

**SINGER SEWING MACHINES**

**ELIZABETHPORT**



FORM 8800  
REVISED  
SEPTEMBER 1, 1924  
PRINTED IN U. S. A.

LIST OF  
**SINGER SEWING MACHINES**

(ELIZABETHPORT)

WITH PRICES, DESCRIPTIONS AND OTHER  
INFORMATION IN RELATION TO THEM



SINGER SHOPS EVERYWHERE

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**THE SINGER MANUFACTURING Co.**



F.L.L.

JUN - 4 1928

Arts and Industries

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LIST OF

# SINGER SEWING MACHINES

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WITH PRICES, DESCRIPTIONS AND OTHER  
INFORMATION IN RELATION TO THEM



SINGER SHOPS EVERYWHERE

THE SINGER MANUFACTURING CO.



TELEGRAPHIC CODE

CLASS 32

32-1.....EHBAB  
 32-11.....EHCUN  
 32-12.....EHDON  
 32-18.....EHEEM  
 32-21.....EHCAN  
 32-24.....EHCUS  
 32-25.....EHCYT  
 32-26.....EHEEP  
 32-29.....EHHIR  
 32-30.....EHHOS  
 32-31.....EHHUT  
 32-38.....EHLER

CLASS 37

37-2.....EHRUD  
 37-3.....EHSER  
 37-4.....EHSIC  
 37-6.....EHTAB  
 37-8.....EHTEC  
 37-10.....EHTUF

CLASS 37

37-2.....EHRUD  
 37-3.....EHSER  
 37-4.....EHSIC  
 37-6.....EHTAB  
 37-8.....EHTEC  
 37-10.....EHTUF

32-41.....EHLIS  
 32-43.....EHKAR  
 32-44.....EHKES  
 32-45.....EHKIT  
 32-46.....EHKOV  
 32-47.....EHKYX  
 32-48.....EHLAS  
 32-49.....EHLER  
 32-52.....EHLW  
 32-54.....EHMAT  
 32-56.....EHMEV  
 32-57.....EHMOX  
 32-58.....EHMUN  
 32-59.....EHNVA  
 32-61.....EHNIX  
 32-62.....EHNOS

CLASS 41

41-2.....EHLBA  
 41-6.....EHLBK  
 41-7.....EHLBI  
 41-8.....EHLBM  
 41-10.....EHLCA  
 41-12.....EHLCI

CLASS 42

42-1.....EHLAP  
 42-2.....EHLER  
 42-4.....EHLHT  
 42-5.....EHLVA  
 42-7.....EHLKT  
 42-8.....EHLKI

CLASS 43

43-1.....EHLIX  
 43-4.....EHLMEW  
 43-5.....EHLMIX

CLASS 44

44-3.....EHLPOC  
 44-4.....EHLUD  
 44-7.....EHLROD  
 44-8.....EHLVAB  
 44-9.....EHLSEC  
 44-10.....EHLSID  
 44-13.....EHLTED  
 44-14.....EHLTOP  
 44-15.....EHLTUG  
 44-17.....EHLZOK  
 44-18.....EHLKBAK  
 44-19.....EHLKBEI  
 44-20.....EHLKBI  
 44-22.....EHLKBN  
 44-23.....EHLKCAI  
 44-26.....EHLKCEM  
 44-27.....EHLKCI  
 44-29.....EHLKCYR  
 44-30.....EHLKDAM  
 44-34.....EHLKDOP  
 44-35.....EHLKDUR  
 44-37.....EHLKEAN  
 44-38.....EHLKEIP  
 44-39.....EHLKEOR  
 44-40.....EHLKEOT



# TELEGRAPHIC CODE

## CLASS 32

32-1.....EHBAH  
32-11.....EHCUN  
32-15.....EHDON  
32-18.....EHFEM  
32-21.....EHGAN  
32-24.....EHGUS  
32-25.....EHGYT  
32-26.....EHHEP  
32-29.....EHHIR  
32-30.....EHHOS  
32-31.....EHHUT  
32-38.....EHJER

32-41.....EHJIS  
32-43.....EHKAR  
32-44.....EHKES  
32-45.....EHKIT  
32-46.....EHKOV  
32-47.....EHKYX  
32-48.....EHLAS  
32-49.....EHLET  
32-52.....EHLOW  
32-54.....EHMAT  
32-56.....EHMEV  
32-57.....EHMOX  
32-58.....EHMUZ  
32-59.....EHNAV  
32-61.....EHNIX  
32-62.....EHNOZ

## CLASS 37

37-2.....EHRUD  
37-3.....EHSEB  
37-4.....EHSIC  
37-6.....EHTAB  
37-8.....EHTEC  
37-10.....EHTUF

## CLASS 41

41-5.....EJBAJ  
41-6.....EJBKJ  
41-7.....EJBIL  
41-8.....EJBOM  
41-10.....EJCAK  
41-12.....EJCIM

## CLASS 42

42-1.....EJHAP  
42-2.....EJHER  
42-4.....EJHOT  
42-5.....EJHUV  
42-7.....EJKET  
42-8.....EJKIV

## CLASS 43

43-1.....EJLOX  
43-4.....EJMEW  
43-5.....EJMIX

## CLASS 44

44-3.....EJPOC  
44-4.....EJPUD  
44-7.....EJROD  
44-8.....EJSAB  
44-9.....EJSEC  
44-10.....EJSID  
44-13.....EJTED  
44-14.....EJTOF  
44-15.....EJTUG  
44-17.....EJZOK  
44-18.....EKBAK  
44-19.....EKBEL  
44-20.....EKBIM  
44-22.....EKBON  
44-25.....EKCAL  
44-26.....EKCEM  
44-27.....EKCIN  
44-29.....EKCYR  
44-30.....EKDAM  
44-34.....EKDOP  
44-35.....EKDUR  
44-37.....EKFAN  
44-38.....EKFIP  
44-39.....EKFOR  
44-40.....EKFOT



# MANUFACTURING MACHINES

When ordering machines attention must be given to the items and instructions which follow:

FIRST. The CLASS NUMBERS designate the type or form of machine.

SECOND. The VARIETY NUMBERS designate the special features of each machine.

THIRD. The HYPHEN OR LETTER separating Class and Variety numbers is essential and MUST NOT be omitted.

FOURTH. The NUMBERS and PRICES include Heads with regular accessories only, fitted as described, WITHOUT STANDS OR TABLES except when ordered. When the description includes driving attachment, knee lifter, or other mechanism requiring connections below the table, the numbers and prices cover all parts necessary for such connection.

FIFTH. DRIP PANS are included with machine heads and NOT with stands, nor with power tables.

SIXTH. LAP SEAM FELLERS, MULTIPLE CORDERS, SPECIAL HEMMERS, BINDERS, FOLDERS and other attachments, except when covered by the description of the machine, must be specified on order; samples of material to be used should be sent with such orders as well as specimens of finished work and information whether the body or mass of the goods is to pass at the right or left of the needle, so that practical tests can be made at the factory before shipment of the machine or attachment.

SEVENTH. EACH SAMPLE should be plainly marked with the name of the Agency and the number of the order to which it pertains.

EIGHTH. WHEN AN ATTACHMENT IS ORDERED separately, the CLASS and VARIETY numbers of the machine for which it is intended must be given; also the gauge or distance between needles, if the machine has more than one needle.

NINTH. WHEN ORDERING MACHINES BY TELEGRAPHIC CODE be careful to write EACH LETTER of the Code VERY PLAINLY.

TENTH. With the exceptions mentioned below, HINGES FOR MACHINE HEADS for all Square Bed Machines, whether Family or Manufacturing, are considered as part of the Cabinet Work, or as part of the Power Table or Bench Stand, and are shipped with such wood work and NOT with the head.

THE ONLY EXCEPTION TO THIS RULE is Hinge No. 44140, of which Connection No. 12361 will be shipped with the heads of Machines of Classes 16 with new style bed, 31, 44, 52, 53, 55, 78, 95 and 96. Plate No. 44139 will be shipped with the wood work for all of the above mentioned machines.

In cases where Manufacturing Machines are ordered separately, to be placed on benches already erected but not yet cut out, hinges will be shipped from factory with the heads, but orders for heads in such cases MUST STATE that hinges are required.



# MANUFACTURING MACHINES

## DESCRIPTIVE PAMPHLETS

The descriptive pamphlets which more fully describe the machines mentioned in this Catalogue, should be liberally used among manufacturers and others who use or require Sewing Machines.

### SPEED

THE MAXIMUM SPEEDS recommended in this Catalogue at which the machines may be driven, are only approximate; the most economical speed for any machine must be decided by good judgment, after considering all the conditions under which machine is to be used.

When a machine is employed in stitching thin fabrics, with frequent stops to arrange the work, it may be driven at a much higher speed than one of the same class employed upon similar goods, but driven continuously, as in hemming or tucking very long pieces.

The quality and weight or thickness of the material to be stitched must also be taken into consideration.

For these reasons it is impossible to recommend a speed for any machine which will be of maximum utility under all circumstances.

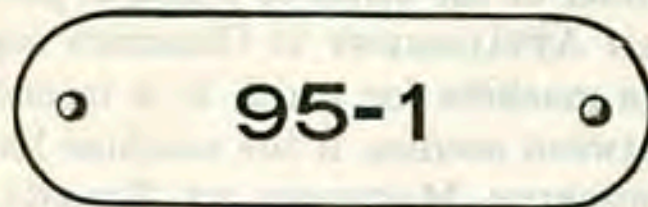
Although all Singer Sewing Machines are thoroughly "run in" before shipment, they are very closely fitted and should therefore at starting be driven at a comparatively low speed; after the parts have become glazed by their action upon each other, the speed may be increased to the maximum recommended.

### WEIGHTS AND CUBIC MEASUREMENTS

The net and gross weights and cubic measurements given in the description of each machine are for a single outfit, packed for export.

### THE NUMBER PLATE

The specific designation of each Singer Sewing Machine consists of two numbers, separated by a hyphen or letter and stamped upon a number plate, which is attached to the machine, usually upon the arm.



The number before the hyphen or letter designates the Class to which the machine belongs, and the number after, the Variety of the machine in its Class.

When supplies for a machine are to be ordered and there is any uncertainty as to the correct numbers of needles or parts, the Class and Variety numbers of the machine, as shown on the number plate, should be given to ensure a correct understanding of the order.

### THE ALTERNATING PRESSERS

This mechanism consists of a vibrating and a lifting presser working in combination, so arranged that they press down alternately upon the work, each at its moment of pressure forming a fulcrum upon which the other is raised. In operation the alternating pressers appear to walk over the fabric, passing with equal facility over a smooth, even surface of work, having abrupt inequalities in thickness; they have no tendency to retard the upper piece of the work, which therefore comes out even with the lower piece when the seam is finished.



# MANUFACTURING MACHINES

## INDEPENDENT UPPER AND UNDER FEEDS

In machines having this mechanism the work is clamped between the feeding foot and the under feed surface while it is moving forward.

The presser is connected with a positive feeding mechanism, which can be adjusted independently of the lower feed, so as to cause the upper piece of fabric to move forward faster or slower as desired in relation to the movement of the lower piece.

## THE VIBRATING PRESSER

The Presser Foot in this mechanism is attached to a supplementary foot bar, hinged at its upper end to a section of the regular presser bar. In operation it moves forward with the material under the impulse of the feed mechanism and is then automatically lifted and forced back by a spring to its first position near the needle; it is then let down upon the work by the continued automatic action of the mechanism. The Vibrating Presser is useful when stitching material having an adhesive surface or upon thick soft goods, as it allows them to move forward without friction under the foot.

## S. D. A.

The S. D. A. or Singer Driving Attachment is a device, operated by pressure upon a treadle by which the constantly moving belt pulley on the machine is brought into contact with a frictional surface on the balance wheel, and its motion thereby transmitted to the machine. When the pressure is removed a brake is automatically applied and the machine instantly stopped; by the use of S. D. A. the speed of the machine up to its full capacity is under the control of the operator.

## THE UNDERDRIVER

The Underdriver is a device to be fastened to the under surface of the power table for the purpose of transmitting the motion of the power table shaft to the machine; it is provided with a loose cone pulley which is belted to the driving pulley on the table shaft, a tight pulley which is belted to the pulley of the balance wheel and a treadle and pitman by which the moving loose pulley is caused to impart its motion to the tight pulley and thence to the machine.

## THE BELT SHIFTER

This device is rarely used for Sewing Machines except on those for continuous heavy work and with which a flat belt is used; it consists of two guides with a space slightly wider than the width of the belt, mounted upon a slide and having a handle by which the slide can be moved and the belt guided from the loose to the tight pulley on the machine and vice versa, thus starting or stopping the machine.



# TELEGRAPHIC CODE FOR ORDERING MACHINES

## CLASS 3

3-1.....EBBAC

## CLASS 5

5-3.....EBCAD

5-7.....EBCOG

## CLASS 6

6-3.....EBFOJ

6-4.....EBFUH

6-8.....EBGIK

6-9.....EBGOL

6-10.....EBGUM

6-12.....EBHAJ

6-14.....EBHEK

6-15.....EBHIL

6-16.....EBHOM

6-17.....EBHUN

## CLASS 7

7-1.....EBJIM

7-3.....EBJYP

7-5.....EBKAL

7-7.....EBKIN

7-9.....EBKUP

7-10.....EBKYR

7-11.....EBLAM

7-13.....EBLEM

7-14.....EBLOP

7-16.....EBLYS

7-17.....EBMAN

7-22.....EBNEP

7-27.....EBPAR

7-28.....EBPES

7-29.....EBPIT

7-31.....EBPYX

7-32.....EBRAS

7-33.....EBMOR

7-34.....EBMYT

7-35.....EBNIR

7-36.....EBNUT

7-38.....EBRIV

7-39.....EBROW

7-40.....ERGLO

7-41.....ERBUT

7-42.....EBRUV

7-44.....EBRUY

7-46.....ENIBA

7-47.....ENICO

7-48.....ENIGE

7-50.....ENJAB

7-51.....ENJED

7-52.....EHJIZ

7-53.....ENJUF

7-54.....ENKAG

## CLASS 10

10-1.....EBTOZ

10-3.....EBVAW

## CLASS 11

11-11.....EBZIC

11-13.....ECBAD

11-16.....ECBUH

11-17.....ECBYJ

11-20.....ECCOH

11-24.....ECDEG

11-26.....ECDUK

11-29.....ECFEH

11-30.....ECFIJ

11-32.....ECFOL

11-33.....ECFON

11-34.....ECFOP

11-35.....ECFOR

11-36.....ECFOS

11-37.....ECFOT

## CLASS 8

8-2.....EBRYZ

8-3.....EBSAT

8-4.....EBSEV

8-6.....EBSUZ

8-7.....EBTAV

8-8.....EBSOX



# TELEGRAPHIC CODE

## CLASS 14 K

14 κ 9.....AHJOS  
 14 κ 10.....AHJUT  
 14 κ 11.....AHJYV  
 14 κ 12.....AHKAP  
 14 κ 13.....AHKER  
 14 κ 14.....AHKIS  
 14 κ 15.....AHKOT  
 14 κ 16.....AHKUV  
 14 κ 17.....AHKYW  
 14 κ 18.....AHLAR  
 14 κ 19.....AHLES  
 14 κ 20.....AHLIT  
 14 κ 21.....AHLOV  
 14 κ 22.....AHLUW  
 14 κ 23.....AHLYX  
 14 κ 24.....AHMAS

## CLASS 16

16-30.....ECMUT  
 16-44.....ECREV  
 16-45.....ECROX  
 16-46.....ECRUN  
 16-81.....ECTUB  
 16-97.....EDCAF  
 16-127.....EDCPT  
 16-128.....EDCPU  
 16-133.....EDCOM  
 16-136.....EDCRF  
 16-137.....EDCRG  
 16-141.....EDCRL  
 16-188.....EDCTN  
 16-196.....EDCTW

## CLASS 17

17-23.....EDHUP  
 17-24.....EDHYR  
 17-25.....EDJAM  
 17-28.....EDJUR  
 17-29.....EDJYS  
 17-30.....EDKAN

## CLASS 15

15-30.....ECHEL  
 15-31.....ECHIM  
 15-33.....ECHYP  
 15-35.....ECJEM  
 15-36.....ECJIN

## CLASS 18

18-1.....EDLOS  
 18-2.....EDLUT  
 18-3.....EDLYV  
 18-5.....EDMER  
 18-6.....EDMIS  
 18-7.....EDMOT  
 18-15.....EDPEV  
 18-16.....EDPOX  
 18-17.....EDPUZ  
 18-18.....EDRAV

## CLASS 17

17-1.....EDCUK  
 17-2.....EDCYL  
 17-5.....EDDIJ  
 17-7.....EDDUL  
 17-8.....EDDYM  
 17-11.....EDFIK  
 17-12.....EDFOL  
 17-15.....EDGAK  
 17-16.....EDGEL  
 17-17.....EDGIM  
 17-19.....EDGYP  
 17-22.....EDHIN

## CLASS 19

19-5.....EDSEX  
 19-8.....EDSIZ  
 19-9.....EDSUB  
 19-10.....EDSYC  
 19-11.....EDTAX  
 19-12.....EDTEZ

15-50.....ECLOR  
 15-60.....ECLUS



# TELEGRAPHIC CODE

## CLASS 25

25-1.....EFTYE  
 25-3.....EFVIC  
 25-4.....EFVOD  
 25-6.....EFZAD

25-52.....EGBUL  
 25-56.....EGCIK

## CLASS 26

26-1.....EGDIL  
 26-2.....EGDOM

## CLASS 29

29-4.....EGGYS

## CLASS 29 K

29 K 31.....ADBYJ

## CLASS 31

31-15.....EGHOR  
 31-16.....EGHUS  
 31-17.....EGHYT  
 31-18.....EGJEP  
 31-19.....EGJIR  
 31-20.....EGJOS  
 31-21.....EGJUT  
 31-22.....EGKAP  
 31-24.....EGKER  
 31-27.....EGKIS  
 31-28.....EGKOT  
 31-29.....EGKUV  
 31-30.....EGLAR  
 31-31.....EGLES  
 31-32.....EGLIT  
 31-34.....EGLOV  
 31-35.....EGLYX  
 31-36.....EGMAS  
 31-37.....EGMET  
 31-38.....EGMIV  
 31-39.....EGMOW  
 31-40.....EGMUX  
 31-41.....EGMYZ  
 31-42.....EGNAT  
 31-43.....EGNEV  
 31-44.....EGNOX  
 31-45.....EGNUZ

31-52.....EGPUB  
 31-55.....EGREZ  
 31-60.....EGSOC  
 31-62.....EGTEB  
 31-63.....EGTIC

## CLASS 24

24-4.....EFJAN  
 24-7.....EFJOR  
 24-8.....EFJUS  
 24-13.....EFJYT  
 24-14.....EFKEP  
 24-17.....EFKIR  
 24-19.....EFKOS  
 24-21.....EFKUT  
 24-23.....EFKYV  
 24-26.....EFLER  
 24-29.....EFLOT  
 24-31.....EFMAR  
 24-32.....EFMES  
 24-33.....EFMIT  
 24-34.....EFMOV  
 24-36.....EFNAS  
 24-37.....EFNET  
 24-39.....EFNOW

24-52.....EFSAX  
 24-53.....EFSEZ  
 24-54.....EFSOB  
 24-55.....EFSUC  
 24-56.....EFSYD  
 24-57.....EFTAZ  
 24-59.....EGBIJ  
 24-60.....EFTOC  
 24-61.....EFTUD  
 24-62.....EGBAG  
 24-63.....EGBEH



# TELEGRAPHIC CODE

## CLASS 32

32-1.....EHBAH  
32-11.....EHCUN  
32-15.....EHDON  
32-18.....EHFEM  
32-21.....EHGAN  
32-24.....EHGUS  
32-25.....EHGYT  
32-26.....EHHEP  
32-29.....EHHIR  
32-30.....EHHOS  
32-31.....EHHUT  
32-38.....EHJER

32-41.....EHJIS  
32-43.....EHKAR  
32-44.....EHKES  
32-45.....EHKIT  
32-46.....EHKOV  
32-47.....EHKYX  
32-48.....EHLAS  
32-49.....EHLET  
32-52.....EHLOW  
32-54.....EHMAT  
32-56.....EHMEV  
32-57.....EHMOX  
32-58.....EHMUZ  
32-59.....EHNAV  
32-61.....EHNIX  
32-62.....EHNOZ

## CLASS 37

37-2.....EHRUD  
37-3.....EHSEB  
37-4.....EHSIC  
37-6.....EHTAB  
37-8.....EHTEC  
37-10.....EHTUF

## CLASS 41

41-5.....EJBAJ  
41-6.....EJBKJ  
41-7.....EJBIL  
41-8.....EJBOM  
41-10.....EJCAK  
41-12.....EJCIM

## CLASS 42

42-1.....EJHAP  
42-2.....EJHER  
42-4.....EJHOT  
42-5.....EJHUV  
42-7.....EJKET  
42-8.....EJKIV

## CLASS 43

43-1.....EJLOX  
43-4.....EJMEW  
43-5.....EJMIX

## CLASS 44

44-3.....EJPOC  
44-4.....EJPUD  
44-7.....EJROD  
44-8.....EJSAB  
44-9.....EJSEC  
44-10.....EJSID  
44-13.....EJTED  
44-14.....EJTOF  
44-15.....EJTUG  
44-17.....EJZOK  
44-18.....EKBAK  
44-19.....EKBEL  
44-20.....EKBIM  
44-22.....EKBON  
44-25.....EKCAL  
44-26.....EKCEM  
44-27.....EKCIN  
44-29.....EKCYR  
44-30.....EKDAM  
44-34.....EKDOP  
44-35.....EKDUR  
44-37.....EKFAN  
44-38.....EKFIP  
44-39.....EKFOR  
44-40.....EKFOT



## TELEGRAPHIC CODE

### CLASS 44—(Cont.)

44-60.....EKFUS  
44-62.....EKGAP

44-72.....EKGIS  
44-74.....EKGUV

44-79.....EKHUZ  
44-81.....EKIAC  
44-82.....EKIAD  
44-83.....EKIAE  
44-84.....EKIAF

### CLASS 45 K

45 κ 1.....ADNIS  
45 κ 5.....ADNOT  
45 κ 11.....ADNUV  
45 κ 21.....ADNYW  
45 κ 25.....ADPAS  
45 κ 37.....ADPIV  
45 κ 41.....ADPOW  
45 κ 42.....ADPUX  
45 κ 48.....ADRAT  
45 κ 50.....ADREV  
45 κ 52.....ADRIW  
45 κ 53.....ADROX  
45 κ 56.....ADSAV  
45 κ 58.....ADSEW  
45 κ 63.....ADSIX  
45 κ 66.....ADTAW  
45 κ 67.....ADTEX  
45 κ 69.....ADTUB  
45 κ 70.....ADTYC  
45 κ 72.....ADVEZ  
45 κ 74.....ADVUC  
45 κ 80.....AFBIG  
45 κ 82.....AFBUJ  
45 κ 84.....AGCAG

### CLASS 46

46-100.....EKIAM

### CLASS 46 K

46 κ 1.....AFCEG  
46 κ 2.....AFCIH

46 κ 15.....AFCOJ

46 κ 30.....AFFAH  
46 κ 34.....AFFUM  
46 κ 35.....AFGAK

46 κ 38.....AFHYR

46 κ 40.....AFGEL  
46 κ 41.....AFGIM

### CLASS 47 K

47 κ 5.....AFJOP

### CLASS 49 K

49 κ 1.....AFMAP  
49 κ 2.....AFMER  
49 κ 3.....AFMIS  
49 κ 4.....AFMOT

### CLASS 51

51-1.....EKJAS  
51-2.....EKJET  
51-3.....EKJOW  
51-4.....EKJUX  
51-6.....EKKAT  
51-7.....EKKEV  
51-8.....EKKOX  
51-9.....EKKUZ  
51-10.....EKLAV

### CLASS 52

52-52.....EKVYM  
52-53.....EKVUJ  
52-54.....EKZAH  
52-55.....EKZEJ  
52-56.....EKZIK  
52-57.....EKZIL  
52-58.....EKZIM  
52-59.....EKZIN  
52-60.....EKZIO  
52-62.....EKZIR

52-66.....EKZIV  
52-67.....EKZIW

52-73.....EKZOC  
52-74.....EKZOD  
52-75.....EKZOL  
52-76.....EKZOM  
52-77.....EKZYP  
52-78.....ELBAB  
52-79.....ELBAC  
52-80.....ELBAD

### CLASS 53

53-1.....ELBAL  
53-3.....ELBIN

### CLASS 55

55-3.....ELCOP  
55-4.....ELCUR  
55-5.....ELCYS  
55-6.....ELCYT



## TELEGRAPHIC CODE

### CLASS 56

56-4.....ELFEP  
 56-13.....ELFOS  
 56-14.....ELFUT

### CLASS 57

57-2.....ELHAS  
 57-3.....ELHET  
 57-4.....ELHIV  
 57-14.....ELHOW

### CLASS 58

58-11.....ELLAG  
 58-12.....ELLIZ  
 58-14.....ELLYC

### CLASS 59

59-1.....ELKYB

### CLASS 62

62-25.....ELMUC  
 62-26.....ELNAZ  
 62-27.....ELMYD  
 62-28.....ELNIB  
 62-29.....ELNOC  
 62-31.....ELPAB  
 62-32.....ELPEC

62-35.....ELPUF  
 62-38.....ELROF  
 62-39.....ELRUG  
 62-40.....ELSAD  
 62-41.....ELSIF  
 62-43.....ELSUH  
 62-45.....ELTIG  
 62-46.....ELTOH  
 62-47.....ELTUJ  
 62-48.....ELTYK  
 62-50.....ELVEG  
 62-51.....ELVOJ  
 62-53.....ELZAJ  
 62-54.....ELZEK  
 62-55.....ELZIL  
 62-56.....ELZOM  
 62-57.....EMBAM  
 62-58.....EMBAO  
 62-61.....EMBAS

### CLASS 63

63-5.....EMBOP  
 63-6.....EMBUR

### CLASS 66

66-4.....EMBYO  
 66-5.....EMBYS  
 66-6.....EMCEO  
 66-13.....ERBAP

### CLASS 68

68-1.....EMCYT  
 68-6.....EMDIR  
 68-7.....EMDOS  
 68-9.....EMDUT  
 68-10.....EMFAP  
 68-11.....EMFER  
 68-12.....EMFIS  
 68-14.....EMFOT  
 68-15.....EMFUV  
 68-16.....EMGAS  
 68-18.....EMGIV  
 68-19.....EMGOW  
 68-20.....EMGUX  
 68-21.....EMGYZ  
 68-22.....EMHAT  
 68-23.....EMHEV  
 68-24.....EMHOX  
 68-25.....EMHUZ  
 68-27.....EMJEW  
 68-29.....EMJOZ  
 68-30.....EMKAW  
 68-31.....EMKEX  
 68-32.....EMKIZ  
 68-33.....EMKUB  
 68-35.....EMLAX  
 68-38.....ESBAE



# TELEGRAPHIC CODE

## CLASS 69

69-5.....EMLEZ  
69-6.....EMLOB  
69-7.....EMLUC  
69-8.....EMLYD  
69-9.....EMMAZ  
69-10.....EMMIB  
69-11.....EMMOC  
69-12.....EMMUD  
69-14.....EMNIC  
69-15.....EMNOD  
69-16.....EMPAC  
69-17.....EMPED  
69-18.....EMPIE  
69-19.....EMPOF  
69-20.....EMPUG  
69-21.....EMPYH

## CLASS 82

82-3.....ENOSO  
82-4.....ENOAR  
  
82-10.....ENSHI  
82-11.....ENSKO  
  
82-20.....ENULS  
82-22.....ENUNO

## CLASS 78

78-1.....ENGEN  
78-2.....ENGOL  
78-3.....ENGUZ

## CLASS 85

85-1.....EPFAS  
85-2.....EPFET  
  
85-10.....EPGYB

## CLASS 81

81-1.....ENKEZ  
81-2.....ENKFA  
81-3.....ENKLE  
81-4.....ENKYD  
81-5.....ENLAZ  
81-6.....ENLER  
81-7.....ENLIA  
81-8.....ENLOB  
81-9.....ENLUG  
81-10.....ENNIL  
81-11.....ENNKO  
81-12.....ENNLY  
81-13.....ENNOP  
81-14.....ENNGE  
  
81-16.....ENNYG

## CLASS 86

86-3.....EPJEZ  
  
86-12.....EPMAB  
86-13.....EPMEC

## CLASS 75

75-1.....ENCOS  
75-3.....ENCUT  
75-4.....ENDAP  
75-5.....ENDER

81-20.....ENOFT  
81-21.....ENOBA

## CLASS 76

76-1.....ENFIT



# TELEGRAPHIC CODE

## CLASS 87

87-1.....EPNED

## CLASS 96

96-3.....ERJOC

## CLASS 92

92-1.....EPTIK  
92-2.....EPTOL  
92-3.....EPTUM  
92-4.....EPTYN  
92-5.....EPVAJ  
92-6.....EPVAM

96-10.....ERKUL  
96-12.....ERLAB  
96-13.....ERLCU  
96-14.....ERLEC  
96-15.....ERLFY  
96-16.....ERLID  
96-18.....ERMAD

## CLASS 97

97-6.....ERMYJ  
97-7.....ERMYK  
97-8.....ERMYL  
97-9.....ERMYO  
97-10.....ERMYP

## CLASS 94

94-2.....ERFEZ  
94-10.....ERFIK

## CLASS 98

98-3.....ERNHE

## CLASS 95

95-1.....ERFOX  
95-10.....ERHOB  
95-11.....ERHUC  
95-12.....ERHYD







# TELEGRAPHIC CODE

## CLASS 114

114-21.....ERYAZ  
114-25.....ERYAS  
114-26.....ERYAR  
114-27.....ERYAQ  
114-28.....ERYAP  
114-29.....ERYAO  
114-30.....ERYAN  
114-31.....ERYAM

## CLASS 117

117-2.....ESAIC

## CLASS 112

112-1.....ERXUL  
112-4.....ERDAS

## CLASS 119

119-2.....ESAMC  
119-3.....ESALC

## CLASS 122

122-1.....ESAPC

## CLASS 115

115-1.....FAMRO  
115-2.....FAMSU

## CLASS 123

123-1.....ESARC

115-13.....FAMTA

## CLASS 124

124-1.....ESATC

## CLASS 116

116-2.....ESAEC

## CLASS 125

125-2.....ESAXC



# TELEGRAPHIC CODE

## CLASS 127

127-3.....FAPOR  
127-4.....FAREK

127-13.....FARJE

## CLASS 128

128-3.....FAMWE  
128-4.....FAMYS

128-13.....FASES

## CLASS 146

146-1.....ESCAD  
146-3.....ESCAF  
146-4.....ESCAG  
146-5.....ESCAH  
146-6.....ESCAI  
146-7.....ESCAJ  
146-8.....ESCAK  
146-9.....ESCAL  
146-10.....ESCAM  
146-11.....ESDAJ  
146-12.....ESDAK  
146-13.....ESDAL  
146-14.....ESDAM  
146-15.....ESDAN  
146-16.....ESDAO

146-51.....ESCAN  
146-53.....ESCAP  
146-54.....ESCAR  
146-55.....ESCAS  
146-56.....ESCAT  
146-57.....ESCAU  
146-58.....ESCAV  
146-59.....ESCAW  
146-60.....ESCAX  
146-61.....ESCAY  
146-62.....ESCAZ  
146-63.....ESDAE  
146-64.....ESDAF  
146-65.....ESDAG  
146-66.....ESDAH

## CLASS 147

147-1.....ESFAC  
147-2.....ESFAD  
147-3.....ESFAG  
147-4.....ESFAH

147-20.....ESFAP  
147-22.....ESFAS  
147-23.....ESFAT  
147-24.....ESFAU  
147-25.....ESFAW  
147-26.....ESFAY  
147-27.....ESFAZ  
147-28.....ESHAB

147-35.....ESHAY

Insert for Form 8800 in place of corresponding leaf. (June, 1927).

PRINTED IN U. S. A.



# TELEGRAPHIC CODE

## CLASS 148

148-1.....ESGAB  
 148-2.....ESGAC  
 148-3.....ESGAD  
 148-4.....ESGAE  
 148-5.....ESGAH  
 148-6.....ESGAJ

## CLASS 149

149-2.....ESGAP

## CLASS 151

151-1.....ESGAV  
 151-2.....ESGAW



# LIST OF MACHINES TO ORDER IN PLACE OF MACHINES CANCELLED

## IMPORTANT NOTICE

LAP BEAM FEEDERS, MULTIPLE CORDERS, SPECIAL HEELERS, BINDERS, FOLDERS AND OTHER ATTACHMENTS, EXCEPT WHEN COVERED BY THE DESCRIPTION OF THE MACHINE, MUST BE SPECIFIED ON ORDER.

WHEN AN ATTACHMENT IS ORDERED SEPARATELY, THE CLASS AND VARIETY NUMBER OF THE MACHINE FOR WHICH IT IS INTENDED MUST BE GIVEN; ALSO THE GAUGE OR DISTANCE BETWEEN NEEDLES, IF THE MACHINE HAS MORE THAN ONE NEEDLE.

SAMPLES OF THE MATERIAL AND THREAD TO BE USED MUST BE SENT WITH SUCH ORDERS, AND WHEN POSSIBLE SPECIMENS OF THE FINISHED WORK AND INFORMATION AS TO WHETHER THE BODY OR MASS OF THE GOODS IS TO PASS AT THE RIGHT OR LEFT OF THE NEEDLES, SO THAT PRACTICAL TESTS CAN BE MADE AT THE FACTORY BEFORE SHIPMENT OF THE MACHINE OR ATTACHMENT.

WHERE THERE IS LIKELY TO BE ANY QUESTION AS TO WHICH SIDE OF THE FINISHED SAMPLE IS THE TOP SIDE IN BEWING OR HOW THE WORK SHOULD BE FED TO THE MACHINE, THIS INFORMATION SHOULD BE PLAINLY INDICATED ON THE FINISHED SAMPLE.

ATTACHMENTS OR FITTINGS WITH REGULAR NUMBERS SHOULD BE CHECKED WITH THE DESCRIPTION IN THE NUMERICAL LIST TO INSURE SUPPLYING ALL DETAILS REQUIRED.

INATTENTION TO THE FOREGOING MEANS USELESS DELAY, WHICH IN TURN CAUSES EMBARRASSMENT TO THE CUSTOMER AND A POSSIBLE LOSS OF SALE.



LIST OF MACHINES TO ORDER IN PLACE  
OF MACHINES CANCELLED

## 👉 IMPORTANT NOTICE. 👈



LAP SEAM FELLERS, MULTIPLE CORDERS, SPECIAL HEMMERS, BINDERS, FOLDERS AND OTHER ATTACHMENTS, EXCEPT WHEN COVERED BY THE DESCRIPTION OF THE MACHINE, MUST BE SPECIFIED ON ORDER.

WHEN AN ATTACHMENT IS ORDERED SEPARATELY, THE CLASS AND VARIETY NUMBERS OF THE MACHINE FOR WHICH IT IS INTENDED MUST BE GIVEN; ALSO THE GAUGE OR DISTANCE BETWEEN NEEDLES, IF THE MACHINE HAS MORE THAN ONE NEEDLE.

SAMPLES OF THE MATERIAL AND THREAD TO BE USED MUST BE SENT WITH SUCH ORDERS, AND WHEN POSSIBLE SPECIMENS OF THE FINISHED WORK AND INFORMATION AS TO WHETHER THE BODY OR MASS OF THE GOODS IS TO PASS AT THE RIGHT OR LEFT OF THE NEEDLES, SO THAT PRACTICAL TESTS CAN BE MADE AT THE FACTORY BEFORE SHIPMENT OF THE MACHINE OR ATTACHMENT.

WHERE THERE IS LIKELY TO BE ANY QUESTION AS TO WHICH SIDE OF THE FINISHED SAMPLE IS THE TOP SIDE IN SEWING OR HOW THE WORK SHOULD BE FED TO THE MACHINE, THIS INFORMATION SHOULD BE PLAINLY INDICATED ON THE FINISHED SAMPLE.

ATTACHMENTS OR FITTINGS WITH REGULAR NUMBERS, SHOULD BE CHECKED WITH THE DESCRIPTION IN THE NUMERICAL LIST TO INSURE SUPPLYING ALL DETAILS REQUIRED.

INATTENTION TO THE FOREGOING MEANS USELESS DELAY, WHICH IN TURN CAUSES EMBARRASSMENT TO THE CUSTOMER AND A POSSIBLE LOSS OF SALE.



## MACHINES OF CLASS 3

Bed 24 inches long; 16 inches clear space at right of needle. Will be fitted for mechanical power if so ordered.



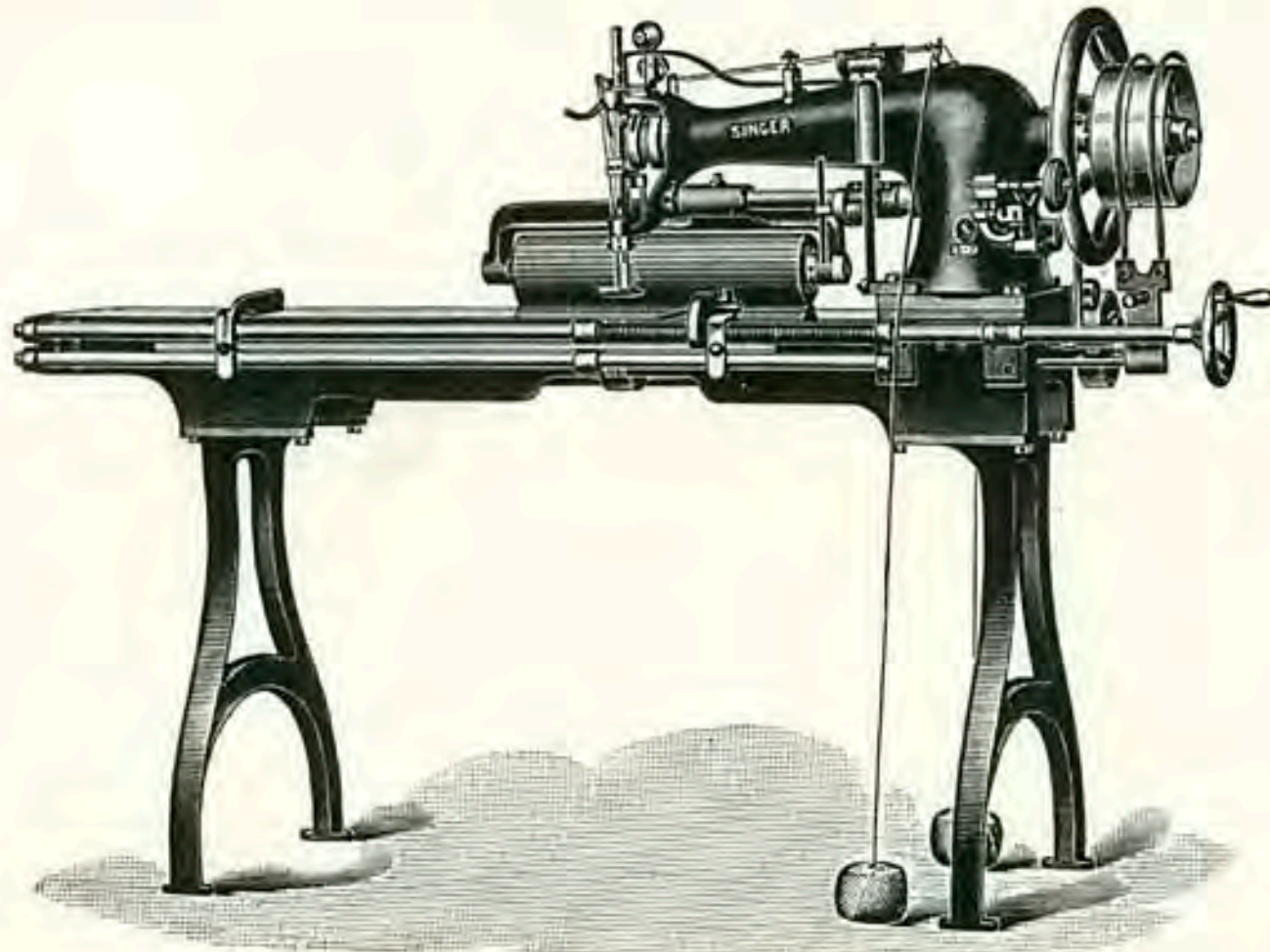
MACHINE No. 3-1 ON STAND No. 9466

NO.	DESCRIPTION	PRICE
3-1	<p>FOR STITCHING IN ENAMELED CLOTH, LIGHT LEATHER AND COARSE FABRICS; for carriage trimming, making heavy cushions, etc. Attachments can be furnished for making corded edges and other trimmings. Has large reciprocating shuttle No. 9307, wheel feed, vibrating presser and stand No. 9466. Balance wheel No. 9453. Driven by gears.....                      Speed 700. Cipher, EBBAC. See Form 9001.                      Weight in lbs., 100 net, 134 gross. Cubic meas., 6 ft. 6 in.</p>	



## MACHINES OF CLASS 5

For stitching canvas or rubber belts up to 34 inches in width and  $\frac{5}{8}$  inch in thickness.



