY STREET

BOSTON, MASS.
566 ATLANTIC AVENUE

BROCKTON, MASS.
68 CENTRE STREET

BUFFALO, N. Y.
24 ELLICOTT STREET

CHICAGO, ILL.
1015-1019 W. JACKSON BOULEVARD

CINCINNATI, OHIO
113 WEST THIRD STREET

CLEVELAND, OHIO
1353 SUPERIOR AVE., N. E.

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22 NORTH HIGH STREET

DALLAS, TEXAS
1004 ELM STREET

DENVER, COLO.
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ROOM 201, KRESGE BUILDING
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GLOVERSVILLE, N. Y.
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153 ESSEX STREET

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534 EAST FIFTH STREET

LYNN, MASS.
96 MONROE STREET

MEXICO CITY,
MEXICO

MILWAUKEE, WIS.
62 MASON STREET

MONTREAL, QUEBEC, CAN.
344 NOTRE DAME ST., WEST

NASHVILLE, TENN.
244 NORTH FIFTH AVENUE

NEWARK, N. J.
297 MARKET STREET

NEW ORLEANS, LA.
1011 CANAL STREET

NEW YORK CITY
561 AND 563 BROADWAY

PHILADELPHIA, PA.
924 CHESTNUT STREET

PITTSBURGH, PA.
931 LIBERTY AVENUE

PORTLAND, ORE
402 WASHINGTON STREET

QUEBEC, P. Q., CAN.
63 CROWN STREET

ROCHESTER, N. Y.
132 ANDREWS STREET

SALT LAKE CITY, UTAH
43 SOUTH MAIN STREET

SAN FRANCISCO, CAL.
728 MISSION STREET

SEATTLE, WASH.
1317 THIRD AVENUE

ST. JOHN, N. B.
45 GERMAIN STREET

ST. JOHNS, NEWFOUNDLAND
202 WATER STREET

ST. LOUIS, MO.
1507 OLIVE STREET

ST. PAUL, MINN.
29 EAST SIXTH STREET

SYRACUSE, N. Y.
613 SOUTH CLINTON STREET

TOLEDO, OHIO
511 ADAMS STREET

TORONTO, ONT., CAN.
246 RICHMOND STREET, WEST

TROY, N. Y.
14 UNION STREET

UTICA, N. Y.
211 ELIZABETH STREET

VANCOUVER, B. C.
615 GRANVILLE STREET

WINNIPEG, MANITOBA, CAN.
306 MAIN STREET