MACHINE NO. 5-7

These heavy machines have bed plates  $67\frac{1}{2}$  inches long and the available clear space at the right of the needle is 17 inches. The work is moved forward between two corrugated feed rolls, one of which is adjustable for the thickness of the work. As regularly fitted the feed rolls are 20 inches long, but if so ordered the machines will be fitted with 32 inch feed rolls. The regular length of the stitch is  $\frac{5}{16}$  inch, but this can be changed to  $\frac{7}{16}$  inch at any time, if desired, and the machine can be fitted for longer stitches if so ordered.

While stitching, the belt passes forward between two edge guides, that are set for the width of the belt and fastened to a rod, which can be moved the required distance for each successive line of stitching; as described below some machines have screw guides, one complete turn of which moves the work  $\frac{1}{4}$  inch, and the others have guides fastened to sliding rods, and secured in position by spring catches. The distance between rows of stitching should be stated upon the order.

All machines of Class 5 have belt shifters and heavy iron legs. They are regularly furnished with a flat presser foot, but a roller presser will be substituted if so specified on the order. See Form 9002.

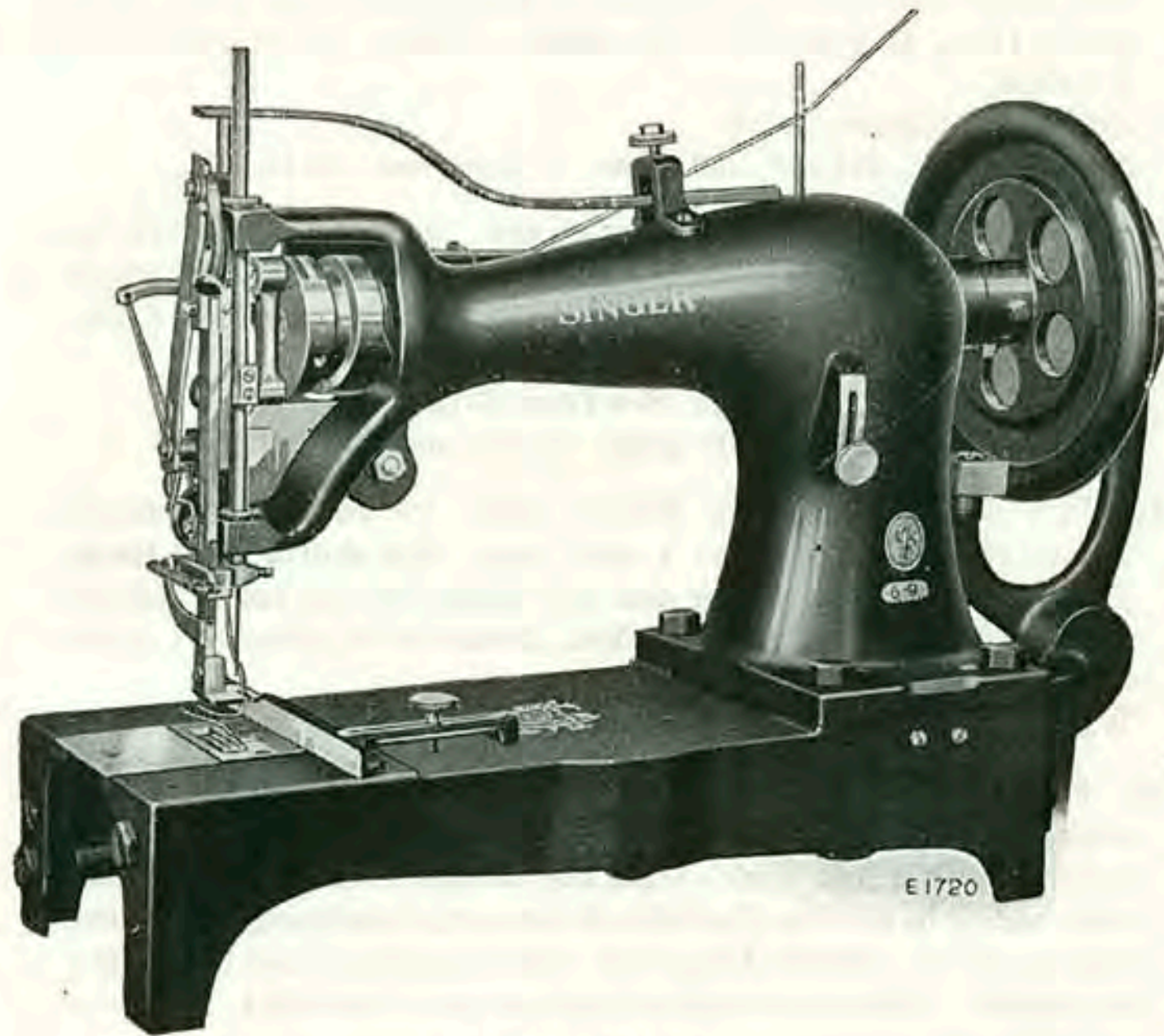
**These machines will be furnished with No. 14 needles unless otherwise ordered**

NO.	DESCRIPTION	PRICE
5-3	HAS SCREW GUIDE. Cylinder shuttle No. 43285. Balance wheel and pulley (tight) No. 16963. Diameter of pulley $8\frac{15}{16}$ inches. . . . . Speed 300. Cipher, EBCAD. Weight in lbs., 811 net, 1245 gross. Cubic meas., 53. ft. 9 in.	
5-7	HAS TWO NEEDLES, two cylinder shuttles Nos. 43275 and 43283; gauges from 1 to $1\frac{1}{2}$ inches. Screw guide. Balance wheel and pulley (tight) No. 16963. Diameter of pulley $8\frac{15}{16}$ inches. . . . . Speed 250. Cipher, EBCOG. Weight in lbs., 811 net, 1245 gross. Cubic meas., 53. ft. 9 in.	



## MACHINES OF CLASS 6

Bed plate 25 $\frac{1}{4}$  inches long; 14 inches clear space at right of needle.



MACHINE No. 6-9

For thick, heavy work in cloth, leather or paper. These machines are not suitable for foot power, but the different varieties are fitted for underdriver or with S. D. A., or belt shifter, as specified in the description of each machine.

The under thread is carried in an oscillating shuttle having long beak, which holds the loop of upper thread stationary while the eye of the needle rises through the goods; the upper thread, therefore, retains its full strength and both threads are firmly locked together in the centre of the thickness of the goods by the combined pull of the shuttle and the take-up, after the needle has risen. Machines Nos. 6-3 and 6-4 are regularly furnished with a flat presser, but a roller presser will be substituted if so specified on order. See Form 9003.

NO.	DESCRIPTION	PRICE
6-3	FOR CLOTH OR LEATHER UP TO $\frac{3}{4}$ INCH THICK. HARNESS, FLAT BELTING, ETC. Has Shuttle No. 19980. Drop feed and belt shifter for flat belt. Balance wheel and pulley (tight) No. 61504. Diameter of pulley $8\frac{7}{8}$ inches. . . . . Speed up to 400, according to the material being stitched. Cipher, EBFOJ. Weight in lbs., 207 net, 278 gross. Cubic meas., 10 ft. 8 in.	
6-4	FOR CLOTH OR LEATHER UP TO $\frac{3}{4}$ INCH THICK. HARNESS, FLAT BELTING, ETC. Has shuttle No. 19980. Drop feed and S. D. A. Balance wheel No. 64042. Pulley No. 8985, diameter 8 inches. . . . . Speed up to 400, according to the material being stitched. Cipher, EBFUH. Weight in lbs., 218 net, 288 gross. Cubic meas., 10 ft. 8 in.	



## MACHINES OF CLASS 6

NO.	DESCRIPTION	PRICE
6-8	<p>FOR QUILTING SWEAT PADS UP TO 1½ INCHES THICK. Has shuttle No. 19980. Drop feed, vibrating and assisting pressers, foot lifter and S. D. A. Balance wheel No. 64042. Pulley No. 8985, diameter 8 inches.....</p> <p>Speed 80. Cipher, EBGIK.</p> <p>Weight in lbs., 224 net, 299 gross. Cubic meas., 10 ft. 8 in.</p>	
6-9	<p>FOR STITCHING BLANK BOOKS, ETC., UP TO ¾ INCH THICK. Makes stitches from ¼ to 1 inch long. Has shuttle No. 19980. Drop feed, vibrating presser and S. D. A. Balance wheel No. 64049. Pulley No. 8985, diameter 8 inches.....</p> <p>Speed 200. Cipher, EBGOL. See Form 9313.</p> <p>Weight in lbs., 234 net, 311 gross. Cubic meas., 10 ft. 8 in.</p>	
6-10	<p>FOR STITCHING BLANK BOOKS, ETC., UP TO ¾ INCH THICK. Makes stitches from ¼ to 1 inch long. Has shuttle No. 19980. Drop feed, vibrating presser and belt shifter for flat belt. Balance wheel and pulley (tight) No. 61504. Diameter of pulley 8⅞ inches</p> <p>Speed 200. Cipher, EBGUM.</p> <p>Weight in lbs., 218 net, 288 gross. Cubic meas., 10 ft. 8 in.</p>	
6-12	<p>FOR STITCHING BUFF WHEELS FOR POLISHING. Makes circular rows of stitches ⅕ inch between rows, unless otherwise ordered, and in cotton goods up to 1 inch thick and 18 inches diameter. The buff is moved by hand from the finished row to the beginning of the next. Has shuttle No. 19980. Drop feed, vibrating presser and belt shifter for flat belt. Balance wheel and pulley (tight) No. 61504. Diameter of pulley 8⅞ inches.....</p> <p>Speed from 400 to 450. Cipher, EBHAJ.</p> <p>Weight in lbs., 215 net, 292 gross. Cubic meas., 14 ft. 3 in.</p>	
6-14	<p>FOR BUFF WHEELS UP TO ⅝ INCH THICK AND 18 INCHES DIAMETER. Makes circular rows of stitching from ¼ to ½ inch between the lines of stitching as ordered, and automatically changes from the finished row to beginning of the next, the buff being completely stitched before stopping the machine. Has shuttle No. 19980. Drop feed, vibrating presser and S. D. A. Balance wheel No. 64042. Pulley No. 8985, diameter 8 inches.....</p> <p>Speed 200. Cipher, EBHEK.</p> <p>Weight in lbs., 248 net, 332 gross. Cubic meas., 14 ft. 3 in.</p> <p>See also Machine No. 7-32.</p>	
6-15	<p>FOR BUFF WHEELS UP TO ⅝ INCH THICK AND 18 INCHES DIAMETER. Makes circular rows of stitching from ¼ to ½ inch between the lines of stitching as ordered, and automatically changes from the finished row to beginning of the next, the buff being completely stitched before stopping the machine. Has shuttle No. 19980. Drop feed, vibrating presser and belt shifter for flat belt. Balance wheel and pulley (tight) No. 61504. Diameter of pulley 8⅞ inches</p> <p>Speed 200. Cipher, EBHIL.</p> <p>Weight in lbs., 238 net, 328 gross. Cubic meas., 14 ft. 3 in.</p>	



## MACHINES OF CLASS 6

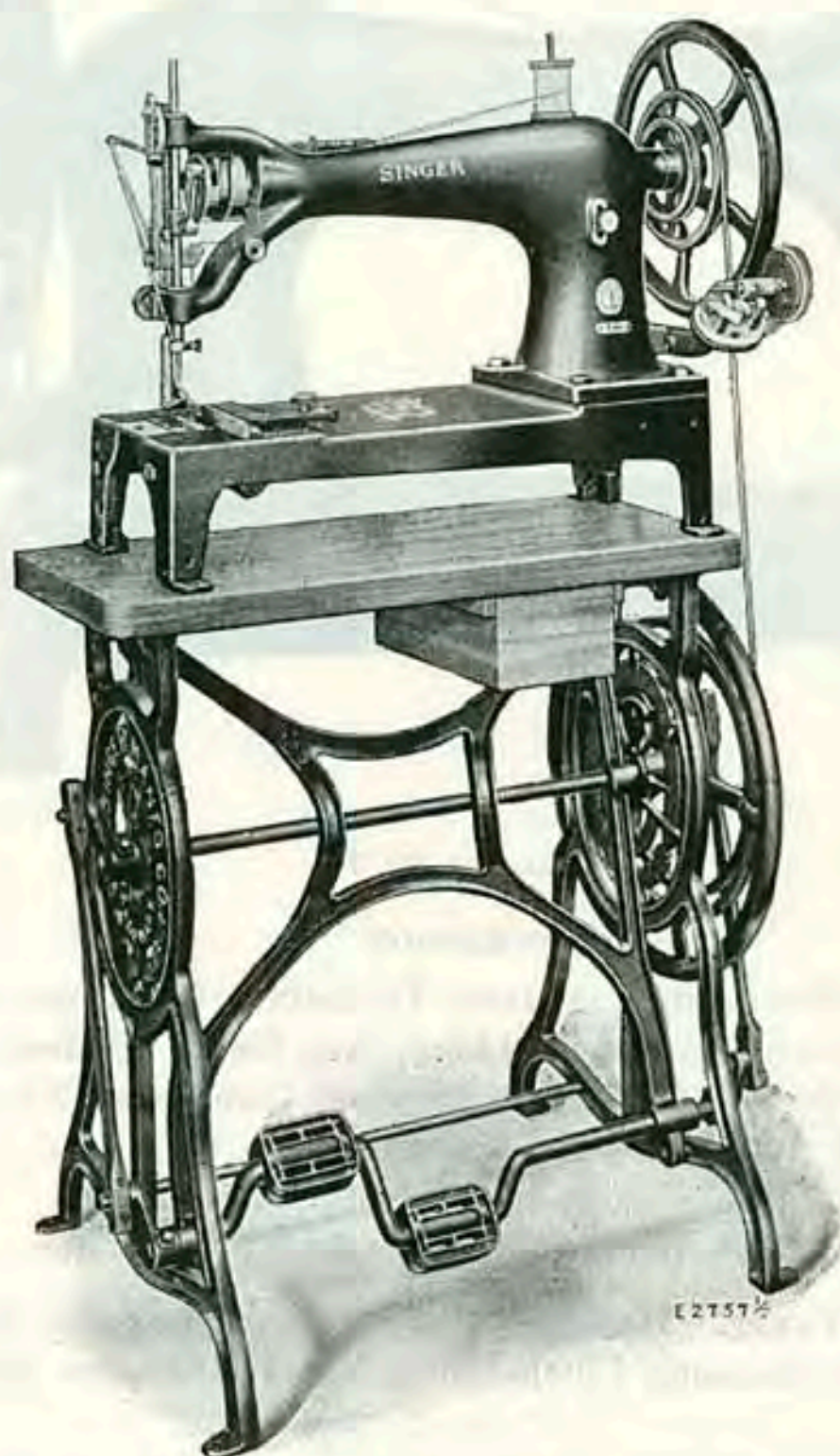
NO.	DESCRIPTION	PRICE
<b>6-16</b>	<p>FOR STITCHING BUFF WHEELS NOT MORE THAN <math>\frac{3}{4}</math> INCH THICK AND 18 INCHES IN DIAMETER. Has attachment underneath the bed for making spiral rows of stitching from <math>\frac{1}{4}</math> to <math>\frac{1}{2}</math> inch apart (in sixteenths) as ordered. Drop feed, vibrating presser, 3 inch cylinder shuttle No. 19980 and belt shifter. Balance wheel and pulley (tight) No. 61504. Diameter of pulley <math>8\frac{7}{8}</math> inches.....</p> <p>Speed from 400 to 450. Cipher, EBHOM.</p> <p>Weight in lbs., 237 net, 329 gross. Cubic meas., 15 ft. 1 in.</p>	
<b>6-17</b>	<p>FOR STITCHING BUFF WHEELS NOT MORE THAN <math>\frac{3}{4}</math> INCH THICK AND 20 INCHES IN DIAMETER. Has attachment underneath the bed for making spiral rows of stitching from <math>\frac{1}{4}</math> to <math>\frac{1}{2}</math> inch apart (in sixteenths) as ordered. Drop feed, vibrating presser, 3 inch cylinder shuttle No. 19980 and S. D. A. Balance wheel No. 64042. Pulley No. 8985, diameter 8 inches.....</p> <p>Speed from 400 to 450. Cipher, EBHUN.</p> <p>Weight in lbs., 248 net, 328 gross. Cubic meas., 11 ft. 5 in.</p>	

NOTE. This is the 6-16 Machine with S. D. A.



## MACHINES OF CLASS 7

Bed plate  $25\frac{1}{4}$  inches long except as otherwise specified. Clear space at right of needle  $15\frac{7}{8}$  inches. Oscillating long beak shuttles.

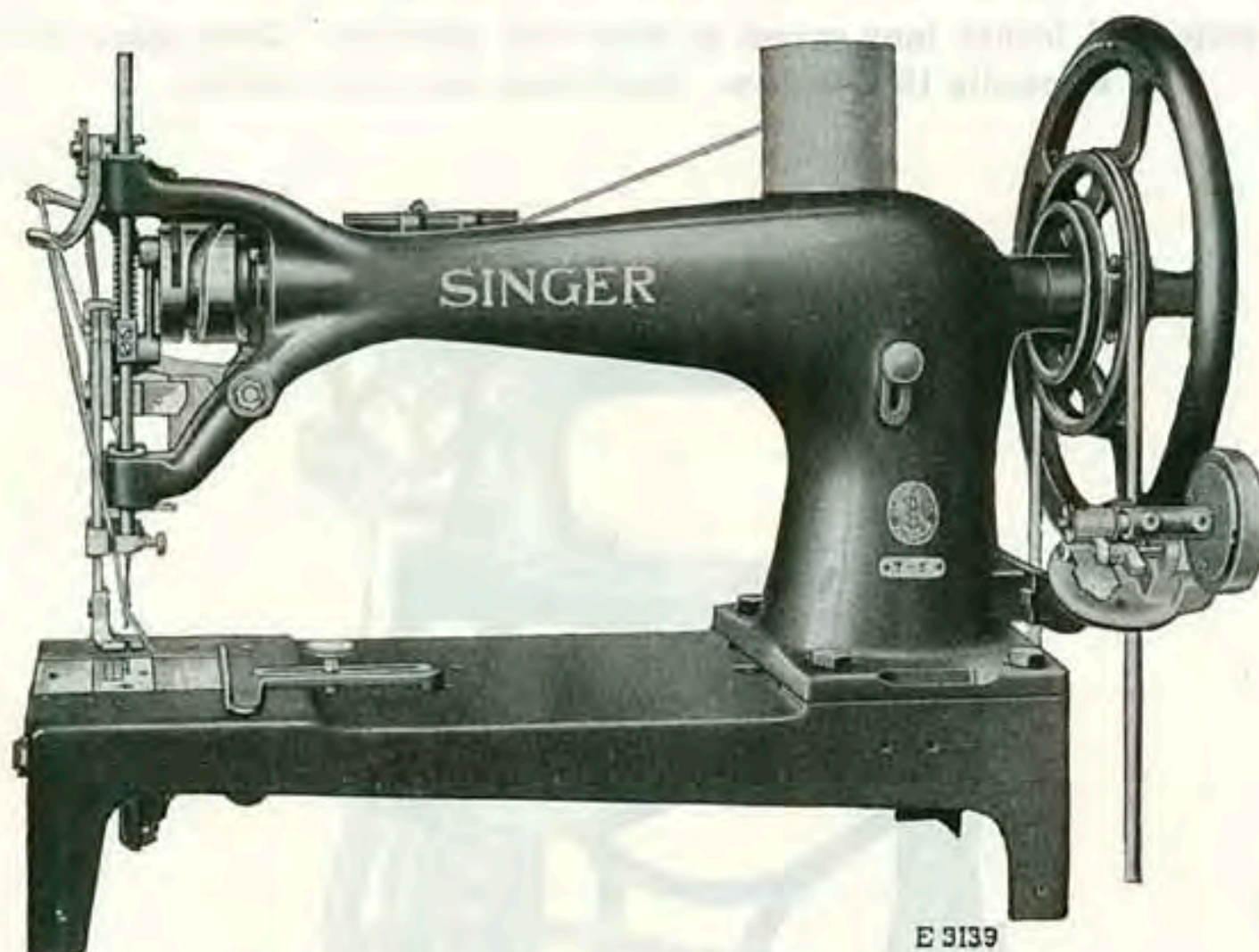


MACHINE NO. 7-1 ON TABLE NO. 5201 AND STAND NO. 25207  
(For List Price of Table and Stand see Form 8801)

Machines Nos. 7-1 and 7-5 are fitted for the foot power stand only. Nos. 7-10, 7-16, 7-33, 7-34 and 7-35 are regularly fitted for mechanical power but can be used on foot power stand if so ordered. All Machines of Class 7 are so constructed as to enable them to do satisfactory work in either cloth or leather of medium thickness and consistency. They are fitted for various specific purposes among which are carriage trimming, including welting and cording for heavy cushions; making canvas bags; plain stitching in canvas, such as sails, tents, tarpaulins, wagon covers, etc.; camel's hair strainers for chemicals and oils; book and pamphlet stitching; buff wheels for polishing, etc. The two needle, two shuttle machines are for two-line stitching in heavy material and are largely used for tarpaulins, wagon covers, canvas bags, awnings, tents, sails and other articles similar in quality of fabric. The distance between needles, or "gauge," must be specified upon orders for these machines, also the particulars of the work for which they are to be used. See Forms 9004, 9006 and 9399.



MACHINES OF CLASS 7



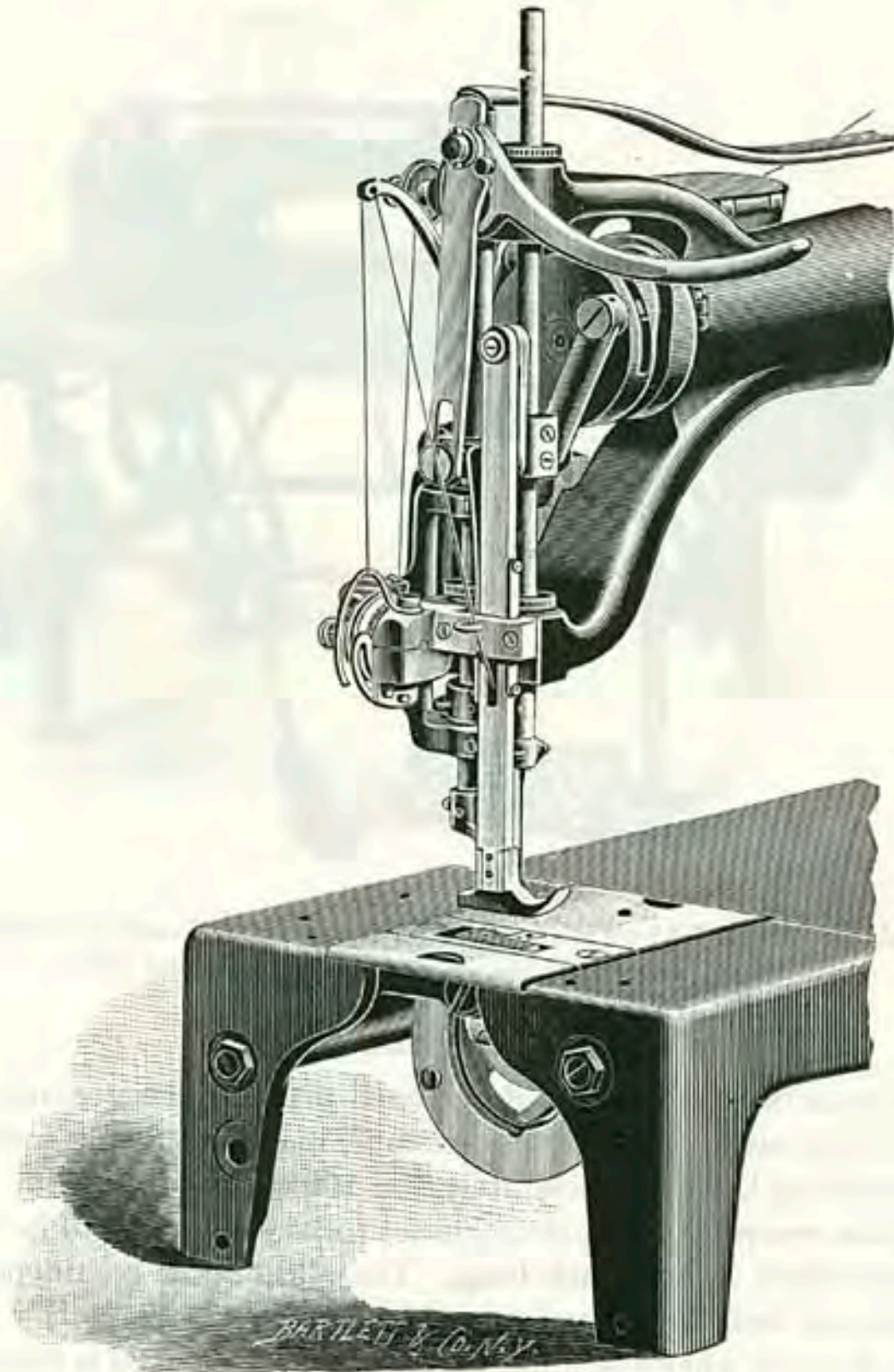
E 3139

MACHINE No. 7-5

NO.	DESCRIPTION	PRICE
7-1	FOR PLAIN STITCHING, CARRIAGE TRIMMING, CUSHIONS, SAILS, TENTS, ETC. Stitch $\frac{3}{32}$ to $\frac{1}{2}$ inch long, drop feed. For foot power stand. Has shuttle No. 19980. Balance wheel (two speed) No. 11358. Diameter of belt grooves $4\frac{1}{2}$ and $7\frac{1}{8}$ inches. . . . . Cipher, EBJIM. Weight in lbs., 129 net, 190 gross. Cubic meas., 8 ft. 7 in.	
7-3	FOR POWER TABLE. Has S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches, otherwise the same as Machine No. 7-1. . . . . Speed 700. Cipher, EBJYP. Weight in lbs., 153 net, 217 gross. Cubic meas., 8 ft. 10 in.	
7-5	FOR HEAVY BAGS, CARPET MITRES, LEATHER CASES, HORSE COLLARS, WAGON COVERS, PLUSH CUSHIONS, HARNESS, SAILS, TENTS, ETC. Stitch $\frac{3}{32}$ to $\frac{1}{2}$ inch long. Has shuttle No. 19980. Drop feed, vibrating presser foot. For foot power stand. Balance wheel (two speed) No. 11358. Diameter of belt grooves $4\frac{1}{2}$ and $7\frac{1}{8}$ inches Cipher, EBKAL. Weight in lbs., 135 net, 200 gross. Cubic meas., 8 ft. 7 in.	
7-7	FOR POWER TABLE. Has S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches, otherwise the same as Machine No. 7-5. . . . . Speed 500. Cipher, EBKIN. Weight in lbs., 156 net, 223 gross. Cubic meas., 8 ft. 10 in.	



## MACHINES OF CLASS 7

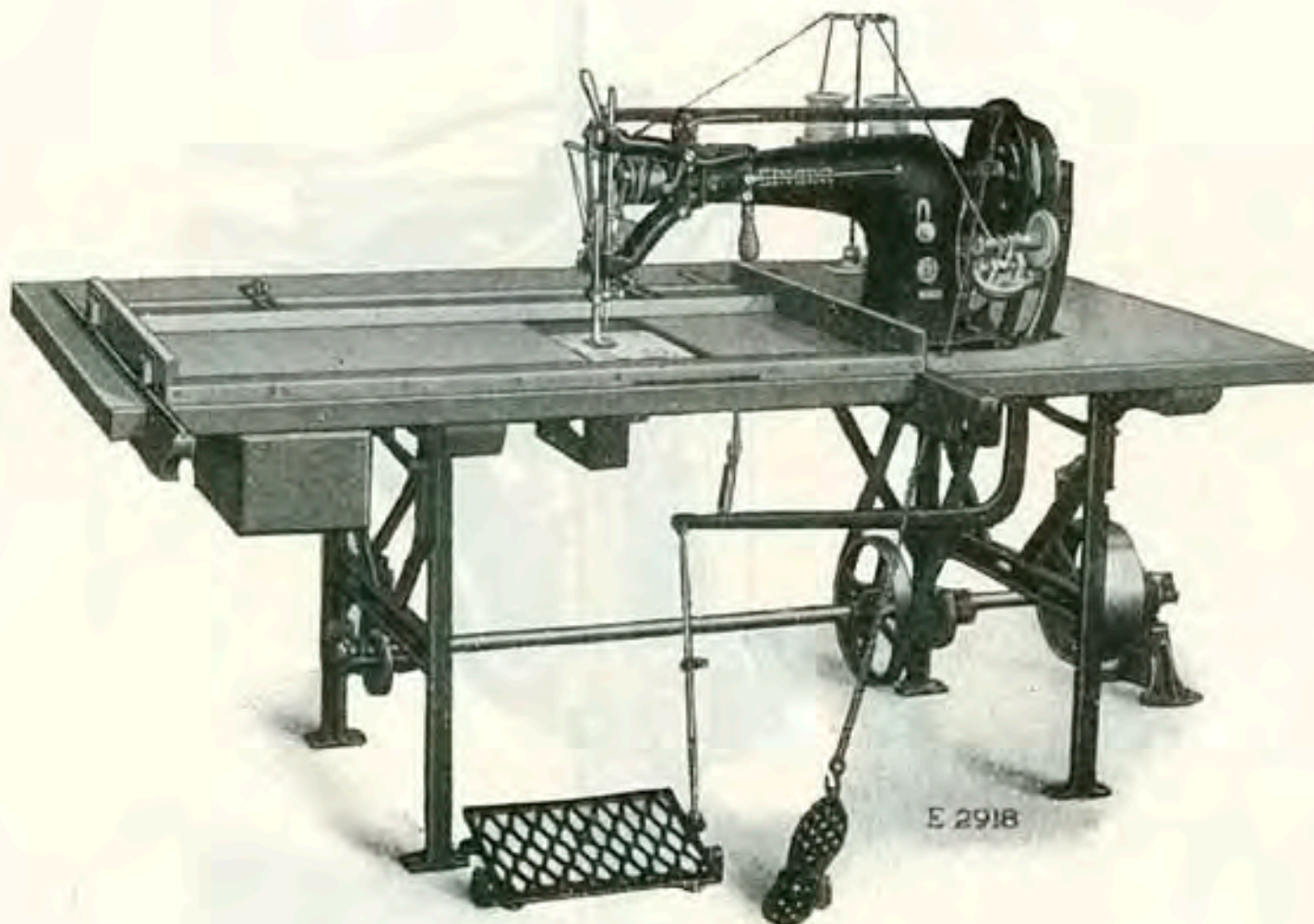


MACHINE No. 7-9

NO.	DESCRIPTION	PRICE
7-9	<p>FOR AWNINGS (INCLUDING BINDING) MAIL BAGS, RUGS, ROBES, CANVAS COVERS, HORSE COLLARS, TRACES, HASSOCKS, LIFE PRESERVERS, SAILS, STAIR PADS, TENTS, TOE PADS, ETC. Stitch <math>\frac{3}{32}</math> to <math>\frac{9}{16}</math> inch long. Has shuttle No. 19980, drop feed, alternating pressers and S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches. . . . .</p> <p>Speed 650. Cipher, EBKUP.</p> <p>Weight in lbs., 193 net, 268 gross. Cubic meas., 8 ft. 10 in.</p> <p>See also Machine No. 7-34.</p>	
7-10	<p>FOR EITHER CLOTH OR LEATHER, especially light harness, as ordered. Has shuttle No. 19980 and drop feed. The presser foot is quickly adjustable from vibrating to stationary and vice versa. Parts and attachments can be furnished at an additional charge for binding, folding and other operations in saddlery, harness, etc. Stitch <math>\frac{3}{32}</math> to <math>\frac{7}{16}</math> inch long. Balance wheel (two speed) No. 11517. Diameter of belt grooves <math>4\frac{5}{8}</math> and <math>7\frac{3}{8}</math> inches. See Parts Nos. 11576, 19656, 19658, 19659, 19660 and 19661. . . . .</p> <p>Speed 500. Cipher, EBKYR.</p> <p>Weight in lbs., 143 net, 208 gross. Cubic meas., 8 ft. 7 in.</p> <p>See also Machine No. 78-1.</p>	



MACHINES OF CLASS 7



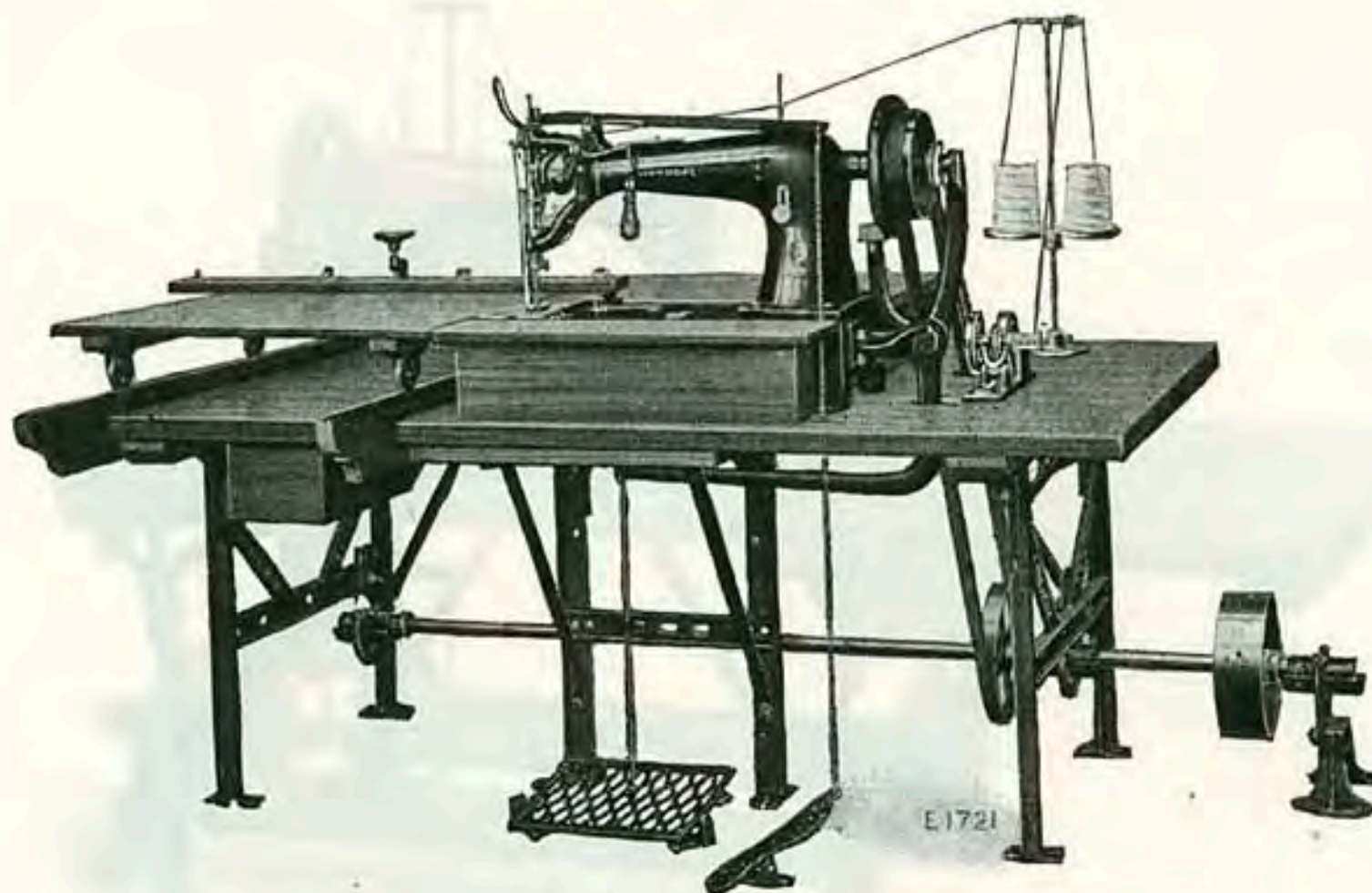
MACHINE NO. 7-11 ON TABLE NO. 5280 AND IRON WORK NO. 41160  
(For List Price of Table and Iron Work see Form 8801)

NO.	DESCRIPTION	PRICE
7-11	<p>FOR BOOKBINDING; for stitching each section or signature to a prepared strip, either single or continuous, making a firmly fastened and flat opening book. Has shuttle No. 19980 and drop feed. The machine has reversible feed, strip guides for style of strip to be used, and makes stitch <math>\frac{1}{4}</math> to 1 inch long. The stitching is commenced a short distance below the upper end of the section and the work moves backward; when the upper end is reached the feed is reversed, the needle enters the holes before made and the section is stitched down to the lower end; the feed is then again reversed and the stitching finished a short distance above the lower end. Has S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches. . . . . Speed 100. Cipher, EBLAM. See Form 9313. Weight in lbs., 172 net, 234 gross. Cubic meas., 8 ft. 10 in.</p>	

NOTE. The sliding table No. 5280, as shown above, or No. 5270, as shown on next page, which carry the work backward and forward as the sections are added, and the power iron work for each, are indispensable for this work. Table and iron work are not included in the price of machine.



## MACHINES OF CLASS 7

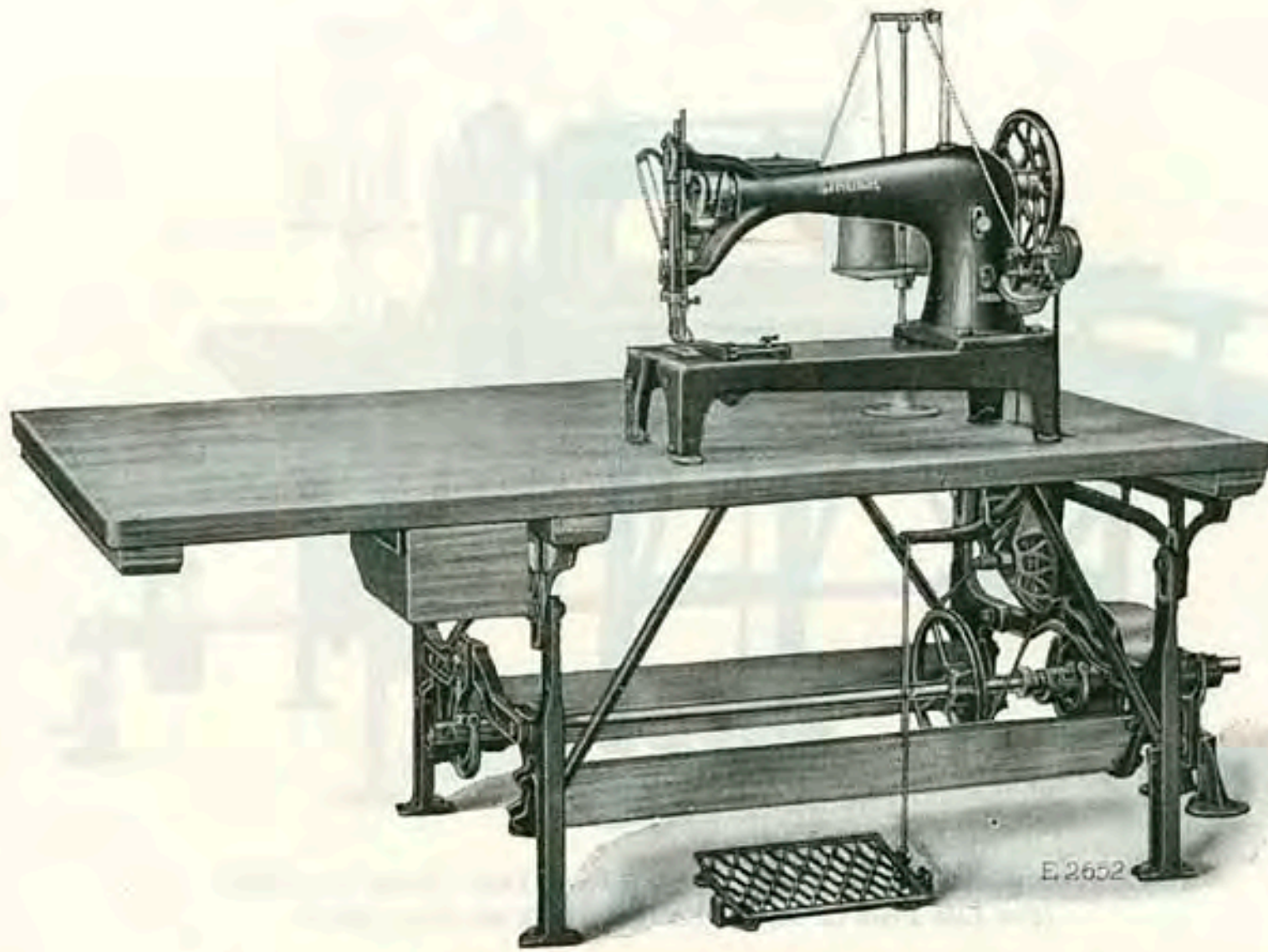


MACHINE NO. 7-11 ON TABLE NO. 5270 AND IRON WORK NO. 41050  
(For List Price of Table and Iron Work see Form 8801)

NO.	DESCRIPTION	PRICE
7-13	<p>FOR STITCHING PAMPHLETS AS THICK AS THE NEEDLE WILL PENETRATE OR ABOUT <math>\frac{3}{8}</math> INCH IN SOFT PAPER. Lift on presser foot <math>\frac{7}{16}</math> inch. Makes stitch from <math>\frac{5}{16}</math> to 1 inch long. Has shuttle No. 19980, drop feed, vibrating presser and S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches.....</p> <p>Speed 100. Cipher, EBLEN. See Form 9313.</p> <p>Weight in lbs., 162 net, 231 gross. Cubic meas., 8 ft. 10 in.</p>	
7-14	<p>FOR HARNESS AND OTHER WORK IN LEATHER NOT MORE THAN <math>\frac{5}{8}</math> INCH THICK. Makes "set" stitch by use of points on presser foot. Has presser feed point for <math>\frac{1}{8}</math> in. stitch; presser feed points for <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, <math>\frac{1}{10}</math> and <math>\frac{1}{12}</math> inch stitch can be furnished if so ordered at an extra cost. Has shuttle No. 19980, upper feed, foot lifter and S. D. A. Stitch <math>\frac{3}{2}</math> to <math>\frac{1}{4}</math> inch long. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches.....</p> <p>Speed 400. Cipher, EBLOP.</p> <p>Weight in lbs., 169 net, 239 gross. Cubic meas., 8 ft. 10 in.</p> <p>See also Machine No. 7-35.</p>	



MACHINES OF CLASS 7

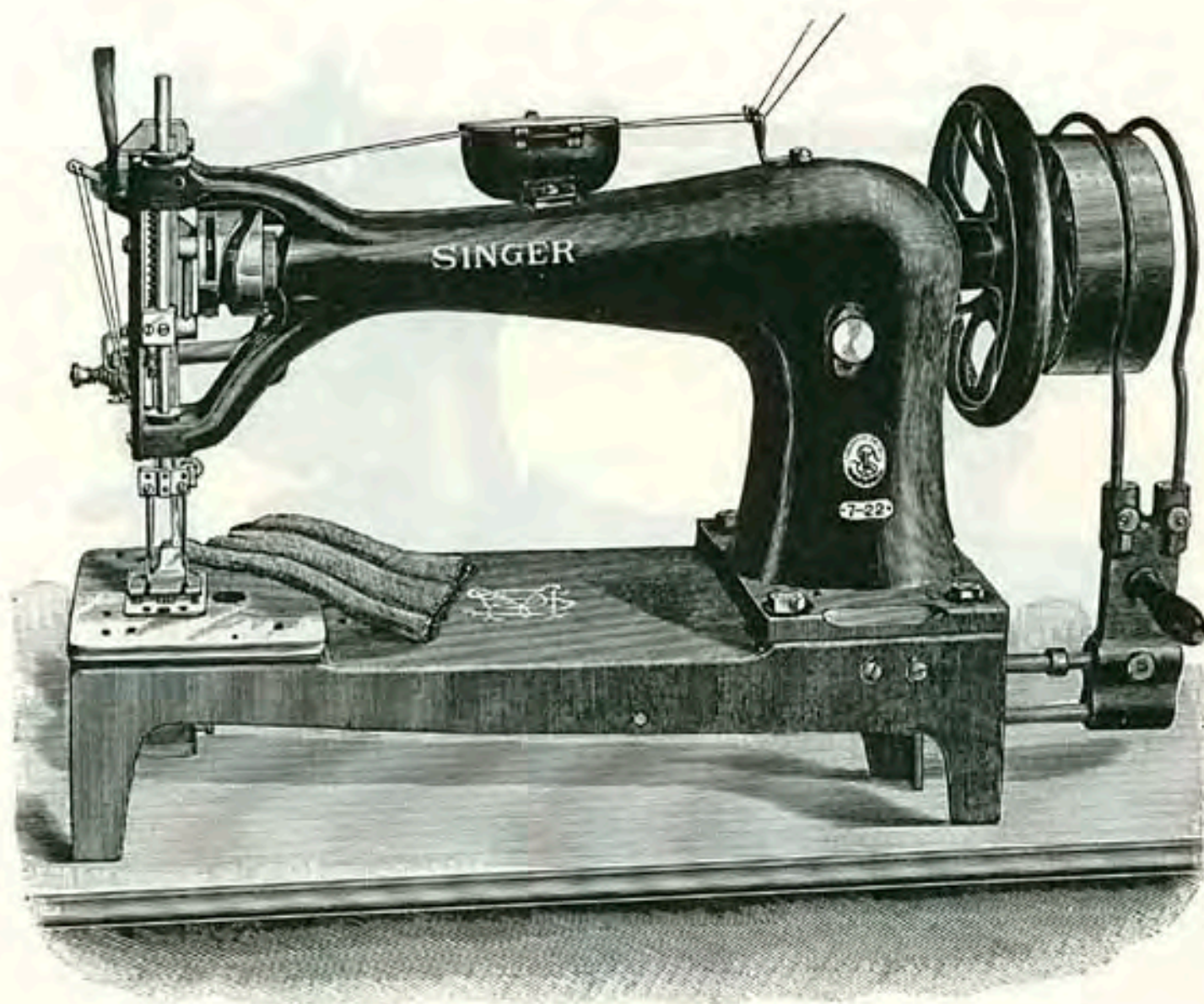


MACHINE NO. 7-16 ON TABLE NO. 5274 AND IRON WORK NO. 27251  
(For List Price of Table and Iron Work see Form 8801)

NO.	DESCRIPTION	PRICE
7-16	FOR STRAINERS MADE OF CAMEL'S HAIR for cotton seed oil. Fitted for $\frac{1}{8}$ to $\frac{1}{2}$ inch stitch, No. 14 needle and heavy thread. Has shuttle No. 58382 and drop feed. Balance wheel No. 11356 for underdriver. Diameter of belt groove $4\frac{1}{8}$ inches; or balance wheel (two speed) No. 11358 for foot power stand. Diameter of belt grooves $4\frac{1}{2}$ and $7\frac{1}{8}$ inches. . . . . Speed 250. Cipher, EBLYS. Weight in lbs., 122 net, 183 gross. Cubic meas., 8 ft. 7 in.	
7-17	HAS S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches, otherwise same as Machine No. 7-16. . . . . Speed 250. Cipher, EBMAN. Weight in lbs., 154 net, 221 gross. Cubic meas., 8 ft. 10 in.	



## MACHINES OF CLASS 7

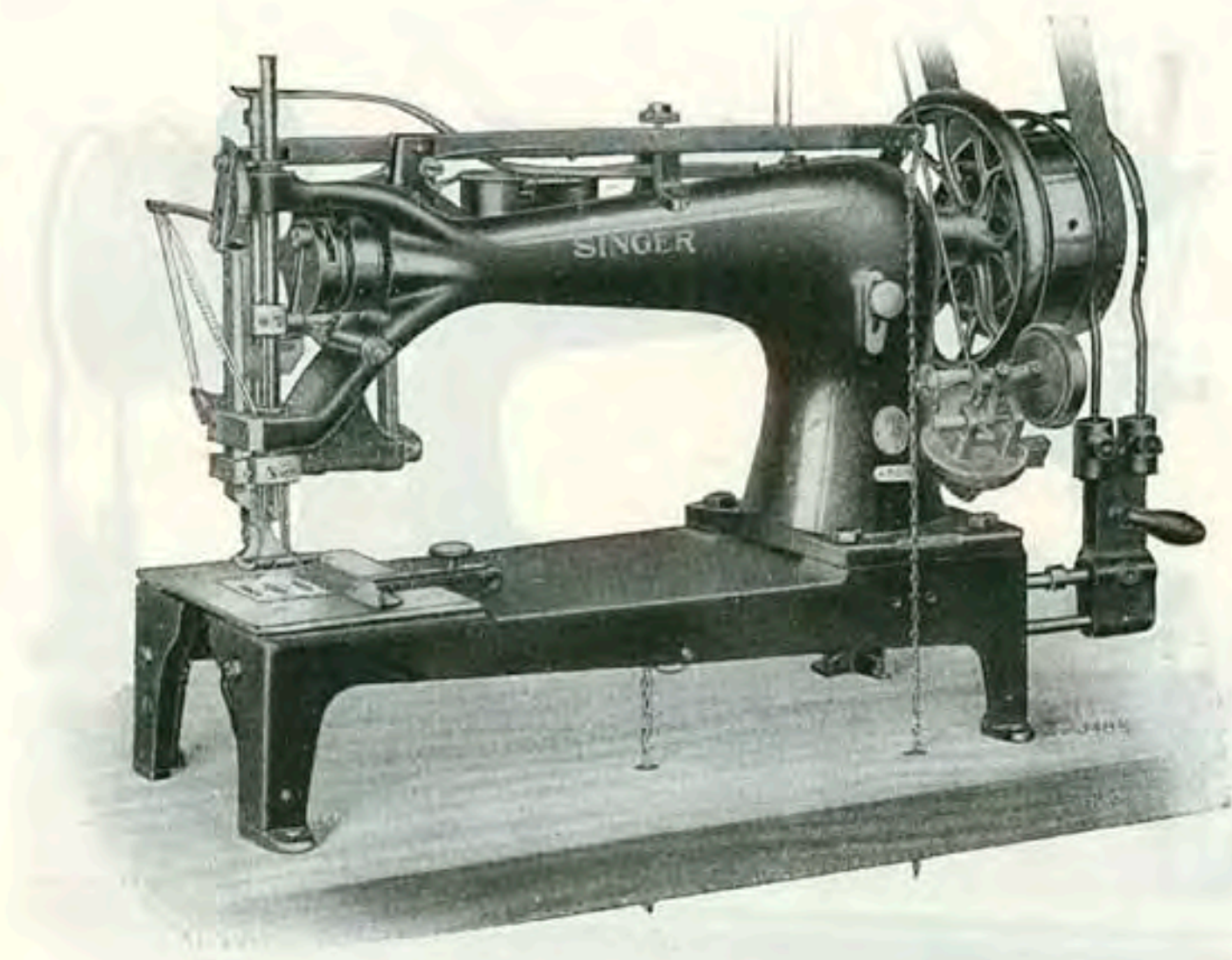


MACHINE No. 7-22

NO.	DESCRIPTION	PRICE
7-22	<p>HAS TWO NEEDLES, TWO CYLINDER SHUTTLES Nos. 19568 AND 19569; gauges from <math>\frac{3}{4}</math> to 1 inch. Can be furnished in gauges from 1 inch up to <math>1\frac{1}{2}</math> inches at an addition of \$55.00 to the regular selling price of the machine. Has drop feed, adjustable presser, either vibrating or stationary, and belt shifter. Balance wheel No. 11356. Pulley No. 11943, diameter 7 inches. . . . .</p> <p>Speed up to 500, according to the material being stitched.</p> <p>Cipher, EBNEP.</p> <p>Weight in lbs., 160 net, 224 gross. Cubic meas., 8 ft. 10 in.</p>	



MACHINES OF CLASS 7

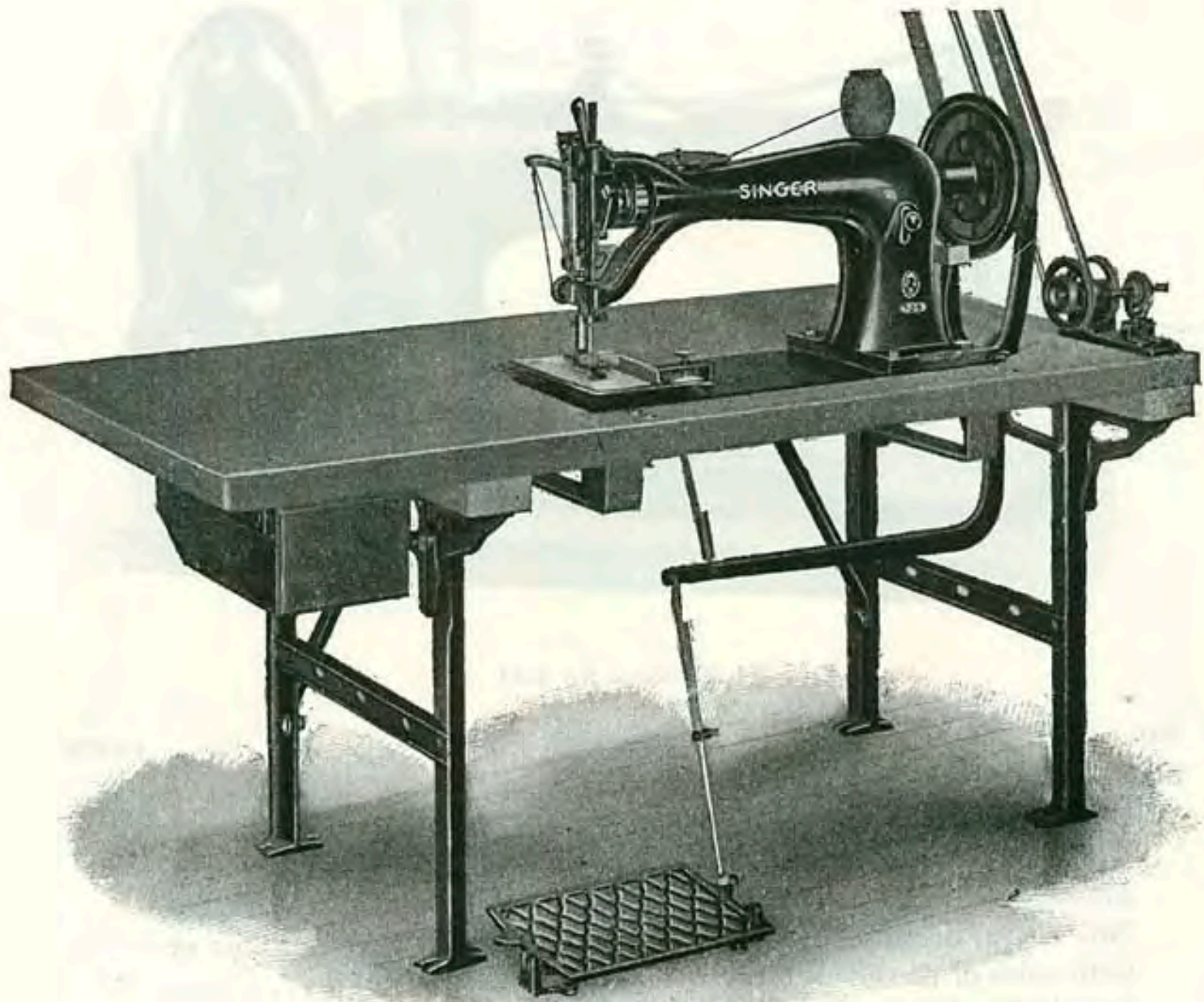


MACHINE No. 7-27

NO.	DESCRIPTION	PRICE
7-27	<p>HAS TWO NEEDLES, TWO CYLINDER SHUTTLES NOS. 19568 AND 19569; gauges <math>\frac{3}{4}</math> to 1 inch. Can be furnished in gauges from 1 inch up to <math>1\frac{1}{2}</math> inches at an addition of \$55.00 to the regular selling price of the machine. Independent upper and under feeds, each of which can be regulated as desired; foot lifter and belt shifter. Balance wheel No. 11356. Pulley No. 11943, diameter 7 inches.. Speed up to 500, according to the material being stitched. Cipher, EBPAP.</p> <p>Weight in lbs., 159 net, 222 gross. Cubic meas., 8 ft. 10 in.</p>	
7-28	<p>FOR NARROW GAUGES. HAS TWO NEEDLES, TWO BOX SHUTTLES Nos. 43277 and 43279, gauge as specified on order, from <math>\frac{3}{16}</math> to <math>\frac{11}{16}</math> inch. Drop feed, adjustable presser either vibrating or stationary and belt shifter. Balance wheel and pulley (tight) No. 19991. Diameter of pulley 7 inches..... Speed up to 500, according to the material being stitched. Cipher, EBPES.</p> <p>Weight in lbs., 192 net, 267 gross. Cubic meas., 8 ft. 10 in.</p>	



## MACHINES OF CLASS 7

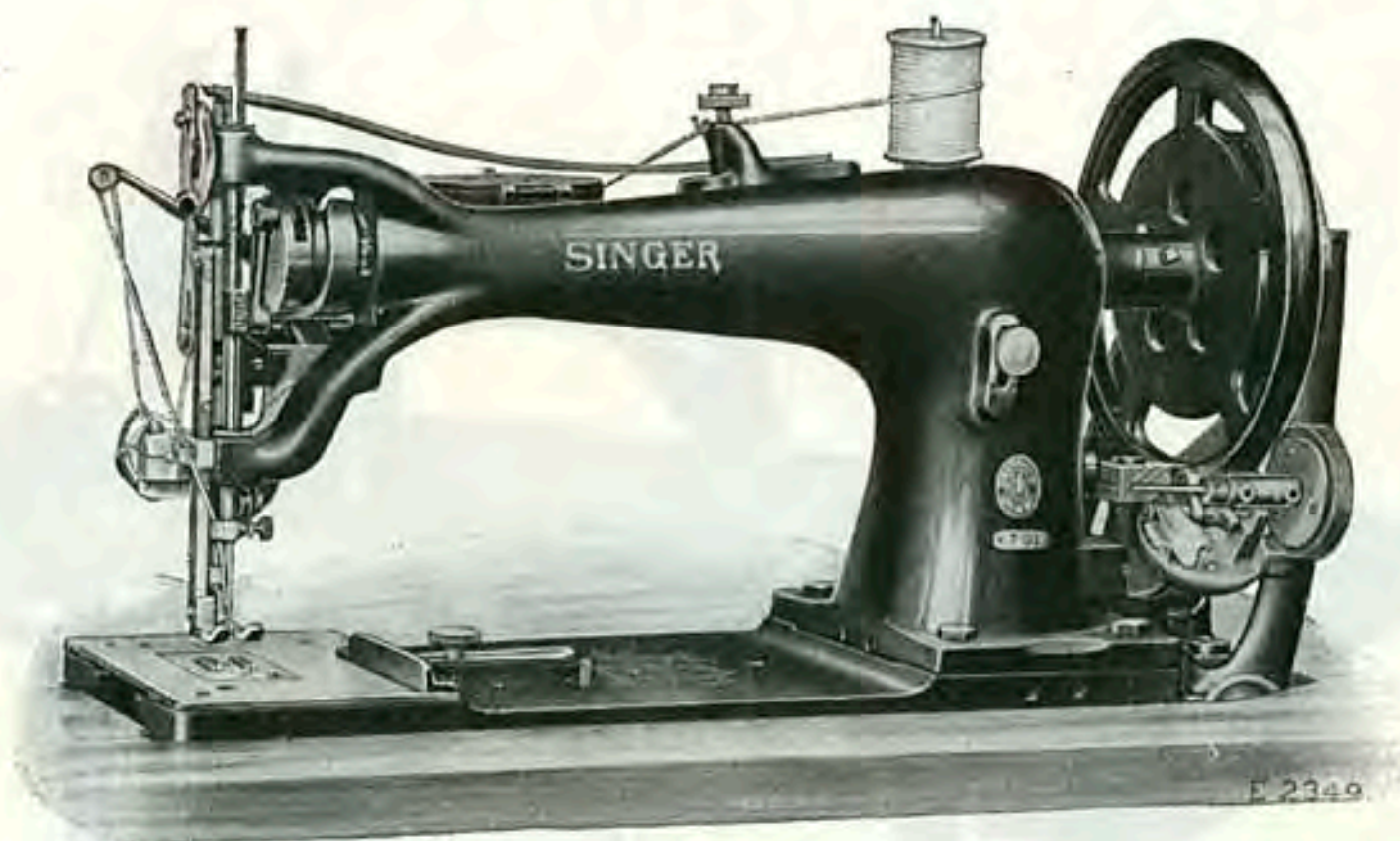


MACHINE NO. 7-29 ON TABLE NO. 5271 AND IRON WORK NO. 41133  
(For List Price of Table and Iron Work see Form 8801)

NO.	DESCRIPTION	PRICE
<b>7-29</b>	<p>FOR SAILS, AWNINGS, TENTS, WAGON COVERS AND OTHER HEAVY WORK. Stitch <math>\frac{1}{8}</math> to <math>\frac{1}{2}</math> inch long; has cylinder shuttle No. 43285, drop feed, hinged presser foot and S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches.....</p> <p>Speed 400. Cipher, EBPIT. See Form 9005.</p> <p>Weight in lbs., 160 net, 224 gross. Cubic meas., 8 ft. 10 in.</p> <p>See also Machine No. 7-31.</p>	



## MACHINES OF CLASS 7

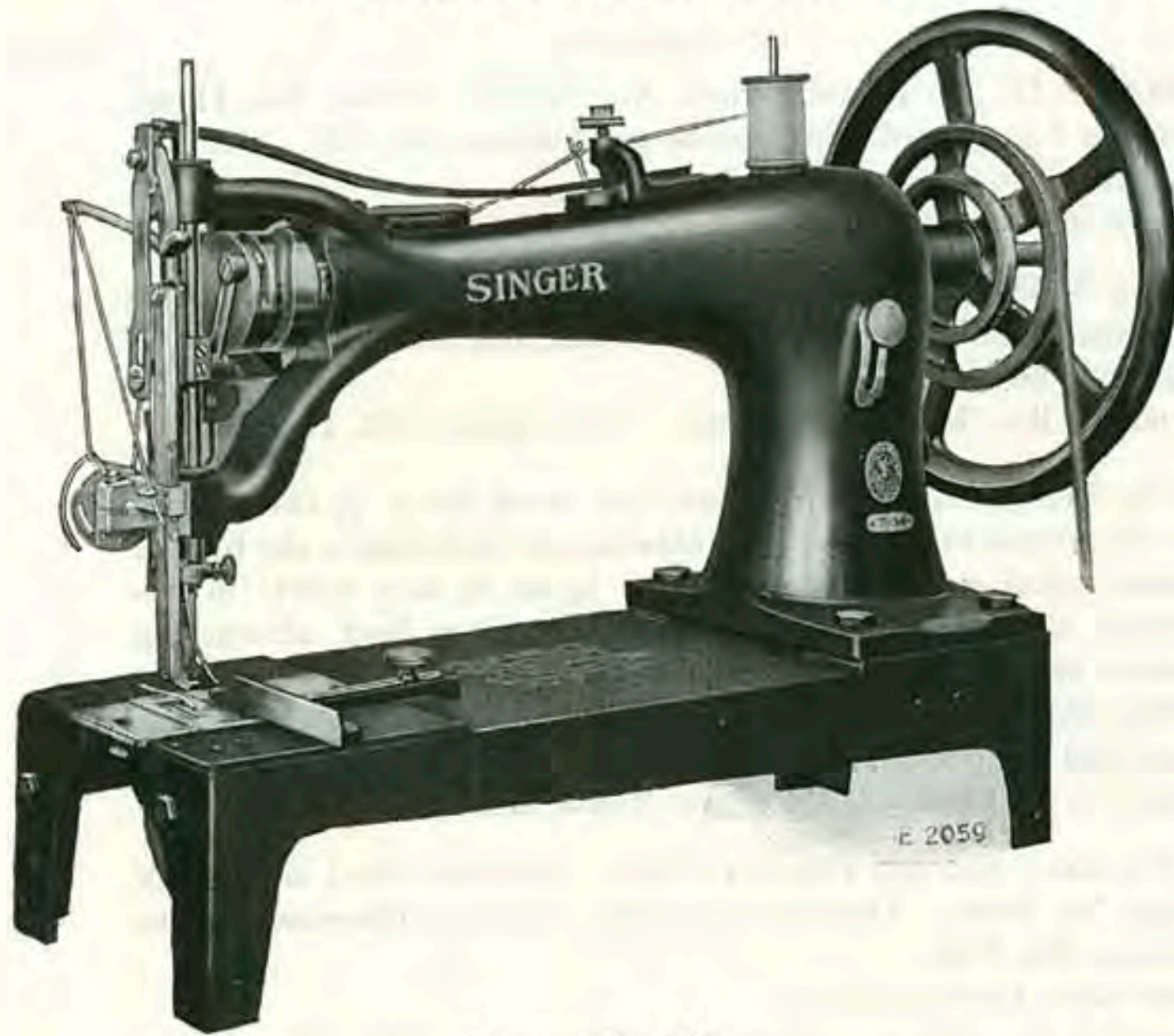


MACHINE NO. 7-31

NO.	DESCRIPTION	PRICE
7-31	<p>FOR SAIL WORK, TENTS, TARPAULINS, WAGON COVERS AND OTHER HEAVY WORK. Stitch <math>\frac{1}{8}</math> to <math>\frac{1}{2}</math> inch long. Has 4 inch high point shuttle No. 58323, drop feed, alternating pressers, <math>\frac{5}{8}</math> inch presser footlift and S. D. A. Balance wheel No. 58336. Pulley No. 11440, diameter 7 inches. Can be fitted with feed on one or both sides of needle as ordered.....</p> <p>Speed 550. Cipher, EBPYX. See Form 9160.</p> <p>Weight in lbs., 193 net, 268 gross. Cubic meas., 8 ft. 10 in.</p> <p>See also Machine No. 7-29.</p>	
7-32	<p>FOR STITCHING BUFF WHEELS NOT MORE THAN <math>\frac{3}{8}</math> INCH THICK AND 18 INCHES DIAMETER. Makes circular rows of stitching from <math>\frac{1}{4}</math> to <math>\frac{1}{2}</math> inch between the lines of stitching as ordered, and automatically changes from the finished row to the beginning of the next. Stitch <math>\frac{1}{8}</math> to <math>\frac{1}{16}</math> inch long. Has shuttle No. 19636, drop feed, alternating pressers and belt shifter. Balance wheel No. 11356. Pulley No. 11943, diameter 7 inches.....</p> <p>Speed 300. Cipher, EBRAS.</p> <p>Weight in lbs., 175 net, 264 gross. Cubic meas., 11 ft. 5 in.</p> <p>See also Machine No. 6-14.</p>	
7-33	<p>HAS BALANCE WHEEL No. 11356 for underdriver. Diameter of belt groove, <math>4\frac{1}{16}</math> inches; or balance wheel (two speed) No. 58249 for foot power stand. Diameter of belt grooves <math>4\frac{1}{2}</math> and <math>7\frac{1}{8}</math> inches, otherwise same as Machine No. 7-31 .....</p> <p>Cipher, EBMOR. See Form 9160.</p> <p>Weight in lbs., 140 net, 208 gross. Cubic meas., 8 ft. 7 in.</p>	



MACHINES OF CLASS 7



MACHINE NO. 7-34

NO.	DESCRIPTION	PRICE
7-34	<p>FOR AWNINGS, MAIL BAGS, RUGS, ROBES, CANVAS COVERS, HORSE COLLARS, TRACES, HASSOCKS, LIFE PRESERVERS, SAILS, STAIR PADS, TENTS, TOE PADS, ETC. Stitch <math>\frac{3}{2}</math> to <math>\frac{9}{16}</math> inch long. Has shuttle No. 19980, drop feed and alternating pressers. Balance wheel No. 11356 for underdriver. Diameter of belt groove <math>4\frac{11}{16}</math> inches; or balance wheel (two speed) No. 11358 for foot power stand. Diameter of belt grooves <math>4\frac{1}{2}</math> and <math>7\frac{1}{8}</math> inches..... Speed 650. Cipher, EBMYT. See Form 9378. Weight in lbs., 140 net, 208 gross. Cubic meas., 8 ft. 7 in. See also Machine No. 7-9.</p>	
7-35	<p>FOR HARNESS AND OTHER WORK IN LEATHER NOT MORE THAN <math>\frac{5}{8}</math> INCH THICK. Makes "set" stitch by use of points on presser foot. Has presser feed point for <math>\frac{1}{8}</math> inch stitch; presser feed points for <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, <math>\frac{1}{10}</math> and <math>\frac{1}{12}</math> inch can be furnished if so ordered at an extra cost. Has shuttle No. 19980, upper feed and foot lifter; stitch <math>\frac{3}{2}</math> to <math>\frac{1}{4}</math> inch long. Balance wheel No. 11356 for underdriver. Diameter of belt groove <math>4\frac{11}{16}</math> inches; or balance wheel (two speed) No. 11358 for foot power stand. Diameter of belt grooves <math>4\frac{1}{2}</math> and <math>7\frac{1}{8}</math> inches..... Speed 400. Cipher, EBNIR. Weight in lbs., 139 net, 200 gross. Cubic meas. 8 ft. 7 in. See also Machine No. 7-14.</p>	
7-36	<p>HAS S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches, otherwise same as Machine No. 7-22 ..... Cipher, EBNUT. Weight in lbs., 176 net, 232 gross. Cubic meas., 8 ft. 10 in.</p>	



## MACHINES OF CLASS 7

NO.	DESCRIPTION	PRICE
7-38	HAS S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches, otherwise same as Machine No. 7-27..... Cipher, EBRIV. Weight in lbs., 185 net, 258 gross. Cubic meas., 8 ft. 10 in.	
7-39	HAS S. D. A. Balance wheel No. 58336. Pulley No. 11440, diameter 7 inches, otherwise same as Machine No. 7-28..... Cipher, EBROW. Weight in lbs., 196 net, 275 gross. Cubic meas., 8 ft. 10 in.	
7-40	FOR STITCHING BUFF WHEELS NOT MORE THAN $\frac{7}{16}$ INCH THICK AND 18 INCHES DIAMETER. Has attachment underneath the bed for making spiral rows of stitching from $\frac{1}{4}$ to $\frac{3}{8}$ inch apart (in sixteenths) as ordered. Shuttle No. 19980, drop feed, alternating pressers and belt shifter. Balance wheel No. 11356. Pulley No. 11943, diameter 7 inches..... Speed 650. Cipher, ERGLO. Weight in lbs., 168 net, 251 gross. Cubic meas., 11 ft. 5 in.	
7-41	HAS BELT SHIFTER FOR FLAT BELT. Balance wheel and pulley (tight) No. 19991. Diameter of pulley 7 inches, otherwise same as Machine No. 7-31..... Speed 550. Cipher, ERBUT. Weight in lbs., 176 net, 239 gross. Cubic meas., 8 ft. 10 in.	
7-42	FOR STITCHING TENTS, WAGON COVERS, TARPAULINS AND GENERAL WORK IN CANVAS. Two needles and two cylinder shuttles Nos. 19568 and 19569. Gauges from $\frac{3}{4}$ to 1 inch; alternating pressers. Balance wheel (two speed) No. 58249. Diameter of belt grooves $4\frac{5}{16}$ and 7 inches..... Speed up to 500, according to the material being stitched. Cipher, EBRUV. See Form 9498. Weight in lbs., 173 net, 245 gross. Cubic meas., 8 ft. 10 in.	
7-44	FOR STITCHING TENTS, WAGON COVERS, TARPAULINS AND GENERAL WORK IN CANVAS. Two needles, two cylinder shuttles Nos. 19568 and 19569. Gauges from $\frac{3}{4}$ to 1 inch; alternating pressers. S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches..... Speed up to 500, according to the material being stitched. Cipher, EBRUY. See Form 9498. Weight in lbs., 179 net, 247 gross. Cubic meas., 8 ft. 10 in.	

NOTE. This is the 7-42 Machine with S. D. A.



## MACHINES OF CLASS 7

NO.	DESCRIPTION	PRICE
7-46	<p>FOR BOOKBINDING. For stitching each section or signature to a prepared strip, either single or continuous, making a firmly fastened and flat opening book. Drop feed. The machine has reversible feed, strip guides for style of strip to be used, and makes strip <math>\frac{1}{4}</math> to 1 inch long. The stitching is commenced a short distance below the upper end of the section and the work moves backward. When the upper end is reached the feed is reversed, the needle enters the holes before made and the section is stitched down to the lower end, the feed is then again reversed and the stitching finished a short distance above the lower end. Has balance wheel (two speed) No. 11358 for underdriver. Diameter of belt grooves <math>4\frac{1}{2}</math> and <math>7\frac{1}{8}</math> inches, otherwise same as Machine No. 7-11.....</p> <p>Speed 100. Cipher, ENIBA.</p> <p>Weight in lbs., 151 net, 210 gross. Cubic meas., 8 ft. 7 in.</p>	
7-47	<p>FOR EITHER CLOTH OR LEATHER, especially light harness, as ordered. Has shuttle No. 19980 and drop feed. The presser foot is quickly adjustable from vibrating to stationary and vice versa. Parts and attachments can be furnished at an additional charge for binding, folding and other operations in saddlery, harness, etc. Stitch <math>\frac{3}{32}</math> to <math>\frac{7}{16}</math> inch long, S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches.....</p> <p>Speed 500. Cipher, ENICO.</p> <p>Weight in lbs., 180 net, 245 gross. Cubic meas., 8 ft. 10 in.</p>	
7-48	<p>FOR AWNINGS (INCLUDING BINDING) MAIL BAGS, RUGS, ROBES, CANVAS COVERS, HORSE COLLARS, TRACES, HASSOCKS, LIFE PRESERVERS, SAILS, STAIR PADS, TENTS, TOE PADS, ETC. Stitch <math>\frac{3}{32}</math> to <math>\frac{9}{16}</math> inch long. Has shuttle No. 19980, drop feed, alternating pressers and belt shifter. Balance wheel No. 11356. Pulley No. 11943, diameter 7 inches.....</p> <p>Speed 650. Cipher, ENIGE.</p> <p>Weight in lbs., 143 net, 208 gross. Cubic meas., 8 ft. 10 in.</p>	
<p>NOTE. This is the 7-9 Machine with belt shifter.</p>		
7-50	<p>HAS TWO NEEDLES, TWO CYLINDER SHUTTLES Nos. 43275 and 43283; gauge 1 inch. Can be furnished in gauges from 1 inch up to <math>1\frac{1}{2}</math> inches at an addition of \$55.00 to the regular selling price of the machine. Has drop feed. Adjustable presser, either vibrating or stationary and belt shifter. Balance wheel and pulley (tight) No. 19991. Diameter of pulley 7 inches.....</p> <p>Speed up to 500, according to material being stitched.</p> <p>Cipher, ENJAB.</p> <p>Weight in lbs., 185 net, 250 gross. Cubic meas., 8 ft. 10 in.</p>	

NOTE. This machine differs from the 7-26 Machine in having a heavier feed mechanism, the feed bar having two bearings, so that the feed dog is supported at both ends.



## MACHINES OF CLASS 7

NO.	DESCRIPTION	PRICE
7-51	HAS S. D. A. Balance wheel No. 58336. Pulley No. 11440, diameter 7 inches, otherwise same as Machine No. 7-50. . . . . Speed up to 500, according to the material being stitched. Cipher, ENJED. Weight in lbs., 208 net, 282 gross. Cubic meas., 8 ft. 10 in.	
7-52	HAS BALANCE WHEEL (two speed) No. 11358. Diameter of belt grooves $4\frac{1}{2}$ and $7\frac{1}{8}$ inches; for foot power stand or underdriver, otherwise same as Machine No. 7-50. . . . . Speed up to 500, according to the material being stitched. Cipher, EHJIZ. Weight in lbs., 182 net, 247 gross. Cubic meas., 8 ft. 7 in.	
7-53	FOR STITCHING BUFF WHEELS not more than $\frac{7}{16}$ inch thick and 18 inches diameter. Has attachment underneath the bed for making spiral rows of stitching from $\frac{1}{4}$ to $\frac{3}{8}$ inch apart (in sixteenths) as ordered. Has shuttle No. 19980 and drop feed. Alternating pressers and S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches. . . . . Speed 650. Cipher, ENJUF. Weight in lbs., 193 net, 275 gross. Cubic meas., 11 ft. 5 in.	

NOTE: This is the 7-40 Machine with S. D. A.

7-54	FOR STITCHING TARPAULINS AND GENERAL WORK IN CANVAS. Two needles and two cylinder shuttles; gauges from 1 to $1\frac{1}{2}$ inches (shuttles Nos. 43275 and 43283 for 1 to $1\frac{1}{8}$ inches gauge; shuttles Nos. 58358 and 58360 for $1\frac{1}{4}$ to $1\frac{1}{2}$ inches gauge). Independently adjustable upper and under feeds. Lift of presser foot $\frac{1}{2}$ inch. Foot lifter and S. D. A. Balance wheel No. 58336. Pulley No. 11440, diameter 7 inches . . . . . Speed up to 500, according to the material being stitched. Cipher, ENKAG. Weight in lbs., 227 net, 292 gross. Cubic meas., 8 ft. 10 in.	
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NOTE. This machine differs from the 7-43 Machine in having a heavier feed mechanism, the feed bar having two bearings, so that the feed dog is supported at both ends.

7-55	FOR STITCHING BUFF WHEELS not more than $\frac{7}{16}$ inch thick and 18 inches in diameter. Has attachment underneath the bed for making spiral rows of stitching from $\frac{1}{4}$ to $\frac{3}{8}$ inch apart (in sixteenths) as ordered. This machine stitches to within $\frac{7}{8}$ inch of centre, making the inner circle $1\frac{3}{4}$ inches in diameter. Shuttle No. 19980. Drop feed, alternating pressers and belt shifter. Balance wheel No. 11356. Pulley No. 11943, diameter 7 inches. . . . . Speed up to 650, according to the material being stitched. Cipher, ENFYX. Weight in lbs., 168 net, 275 gross. Cubic meas., 11 ft. 5 in. (February, 1927)	
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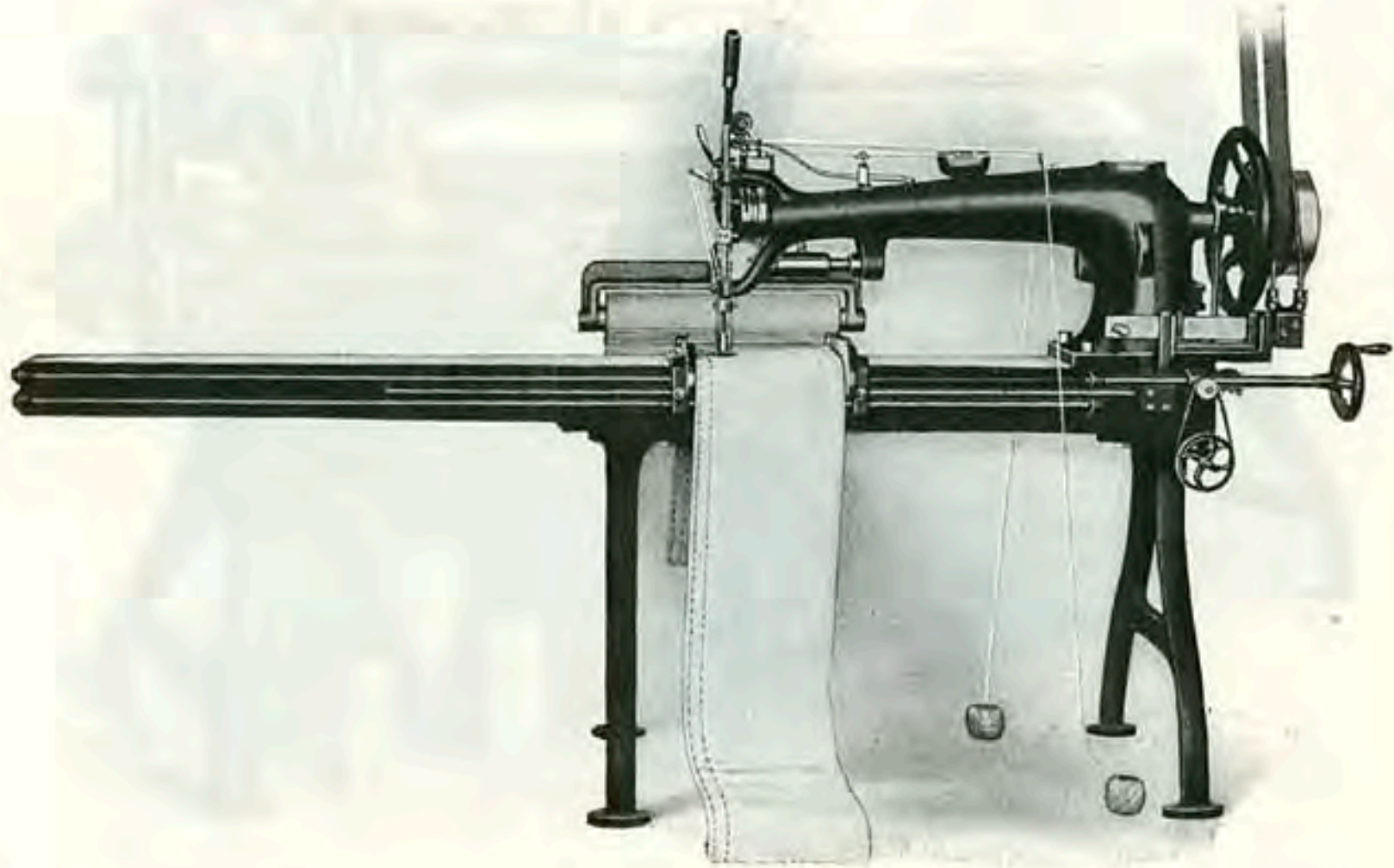
NOTE: The difference between the 7-40 and the 7-55 Machines is that the 7-40 machine stitches to within  $1\frac{1}{2}$  inches of the centre and makes the inner circle 3 inches in diameter. The 7-55 Machine stitches to within  $\frac{7}{8}$  inch of the centre and makes an inner circle  $1\frac{3}{4}$  inches diameter.



## MACHINES OF CLASS 8

Bed plate 8 feet 1½ inches long; 27 inches clear working space at right of needle.

Oscillating shuttle mechanism.



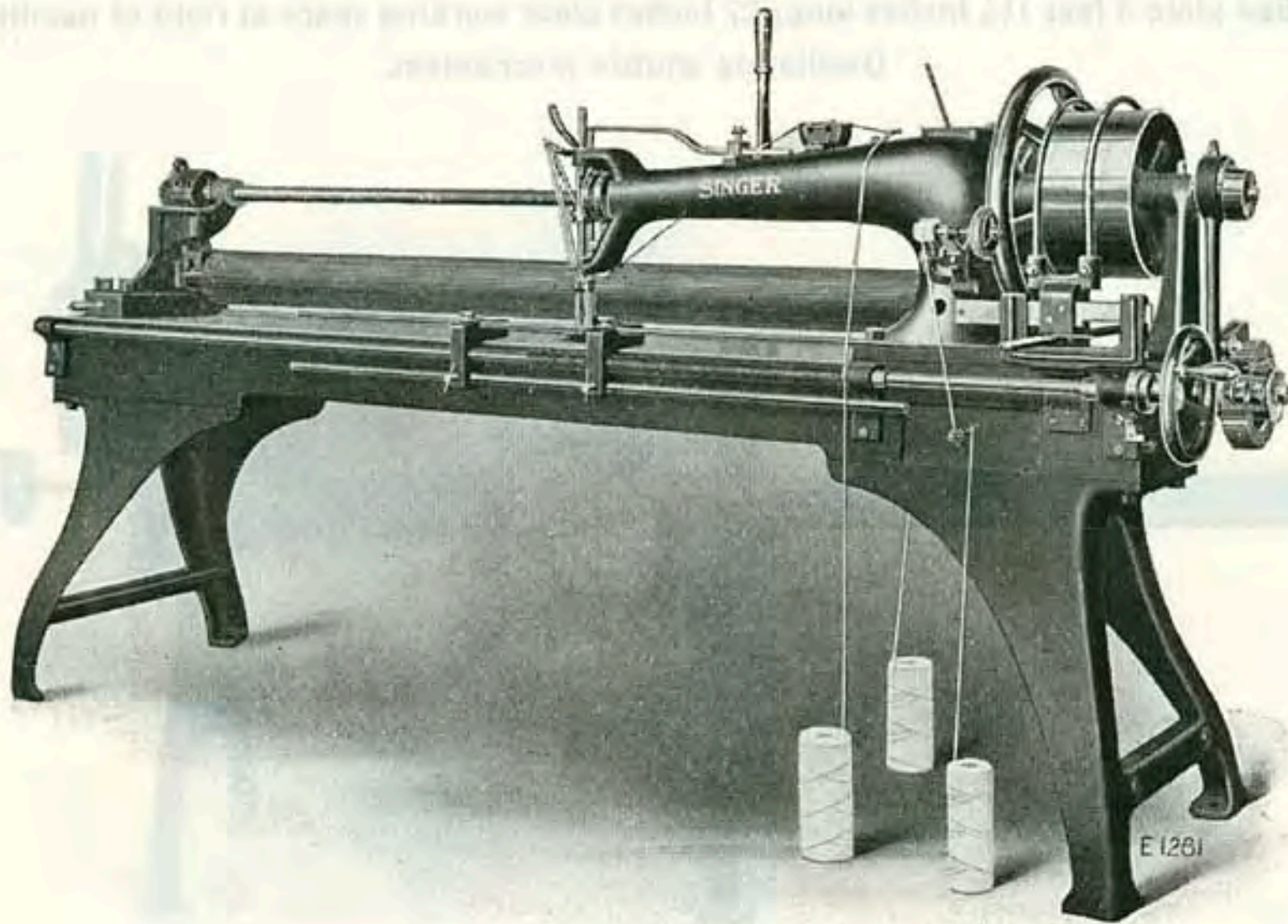
MACHINE No. 8-4

The machines of Class 8 are for stitching canvas belting not more than ¾ inch, or rubber belting up to ⅝ inch thick; have corrugated feed rolls for moving the belt forward, and guides, the same as those for machines of Class 5, for controlling the direction of the belt. All machines of Class 8 have belt shifter and heavy iron legs and are regularly fitted with flat presser. Roller presser will be furnished if so specified on order. See Form 9002.

NO.	DESCRIPTION	PRICE
8-2	HAS SCREW GUIDE; cylinder shuttle No. 43285; separation between rows of stitching ¼ inch to each complete turn of the guide screw. Balance wheel and pulley (tight) No. 16963. Diameter of pulley 8⅛ inches..... Speed 250. Cipher, EBRYZ. Weight in lbs., 876 net, 1254 gross. Cubic meas., 46 ft. 8 in.	
8-3	HAS SLIDING ROD GUIDE WITH SPRING CATCH; two shuttles Nos. 43275 and 43283, gauges from 1 to 1½ inches. Can be furnished in gauges from 1½ inches up to 2 inches at an addition of \$55.00 to the regular selling price of the machine. Orders must state whether No. 12 or No. 14 needles are required for the work and the distance required between rows of stitching. Balance wheel and pulley (tight) No. 16963. Diameter of pulley 8⅛ inches ..... Speed 200. Cipher, EBSAT. Weight in lbs., 913 net, 1291 gross. Cubic meas., 49 ft. 11 in.	
8-4	HAS SCREW GUIDE; otherwise same as Machine No. 8-3..... Speed 200. Cipher, EBSEV. Weight in lbs., 980 net, 1370 gross. Cubic meas., 49 ft. 11 in.	



MACHINES OF CLASS 8



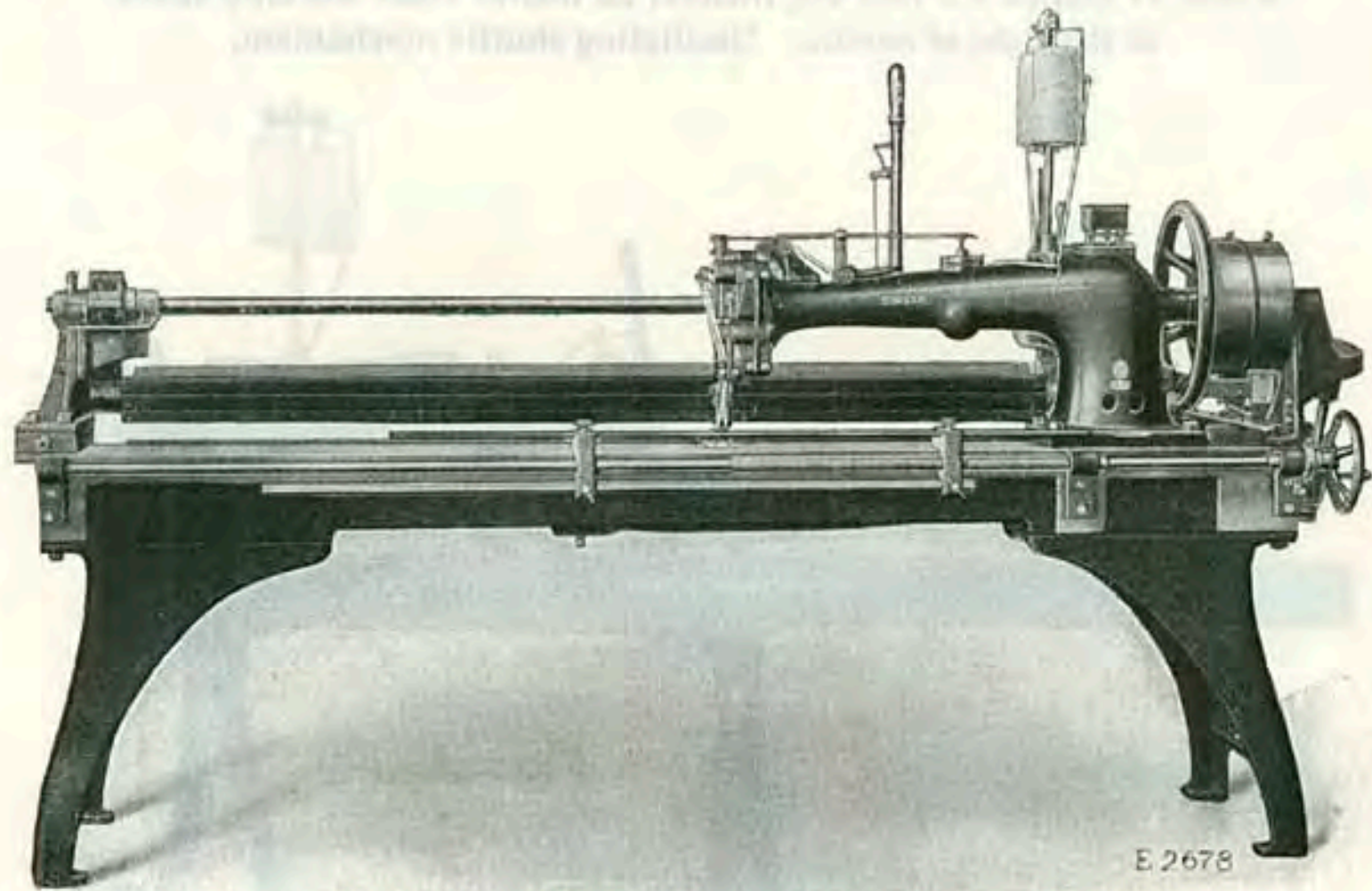
MACHINE No. 8-6

NO.	DESCRIPTION	PRICE
<b>8-6</b>	<p>FOR STITCHING CANVAS BELTS UP TO <math>\frac{3}{4}</math> INCH THICK AND 54 INCHES WIDE. Two needles, two cylinder shuttles Nos. 43275 and 43283; gauges from 1 to 2 inches. Ratchet feed, screw guide having locking device to assist the operator in making one full revolution of the guide screw when changing from one line of stitching to the next. Feed rolls <math>5\frac{1}{4}</math> inches in diameter, 80 inches long, attached to machine bed and driven positively. Has device for opening the end of the feed rolls for entrance of endless belts.....</p> <p>Speed 200. Cipher, EBSUZ. See Form 9306.</p> <p>Weight in lbs., 2557 net, 3092 gross. Cubic meas., 112 ft. 4 in.</p>	



## MACHINES OF CLASS 8

Bed 9 feet 4 inches long; floor space occupied 9 feet 11 inches x 2 feet 6 inches.



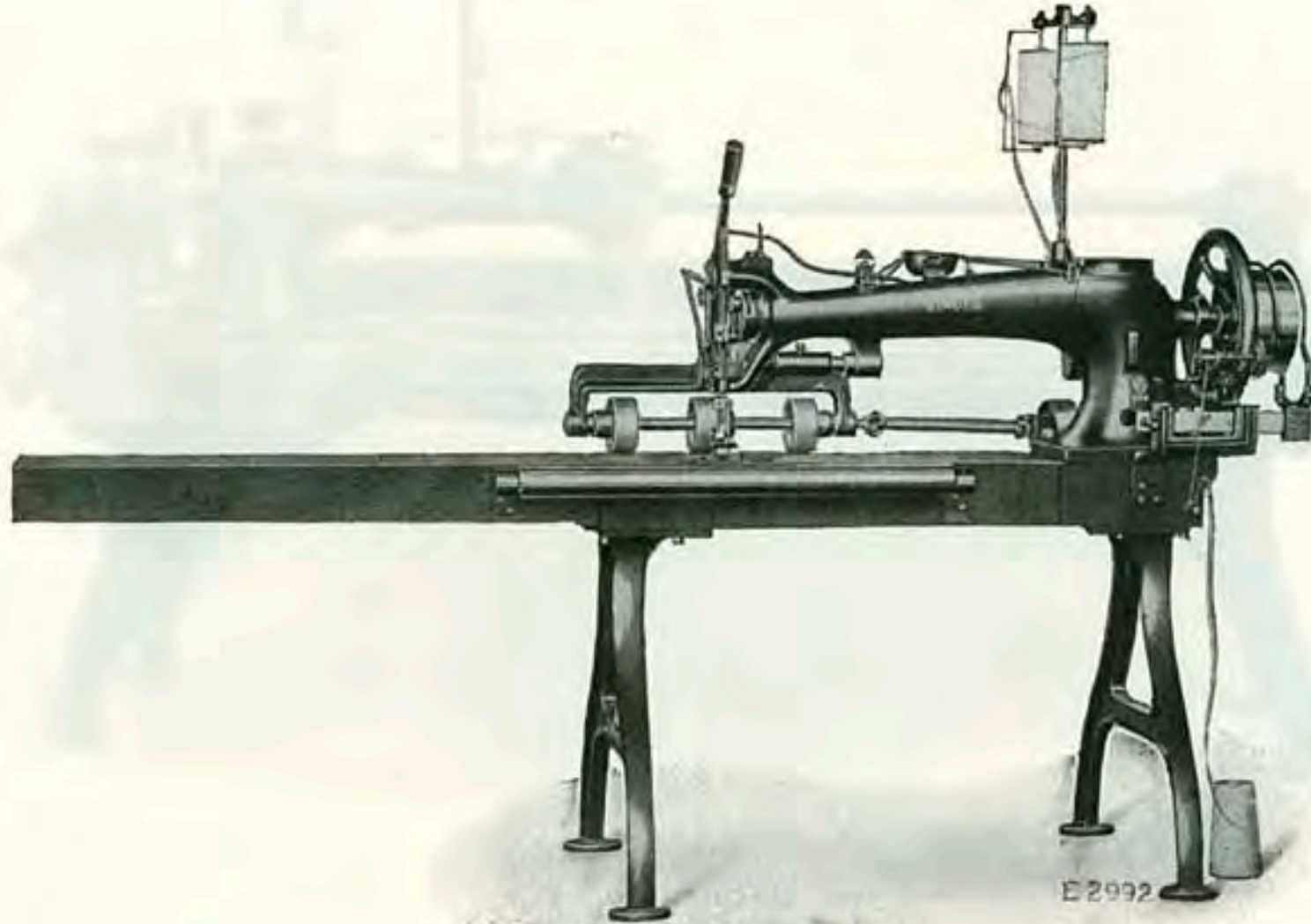
MACHINE No. 8-7

NO.	DESCRIPTION	PRICE
<b>8-7</b>	<p>FOR SEWING CANVAS BELTING UP TO <math>\frac{5}{8}</math> INCH THICK AND 54 INCHES WIDE. Two needles, two cylinder shuttles Nos. 43275 and 43283, gauges from 1 to 2 inches. Continuous feed actuated by worm and worm wheel; vibrating needle bar and presser bar; screw guide having locking device to assist the operator in making one full turn of the guide screw when changing from one line of stitching to the next. Feed rolls <math>5\frac{1}{4}</math> inches in diameter, 80 inches long. Has device for opening the end of the feed rolls for the entrance of endless belts. The feed rolls are provided with a guard to protect the operator. This machine is fitted with an oil cup on the top of the arm for oiling the shuttles, the oil being carried to the shuttles through oil tubes. In the operation of the machine, the balance wheel turns <b>from</b> instead of <b>toward</b> the operator.....</p> <p>Speed 500. Cipher, EBTAV. See Form 9447.</p> <p>Weight in lbs., 2526 net, 3636 gross. Cubic meas., 123 ft. 11 in.</p>	



## MACHINES OF CLASS 8

Distance from base of arm to end of bed, 7 feet 1 inch; floor space occupied, 8 feet 11 inches x 2 feet 4½ inches; 28 inches clear working space at the right of needle. Oscillating shuttle mechanism.



MACHINE No. 8-8

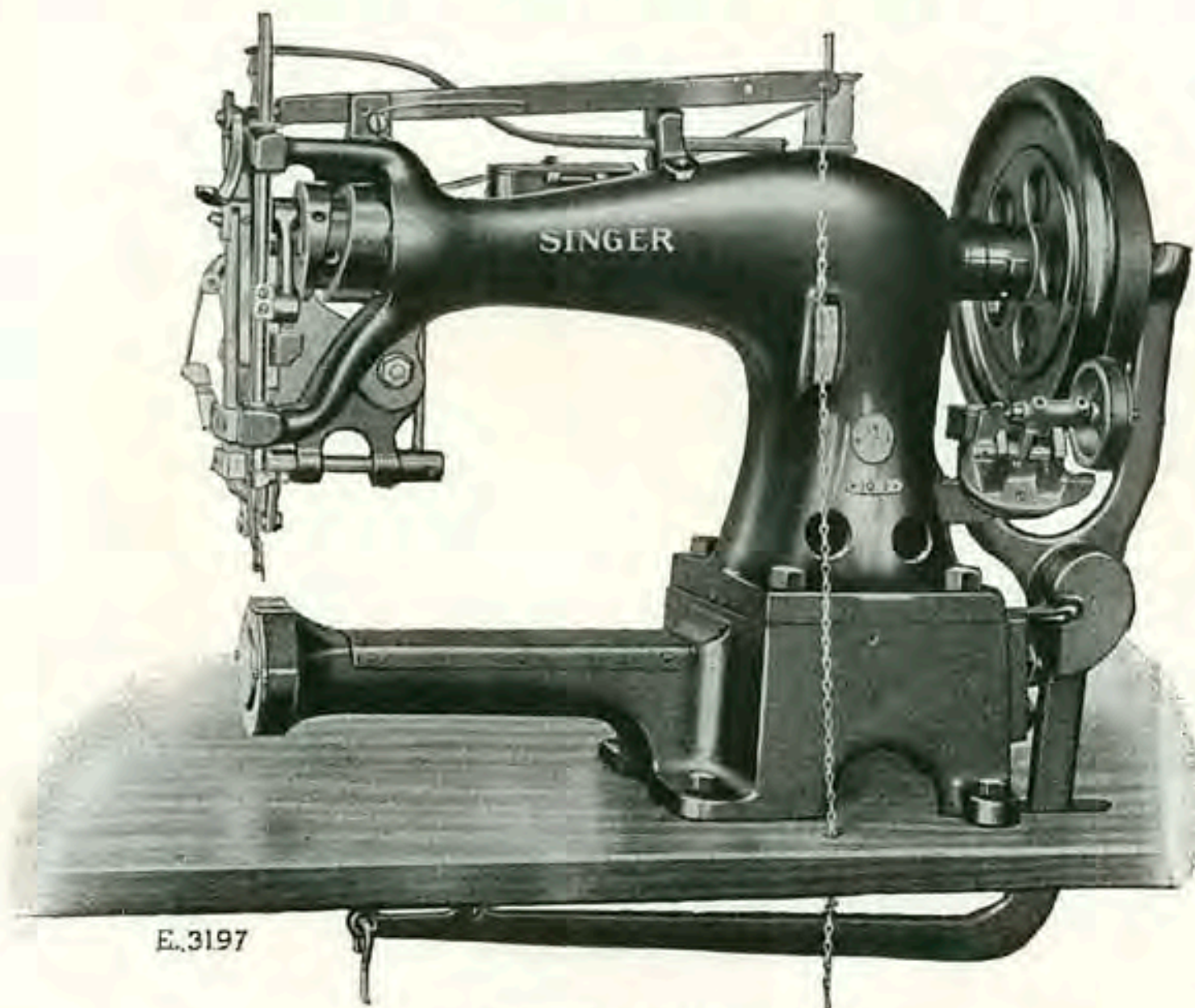
NO.	DESCRIPTION	PRICE
<b>8-8</b>	<p>FOR STITCHING THE LAP OF AEROPLANE HANGARS, TARPAULINS AND OTHER HEAVY CANVAS WORK. Two needles, two cylinder shuttles Nos. 43275 and 43283; gauges from 1 to 1½ inches, 4½ to 8 stitches to the inch. The machine is fitted with an idler roller on the front of the bed to facilitate the carrying of the canvas to the needle. The feed rolls consist of independent rubber faced rollers, 4½ inches in diameter, 2 inch face; three each on the upper and under shafts, the rollers are adjustable from 7½ to 20 inches. Mechanism for positively driving the upper and under feed rolls. The machine is fitted with a brake on the balance wheel actuated by the belt shifter. Balance wheel and pulley (tight) No. 16963. Diameter of pulley 8½ inches . . . . .</p> <p>Speed 300. Cipher, EBSOX. See Form 9500.</p> <p>Weight in lbs., 913 net, 1291 gross. Cubic meas., 49 ft. 11 in.</p>	



## MACHINES OF CLASS 10

Cylinder bed 23 inches long; 4½ inches across end, 14 inches clear working space at right of needle, balance wheel at right hand.

Oscillating shuttle mechanism, foot lifter.



MACHINE No. 10-1

The machines of Class 10 are capable of very heavy work in leather or textile fabrics, comparable with that done by machines of Class 6; the cylinder bed, 4½ inches across end, enables it to stitch from the outside to the inside of concave, tubular or bag shaped articles that could not be stitched upon a flat bed machine.

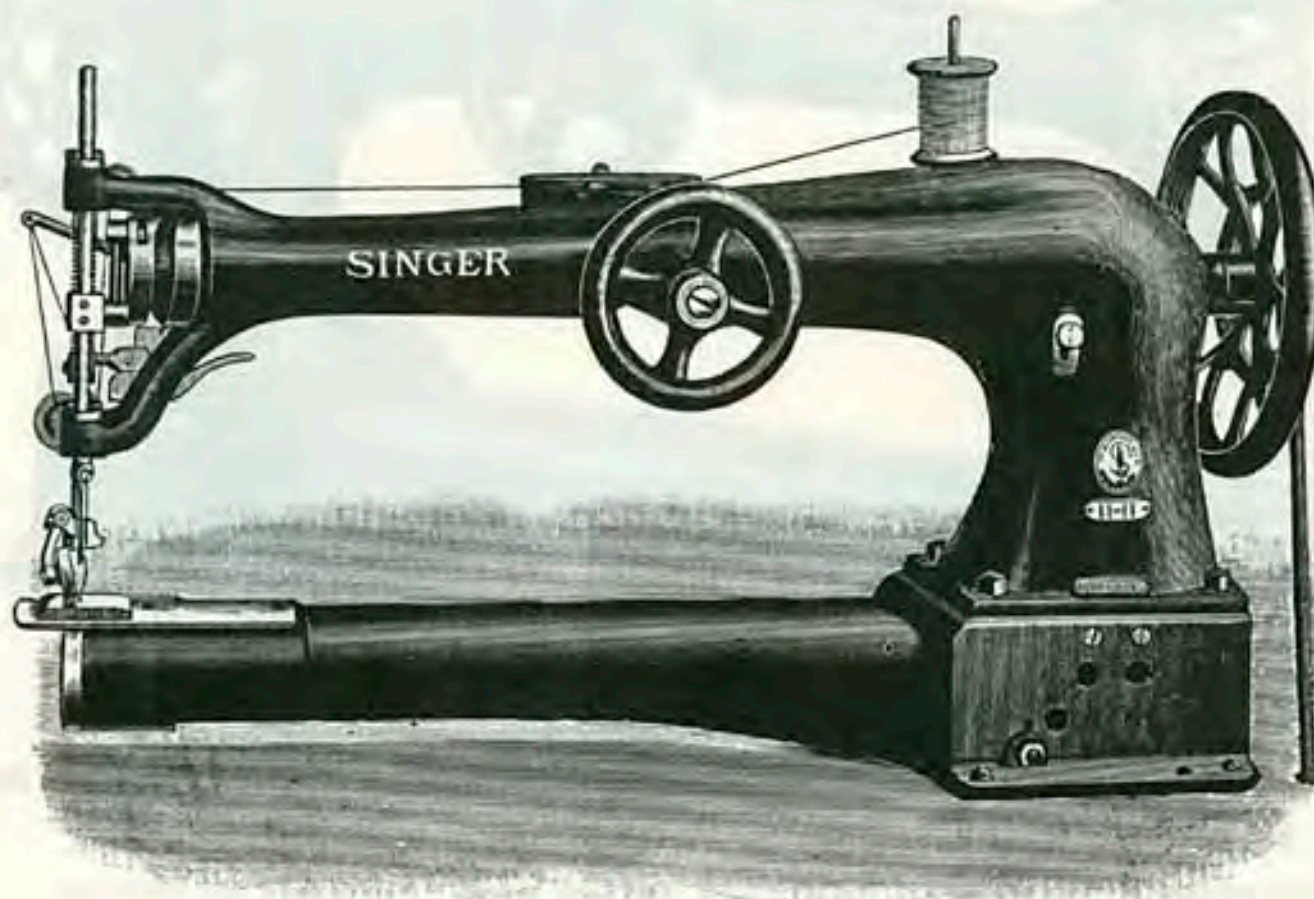
NO.	DESCRIPTION	PRICE
10-1	FOR HARNESS TUGS, TRUNKS, VALISES, SUIT CASES, HEAVY LEATHER BAGS AND OTHER WORK IN LEATHER UP TO ¾ INCH THICK. Has cylinder shuttle No. 19980, upper feed, presser feed point for ⅛ inch "set" stitch, and presser feed points for ¼, ⅓, ⅕ and ⅙ inch stitch can be furnished if so ordered at an extra cost. Foot lifter and S. D. A. Balance wheel No. 8982. Pulley No. 8985, diameter 8 inches. . . . . Speed 200. Cipher, EBTOZ. See Form 9007. Weight in lbs., 212 net, 282 gross. Cubic meas., 10 ft. 8 in.	
10-3	FOR BINDING EDGES OF COCOA MATS WITH ROPE BINDING, for which it is fitted with an adjustable tube guide. Has high point, 4 inch cylinder shuttle No. 58323, upper feed, foot lifter and S. D. A. Balance wheel No. 32852. Pulley No. 8985, diameter 8 inches. . . . Speed 200. Cipher, EBVAW. Weight in lbs., 257 net, 329 gross. Cubic meas., 13 ft. 7 in.	

NOTE. Wood work No. 5278 and iron work No. 27247, or wood work No. 5297 and iron work No. 41156 are used in connection with Machine No. 10-3, but are not included in the price of the machine. (For list prices of wood work and iron work see Form 8801).



## MACHINES OF CLASS 11

Cylinder bed  $3\frac{3}{8}$  inches diameter at end; clear space at right of needle  
21 inches except as otherwise described. Side wheel on arm.  
Cylinder shuttle, oscillating shuttle mechanism.



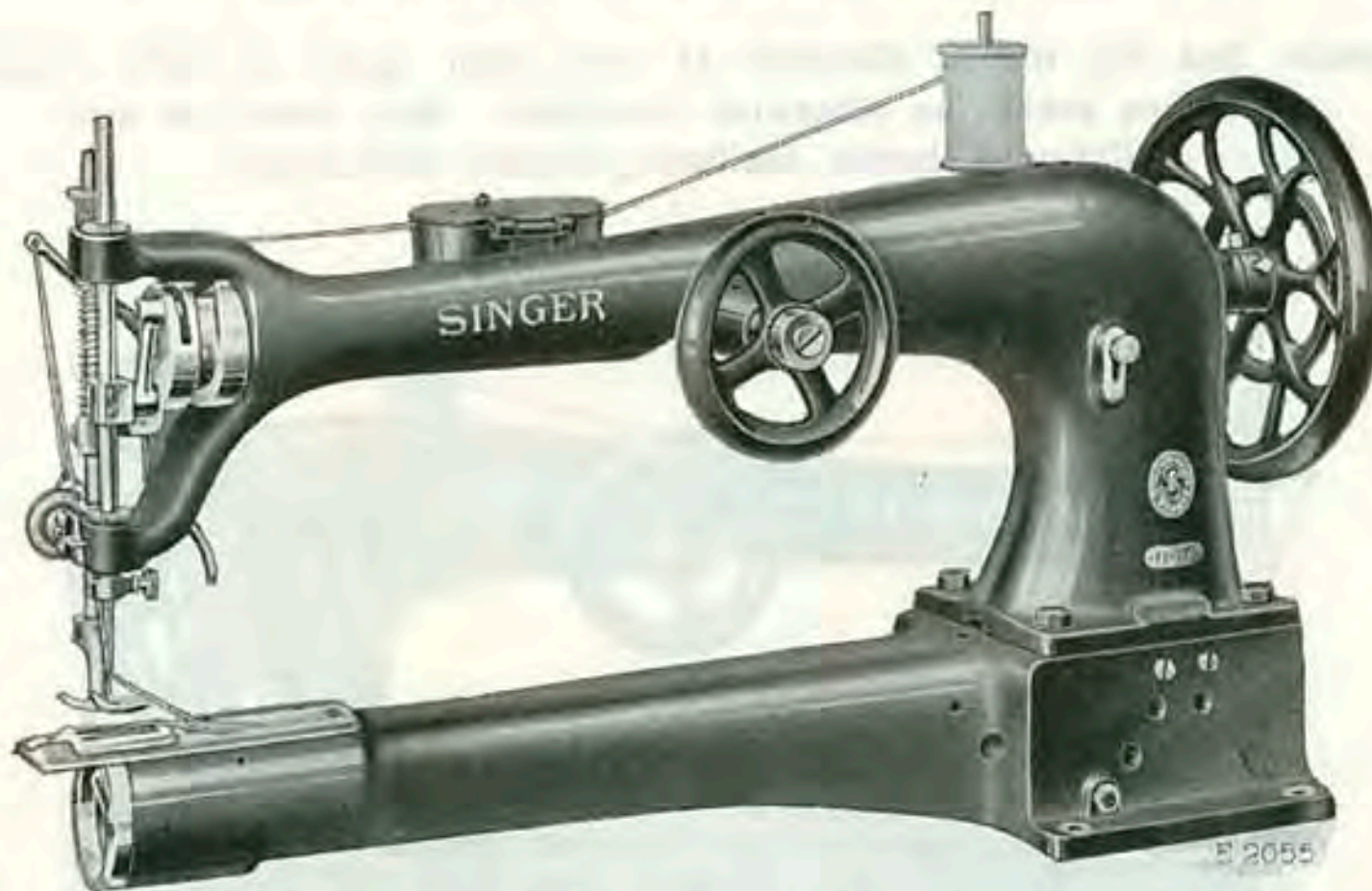
MACHINE No. 11-11

The machines of Class 11 are for stitching heavy tubular work in canvas, leather or other material, and are used for making mail bags, coal bags, nose bags, ore bags, bags of jute and others; also for military boots, carriage dashes, quilting, etc., and for making grommet holes, and overseaming or zigzag stitching on heavy goods while feeding up the arm. See Form 9008.

NO.	DESCRIPTION	PRICE
11-11	FOR LEATHER. Has shuttle No. 12092 and drop feed across the arm. Balance wheel No. 11960. Diameter of belt groove $4\frac{5}{8}$ inches Speed 650. Cipher, EBZIC. Weight in lbs., 112 net, 158 gross. Cubic meas., 5 ft. 6 in.	
11-13	FOR LEATHER. Has shuttle No. 11997 and drop feed up the arm. Balance wheel No. 11960. Diameter of belt groove $4\frac{5}{8}$ inches . . Speed 650. Cipher, ECBAD. Weight in lbs., 103 net, 153 gross. Cubic meas., 5 ft. 6 in.	
11-16	FOR OVERSEAMING LONG BOOT LEGS AND OTHER TUBULAR ARTICLES WHILE FEEDING UP THE ARM. Also furnished with parts for changing to feed across the arm for straight stitching. Has shuttle No. 14527 and drop feed. Has clear space of 30 inches at right of needle. Balance wheel No. 11356 for underdriver. Diameter of belt groove $4\frac{11}{16}$ inches . . . . . Speed 650. Cipher, ECBUH. Weight in lbs., 179 net, 262 gross. Cubic meas., 10 ft. 4 in.	



## MACHINES OF CLASS 11



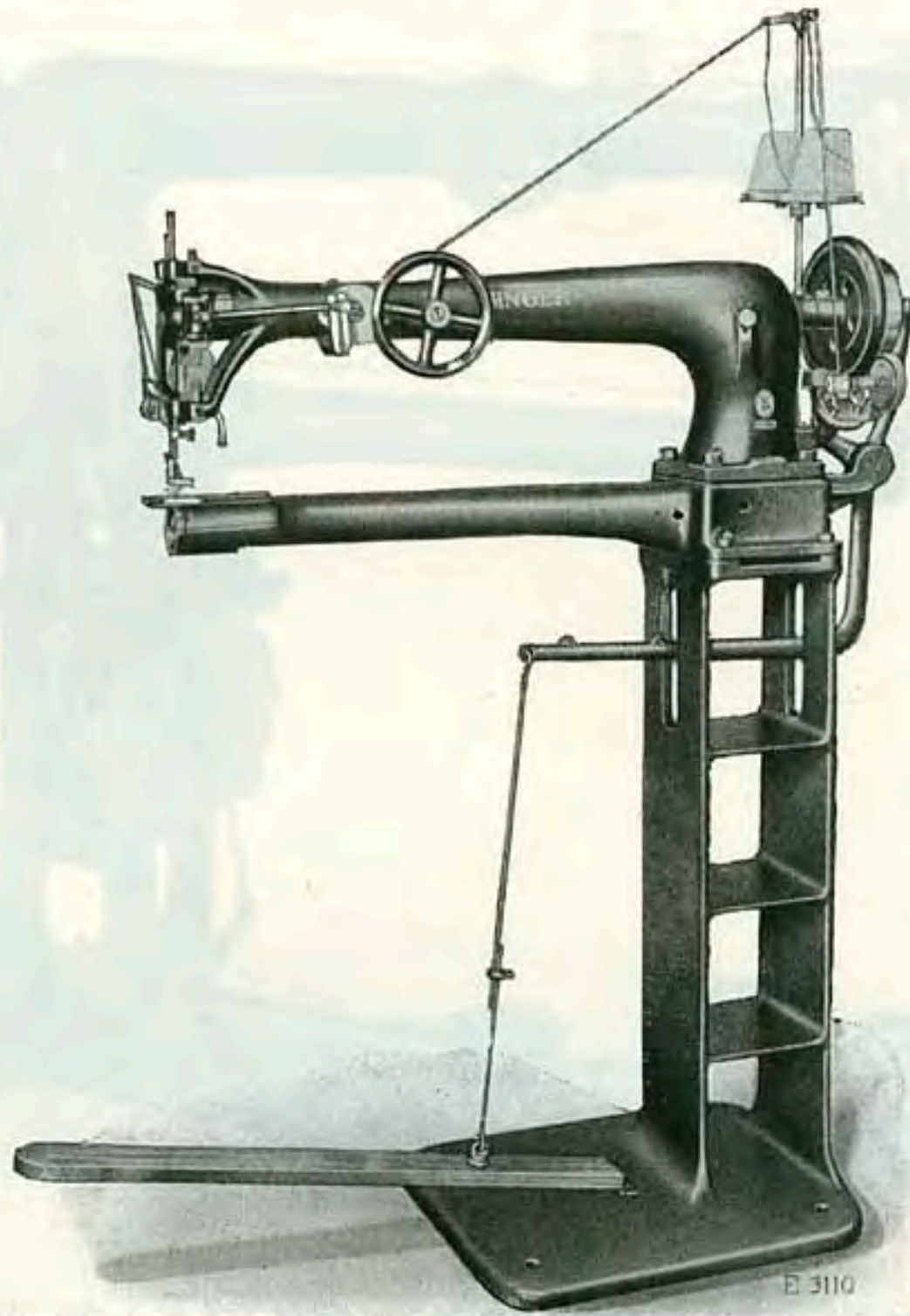
MACHINE No. 11-17

NO.	DESCRIPTION	PRICE
11-17	<p>FOR MILITARY BOOT LEGS AND SIMILAR TUBULAR WORK. Has shuttle No. 11997, drop feed up the arm and parts to change to feed across the arm. Balance wheel No. 11960. Diameter of belt groove <math>4\frac{5}{8}</math> inches. . . . . Speed 650. Cipher, EBYJ. Weight in lbs., 111 net, 158 gross. Cubic meas., 5 ft. 6 in.</p>	
11-20	<p>FOR WORK ON CLOTH, QUILTING BED COVERS, BINDING, ETC. Has shuttle No. 12092, drop feed across the arm, alternating pressers and foot lifter. Maximum length of stitch <math>\frac{5}{16}</math> inch. Lift of presser foot <math>\frac{3}{8}</math> inch. Balance wheel No. 11960. Diameter of belt groove <math>4\frac{5}{8}</math> inches. . . . . Speed 650. Cipher, ECCOH. Weight in lbs., 133 net, 181 gross. Cubic meas., 5 ft. 6 in.</p>	
	<p>NOTE. Can be furnished with work plate No. 14788 full length of the cylinder if ordered, at an additional cost of net.</p>	
11-24	<p>FOR MAKING OR COVERING EYELETS OR GROMMET HOLES with or without metal rings, in tarpaulins, sails, tents, mail bags, etc. Also furnished with parts for changing to feed across the arm for straight stitching. Shuttle No. 14765 and drop feed. Has clear space of 30 inches at right of needle and S. D. A. As regularly furnished, holes <math>\frac{1}{2}</math>, <math>\frac{5}{8}</math>, <math>\frac{3}{4}</math> and <math>\frac{7}{8}</math> inch diameter can be made, but if so ordered the machine will be fitted to make holes 1 inch to <math>4\frac{1}{2}</math> inches diameter, the variations in size being not less than <math>\frac{1}{4}</math> inch. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches. . . . . Speed 650. Cipher, ECDEG. See Form 9095. Weight in lbs., 216 net, 288 gross. Cubic meas., 10 ft. 4 in.</p>	

NOTE. When the inside diameter of the finished grommet hole or eyelet is 1 inch or larger it will be necessary to furnish cloth plate No. 14738 at an extra charge of to the retail price of the machine. For grommets under  $\frac{1}{2}$  inch it will be necessary to furnish an extra throat plate and centre guide which will be charged at list price. Orders for machines cannot be filled unless sample rings are furnished.



## MACHINES OF CLASS 11



MACHINE No. 11-26 ON COLUMN STAND No. 14685

NO.	DESCRIPTION	PRICE
11-26	<p>HAS S. D. A. Balance wheel No. 122302. Pulley No. 11440, diameter 7 inches, otherwise same as Machine No. 11-16.....</p> <p>Cipher, ECDUK. See Form 9516.</p> <p>Weight in lbs., 205 net, 288 gross. Cubic meas., 10 ft. 4 in.</p>	
11-29	<p>FOR STITCHING TENTS, TARPAULINS, WAGON COVERS AND OTHER WORK IN CANVAS. Has 2½ inch cylinder shuttle No. 12092; drop feed, alternating pressers, flexible shuttle race and foot lifter. Balance wheel (two speed) No. 56564. Diameter of belt grooves 4¾ and 7 inches.....</p> <p>Speed 600. Cipher, ECFEH. See Form 9473.</p> <p>Weight in lbs., 133 net, 181 gross. Cubic meas., 5 ft. 6 in.</p>	



MACHINES OF CLASS 11



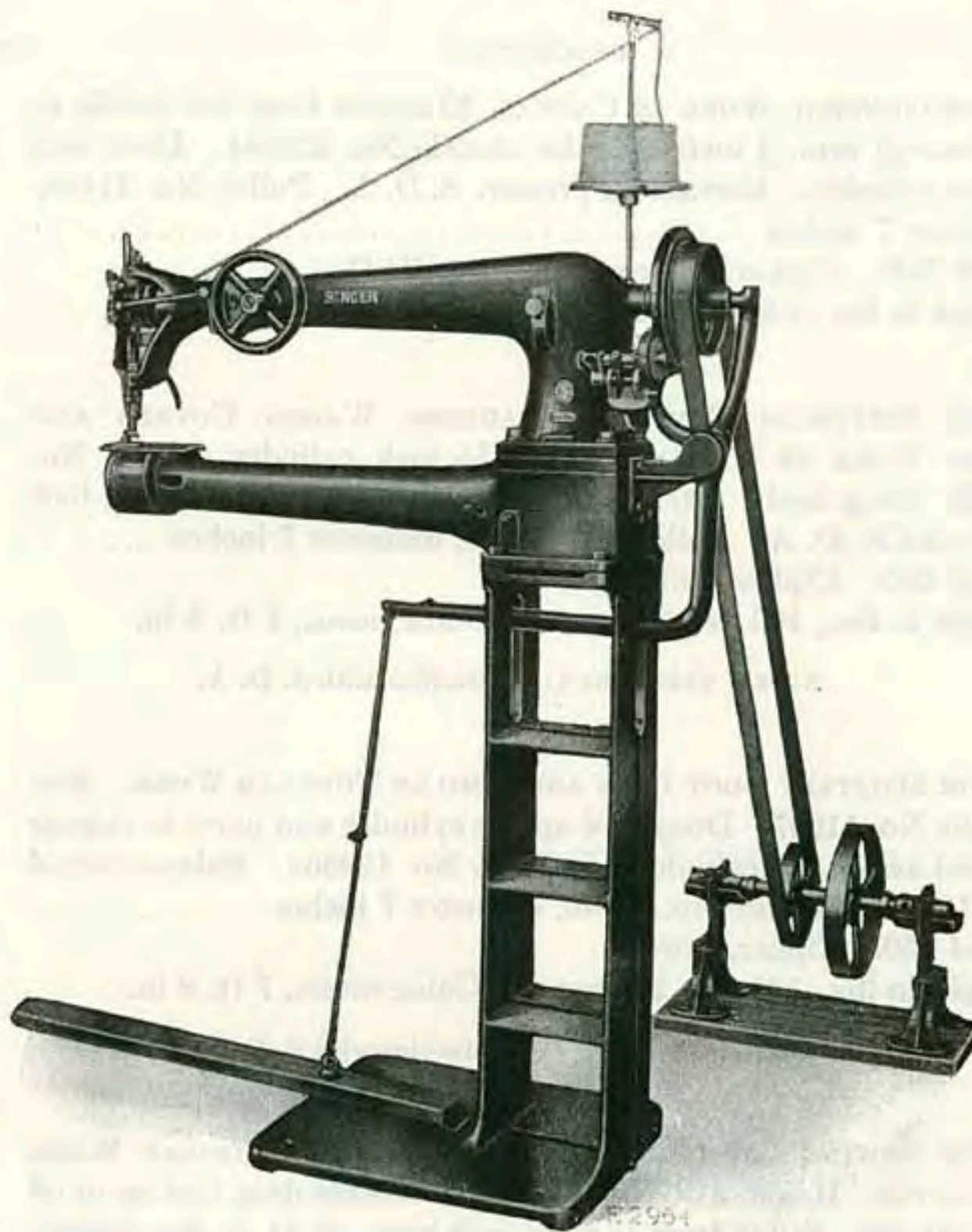
MACHINE NO. 11-30 ON COLUMN STAND NO. 56688 AND S. A. 931 MOTOR

NO.	DESCRIPTION	PRICE
11-30	<p>FOR STITCHING RUBBERIZED MATERIAL FOR BALLOON AND AEROPLANE WORK. Has clear space of 30 inches at the right of needle. Two needles, two shuttles; gauges from <math>\frac{3}{16}</math> to <math>\frac{1}{2}</math> inch. (Shuttles Nos. 3381 and 3229 for <math>\frac{3}{16}</math> to <math>\frac{5}{16}</math> inch gauge; 3226 and 4729 for <math>\frac{1}{4}</math> inch gauge only; 3229 and 3226 for <math>\frac{7}{16}</math> to <math>\frac{9}{16}</math> inch gauge; 3381 and 3521 for <math>\frac{5}{16}</math> to <math>\frac{1}{2}</math> inch gauge). Has work plate 36 inches long and 12 inches wide. Drop Feed. Alternating presser. Bobbin No. 2210. Foot lifter. Balance wheel No. 56630. Diameter of belt groove <math>5\frac{3}{4}</math> inches.....                      Speed 800. Cipher, ECFIJ. See Form 9496.                      Weight in lbs., 186 net, 283 gross. Cubic meas., 10 ft. 5 in.</p>	

NOTE. This machine is usually operated on an iron column stand and an electric motor, but these parts are not included in the retail price of the machine.  
 Column stand No. 56688, retail price                      S.A. 931 Motor, retail price



## MACHINES OF CLASS 11



MACHINE NO. 11-32 ON COLUMN STAND NO. 14685 WITH  
COUNTERSHAFT NO. 41165

NO.	DESCRIPTION	PRICE
<b>11-32</b>	<p>FOR MAKING OR COVERING EYELETS OR GROMMET HOLES, with or without metal rings, in tarpaulins, sails, tents, mail bags, etc., also furnished with parts for changing to feed across the cylinder for straight stitching, 4 inch cylinder shuttle, No. 56737, 30 inches from the needle to the base of arm. Drop feed. S. D. A. As regularly furnished, holes <math>\frac{1}{2}</math>, <math>\frac{5}{8}</math>, <math>\frac{3}{4}</math> and <math>\frac{7}{8}</math> inch diameter can be made, but if so ordered the machine will be fitted to make holes 1 to <math>4\frac{1}{2}</math> inches in diameter, the variations in size being not less than <math>\frac{1}{4}</math> inch. Pulley No. 11440, diameter 7 inches. . . . .</p> <p>Speed 500. Cipher, ECFOL. See Form 9491.</p> <p>Weight in lbs., 292 net, 402 gross. Cubic meas., 10 ft. 5 in.</p>	

NOTE. When the inside diameter of the finished grommet hole or eyelet is 1 inch or larger it will be necessary to furnish cloth plate No. 56629 at an extra charge of            to the retail price of the machine. For grommets under  $\frac{1}{2}$  inch it will be necessary to furnish an extra throat plate and centre guide which will be charged at list price. Orders for machines cannot be filled unless sample rings are furnished.



## MACHINES OF CLASS 11

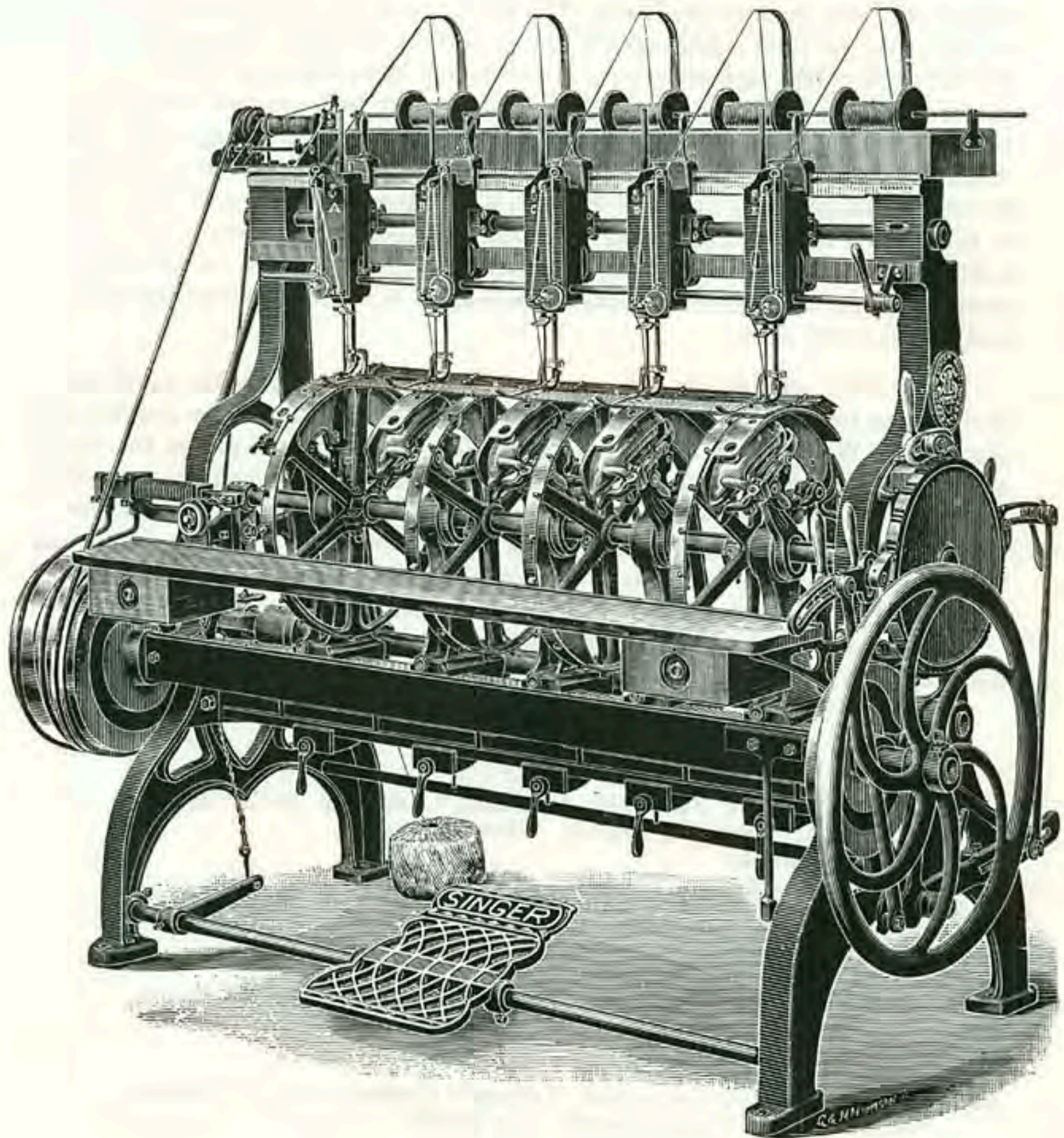
NO.	DESCRIPTION	PRICE
11-33	<p>FOR GENERAL WORK IN CANVAS, 30 inches from the needle to the base of arm, 4 inch cylinder shuttle No. 122344. Drop feed up the cylinder. Alternating presser. S. D. A. Pulley No. 11440, diameter 7 inches.....</p> <p>Speed 500. Cipher, ECFON. See Form 9492.</p> <p>Weight in lbs., 246 net, 324 gross. Cubic meas., 10 ft. 5 in.</p>	
11-34	<p>FOR STITCHING TENTS, TARPAULINS, WAGON COVERS AND OTHER WORK IN CANVAS. Has 2½ inch cylinder shuttle No. 12092. Drop feed. Alternating pressers, flexible shuttle race, foot lifter and S. D. A. Pulley No. 11440, diameter 7 inches.....</p> <p>Speed 600. Cipher, ECFOP.</p> <p>Weight in lbs., 160 net, 222 gross. Cubic meas., 7 ft. 8 in.</p>	
	<p>NOTE. This is the 11-29 Machine with S. D. A.</p>	
11-35	<p>FOR MILITARY BOOT LEGS AND SIMILAR TUBULAR WORK. Has shuttle No. 11997. Drop feed up the cylinder and parts to change to feed across the cylinder. S. D. A. No. 122362. Balance wheel No. 122316. Pulley No. 11440, diameter 7 inches.....</p> <p>Speed 650. Cipher, ECFOR.</p> <p>Weight in lbs., 142 net, 201 gross. Cubic meas., 7 ft. 8 in.</p>	
	<p>NOTE. This is the 11-17 Machine with S. D. A.</p>	
11-36	<p>FOR SEWING LAUNDRY HAMPERS AND OTHER SIMILAR WORK IN CANVAS. Has shuttle No. 11997. Reversible drop feed up or off the cylinder. Stitch from ⅛ to ½ inch long. S. D. A. No. 122362. Balance wheel No. 122316. Pulley No. 11440, diameter 7 inches</p> <p>Speed 650. Cipher, ECFOS.</p> <p>Weight in lbs., 135 net, 193 gross. Cubic meas., 7 ft. 8 in.</p>	
11-37	<p>FOR STITCHING FINE BOOT LEGS OR OTHER TUBULAR ARTICLES IN LIGHT AND MEDIUM WEIGHT LEATHER. Has cylinder 2¾ inches diameter at end; shuttle No. 6028; drop feed up the arm and S. D. A. No. 122392. Balance wheel No. 122316. Pulley No. 11440, diameter 7 inches.....</p> <p>Speed 650. Cipher ECFOT.</p> <p>Weight in lbs., 136 net, 198 gross. Cubic meas., 7 ft. 8 in.</p>	
	<p>NOTE. This is the 11-23 Machine with the new type S. D. A.</p>	



# MACHINES OF CLASS 14K

MULTIPLE HEAD

Adjustable for Every Size of Jacquard Pattern Card.



5-HEAD 14K LACING MACHINE



## MACHINES OF CLASS 14 K

**Machines Nos. 14 K 9 to 14 K 16** are for lacing together the pattern cards used in jacquard looms. They are provided with 3, 4, 5 or 6 heads, or complete stitching mechanisms, working in unison, as may be required for lacing the different lengths of cards used on the loom. The heads are mounted on horizontal slides so that they may be easily moved to the correct positions required for lacing the different cards, and each head is adjustable independently, or may be left out of action entirely if desired. The machines are made in two sizes, one for cards of any length up to 26", the other for cards up to 42" long. The length of stitch is adjustable up to 2½", and when the machine is driven at the rate of 80 revolutions per minute it will easily lace 28 cards per minute. The machine is fitted with exceptionally large shuttles, with bobbins of great capacity for holding the braid used for lacing. This braid is also used in the needles, and the needle and shuttle braids are locked together in the centre of each lacing hole and between the cards.

The cards, arranged in their consecutive order, are laid on the platform in front of the feed wheels which are provided with studs that fit the peg holes in the cards. When the machine is in operation the attendant places the cards, one at a time, upon the feed wheels as the latter revolve, and they are then laced by the stitching mechanism and delivered at the back of the machine.

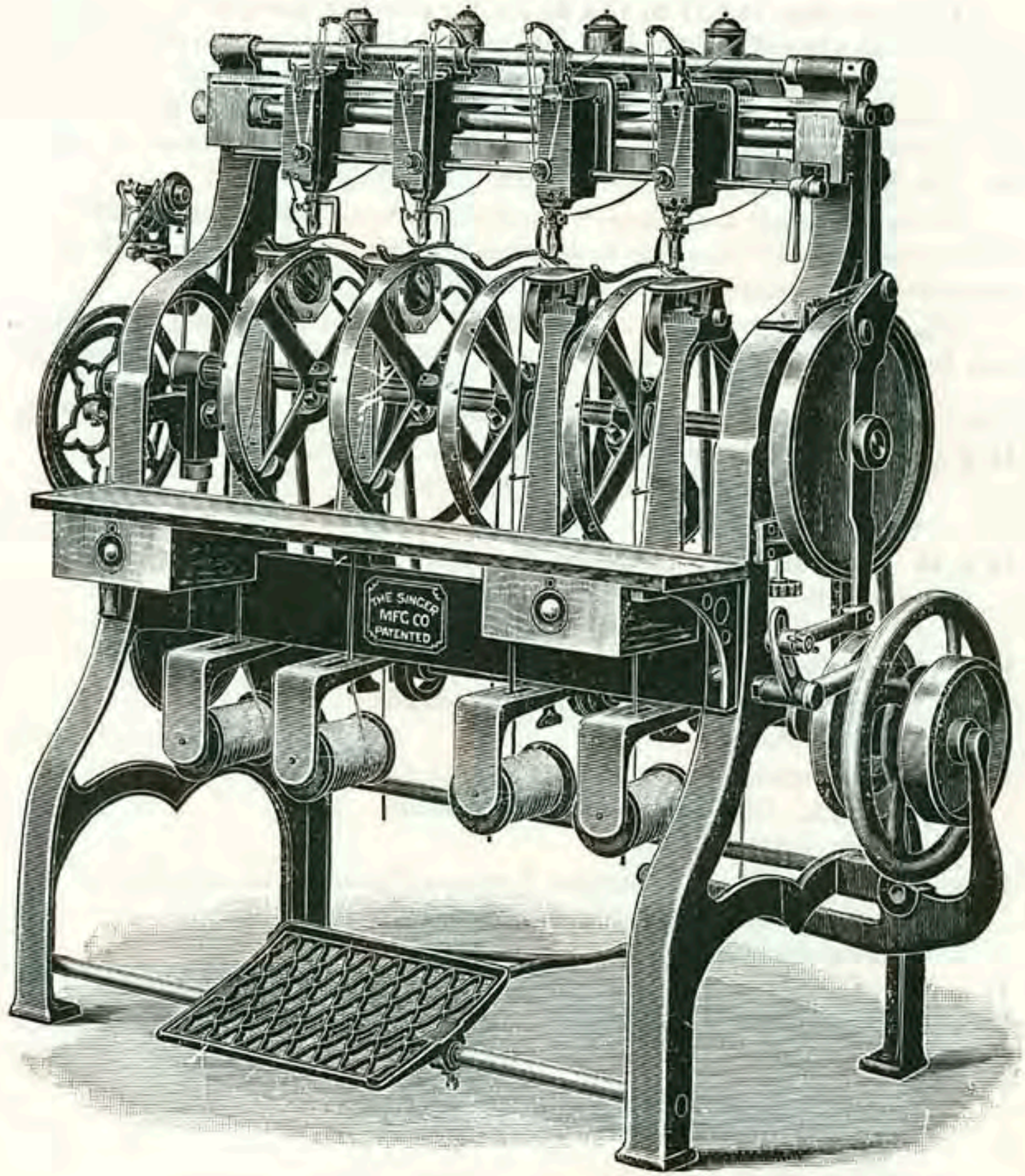
When ordering Machines of Class 14 K it is necessary to furnish, for testing the machines, 25 of the cards to be used, a lacing sample to determine the correct pitch of the studs, and a sample of the lacing cord or braid.

Machines are fitted for either mechanical or foot power and, if required, may be fitted for both at an extra charge. Orders must state which is required.

NO.	DESCRIPTION	PRICE
14 K 9	FOR LACING JACQUARD PATTERN CARDS up to 26 inches in length. Vibrating shuttle. Three heads..... Cipher, AHJOS.	
14 K 10	FOR LACING JACQUARD PATTERN CARDS up to 26 inches in length. Vibrating shuttle. Four heads..... Cipher, AHJUT.	
14 K 11	FOR LACING JACQUARD PATTERN CARDS up to 26 inches in length. Vibrating shuttle. Five heads..... Cipher, AHJYV.	
14 K 12	FOR LACING JACQUARD PATTERN CARDS up to 26 inches in length. Vibrating shuttle. Six heads..... Cipher, AHKAP.	
14 K 13	FOR LACING JACQUARD PATTERN CARDS up to 42 inches in length. Vibrating shuttle. Three heads..... Cipher, AHKER.	
14 K 14	FOR LACING JACQUARD PATTERN CARDS up to 42 inches in length. Vibrating shuttle. Four heads..... Cipher, AHKIS.	
14 K 15	FOR LACING JACQUARD PATTERN CARDS up to 42 inches in length. Vibrating shuttle. Five heads..... Cipher, AHKOT.	
14 K 16	FOR LACING JACQUARD PATTERN CARDS up to 42 inches in length. Vibrating shuttle. Six heads..... Cipher, AHKUV.	



MACHINES OF CLASS 14 K



4-HEAD 14K STITCHING MACHINE



## MACHINES OF CLASS 14 K

**Machines Nos. 14 k 17 to 14 k 24** are for stitching Jacquard Pattern Cards together with a line of braid on each side, instead of lacing them. These machines are of the same general design and appearance as the Lacing Machines, with the same number of heads and the same adjustments. The cylinder shuttles are of the well-known oscillating type, 2½" in diameter, and are the same as used in the 45 k Machines. The length of stitch is adjustable up to ½".

When ordering it is necessary to furnish, for testing the machines, 25 of the cards to be used, a laced sample to determine the correct pitch of the studs on the feed wheels, and samples of the braid and thread.

Machines are fitted for either mechanical or foot power and, if required, may be fitted for both at an extra charge. Orders must state which is required.

NO.	DESCRIPTION	PRICE
14 k 17	FOR STITCHING JACQUARD PATTERN CARDS up to 26 inches in length. Oscillating shuttle. Three heads..... Cipher, AHKYW.	
14 k 18	FOR STITCHING JACQUARD PATTERN CARDS up to 26 inches in length. Oscillating shuttle. Four heads..... Cipher, AHLAR.	
14 k 19	FOR STITCHING JACQUARD PATTERN CARDS up to 26 inches in length. Oscillating shuttle. Five heads..... Cipher, AHLES.	
14 k 20	FOR STITCHING JACQUARD PATTERN CARDS up to 26 inches in length. Oscillating shuttle. Six heads..... Cipher, AHLIT.	
14 k 21	FOR STITCHING JACQUARD PATTERN CARDS up to 42 inches in length. Oscillating shuttle. Three heads..... Cipher, AHLOV.	
14 k 22	FOR STITCHING JACQUARD PATTERN CARDS up to 42 inches in length. Oscillating shuttle. Four heads..... Cipher, AHLUW.	
14 k 23	FOR STITCHING JACQUARD PATTERN CARDS up to 42 inches in length. Oscillating shuttle. Five heads..... Cipher, AHLYX.	
14 k 24	FOR STITCHING JACQUARD PATTERN CARDS up to 42 inches in length. Oscillating shuttle. Six heads..... Cipher, AHMAS.	



## MACHINES OF CLASS 15

Bed  $14\frac{5}{8}$  inches long,  $6\frac{1}{2}$  inches clear space at right of needle. Oscillating shuttle mechanism. Knee lifter except on machines for family use.



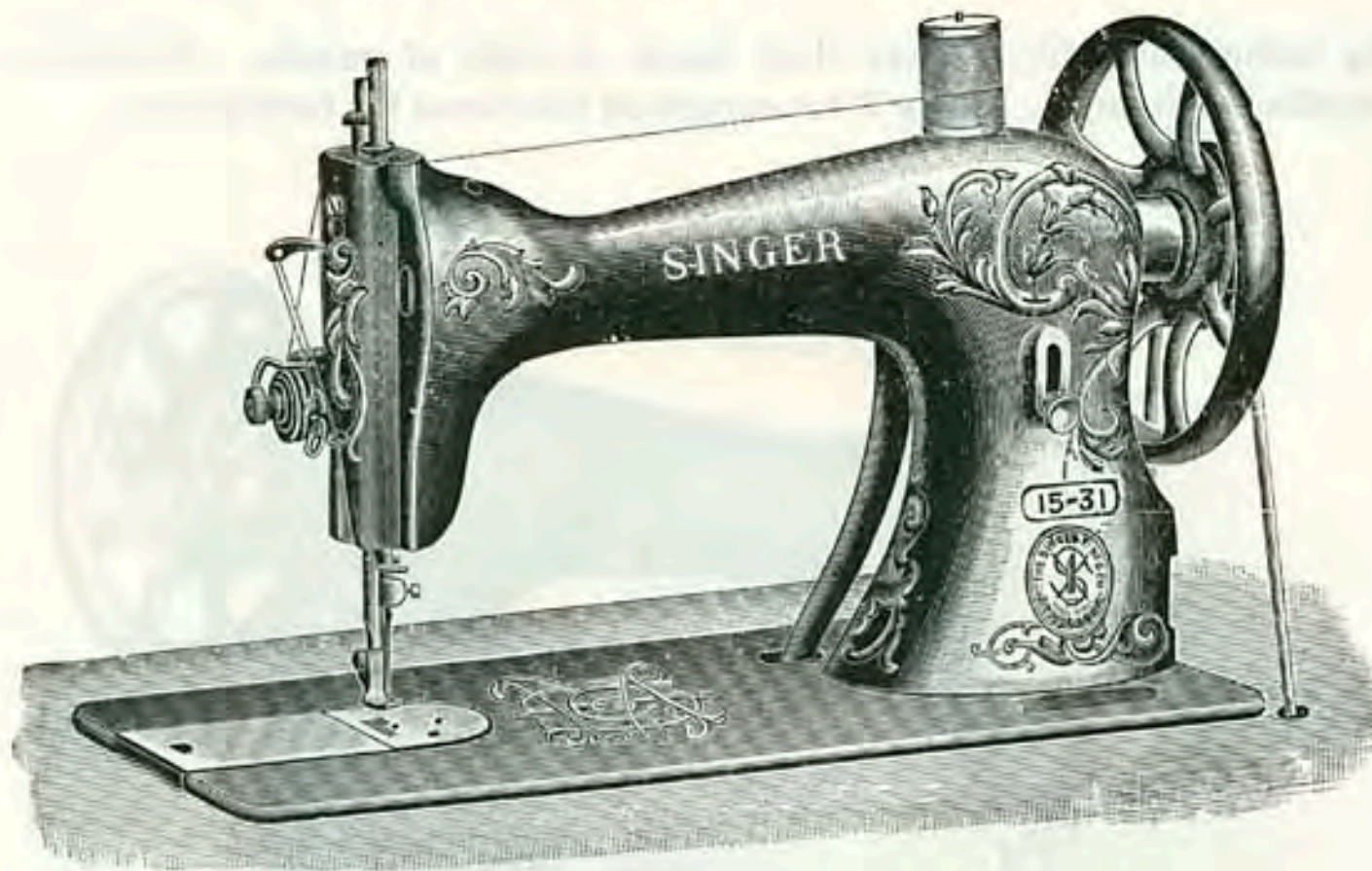
MACHINE No. 15-30

The machines of Class 15 are largely used for the manufacture of nearly every variety of garments, and other articles in cloth and leather, and are especially desirable for use by foot power upon stand. See Form 9010.

NO.	DESCRIPTION	PRICE
15-30	FAMILY. Shuttle No. 15100. C. B., drop feed, H. O. . . . . Ciper, ECHEL. Weight in lbs., 25 net, 42 gross. Cubic meas., 1 ft. 6 in.	\$ — —
15-31	FOR CLOTH. Shuttle No. 15100. C. B., drop feed. Balance wheel No. 2968. Diameter of belt groove $2\frac{1}{4}$ inches. . . . . Speed 1600. Ciper, ECHIM. Weight in lbs., 31 net, 49 gross. Cubic meas., 1 ft. 9 in.	



MACHINES OF CLASS 15



MACHINE No. 15-31

NO.	DESCRIPTION	PRICE
15-33	FOR LEATHER. Shuttle No. 15233, C. B., wheel feed. Balance wheel No. 2968. Diameter of belt groove $2\frac{1}{4}$ inches. . . . . Speed 1600. Cipher, ECHYP. Weight in lbs., 31 net, 50 gross. Cubic meas., 1 ft. 9 in.	
15-35	FOR SHIRTS, LINEN AND COTTON GOODS. Shuttle No. 15100, C. B., drop feed. Balance wheel No. 2968. Diameter of belt groove $2\frac{1}{2}$ inches. . . . . Speed 1600. Cipher, ECJEM. Weight in lbs., 31 net, 49 gross. Cubic meas., 1 ft. 9 in.	
15-36	FOR GLOVE WORK. Shuttle No. 15233, C. B., has vertical trimmer with yielding presser. Wheel feed and C. S. M. Balance wheel No. 2008. Diameter of belt groove $2\frac{1}{4}$ inches. . . . . Speed 1400. Cipher, ECJIN. Weight in lbs., 33 net, 55 gross. Cubic meas., 2 ft. 5 in.	
15-50	FAMILY. Shuttle No. 15100, C. B., drop feed, H. O., with hand attachment. . . . . Cipher, ECLOR. Weight in lbs., 27 net, 44 gross. Cubic meas., 1 ft. 6 in.	— —
15-60	FOR FAMILY USE. . . . . Cipher, ECLUS.	— —

Machine Head with B. T. Motor and Singerlight  
 Weight in lbs., 33 net, 54 gross. Cubic meas., 1 ft. 9 in.

Portable Case No. 194  
 Weight in lbs., 8 net, 18 gross. Cubic meas., 1 ft. 8 in.

NOTE. This is the 15-30 Machine with B. T. Motor and Singerlight. Orders for this machine must give the number of the motor required, so that the correct voltage and cycles can be furnished.



MACHINES OF CLASS 15



MACHINE NO. 15-62 ON CABINET NO. 40

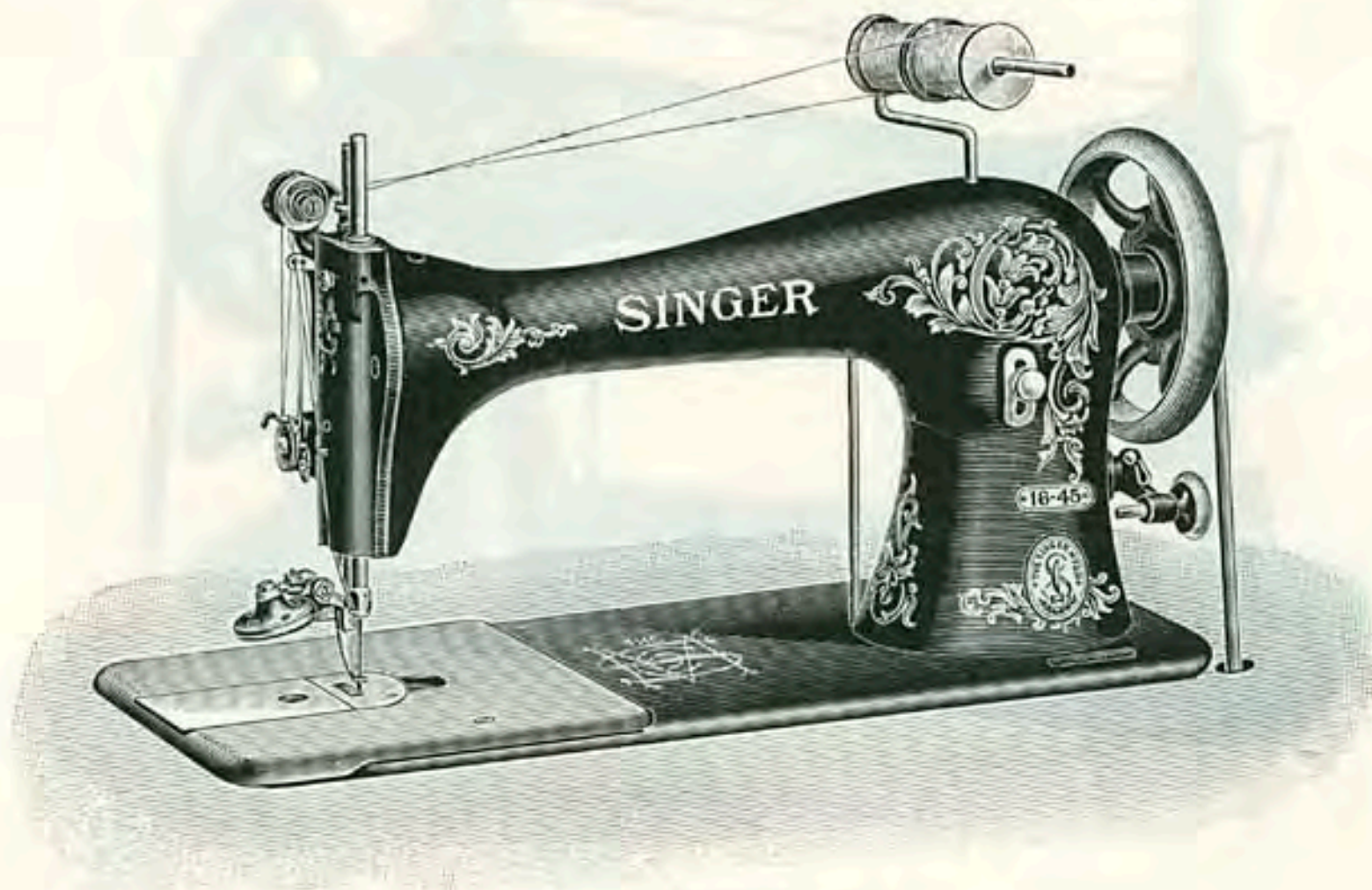
NO.	DESCRIPTION	PRICE
15-62	FOR FAMILY USE.....	
	Cipher, ECLUW.	
	Machine Head with B. U. Motor and Singerlight	
	Weight in lbs., 29 net, 46 gross. Cubic meas., 1 ft. 6 in.	
	Library Table Set No. 40	
	Weight in lbs., 40 net, 86 gross. Cubic meas., 5 ft. 2 in.	

NOTE. This is the 15-30 Machine with B. U. Motor (with carbon resistance unit) Singerlight and Balance Wheel No. 32672. For Library Table Set No. 40. Orders for this machine must give the number of the motor required, so that the correct voltage and cycles can be furnished.



## MACHINES OF CLASS 16

Bed 19 inches long, 10½ inches clear space at right of needle. Oscillating shuttle mechanism. Knee lifters, unless otherwise ordered.



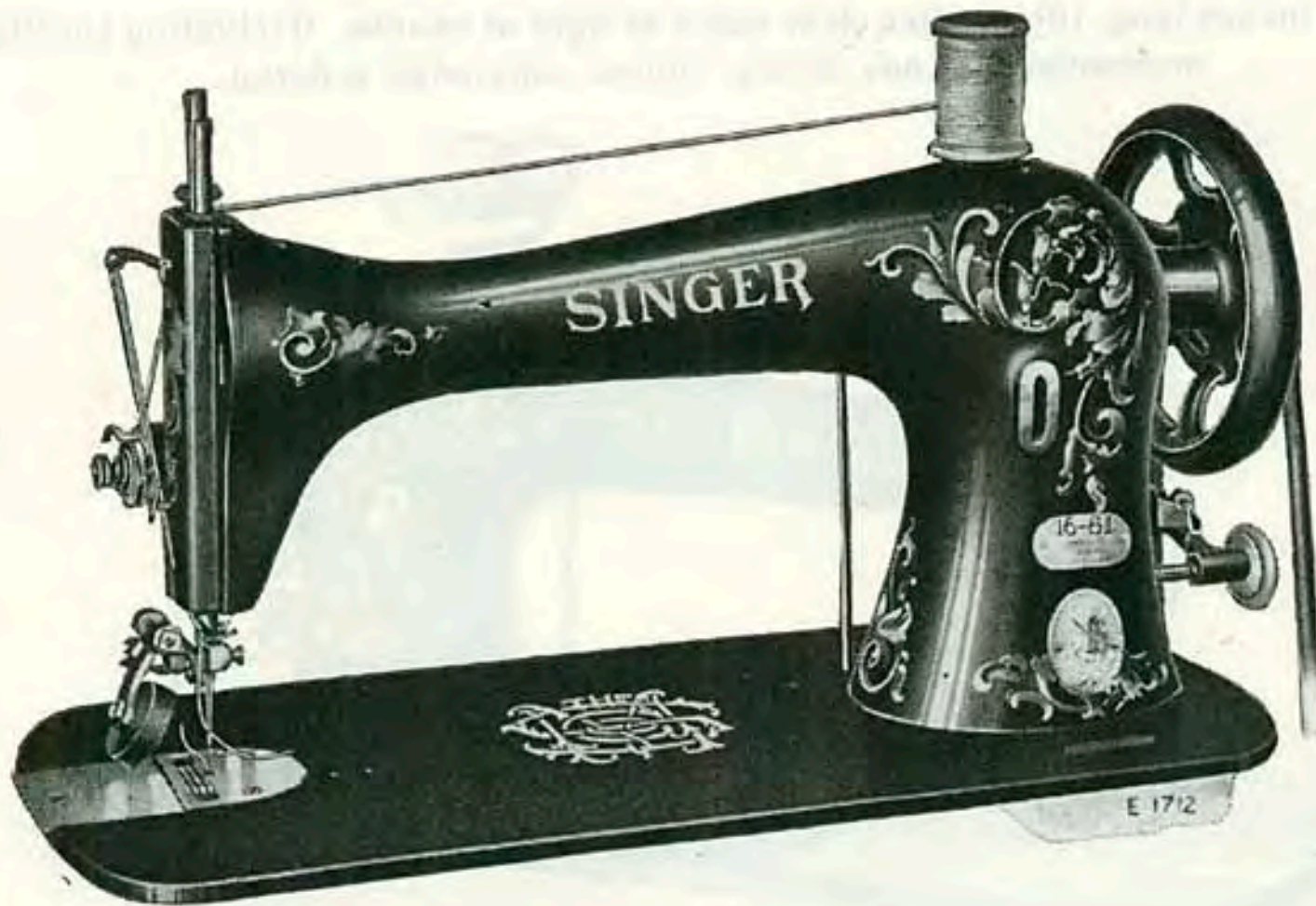
MACHINE No. 16-45

The machines of Class 16 are used for an immense variety of work in clothing and heavier work in woven fabrics, also in shoe work and many other articles in leather; different varieties can be fitted upon order with lap seam fellers, folders, binders, corders and other attachments. See Form 9011.

NO.	DESCRIPTION	PRICE
<b>16-30</b>	<b>FOR LEATHER.</b> Long beak shuttle No. 2208, drop feed, has vertical trimmer. Balance wheel No. 4388. Diameter of belt groove 2¾ inches. . . . . Speed 1400. Cipher, ECMUT. Weight in lbs., 46 net, 69 gross. Cubic meas., 2 ft. 4 in.	
<b>16-44</b>	<b>FOR SHOE VAMPING.</b> Two needles, long beak shuttles, ½ to 5/8 inch gauge; (shuttles Nos. 3225 and 3227 for ½ to 3/8 inch gauge. Shuttles Nos. 3225 and 3228 for 1/8 to 5/8 inch gauge). Drop feed. Balance wheel No. 4370. Diameter of belt groove 2 1/16 inches. Speed 1400. Cipher, ECREV. Weight in lbs., 52 net, 73 gross. Cubic meas., 2 ft. 4 in.	
<b>16-45</b>	<b>FOR SHOE VAMPING.</b> Wheel feed, otherwise same as Machine No. 16-44 . . . . . Speed 1400. Cipher, ECROX. Weight in lbs., 52 net, 76 gross. Cubic meas., 2 ft. 6 in.	
<b>16-46</b>	<b>FOR SHOE VAMPING.</b> Made in gauges from 3/8 to 15/8 inch, shuttles Nos. 3229 and 3380, otherwise same as Machine No. 16-44 . . . . . Speed 1400. Cipher, ECRUN. Weight in lbs., 52 net, 73 gross. Cubic meas., 2 ft. 4 in.	



MACHINES OF CLASS 16



MACHINE No. 16-81

NO.	DESCRIPTION	PRICE
<b>16-81</b>	<p>FOR BOOK AND PAMPHLET STITCHING. Makes stitches from <math>\frac{1}{4}</math> to <math>\frac{15}{16}</math> inch, maximum thickness <math>\frac{3}{16}</math> inch. Shuttle No. 15100, C. B., drop feed, roller presser. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{11}{16}</math> inches.....</p> <p>Speed 150. Cipher, ECTUB. See Form 9313.</p> <p>Weight in lbs., 49 net, 75 gross. Cubic meas., 2 ft. 6 in.</p>	
<b>16-97</b>	<p>FOR EMBROIDERING INITIALS, MONOGRAMS, CRESTS, FLORAL DESIGNS, ETC., using heavy silk, floss or chenille. Shuttle No. 2208, C. S. M. Balance wheel No. 2862. Diameter of belt groove 3 inches.....</p> <p>Cipher, EDCAF. See Form 9292.</p> <p>Weight in lbs., 49 net, 71 gross. Cubic meas., 2 ft. 4 in.</p>	



MACHINES OF CLASS 16



MACHINE No. 16-133

NO.	DESCRIPTION	PRICE
16-127	FOR LEATHER. Long beak shuttle No. 2208; drop feed. Balance wheel No. 4388. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1500. Cipher, EDCPT. Weight in lbs., 48 net, 68 gross. Cubic meas., 2 ft. 3 in.	
16-128	FOR LEATHER. Long beak shuttle No. 2208; wheel feed. Balance wheel No. 4388. Diameter of belt groove $2\frac{3}{4}$ inches Speed 1500. Cipher, EDCPU. Weight in lbs., 48 net, 71 gross. Cubic meas., 2 ft. 5 in.	
16-133	FOR CLOTH. Shuttle No. 15100. C. B., drop feed. Balance wheel No. 80504. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1800. Cipher, EDCOM. Weight in lbs., 43 net, 67 gross. Cubic meas., 2 ft. 3 in.	

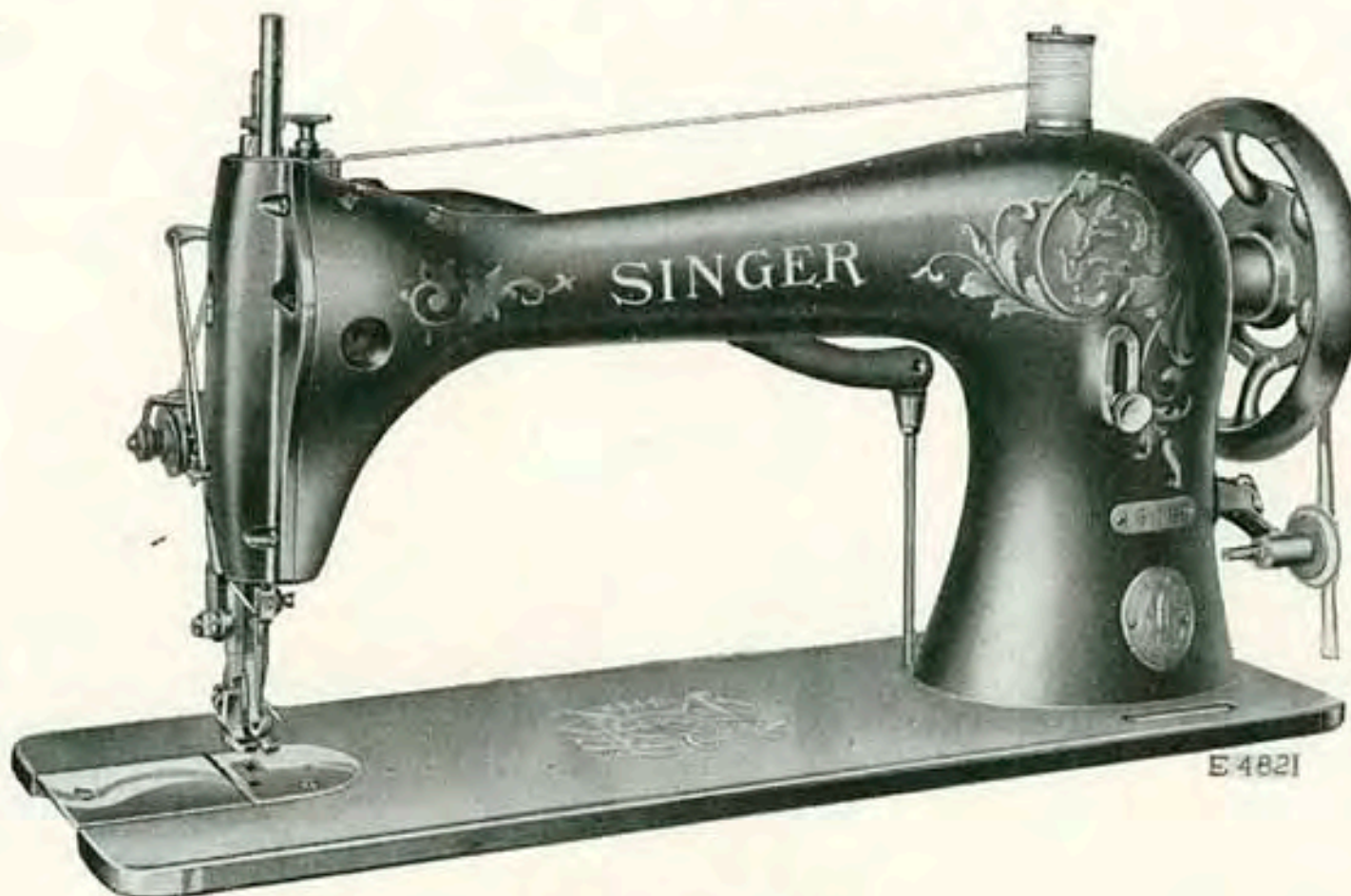


## MACHINES OF CLASS 16

NO.	DESCRIPTION	PRICE
16-136	FOR LEATHER. Shuttle No. 15100; C. B., drop feed. Balance wheel No. 4388. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1600. Cipher, EDCRF. Weight in lbs., 48 net, 71 gross. Cubic meas., 2 ft. 5 in.	
16-137	FOR LEATHER. Shuttle No. 15100; C. B., wheel feed. Balance wheel No. 4388. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1600. Cipher, EDCRG. Weight in lbs., 47 net, 71 gross. Cubic meas., 2 ft. 5 in.	
16-141	FOR CLOTH OR LEATHER. Drop feed; alternating pressers. Central bobbin, shuttle No. 15100. Balance wheel No. 4388. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1400. Cipher, EDCRL. See Form 9601. Weight in lbs., 46 net, 69 gross. Cubic meas., 2 ft. 3 in.	



MACHINES OF CLASS 16



MACHINE No. 16-188

NO.	DESCRIPTION	PRICE
16-188	<p>FOR GENERAL WORK IN FABRICS. High lift; independent upper and under feeds. Central bobbin, shuttle No. 15100. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{1}{8}</math> inches. Speed 1400. Cipher, EDCTN. See Form 9652. Weight in lbs., 50 net, 72 gross. Cubic meas., 2 ft. 3 in.</p> <p>NOTE. The action of either feed of Machine No. 16-188 can be adjusted independently of the other, so as to cause the upper or the under piece of the fabric to be moved forward faster than the other if so desired. This feature is valuable when stitching goods, the upper piece of which would be retarded in its forward movement if the ordinary presser foot and single feed were used.</p>	
16-196	<p>FOR BOOTS AND SHOES, FOR EDGE AND UNDEREDGE TRIMMING. Low point, long beak shuttle No. 2208, horizontal trimmer, drop feed. Balance wheel No. 4388. Diameter of belt groove <math>2\frac{3}{4}</math> inches. Speed 1400. Cipher, EDCTW. Weight in lbs., 44 net, 67 gross. Cubic meas., 2 ft. 3 in.</p>	



## MACHINES OF CLASS 17

Cylinder bed. Balance wheel at right hand. Bed  $16\frac{1}{2}$  inches long,  $2\frac{1}{2}$  inches diameter at end, except as otherwise described;  $10\frac{1}{2}$  inches clear space at right of needle. Oscillating shuttles.  
Knee or foot lifter.



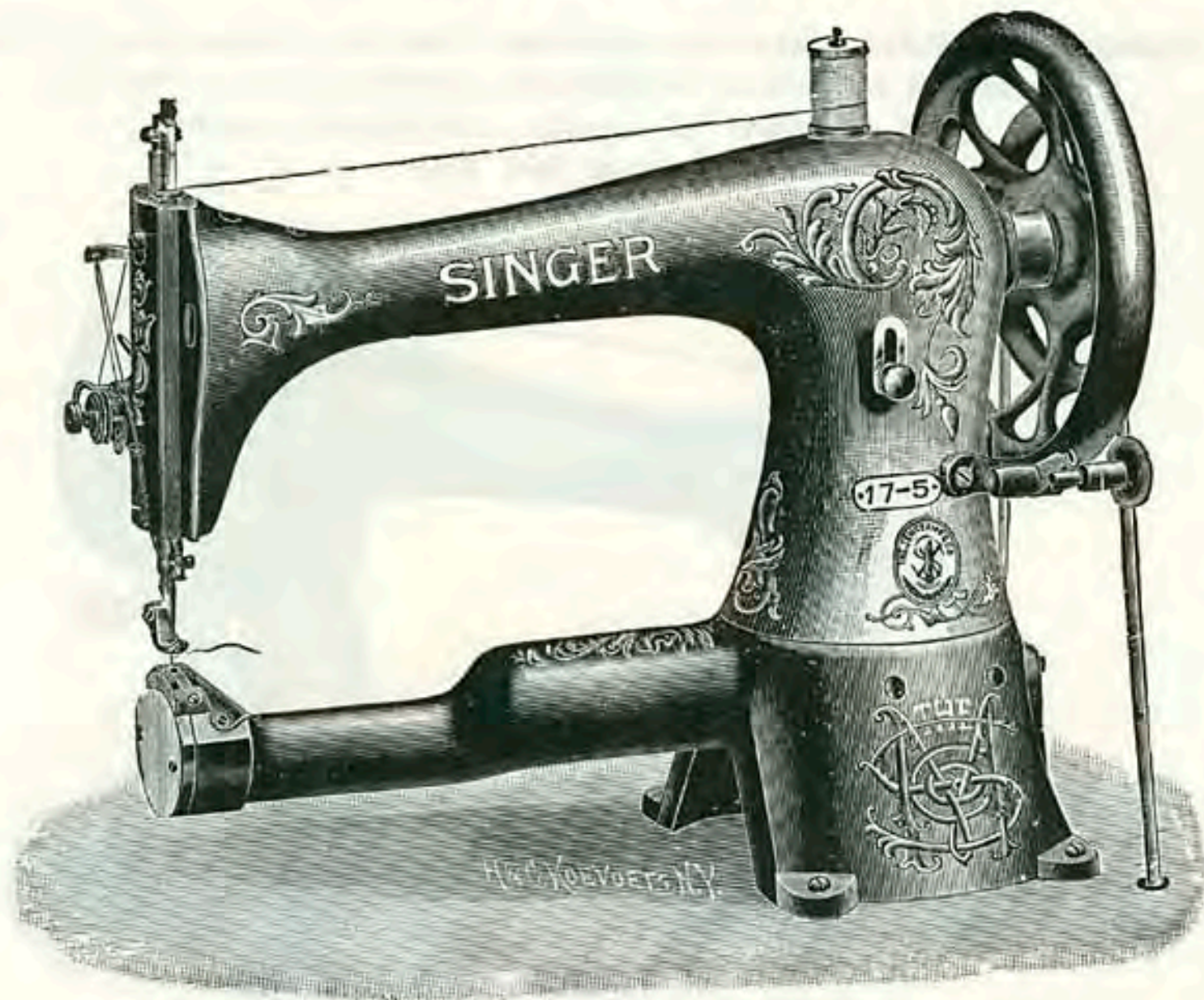
MACHINE No. 17-1

The machines of Class 17 are for stitching tubular, concave or hollow articles that cannot be stitched upon a machine having a flat bed or work plate, but flat work plates can be furnished upon order. All have long beak shuttles unless otherwise described. See Forms 9573, 9575 and 9576.

NO.	DESCRIPTION	PRICE
17-1	FOR SHOES. Shuttle No. 6028, drop feed across arm at left of needle, roller presser. Balance wheel No. 4370. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 1200. Cipher, EDCUK. Weight in lbs., 41 net, 62 gross. Cubic meas., 2 ft. 5 in.	
17-2	FOR SHOES. Shuttle No. 6028, drop feed across arm at right of needle, roller presser. Balance wheel No. 4370. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 1200. Cipher, EDCYL. Weight in lbs., 44 net, 64 gross. Cubic meas., 2 ft. 5 in.	



MACHINES OF CLASS 17

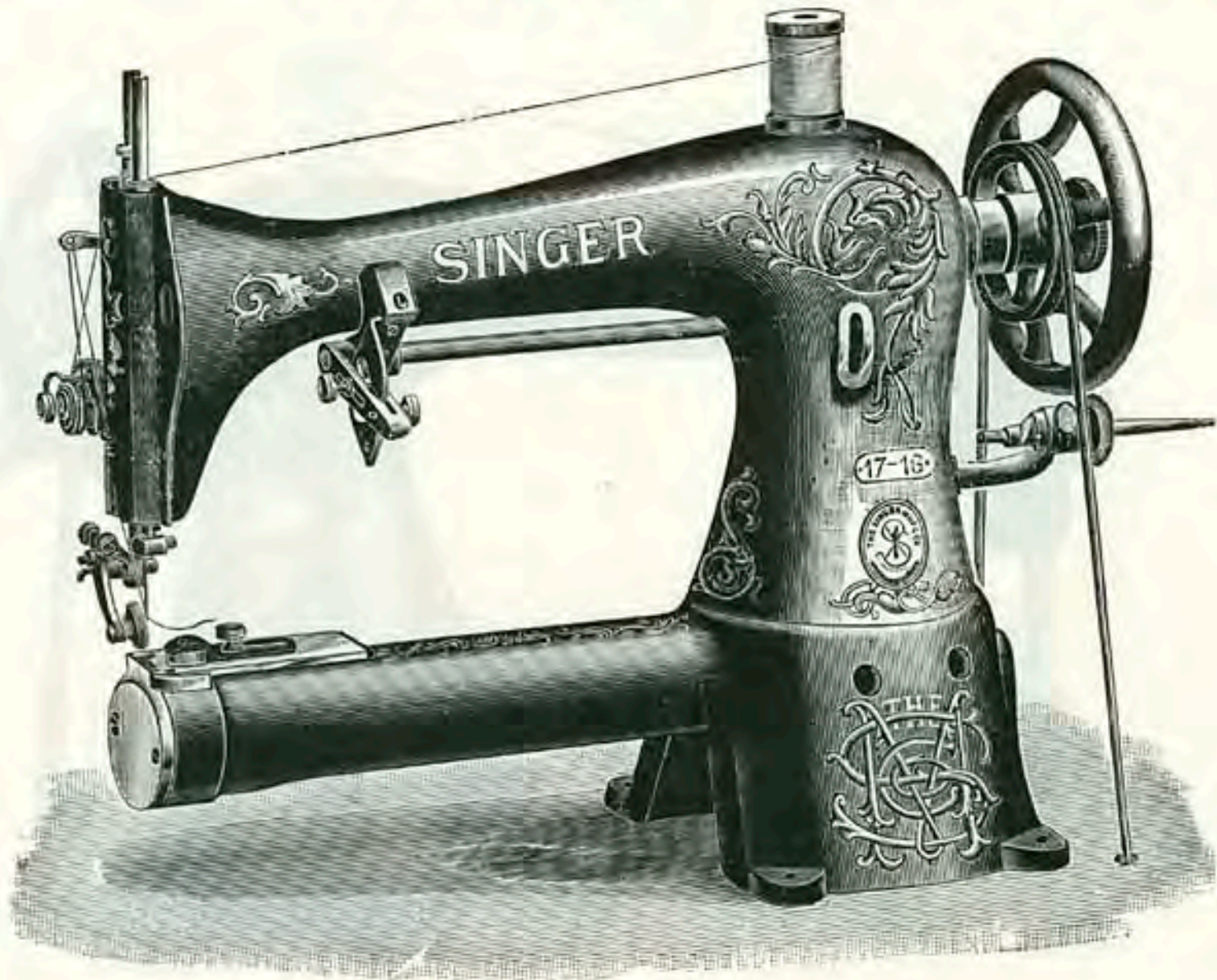


MACHINE No 17-5

NO.	DESCRIPTION	PRICE
17-5	<p>FOR HORSE BOOTS AND OTHER CONCAVE ARTICLES IN LEATHER. Shuttle No. 6028, drop feed across arm. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches. . . . . Speed 800. Cipher, EDDIJ. Weight in lbs., 44 net, 64 gross. Cubic meas., 2 ft. 5 in.</p> <p>NOTE. The end of the cylinder bed containing the throat plate and feed dog is raised and rounded, thus permitting an entrance to cup-shaped surfaces which would be difficult to reach by other means. (See also Machines Nos. 17-12 and 17-24).</p>	
17-7	<p>FOR CLOTH OR LEATHER. Two needles, two shuttles; gauges <math>\frac{1}{32}</math> to <math>\frac{3}{4}</math> inch. (Shuttles Nos. 3226 and 4648 for <math>\frac{1}{32}</math> to <math>\frac{3}{64}</math> inch gauge; 3226 and 3229 for <math>\frac{1}{16}</math> to <math>\frac{5}{64}</math> inch gauge; 3381 and 3229 for <math>\frac{3}{32}</math> to <math>\frac{15}{64}</math> inch gauge; 3226 and 4729 for <math>\frac{1}{4}</math> inch gauge; 3226 and 3521 for <math>\frac{17}{64}</math> to <math>\frac{19}{64}</math> inch gauge; 3381 and 3521, for <math>\frac{5}{16}</math> to <math>\frac{3}{4}</math> inch gauge). Drop feed across arm. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{11}{16}</math> inches. . . . . Speed 1200. Cipher, EDDUL. Weight in lbs., 40 net, 62 gross. Cubic meas., 2 ft. 5 in.</p>	
17-8	<p>FOR CLOTH OR LEATHER. Shuttle No. 6028, drop feed across arm, alternating pressers. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{11}{16}</math> inches. . . . . Speed 1200. Cipher, EDDYM. Weight in lbs., 42 net, 64 gross. Cubic meas., 2 ft. 5 in.</p>	
17-11	<p>FOR LEATHER. Has shuttle No. 6028, vertical trimmer, drop feed across arm. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{11}{16}</math> inches. . . . . Speed 1200. Cipher, EDFIK. Weight in lbs., 41 net, 62 gross. Cubic meas., 2 ft. 5 in.</p>	



MACHINES OF CLASS 17



MACHINE No. 17-16

NO.	DESCRIPTION	PRICE
17-12	<p>FOR HORSE BOOTS AND OTHER CONCAVE ARTICLES IN LEATHER. Has shuttle No. 6028, upper feed across arm only and presser feed point for <math>\frac{1}{8}</math> inch "set" stitch. Presser feed points for <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, <math>\frac{1}{10}</math> and <math>\frac{1}{12}</math> inch "set" stitch can be furnished if so ordered at an extra cost. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches. . . . .                      Speed 800. Ciper, EDFOL.                      Weight in lbs., 44 net, 64 gross. Cubic meas., 2 ft. 5 in.                      See also Machines Nos. 17-5 and 17-24.</p>	
17-15	<p>FOR PORTFOLIOS AND POCKET BOOKS. Has shuttle No. 6028, drop feed across arm. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{11}{16}</math> inches. . . . .                      Speed 1200. Ciper, EDGAK.                      Weight in lbs., 45 net, 66 gross. Cubic meas., 2 ft. 5 in.</p>	
17-16	<p>FOR PORTFOLIOS AND POCKET BOOKS. Has shuttle No. 6028, reversible drop feed across arm. Roller presser. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{11}{16}</math> inches. . . . .                      Speed 1200. Ciper, EDGEL.                      Weight in lbs., 43 net, 65 gross. Cubic meas., 2 ft. 5 in.</p>	
17-17	<p>FOR MAKING CAPS. Has shuttle No. 6028, <math>1\frac{5}{8}</math> inch extension of bed to left of needle, drop feed across arm. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{11}{16}</math> inches. . . . .                      Speed 1200. Ciper, EDGIM.                      Weight in lbs., 43 net, 65 gross. Cubic meas., 2 ft. 5 in.</p>	
17-19	<p>FOR STITCHING close to a shoulder and in corners. Needle descends <math>\frac{3}{8}</math> inch from end of bed. Shuttle No. 6909, drop feed across arm at right of needle. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{11}{16}</math> inches. . . . .                      Speed 1000. Ciper, EDGYP.                      Weight in lbs., 40 net, 63 gross. Cubic meas., 2 ft. 5 in.</p>	



## MACHINES OF CLASS 17

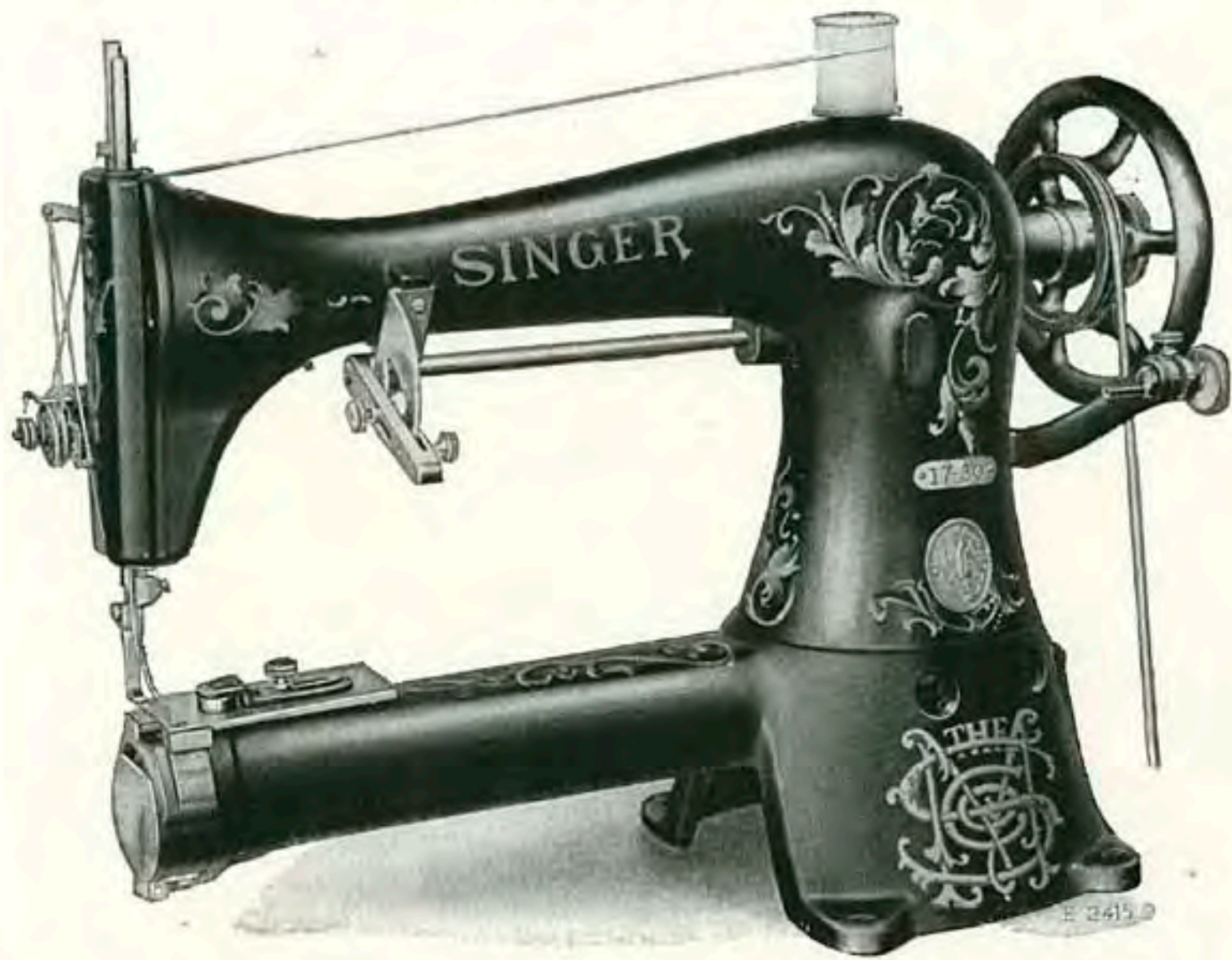


MACHINE No. 17-28

NO.	DESCRIPTION	PRICE
17-22	FOR LEATHER. Shuttle No. 16613, C. B., cylinder bed, $1\frac{7}{8}$ inches diameter, drop feed across arm at right of needle, roller presser. Balance wheel No. 4370. Diameter of belt groove $2\frac{1}{16}$ inches. . . . Speed 1200. Cipher, EDHIN. Weight in lbs., 39 net, 60 gross. Cubic meas., 2 ft. 5 in.	
17-23	FOR LEATHER. Has feed at left of needle, otherwise same as Machine No. 17-22. . . . . Speed 1200. Cipher, EDHUP. Weight in lbs., 40 net, 63 gross. Cubic meas., 2 ft. 5 in.	
17-24	FOR SADDLES, FINE LEATHER BAGS AND OTHER CONCAVE OR HOLLOW ARTICLES IN LEATHER. Has shuttle No. 6028, upper feed across arm and presser feed point for $\frac{1}{8}$ inch "set" stitch. Presser feed points for $\frac{1}{4}$ , $\frac{1}{5}$ , $\frac{1}{10}$ and $\frac{1}{12}$ inch "set" stitch can be furnished if so ordered at an extra cost. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches . . . . . Speed 800. Cipher, EDHYR. Weight in lbs., 40 net, 62 gross. Cubic meas., 2 ft. 5 in.	
17-25	FOR CLOTH OR LEATHER. Has shuttle No. 16613, C. B., cylinder $1\frac{7}{8}$ inches diameter, drop feed across arm, alternating pressers. Balance wheel No. 4370. Diameter of belt groove $2\frac{1}{16}$ inches. . . . Speed 1200. Cipher, EDJAM. Weight in lbs., 39 net, 60 gross. Cubic meas., 2 ft. 5 in.	
17-28	FOR DARNING STOCKINGS. Has shuttle No. 16735, C. B., removable work plate No. 16720 for darning table linen, towels, etc. Cylinder $1\frac{7}{8}$ inches diameter. No feeding mechanism. Presser rises automatically after each stitch is made. C. S. M. Balance wheel No. 2862. Diameter of belt groove 3 inches. . . . . Speed 1000. Cipher, EDJUR. See Form 9105. Weight in lbs., 36 net, 58 gross. Cubic meas., 2 ft. 5 in.	



MACHINES OF CLASS 17



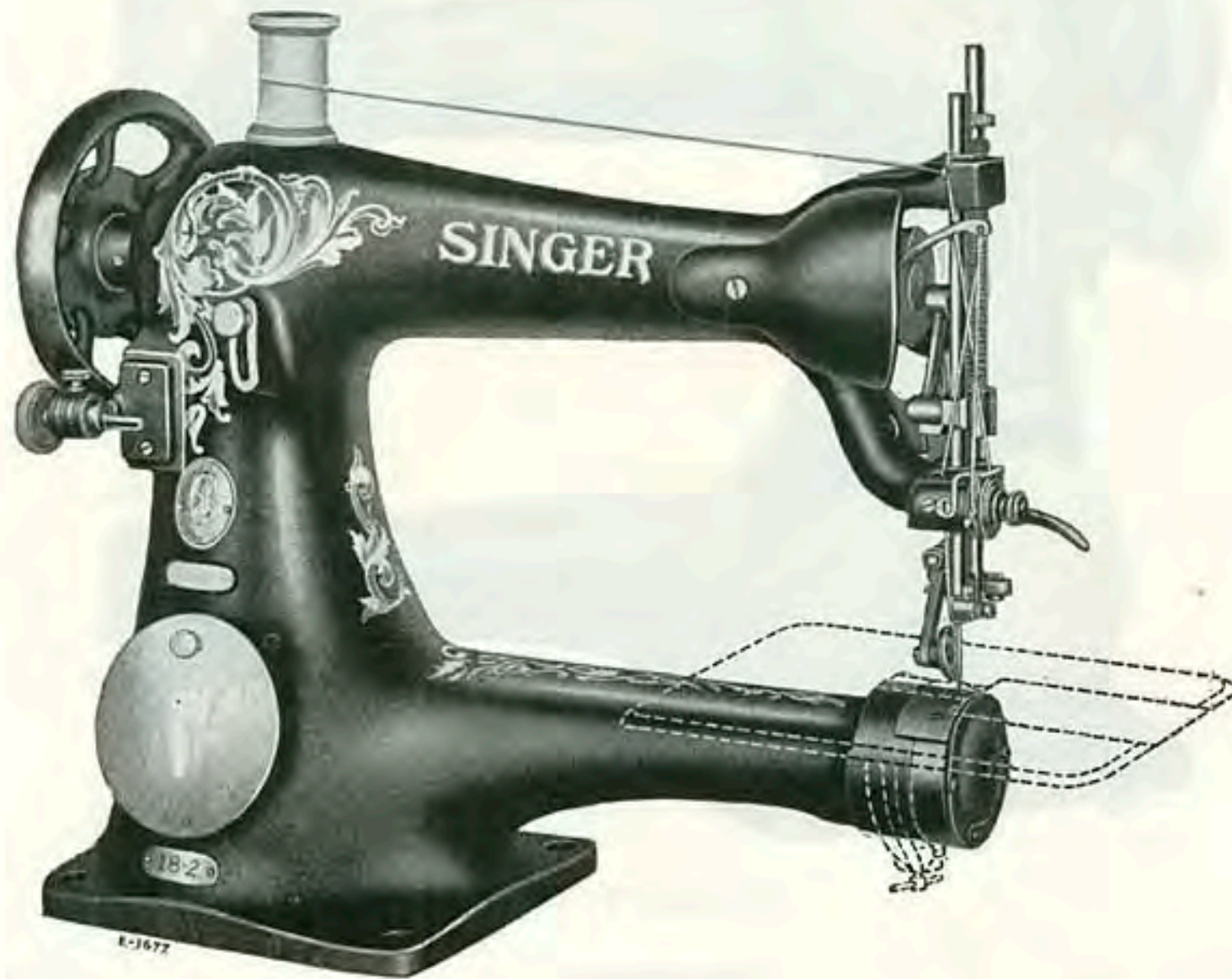
MACHINE No. 17-30

NO.	DESCRIPTION	PRICE
17-29	FOR PUMPS, EYELET TIES, BLUCHER OXFORDS, ETC. Has shuttle No. 6028, horizontal under trimmer, cylinder bed $2\frac{7}{16}$ inches diameter, drop feed across arm and roller presser. Balance wheel No. 4370. Diameter of belt groove $2\frac{11}{16}$ inches..... Speed 1600. Cipher, EDJYS. Weight in lbs., 40 net, 62 gross. Cubic meas., 2 ft. 5 in.	
17-30	FOR STITCHING GUSSETS IN PORTFOLIOS, POCKET BOOKS, ETC. Has shuttle No. 16869, reversible drop feed across arm. Balance wheel No. 2862. Diameter of belt groove 3 inches..... Speed 1200. Cipher, EDKAN. Weight in lbs., 40 net, 63 gross. Cubic meas., 2 ft. 5 in.	



## MACHINES OF CLASS 18

Cylinder bed. Balance wheel at left hand. Bed 16 inches long, 2½ inches diameter at end except as otherwise described; 10½ inches clear space at left of needle except in Machines Nos. 18-15 to 18-18 inclusive. Knee or foot lifter.



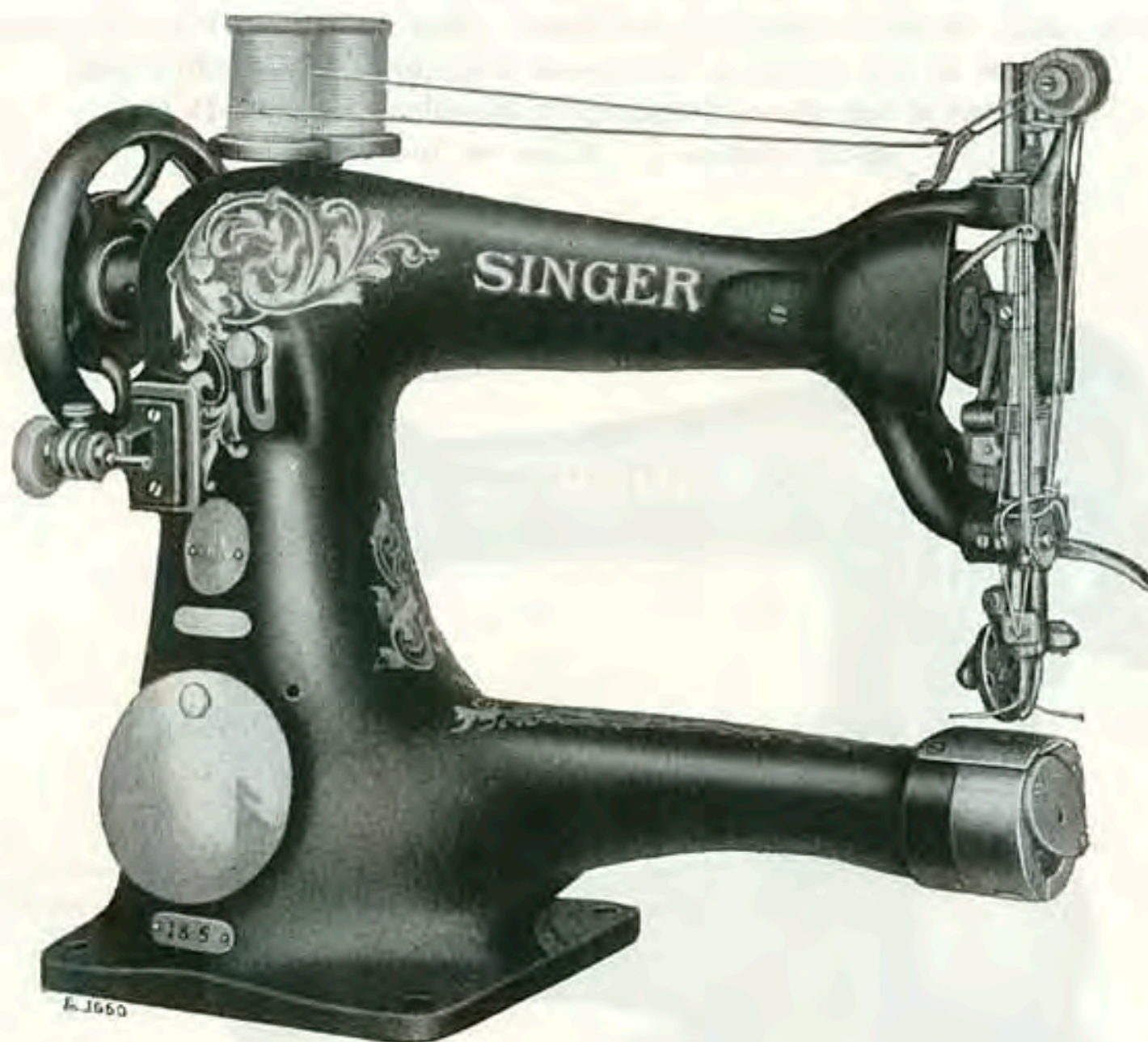
MACHINE NO. 18-2

The machines of Class 18 are very largely used for vamping and other work in shoes, and are well adapted to other work in leather where it is desirable to have the balance wheel at the left hand. These machines can be furnished with a flat work plate if so ordered. See Form 9015.

NO.	DESCRIPTION	PRICE
18-1	FOR SHOE WORK. Has shuttle No. 6028, drop feed at right of needle, roller presser. Balance wheel No. 4370. Diameter of belt groove 2 1/16 inches. . . . . Speed 1400. Cipher, EDLOS. Weight in lbs., 48 net, 72 gross. Cubic meas., 2 ft. 4 in.	
18-2	FOR SHOE WORK. Has shuttle No. 6028, drop feed at left of needle, roller presser. Balance wheel No. 4370. Diameter of belt groove 2 1/16 inches. . . . . Speed 1400. Cipher, EDLUT. Weight in lbs., 48 net, 70 gross. Cubic meas., 2 ft. 5 in.	
18-3	FOR SHOE WORK. Wheel feed, otherwise same as Machine No. 18-2 Speed 1400. Cipher, EDLYV. Weight in lbs., 44 net, 66 gross. Cubic meas., 2 ft. 5 in.	



MACHINES OF CLASS 18

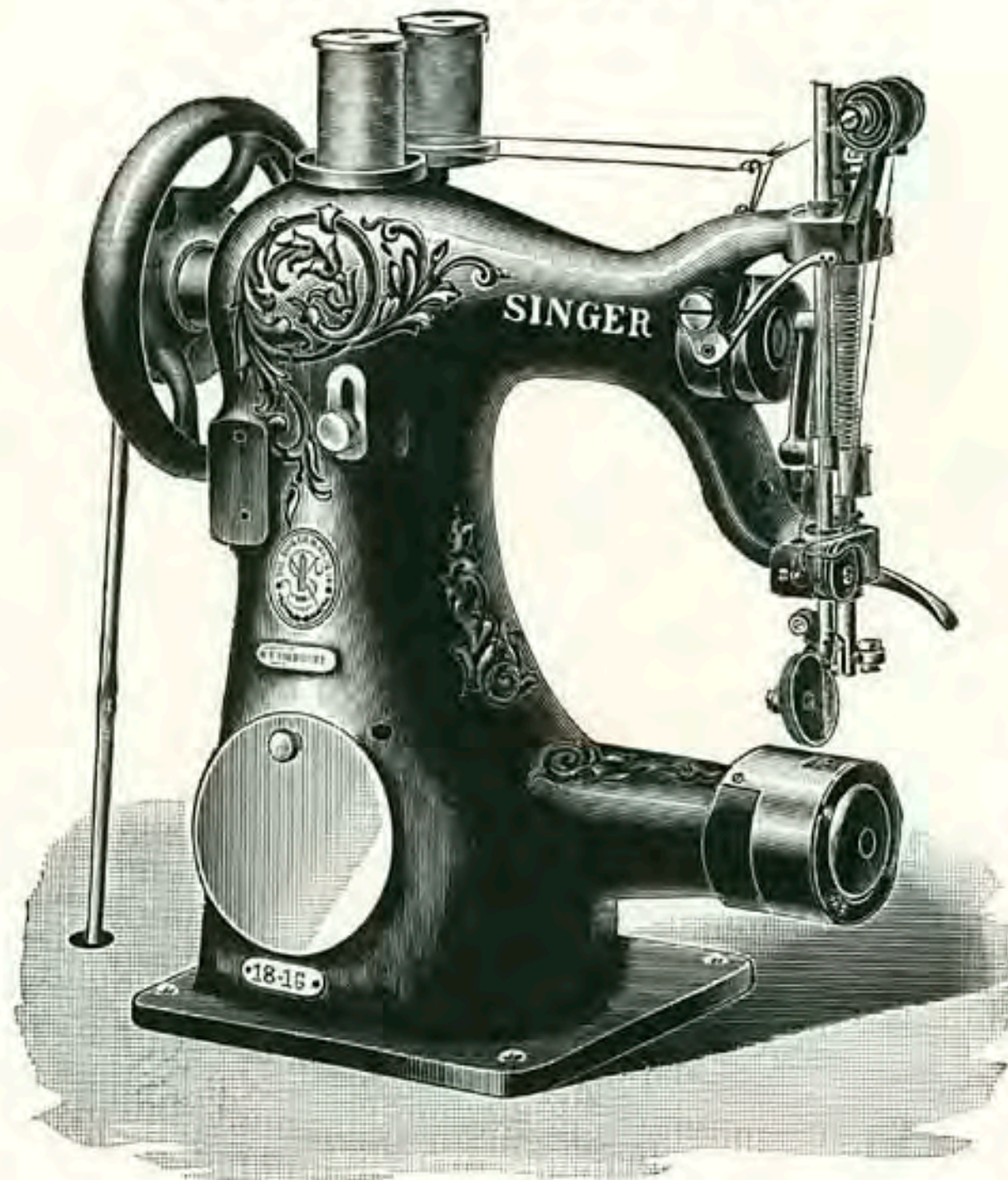


MACHINE NO. 18-5

NO.	DESCRIPTION	PRICE
18-5	<p>FOR SHOE VAMPING AND OTHER WORK IN LEATHER. Two needles, long beak shuttles, <math>\frac{1}{32}</math> to <math>\frac{1}{4}</math> inch gauge. (Shuttles Nos. 6628 and 6913 for <math>\frac{1}{32}</math> to <math>\frac{5}{64}</math> inch gauge; 6628 and 6909 for <math>\frac{3}{32}</math> to <math>\frac{1}{4}</math> inch gauge). Drop feed, roller presser. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{1}{16}</math> inches. . . . .                      Speed 1400. Cipher, EDMER.                      Weight in lbs., 48 net, 70 gross. Cubic meas., 2 ft. 5 in.</p>	
18-6	<p>FOR SHOE VAMPING. Wheel feed, gauges <math>\frac{1}{32}</math> to <math>\frac{1}{8}</math> inch. (Shuttles Nos. 6628 and 6913 for <math>\frac{1}{32}</math> to <math>\frac{5}{64}</math> inch gauge; 6628 and 6909 for <math>\frac{3}{32}</math> to <math>\frac{1}{8}</math> inch gauge). Otherwise same as Machine No. 18-5. . . . .                      Speed 1400. Cipher, EDMIS.                      Weight in lbs., 51 net, 70 gross. Cubic meas., 2 ft. 5 in.</p>	
18-7	<p>FOR SHOES. Shuttle No. 16023, C. B., cylinder 2 inches diameter, drop feed at left of needle. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{1}{16}</math> inches. . . . .                      Speed 1400. Cipher, EDMOT.                      Weight in lbs., 43 net, 65 gross. Cubic meas., 2 ft. 5 in.</p>	



## MACHINES OF CLASS 18



MACHINE NO. 18-16

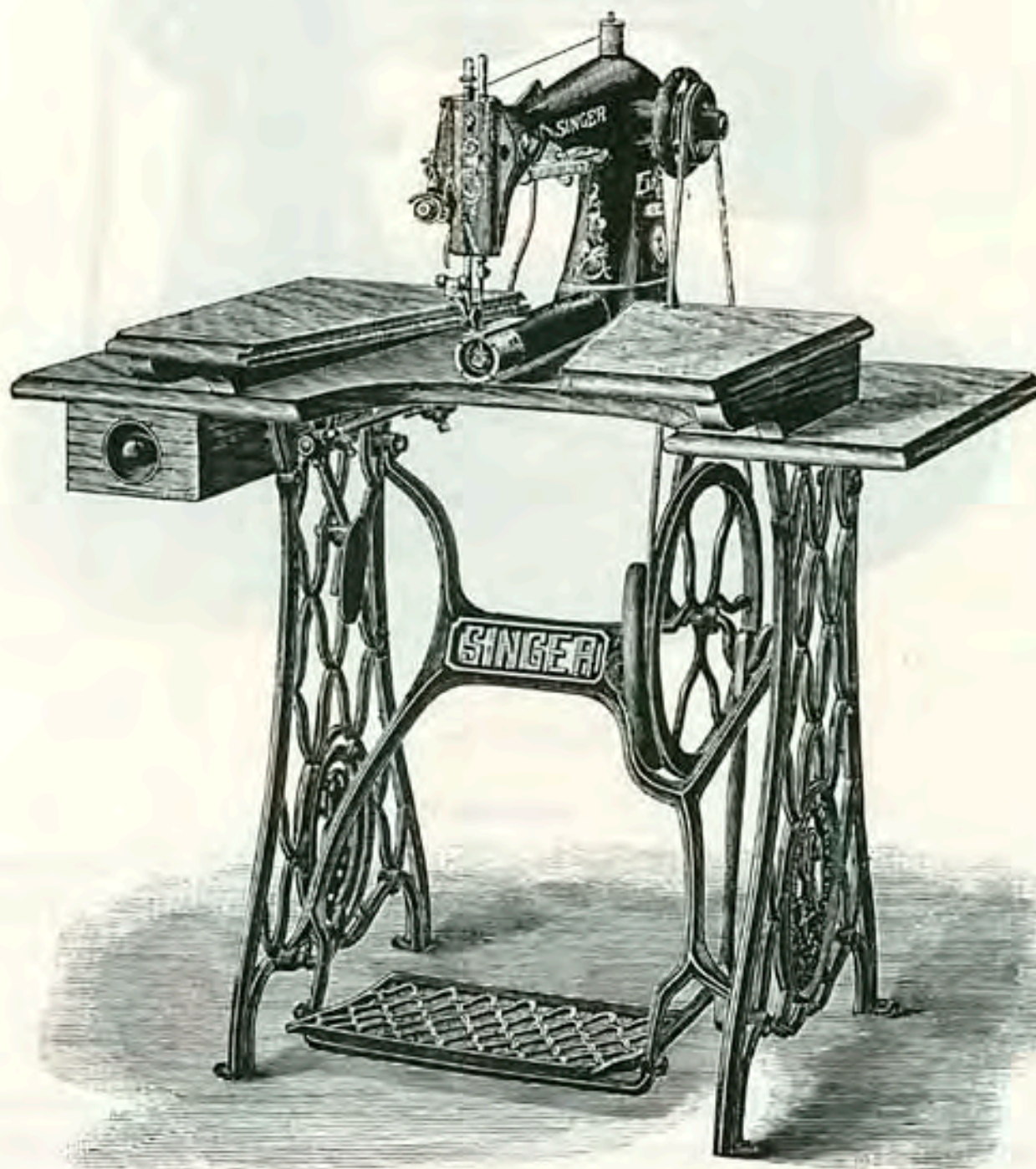
Machines Nos. 18-15 to 18-18 inclusive are five inches shorter than Nos. 18-5 to 18-7, and are therefore very rigid under high speed.

NO.	DESCRIPTION	PRICE
<b>18-15</b>	<b>FOR LEATHER.</b> Has shuttle No. 6028, drop feed at left of needle, roller presser. Balance wheel No. 4370. Diameter of belt groove $2\frac{11}{16}$ inches. . . . . Speed 1500. Cipher, EDPEV. Weight in lbs., 42 net, 64 gross. Cubic meas., 2 ft. 5 in.	
<b>18-16</b>	<b>FOR VAMPING SHOES AND OTHER WORK IN LEATHER.</b> Two needles, long beak shuttles, $\frac{1}{32}$ to $\frac{1}{4}$ inch gauge. (Shuttles Nos. 6628 and 6913 for $\frac{1}{32}$ to $\frac{5}{64}$ inch gauge; 6628 and 6909 for $\frac{3}{32}$ to $\frac{1}{4}$ inch gauge). Drop feed, roller presser. Balance wheel No. 4370. Diameter of belt groove $2\frac{11}{16}$ inches. . . . . Speed 1500. Cipher, EDPOX. Weight in lbs., 44 net, 66 gross. Cubic meas., 2 ft. 5 in.	
<b>18-17</b>	<b>FOR LEATHER.</b> Has shuttle No. 6028, wheel feed at left of needle, roller presser. Balance wheel No. 4370. Diameter of belt groove $2\frac{11}{16}$ inches. . . . . Speed 1500. Cipher, EDPUZ. Weight in lbs., 42 net, 63 gross. Cubic meas., 2 ft. 5 in.	
<b>18-18</b>	<b>FOR LEATHER.</b> Two needles, long beak shuttles, $\frac{1}{32}$ to $\frac{1}{8}$ inch gauge. (Shuttles Nos. 6628 and 6913, for $\frac{1}{32}$ to $\frac{5}{64}$ inch gauge; 6628 and 6909 for $\frac{3}{32}$ to $\frac{1}{8}$ inch gauge). Wheel feed, roller presser. Balance wheel No. 4370. Diameter of belt groove $2\frac{11}{16}$ inches. . . . . Speed 1500. Cipher, EDRAV. Weight in lbs., 46 net, 68 gross. Cubic meas., 2 ft. 5 in.	



## MACHINES OF CLASS 19

Cylinder bed. Side wheel. Feed up or off arm. Oscillating Shuttle. Knee or foot lifter. Bed  $16\frac{1}{2}$  inches long,  $10\frac{1}{2}$  inches clear space back of needle. Cylinder  $2\frac{1}{2}$  inches diameter at end, unless otherwise described.



MACHINE NO. 19-9 ON TABLE (SHOWING SECTION REMOVED) NO. 5407 AND  
STAND NO. 25216  
(For List Price of Table and Stand see Form 8801)

The machines of Class 19 are set upon the table with the end of the cylinder facing the operator, and, with the exception of those having reversible feed, feed up the arm only; they are used for stitching cylindrical or bag shaped articles in cloth or leather that cannot be laid out upon a flat work plate. See Form 9016.

NO.	DESCRIPTION	PRICE
19-5	FOR CLOTH. Two needles, two shuttles Nos. 6894 and 6913, gauges $\frac{3}{32}$ to $\frac{5}{16}$ inch. Drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches..... Speed 1200. Cipher, EDSEX. Weight in lbs., 41 net, 67 gross. Cubic meas., 3 ft. 1 in.	



MACHINES OF CLASS 19



MACHINE No. 19-10

NO.	DESCRIPTION	PRICE
19-8	FOR CLOTH OR LEATHER. Has shuttle No. 15126, C. B., over-seaming, drop feed. Balance wheel No. 7234. Diameter of belt groove $2\frac{3}{4}$ inches..... Speed 1000. Cipher, EDSIZ. Weight in lbs., 40 net, 66 gross. Cubic meas., 3 ft. 1 in.	
19-9	FOR CLOTH OR LEATHER. Has shuttle No. 17313, C. B., cylinder bed $1\frac{1}{8}$ inches diameter at end, drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches..... Speed 1200. Cipher, EDSUB. Weight in lbs., 38 net, 62 gross. Cubic meas., 3 ft. 1 in.	
19-10	FOR CLOTH OR LEATHER. Has shuttle No. 17313, C. B., over-seaming, cylinder bed $1\frac{1}{8}$ inches diameter at end, drop feed. Balance wheel No. 7234. Diameter of belt groove $2\frac{3}{4}$ inches.... Speed 1000. Cipher, EDSYC. Weight in lbs., 40 net, 66 gross. Cubic meas., 3 ft. 1 in.	
19-11	FOR CLOTH. Has shuttle No. 6028, reversible feed, up or off arm, drop feed. Balance wheel No. 7234. Diameter of belt groove $2\frac{3}{4}$ inches..... Speed 1200. Cipher, EDTAX. Weight in lbs., 40 net, 66 gross. Cubic meas., 3 ft. 1 in.	
19-12	FOR LEATHER. Has shuttle No. 6028, reversible feed, up or off arm, drop feed. Balance wheel No. 7234. Diameter of belt groove $2\frac{3}{4}$ inches..... Speed 1200. Cipher, EDTEZ. Weight in lbs., 40 net, 66 gross. Cubic meas., 3 ft. 1 in.	



# MACHINES OF CLASS 24

10 inches long, 5 inches clear space at right of needle. Single thread chain stitch. Rotating hook.



MACHINE No. 24-7

All of the machines of Class 24 are for manufacturing purposes, unless otherwise described. They are largely used in the manufacture of dresses, infants' wear, caps, linings, neckties, hoods, underwear, umbrellas, etc., and special machines are made for ruffling, tucking, gathering, etc. See Form 9020.

NO.	DESCRIPTION	PRICE
24-4	FOR TWO ROW STITCHING. Has two needles, two loopers, $\frac{1}{16}$ to $\frac{5}{8}$ inch gauge, automatic tension; 8 to 30 stitches to the inch. Balance wheel No. 9504. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 2500. Cipher, EFJAN. Weight in lbs., 14 net, 30 gross. Cubic meas., 1 ft. 6 in.	
24-7	FOR CAPS AND SIMILAR ARTICLES. Plain tension; 4 to 12 stitches to the inch. Balance wheel No. 9617. Diameter of belt groove $1\frac{1}{4}$ inches. . . . . Speed 2000. Cipher, EFJOR. Weight in lbs., 13 net, 29 gross. Cubic meas., 1 ft. 0 in.	
24-8	FOR TWO ROW STITCHING. Has plain tension, otherwise same as Machine No. 24-4. . . . . Speed 2500. Cipher, EFJUS. Weight in lbs., 14 net, 30 gross. Cubic meas., 1 ft. 6 in.	
24-13	FOR GATHERING. Has lever for adjusting the fullness of gathers; automatic tension, adjustable feed. Balance wheel No. 9617. Diameter of belt groove $1\frac{1}{4}$ inches. . . . . Speed 2500. Cipher, EFJYT. Weight in lbs., 13 net, 23 gross. Cubic meas., 1 ft. 0 in.	



MACHINES OF CLASS 24



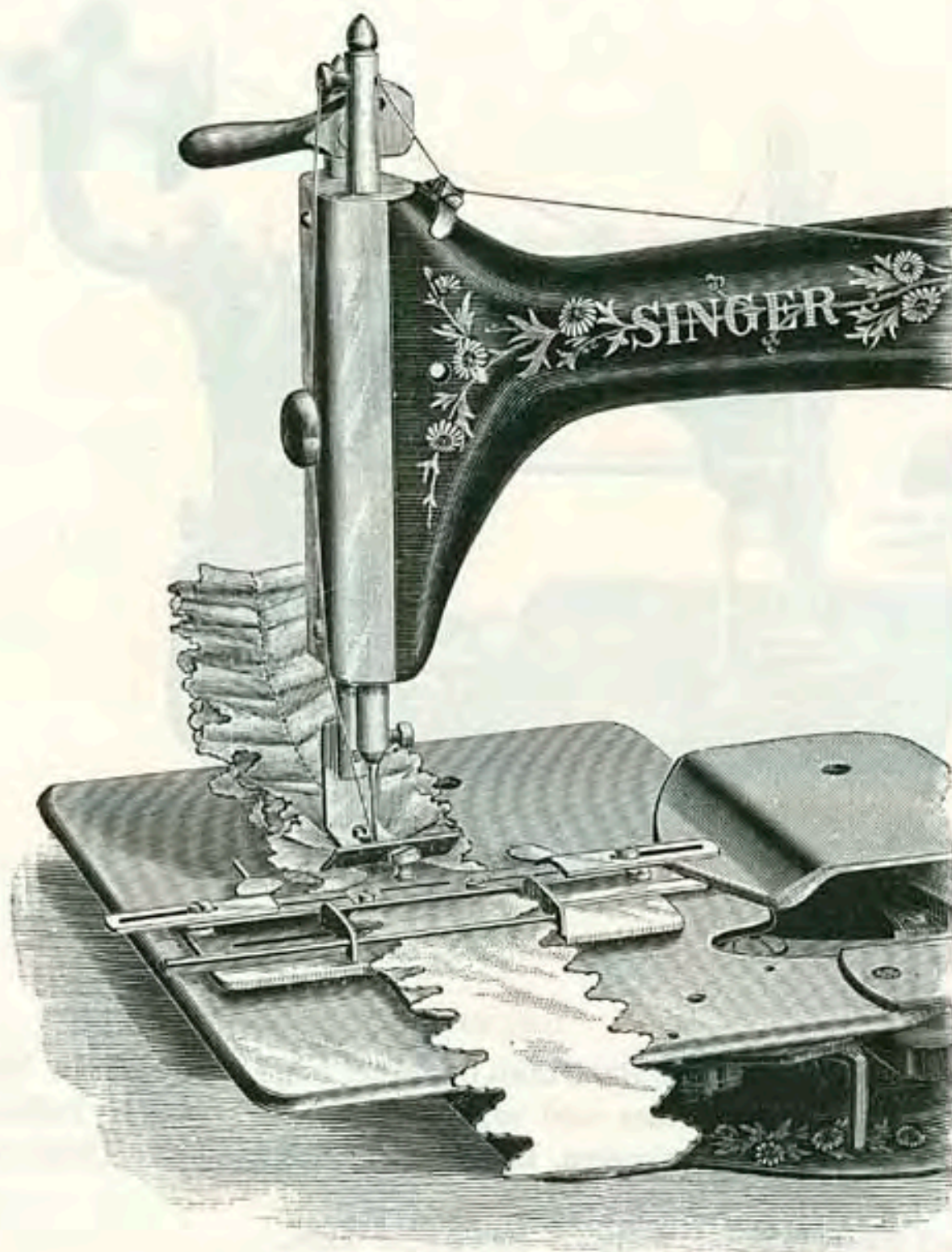
MACHINE No. 24-17

NO.	DESCRIPTION	PRICE
24-14	<p>FOR TUCKING. Has positively driven power tuck marker driven by link from arm rock shaft; automatic tension. Balance wheel No. 9504. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . .                      Speed 2500. Cipher, EFKEP.                      Weight in lbs., 12 net, 22 gross. Cubic meas., 1 ft. 0 in.</p>	
24-17	<p>FOR FOLDING AND CRIMPING THE EDGES OF FABRICS. Has three folders No. 9929, <math>\frac{1}{8}</math>, <math>\frac{3}{16}</math> and <math>\frac{1}{4}</math> inch. Machine has no stitching mechanism. Balance wheel No. 9919. Diameter of belt groove <math>7\frac{3}{16}</math> inches. . . . .                      Cipher, EFKIR. See Form 9562.                      Weight in lbs., 15 net, 31 gross. Cubic meas., 1 ft. 6 in.</p>	

NOTE. Folder No. 28526, for corset edges, can be furnished upon order.



MACHINES OF CLASS 24

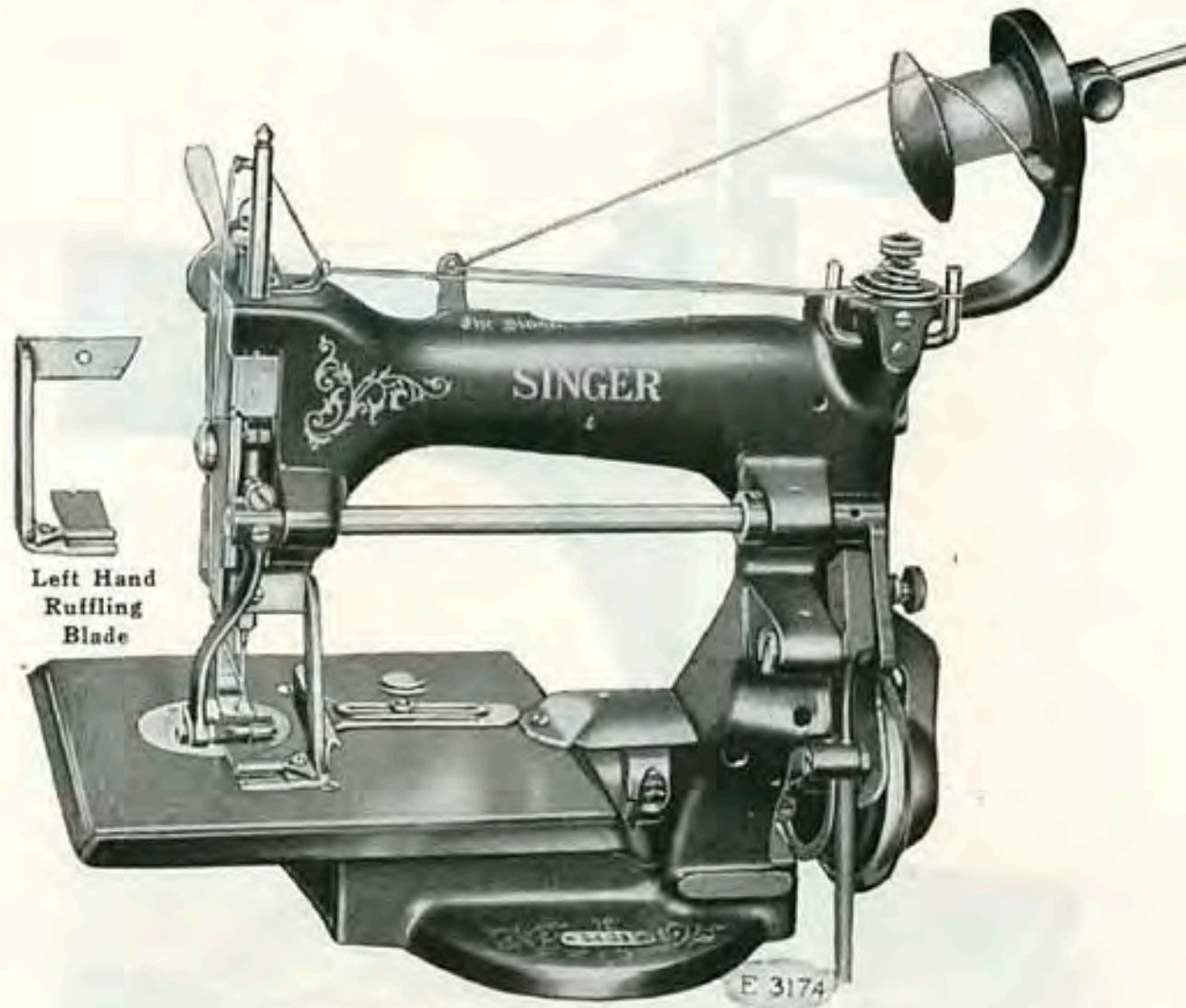


MACHINE No. 24-19

NO.	DESCRIPTION	PRICE
24-19	FOR MAKING KNIFE PLAITS, ALSO SINGLE, DOUBLE AND TRIPLE BOX PLAITS, across, not lengthwise strips, from 1 to 2¾ inches wide. Plain tension. Balance wheel No. 9504. Diameter of belt groove 2⅛ inches. . . . . Speed 1000. Cipher, EFKOS. Weight in lbs., 13 net, 25 gross. Cubic meas., 1 ft. 0 in.	
24-21	FOR TWO ROW STITCHING. Has two needles, two loopers, ⅛ to ⅝ inch gauge, plain tension; 4 to 12 stitches to the inch. Balance wheel No. 9504. Diameter of belt groove 2⅛ inches. . . . . Speed 2500. Cipher, EFKUT. Weight in lbs., 15 net, 25 gross. Cubic meas., 1 ft. 0 in.	



MACHINES OF CLASS 24

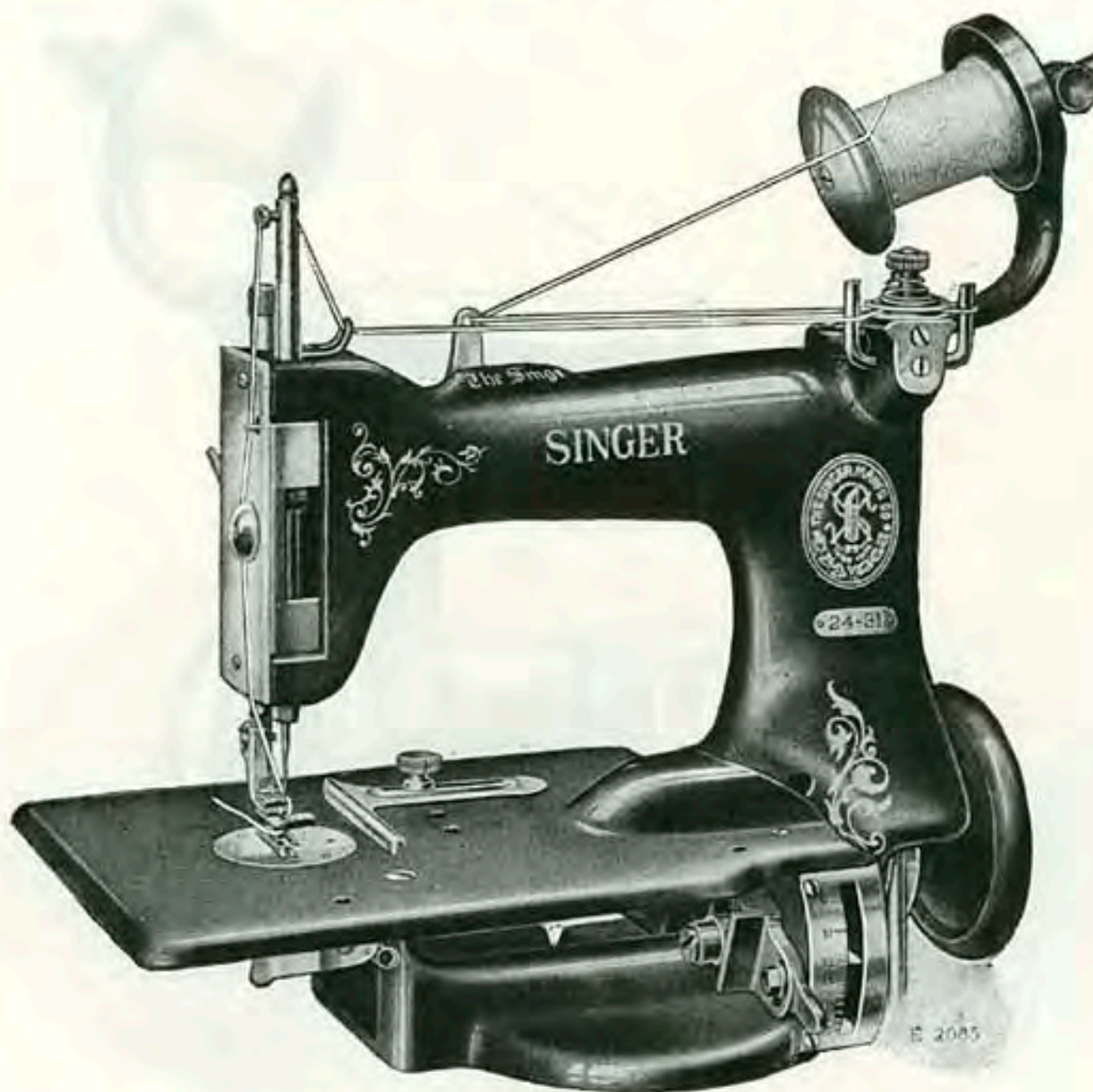


MACHINE No. 24-23

NO.	DESCRIPTION	PRICE
24-23	FOR FULL OR SCANT RUFFLING on either edge of the goods. Has right or left hand guides and separator blades, positive ruffling mechanism and plain tension. Balance wheel No. 19097. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 2000. Cipher, EFKYV. See Form 9523. Weight in lbs., 13 net, 25 gross. Cubic meas., 1 ft. 0 in.	
24-26	FOR STITCHING IN FABRICS. Automatic tension; 8 to 30 stitches to the inch. Balance wheel No. 9504. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 2500. Cipher, EFLER. See Form 9367. Weight in lbs., 12 net, 22 gross. Cubic meas., 1 ft. 0 in.	
24-29	FOR FULL OR SCANT RUFFLING on either edge of the goods. Has two needles, two loopers, $\frac{1}{8}$ to $\frac{5}{8}$ inch gauge, right and left hand guides and separator blades, positive ruffling mechanism and plain tension. Balance wheel No. 19097. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 2000. Cipher, EFLOT. Weight in lbs., 20 net, 36 gross. Cubic meas., 1 ft. 5 in.	



## MACHINES OF CLASS 24



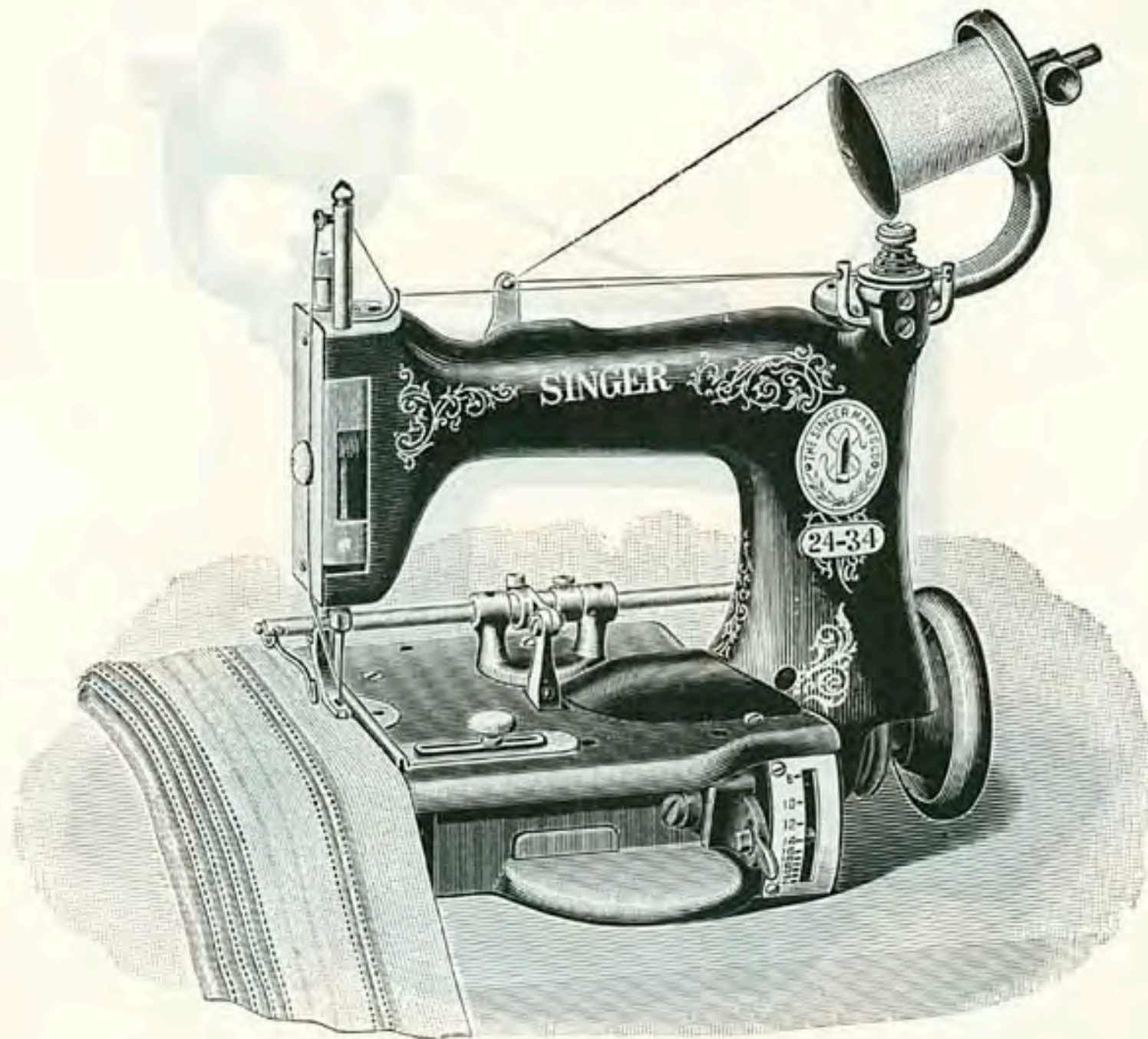
MACHINE No. 24-31

Machines Nos. 24-31 to 24-39 inclusive are of heavier construction than those heretofore described and are particularly desirable for continuous work in manufacturing.

NO.	DESCRIPTION	PRICE
<b>24-31</b>	FOR STITCHING IN FABRICS. Plain tension; 8 to 30 stitches to the inch. Balance wheel No. 32026. Pulley No. 32027, diameter of belt groove 2 inches. . . . . Speed 2500. Cipher, EFMAR. See Form 9366. Weight in lbs., 19 net, 35 gross. Cubic meas., 1 ft. 6 in.	
<b>24-32</b>	HAS AUTOMATIC TENSION, otherwise same as Machine No. 24-31 Speed 2500. Cipher, EFMES. See Form 9366. Weight in lbs., 16 net, 28 gross. Cubic meas., 1 ft. 2 in.	
<b>24-33</b>	FOR CAP WORK, ETC. Plain tension; 4 to 12 stitches to the inch. Balance wheel No. 32026. Pulley No. 32027, diameter of belt groove 2 inches. . . . . Speed 2000. Cipher, EFMIT. See Form 9020. Weight in lbs., 19 net, 35 gross. Cubic meas., 1 ft. 6 in.	



MACHINES OF CLASS 24

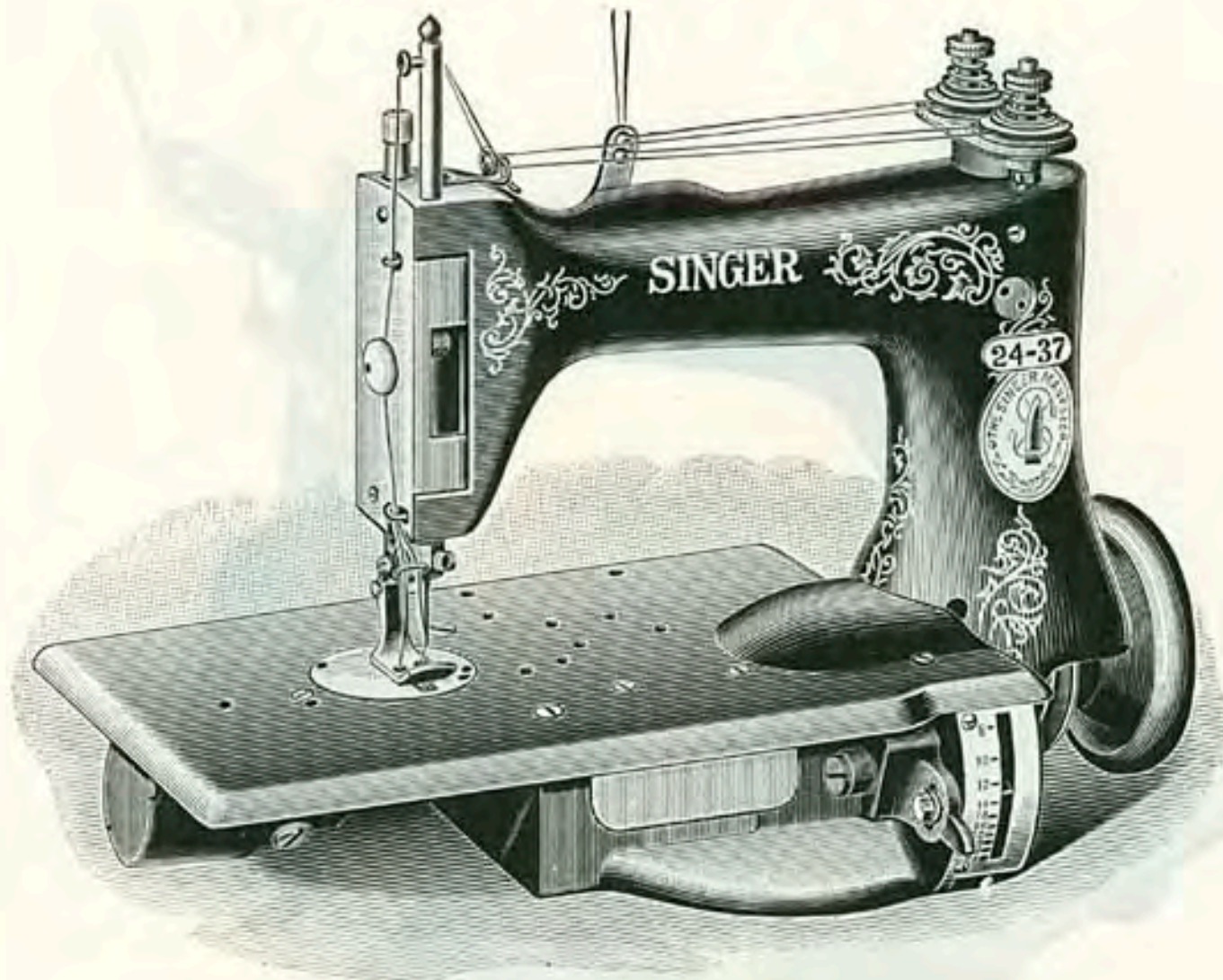


MACHINE NO. 24-34

NO.	DESCRIPTION	PRICE
24-34	<p>FOR TUCKING. Has positively driven power tuck marker driven from looper shaft; plain tension. Balance wheel No. 32026. Pulley No. 32027, diameter of belt groove 2 inches . . . . . Speed 2500. Cipher, EFMOV. Weight in lbs., 17 net, 29 gross. Cubic meas., 1 ft. 0 in.</p>	
24-36	<p>FOR TWO ROW STITCHING. Has two needles, two loopers, <math>\frac{1}{16}</math> to <math>\frac{5}{8}</math> inch gauge, plain tension; 8 to 30 stitches to the inch. Balance wheel No. 32026. Pulley No. 32027, diameter of belt groove 2 inches. . . . . Speed 2500. Cipher, EFNAS. See Form 9368. Weight in lbs., 20 net, 34 gross. Cubic meas., 1 ft. 6 in.</p>	



MACHINES OF CLASS 24

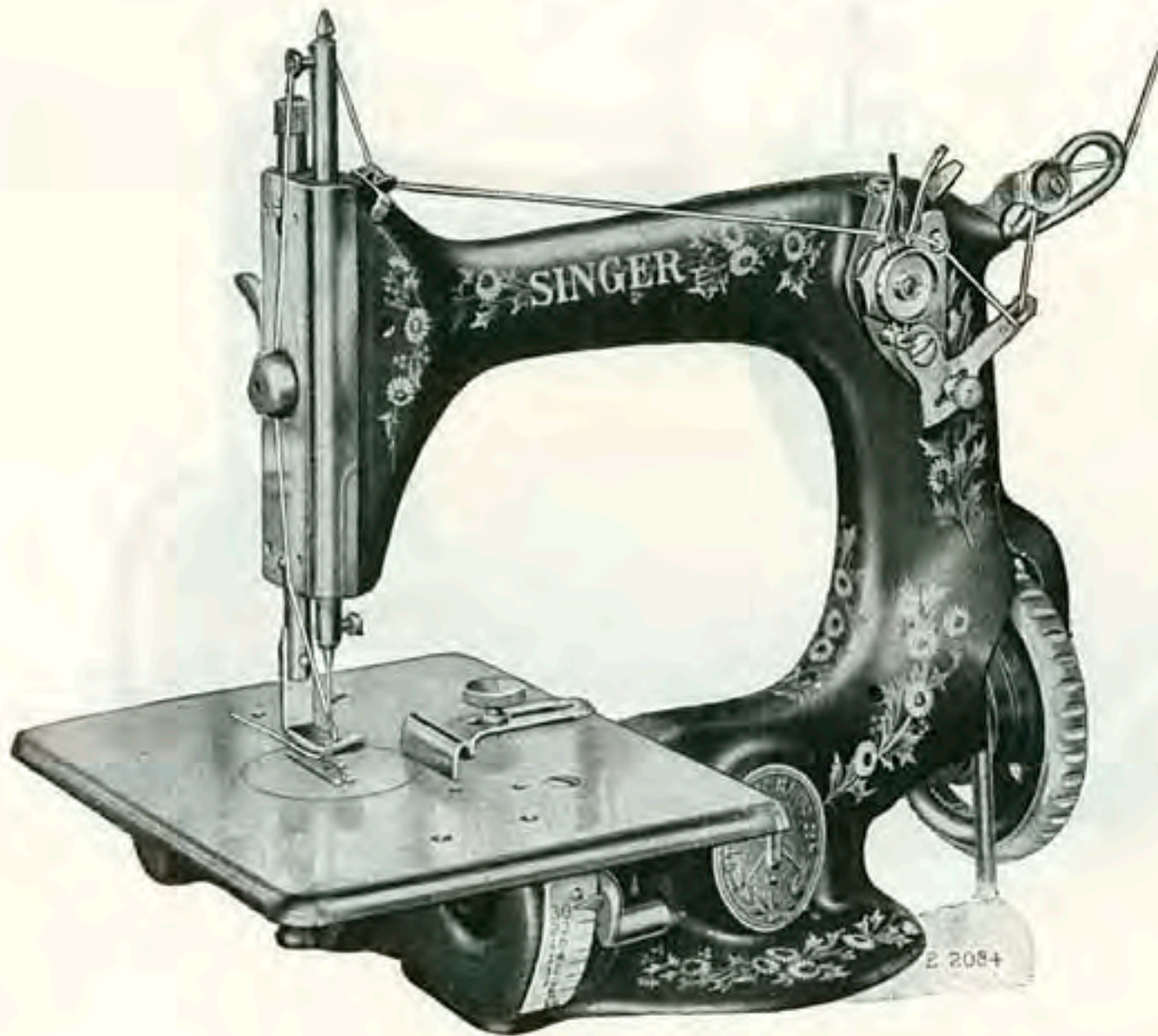


MACHINE No. 24-37

NO.	DESCRIPTION	PRICE
24-37	<p>FOR TWO ROW STITCHING. Has two needles, two loopers, <math>\frac{1}{16}</math> to <math>\frac{5}{8}</math> inch gauge, automatic tension; 8 to 30 stitches to the inch. Balance wheel No. 32026. Pulley No. 32027, diameter of belt groove 2 inches. . . . .</p> <p>Speed 2500. Cipher, EFNET. See Form 9368.</p> <p>Weight in lbs., 20 net, 36 gross. Cubic meas., 1 ft. 6 in.</p>	
24-39	<p>FOR UMBRELLA SEAMING, IMITATION SPOKE STITCHING, ETC. Has automatic measuring tension that measures the exact amount of thread required for each stitch. Tension can be adjusted as required, 8 to 30 stitches to the inch. Balance wheel No. 32026. Pulley No. 32027, diameter of belt groove 2 inches. . . . .</p> <p>Speed 2500. Cipher, EFNOW.</p> <p>Weight in lbs., 16 net, 28 gross. Cubic meas., 1 ft. 0 in.</p>	



## MACHINES OF CLASS 24



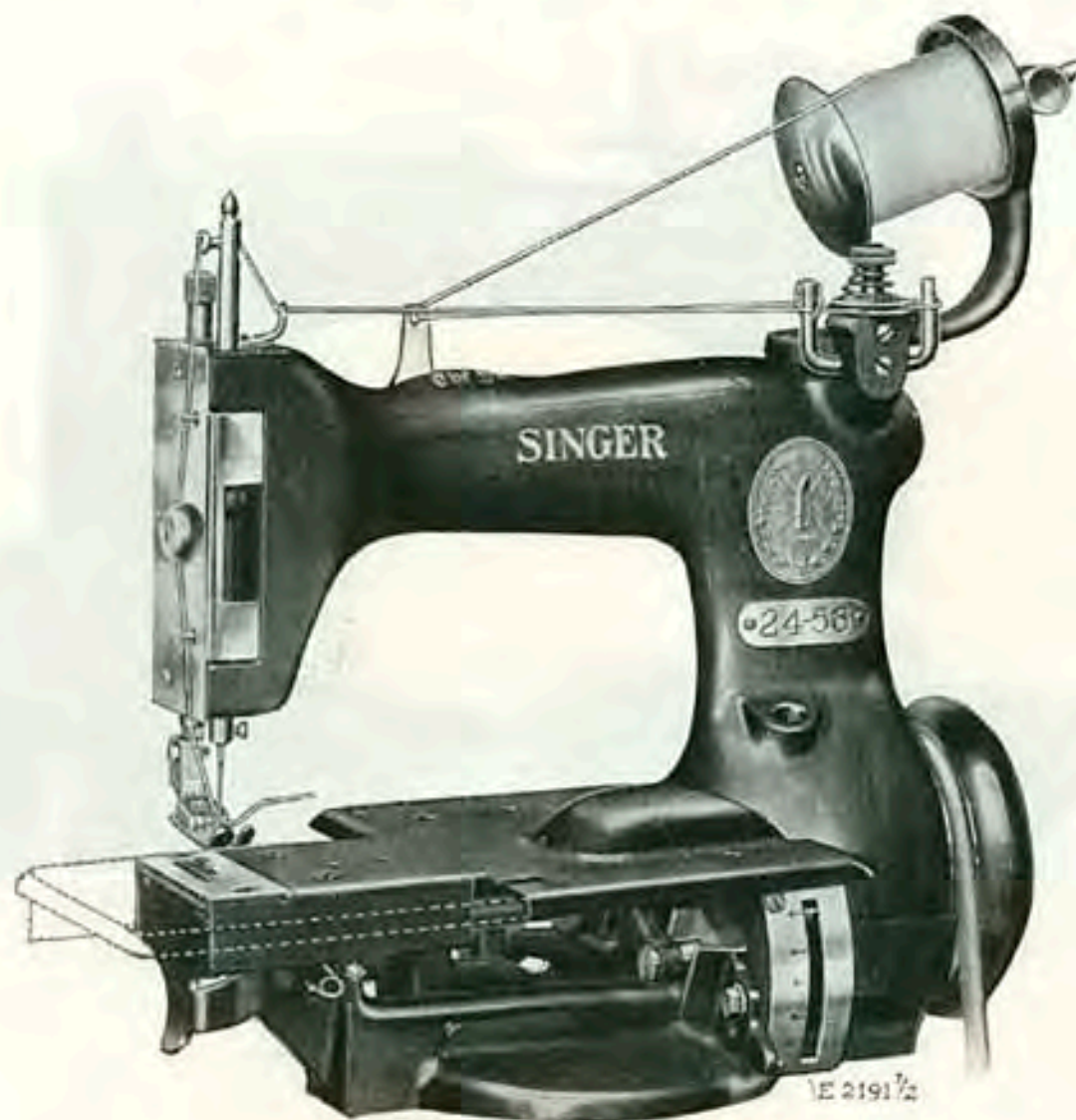
MACHINE No. 24-52

NO.	DESCRIPTION	PRICE
24-52	FOR UMBRELLA SEAMING, IMITATION SPOKE STITCHING, ETC. Has automatic measuring tension that measures the exact amount of thread required for each stitch. Tension can be adjusted as required, 8 to 30 stitches to the inch. Balance wheel No. 9617. Diameter of belt groove $1\frac{1}{4}$ inches. . . . . Speed 2500. Cipher, EFSAX. See Form 9369. Weight in lbs., 12 net, 22 gross. Cubic meas., 1 ft. 0 in.	
24-53	FOR STITCHING IN FABRICS. Plain tension; 8 to 30 stitches to the inch. Balance wheel No. 9504. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 2500. Cipher, EFSEZ. See Form 9380. Weight in lbs., 11 net, 21 gross. Cubic meas., 1 ft. 0 in.	
24-54	FOR FORMING AND STITCHING PICOT EDGING upon lace curtains, draperies, millinery goods and novelty trimmings. Automatic tension. Balance wheel No. 9504. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 2000. Cipher, EFSOB. See Form 9103. Weight in lbs., 12 net, 22 gross. Cubic meas., 1 ft. 0 in.	
24-55	FOR COVERING AND REINFORCING THE INSIDE SEAMS OF CLOTH CAPS WITH A FOLDED STRIP. Has folder underneath the cloth plate and removable slide in the cloth plate for the convenient insertion of the strip; two needles, two loopers, $\frac{3}{8}$ and $\frac{7}{16}$ inch gauge, plain tension; 8 to 30 stitches to the inch. Balance wheel No. 9504. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 2500. Cipher, EFSUC. See Form 9245. Weight in lbs., 14 net, 30 gross. Cubic meas., 1 ft. 6 in.	

NOTE. This Machine can be furnished with a guide for a prepared folded strip or tape if specified on the order.



MACHINES OF CLASS 24



MACHINE No. 24-56

NO.	DESCRIPTION	PRICE
24-56	<p>FOR CAPS AND SIMILAR ARTICLES. Makes 4 to 12 stitches to the inch. Has plain tension; disc spool holder. The cloth plate is arranged so that the left hand end can be removed, giving a 2½ inch bearing at the front of the machine, so that it can be used as a cylinder machine. Balance wheel No. 34365. Diameter of belt groove 2⅜ inches. . . . .</p> <p>Speed 3200. Cipher, EFSYD. See Form 9407.</p> <p>Weight in lbs., 24 net, 40 gross. Cubic meas., 1 ft. 6 in.</p>	
24-57	<p>FOR MAKING HAT LININGS. The machine is fitted with a folder for folding the bias strip, cord guide for the cord to which the folded bias strip is stitched and gathering feed for gathering the side, all of which is simultaneously stitched to the crown of the lining. Automatic tension. Balance wheel No. 9617. Diameter of belt groove 1¼ inches. . . . .</p> <p>Speed 2000. Cipher, EFTAZ. See Form 9414.</p> <p>Weight in lbs., 13 net, 25 gross. Cubic meas., 1 ft. 0 in.</p>	
24-59	<p>FOR STITCH UP TO ⅜ INCH LONG. Plain tension. Balance wheel No. 9504. Diameter of belt groove 2⅛ inches. . . . .</p> <p>Speed 2000. Cipher, EGBIJ.</p> <p>Weight in lbs., 11 net, 21 gross. Cubic meas., 1 ft. 0 in.</p>	



MACHINES OF CLASS 24

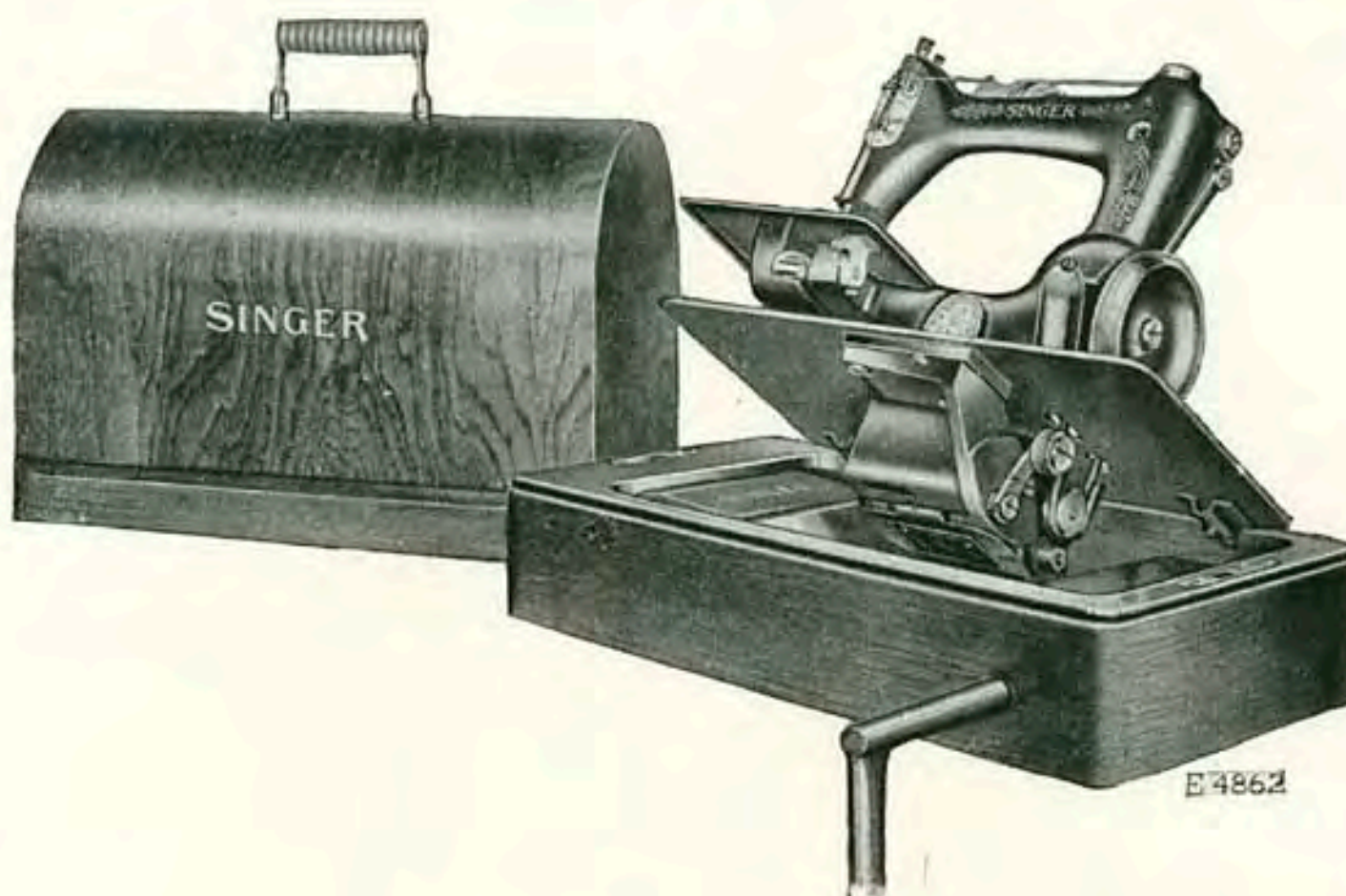


MACHINE No. 24-60

NO.	DESCRIPTION	PRICE
24-60	FOR FAMILY USE. Automatic tension..... Cipher, EFTOC. Weight in lbs., 12 net, 22 gross. Cubic meas., 1 ft. 0 in.	\$ — —
24-61	FOR FAMILY USE. Automatic tension; has hand attachment... Cipher, EFTUD. Weight in lbs., 15 net, 32 gross. Cubic meas., 1 ft. 6 in.	— —



MACHINES OF CLASS 24



MACHINE No. 24-62

NO.	DESCRIPTION	PRICE
24-62	FOR FAMILY USE. B. T. Motor and metal base plate; for portable set No. 202, knee control..... Cipher, EGBAG.	\$ — —
	Machine Head with B. T. Motor Weight in lbs., 18 net, 24 gross. Cubic meas., 1 ft. 0 in.	
	Portable Case No. 202 Weight in lbs., 10 net, 20 gross. Cubic meas., 0 ft. 10 in.	
24-63	FOR FAMILY USE. For B. T. Motor; foot control only. For wood base (No. 70755) to be used on cabinet table and foot power stand..... Cipher, EGBEH.	— —
	Weight in lbs., 12 net, 23 gross. Cubic meas., 1 ft. 0 in.	

NO.	DESCRIPTION	EACH
24-65	FOR FAMILY USE. B. U. Motor (carbon control) Singerlight and metal base plate; for Portable Set No. 205, knee control..... Cipher, EGBOK.	
	Machine Head with B. U. Motor and Singerlight. Weight in lbs., 18 net, 24 gross. Cubic meas., 1 ft. 0 in.	
	Portable Case No. 205 Weight in lbs., 10 net, 20 gross. Cubic meas., 0 ft. 10 in.	



## MACHINES OF CLASS 25

Cylinder bed, except as otherwise described.  $8\frac{1}{2}$  inches long, 5 inches clear space at right of needle. Cylinder bed  $1\frac{5}{16}$  inches diameter.

Single thread. Rotating hook.



MACHINE No. 25-1

The machines of Class 25 are very convenient and economical in the manufacture of silk mitts, small hosiery, infants' caps, etc., because of the small cylinder bed. The stitch, speed and quality of work produced are the same as that of machines of Class 24. See Forms 9019 and 9020.

NO.	DESCRIPTION	PRICE
25-1	FOR LIGHT FABRICS. Automatic tension; 8 to 30 stitches to the inch. Balance wheel No. 9504. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 2500. Cipher, EFTYE. Weight in lbs., 12 net, 22 gross. Cubic meas., 1 ft. 0 in.	

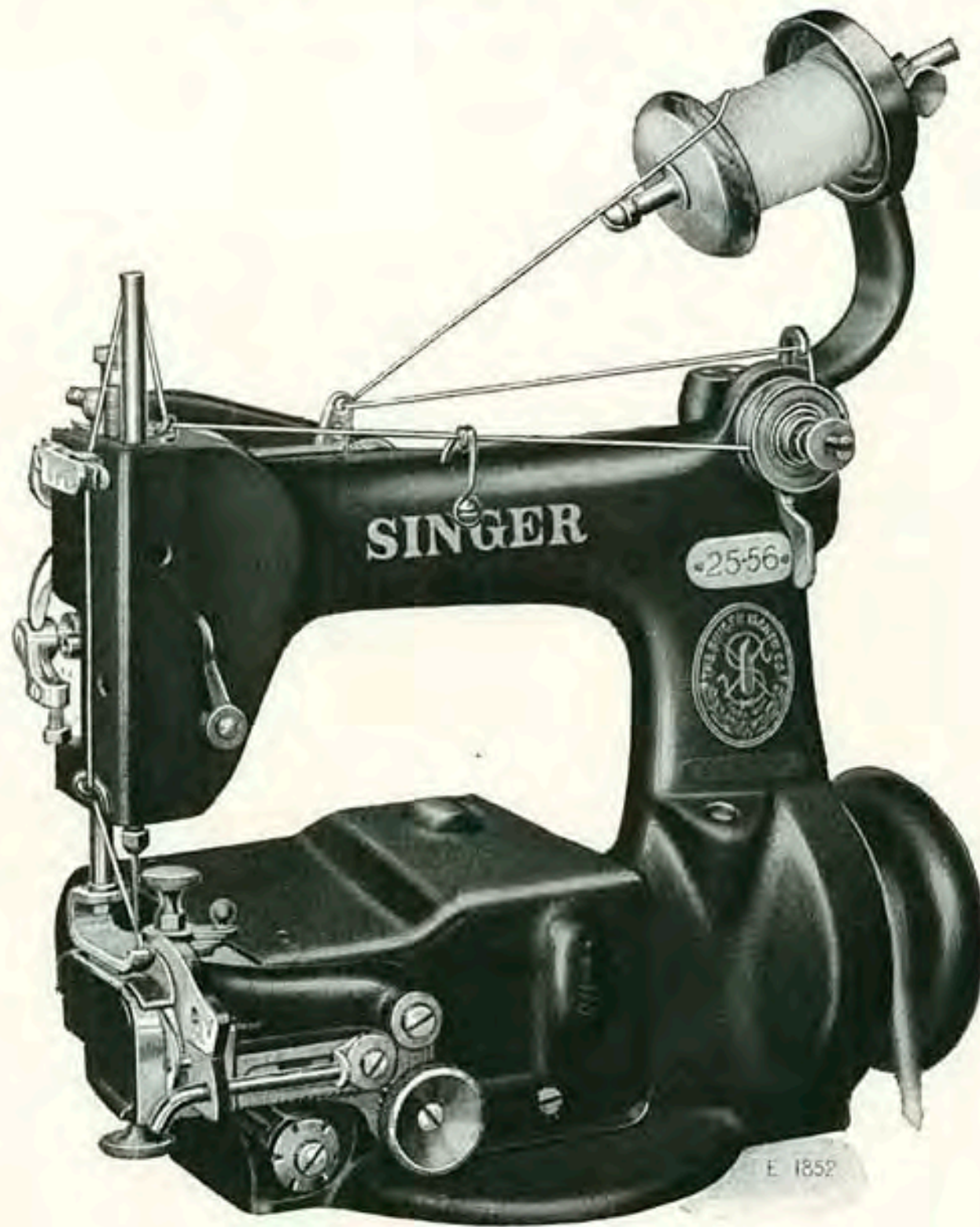


## MACHINES OF CLASS 25

NO.	DESCRIPTION	PRICE
25-3	<p>FOR MANUFACTURING, CAP WORK, ETC. Automatic tension; 4 to 12 stitches to the inch. Balance wheel No. 9504. Diameter of belt groove <math>2\frac{1}{8}</math> inches.....</p> <p>Speed 2000. Cipher, EFVIC.</p> <p>Weight in lbs., 12 net, 22 gross. Cubic meas., 1 ft. 0 in.</p>	
25-4	<p>FOR MANUFACTURING, CAP WORK, ETC. Plain tension; 4 to 12 stitches to the inch. Balance wheel No. 9504. Diameter of belt groove <math>2\frac{1}{8}</math> inches.....</p> <p>Speed 2000. Cipher, EFVOD.</p> <p>Weight in lbs., 12 net, 22 gross. Cubic meas., 1 ft. 0 in.</p>	
25-6	<p>FOR MAKING A LOOSE STITCH IN SILK MITTS AND KNITTED GARMENTS. Automatic measuring tension; 8 to 30 stitches to the inch. Balance wheel No. 9504. Diameter of belt groove <math>2\frac{1}{8}</math> inches</p> <p>Speed 2500. Cipher, EFZAD.</p> <p>Weight in lbs., 11 net, 21 gross. Cubic meas., 1 ft. 0 in.</p>	
25-52	<p>FOR STITCHING HEAVY COTTON FLANNEL GLOVES, for harvesters, lumbermen, etc.; bed not cylindrical. Plain tension, 5 to 12 stitches to the inch, knee lifter. Balance wheel No. 32026. Pulley No. 32027, diameter of belt groove 2 inches.....</p> <p>Speed 2500. Cipher, EGBUL. See Form 9250.</p> <p>Weight in lbs., 21 net, 37 gross. Cubic meas., 1 ft. 6 in.</p>	



MACHINES OF CLASS 25



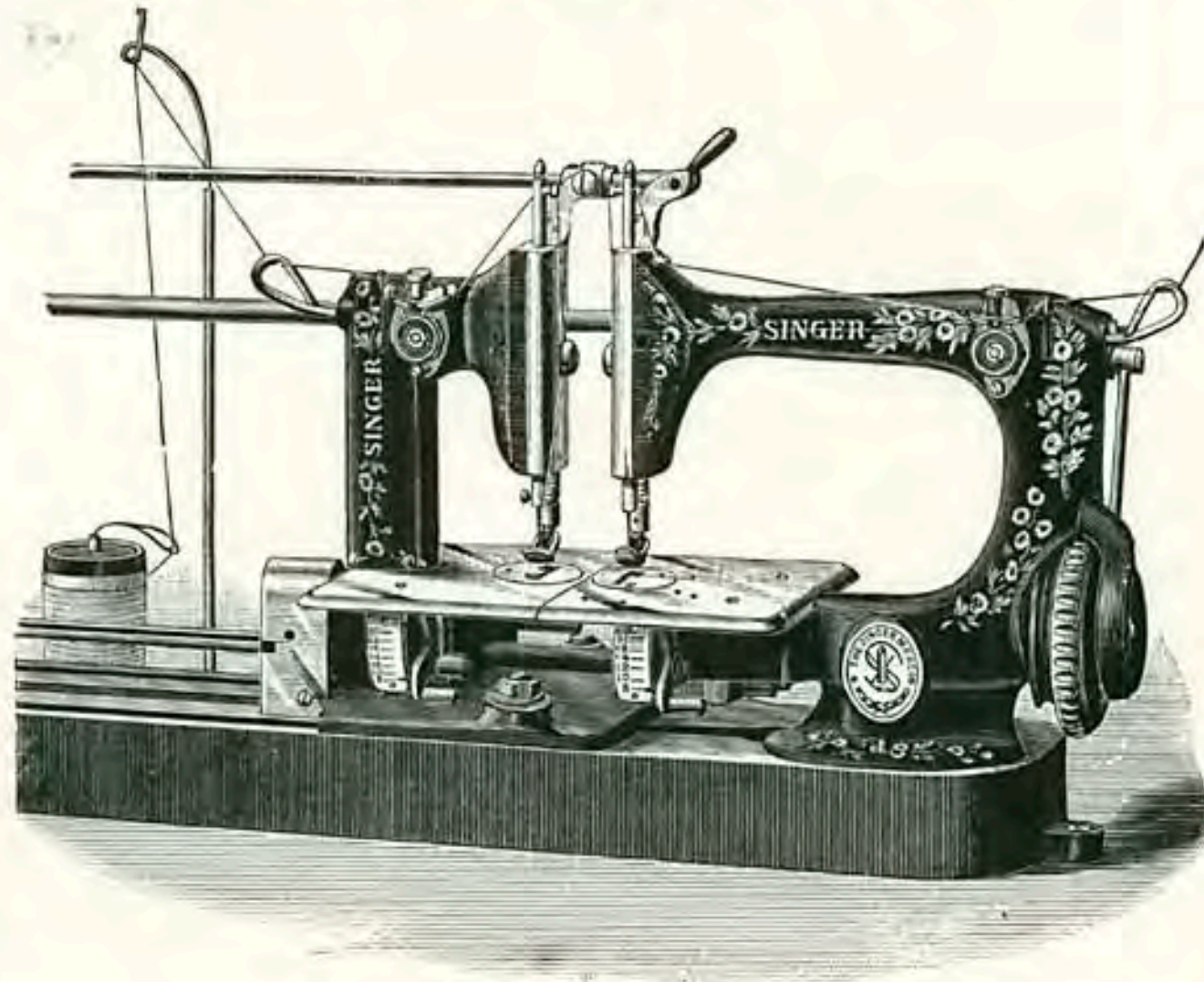
MACHINE No. 25-56

NO.	DESCRIPTION	PRICE
25-56	<p>FOR STITCHING STRAW BRAID FOR HATS. Bed not cylindrical. Has lever on side of arm next to the operator for throwing the tipper into and out of action; compound tension, foot lifter. Furnished with feed dogs, guides and presser feet for different varieties of braid. All the working parts of this machine are made of hardened steel and are enclosed. The machine is bushed throughout. Balance wheel No. 32231. Diameter of belt groove <math>1\frac{3}{8}</math> inches. . . . .</p> <p>Speed 3500. Cipher, EGCIK. See Form 9363.</p> <p>Weight in lbs., 29 net, 45 gross. Cubic meas., 1 ft. 6 in.</p>	



# MACHINES OF CLASS 26

Rotating hooks. Single thread chain stitch.



MACHINE No. 26-1

Each machine of Class 26 consists of two stitching mechanisms, the one at the right rigidly attached to a base, the other movable, for the purpose of changing the distance between needles but fastened to the base while in operation; they work in unison while stitching and make two parallel lines of stitches in fabrics; they are used for making bags for flour, seeds, tobacco, etc., also for school and other bags. See Form 9063.

NO.	DESCRIPTION	PRICE
26-1	AUTOMATIC TENSION. Distance between needles adjustable from 1½ to 16 inches; base 29 inches long. Balance wheel No. 9504. Diameter of belt groove 2 1/8 inches. . . . . Speed 2000. Cipher, EGDIL. Weight in lbs., 52 net, 70 gross. Cubic meas., 2 ft. 4 in.	
26-2	AUTOMATIC TENSION. Distance between needles adjustable from 1½ to 24 inches; base 37 inches long. Balance wheel No. 9504. Diameter of belt groove 2 1/8 inches. . . . . Speed 2000. Cipher, EGDOM. Weight in lbs., 71 net, 102 gross. Cubic meas., 3 ft. 7 in.	



# MACHINES OF CLASS 29

Lower arm and bed 17 inches long, 12 $\frac{1}{4}$  inches clear space at right of needle.  
Horizontal oscillating shuttle.



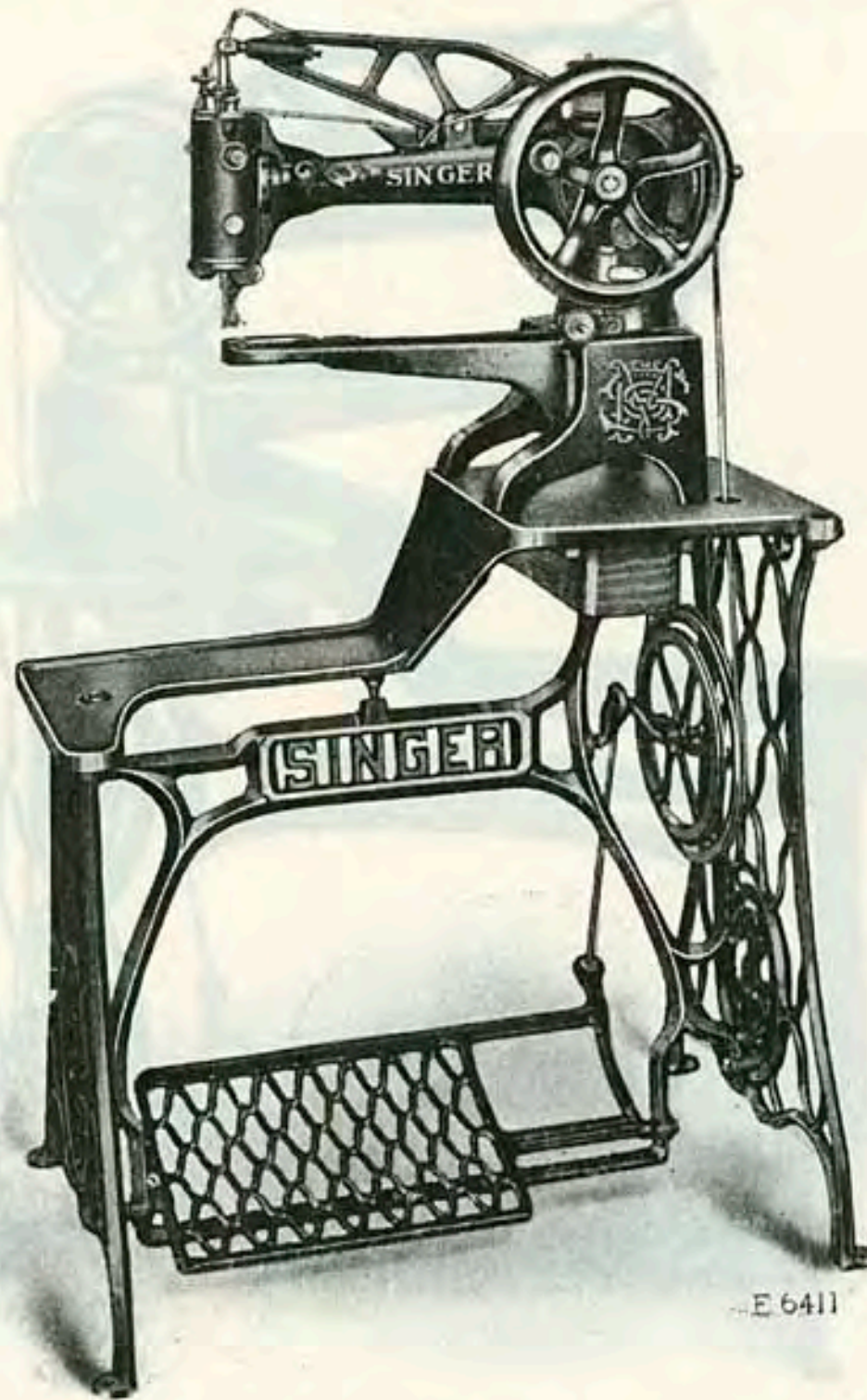
MACHINE NO. 29-4 ON STAND NO. 25278  
(For List Price of Stand see Form 8801)

NO.	DESCRIPTION	PRICE
29-4	<p>No. cancelled. Superseded by No. 29 K 51 Machine.  <math>\frac{1}{8}</math> inch from end of lower arm which is 1 inch deep and 1 inch across.                      Has shuttle No. 8603 and upper feed only, which moves the work                      in any desired direction. Balance wheel No. 8674. Pulley (two                      speed) No. 33514, diameter of belt grooves 2<math>\frac{7}{8}</math> and 4<math>\frac{7}{8}</math> inches.                      Head only.....                      Cipher, EGGYS. See Form 9062.                      Weight in lbs., 58 net, 88 gross. Cubic meas., 3 ft. 3 in.</p>	



**MACHINES OF CLASS 29 K**

12¼ inches from needle to base of arm. Horizontal oscillating shuttle.



MACHINE NO. 29 K 51 ON STAND NO. 94601  
(For List Price of Stand, see Form 8801)

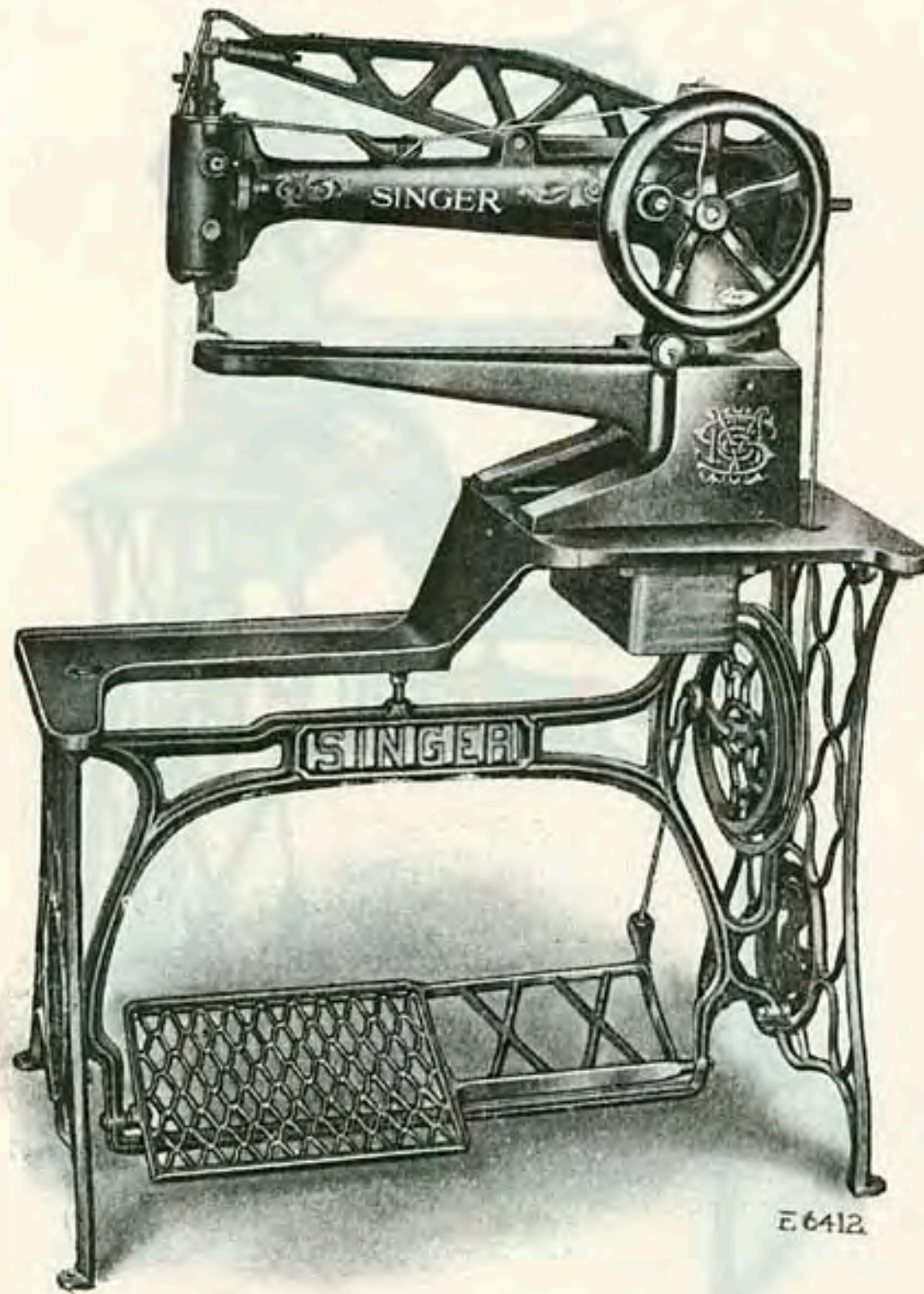
NO.	DESCRIPTION	PRICE
<b>29 K 51</b>	FOR BOOT AND SHOE REPAIRING, SLIPPER WORK, ETC. Width of lower arm at end 1½ inches, depth ⅞ inch. Has side wheel on arm and universal upper feed. Shuttle No. 8603. Balance wheel No. 82120. Pulley (two speed) No. 8661, diameter of belt grooves 2⅞ and 4⅞ inches. Head only..... Speed 500. Cipher, AGDYN. See Form 9770. Supersedes 29-4 Machine.	
<b>29 K 53</b>	FOR BOOT AND SHOE REPAIRING, SLIPPER WORK, ETC. Width of lower arm at end 1 inch, depth ⅞ inch. Has side wheel on arm and universal upper feed. Shuttle No. 8603. Balance wheel No. 82120. Pulley (two speed) No. 8661, diameter of belt grooves 2⅞ and 4⅞ inches. Head only..... Speed 500. Cipher, AGFEK. See Form 9770.	

Insert for Form 8800 in place of leaf now showing 29 K 55 Machine. (February, 1927)



**MACHINES OF CLASS 29 K**

17½ inches from needle to base of arm. Horizontal oscillating shuttle.



MACHINE NO. 29 K 55 ON STAND NO. 94609  
(For List Price of Stand, see Form 8801)

NO.	DESCRIPTION	PRICE
<b>29 K 55</b>	FOR BOOT AND SHOE REPAIRING, SLIPPER WORK, ETC. For waxed thread. Width of lower arm at end 1½ inches, depth 1⅓ inches. Has side wheel on arm and universal upper feed. Shuttle No. 81952. Balance wheel No. 82120. Pulley (two speed) No. 81941, diameter of belt grooves ¾ and 5½ inches. Head only..... Speed 500. Cipher, AGFOM. See Forms 9770 and 9773. Supersedes 29 K 31 Machine.	
<b>29 K 56</b>	FOR BOOT AND SHOE REPAIRING, SLIPPER WORK, ETC. For waxed thread. Width of lower arm at end 1⅓ inches, depth ⅞ inch. For stitching on small places. Has side wheel on arm and universal upper feed. Shuttle No. 8603. Balance wheel No. 82120. Pulley (two speed) No. 81941, diameter of belt grooves ¾ and 5½ inches. Head only..... Speed 500. Cipher, AGFUN. See Form 9770.	



## MACHINES OF CLASS 31

Bed 18 $\frac{3}{4}$  inches long, 10 $\frac{1}{4}$  inches clear space at right of needle. Central bobbin and link take-up except as otherwise described. Knee lifter. Oscillating shuttle mechanism.

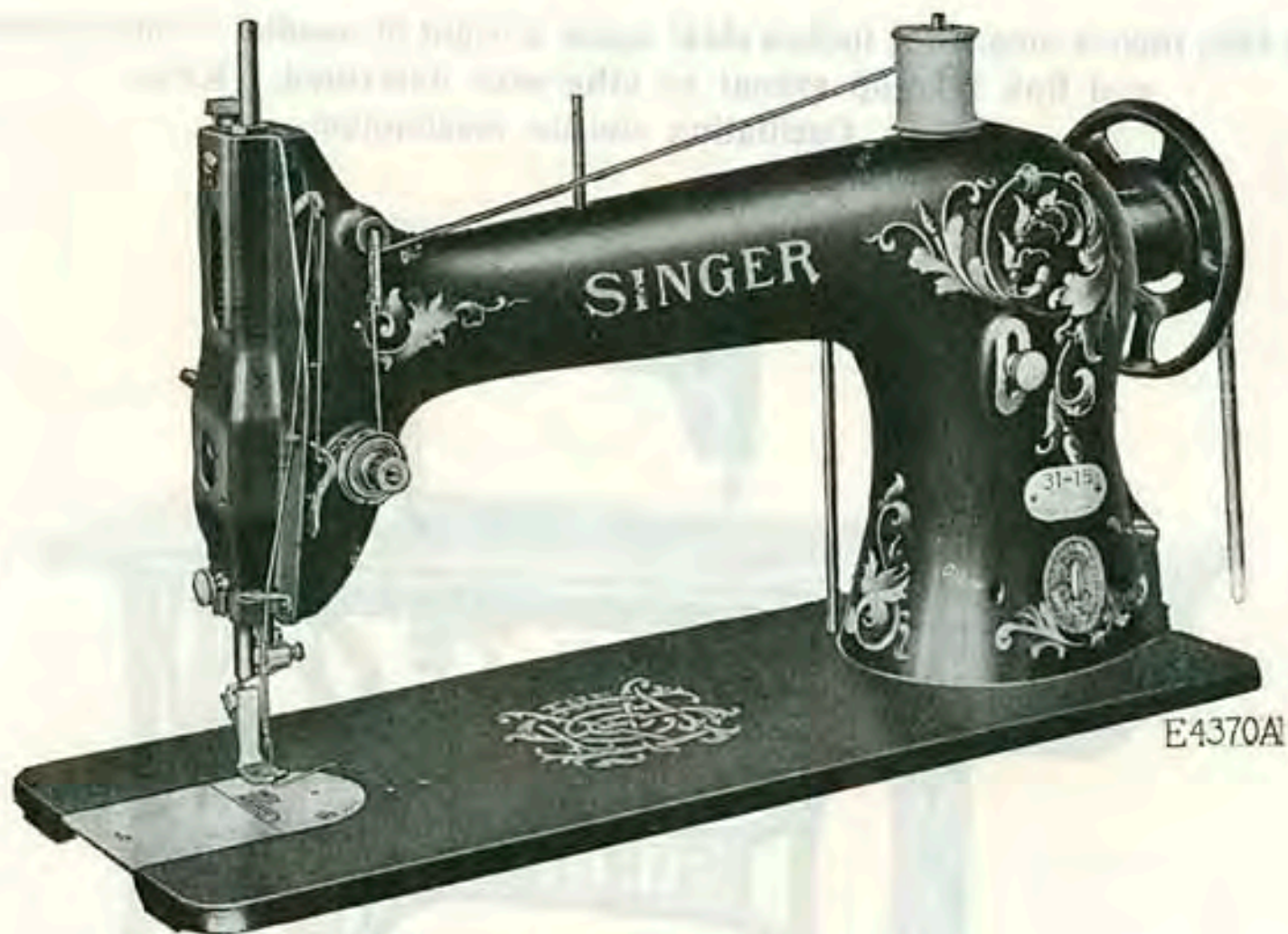


MACHINE NO. 31-15 ON TABLE NO. 5411 AND STAND NO. 25265  
(For List Price of Table and Stand see Form 8801)

Thousands of the machines of Class 31 are used in the manufacture of garments made of fabrics of widely differing weight and quality; also in shoes and other articles of light and medium weight leather. See Form 9023.



MACHINES OF CLASS 31



MACHINE No. 31-15

NO.	DESCRIPTION	PRICE
31-15	FOR CLOTH, TAILORING, ETC. Drop feed, shuttle No. 19292 and bobbin No. 2996. Balance wheel No. 12358. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 2200. Cipher, EGHOR. See Forms 9167 and 9585. Weight in lbs., 54 net, 78 gross. Cubic meas., 2 ft. 3 in.	
31-16	FOR MACKINTOSH AND GOSSAMER RUBBER WORK. Has special shuttle No. 12487 and sectional race for easy removal of shuttle for cleaning. Drop feed, special presser foot and oil cup, bobbin No. 2996. Balance wheel No. 12358. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 2000. Cipher, EGHUS. See Form 9168. Weight in lbs., 53 net, 77 gross. Cubic meas., 2 ft. 3 in.	
31-17	FOR LEATHER. Drop feed, shuttle No. 19292, roller presser, bobbin No. 2996. Balance wheel No. 12358. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 2000. Cipher, EGHYT. See Form 9169. Weight in lbs., 53 net, 77 gross. Cubic meas., 2 ft. 3 in.	



## MACHINES OF CLASS 31

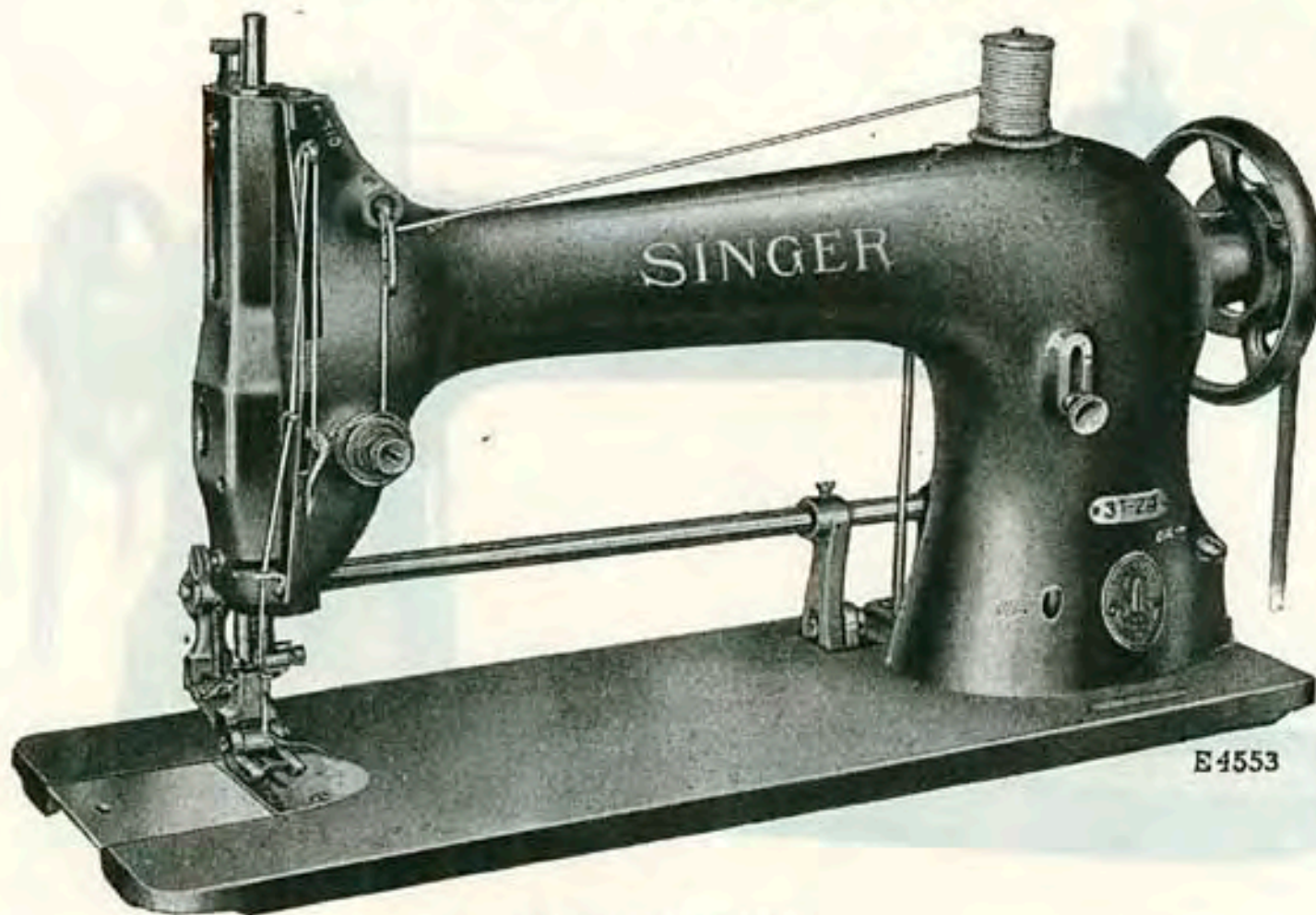


MACHINE No. 31-18

NO.	DESCRIPTION	PRICE
<b>31-18</b>	FOR LEATHER. Wheel feed, roller presser, shuttle No. 19292 and bobbin No. 2996. Balance wheel No. 12358. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 2000. Cipher, EGJEP. See Form 9170. Weight in lbs., 55 net, 80 gross. Cubic meas., 2 ft. 5 in.	
<b>31-19</b>	FOR ENAMELED OR PLAIN CLOTH, also light leather; especially useful for fabrics of uneven thickness. Has drop feed, alternating pressers, shuttle No. 19292 and bobbin No. 2996. Balance wheel No. 12358. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 2000. Cipher, EGJIR. See Form 9171. Weight in lbs., 54 net, 78 gross. Cubic meas., 2 ft. 3 in. See also Machine No. 44-9.	
<b>31-20</b>	FOR CLOTH. Throat plate flush with bed. Drop feed, shuttle No. 20758 and bobbin No. 19131. Balance wheel No. 12358. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 2200. Cipher, EGJOS. See Form 9172. Weight in lbs., 53 net, 77 gross. Cubic meas., 2 ft. 3 in.	
<b>31-21</b>	FOR LEATHER. Drop feed, roller presser, shuttle No. 20758 and bobbin No. 19131. Balance wheel No. 12358. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 2000. Cipher, EGJUT. See Form 9173. Weight in lbs., 54 net, 78 gross. Cubic meas., 2 ft. 3 in.	
<b>31-22</b>	FOR CLOAKS AND OTHER HEAVY CLOTH WORK. Throat plate flush with bed. Drop feed, high lift presser, shuttle No. 20758 and bobbin No. 19131. Balance wheel No. 12358. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 2200. Cipher, EGKAP. See Form 9174. Weight in lbs., 54 net, 78 gross. Cubic meas., 2 ft. 3 in.	



**MACHINES OF CLASS 31**

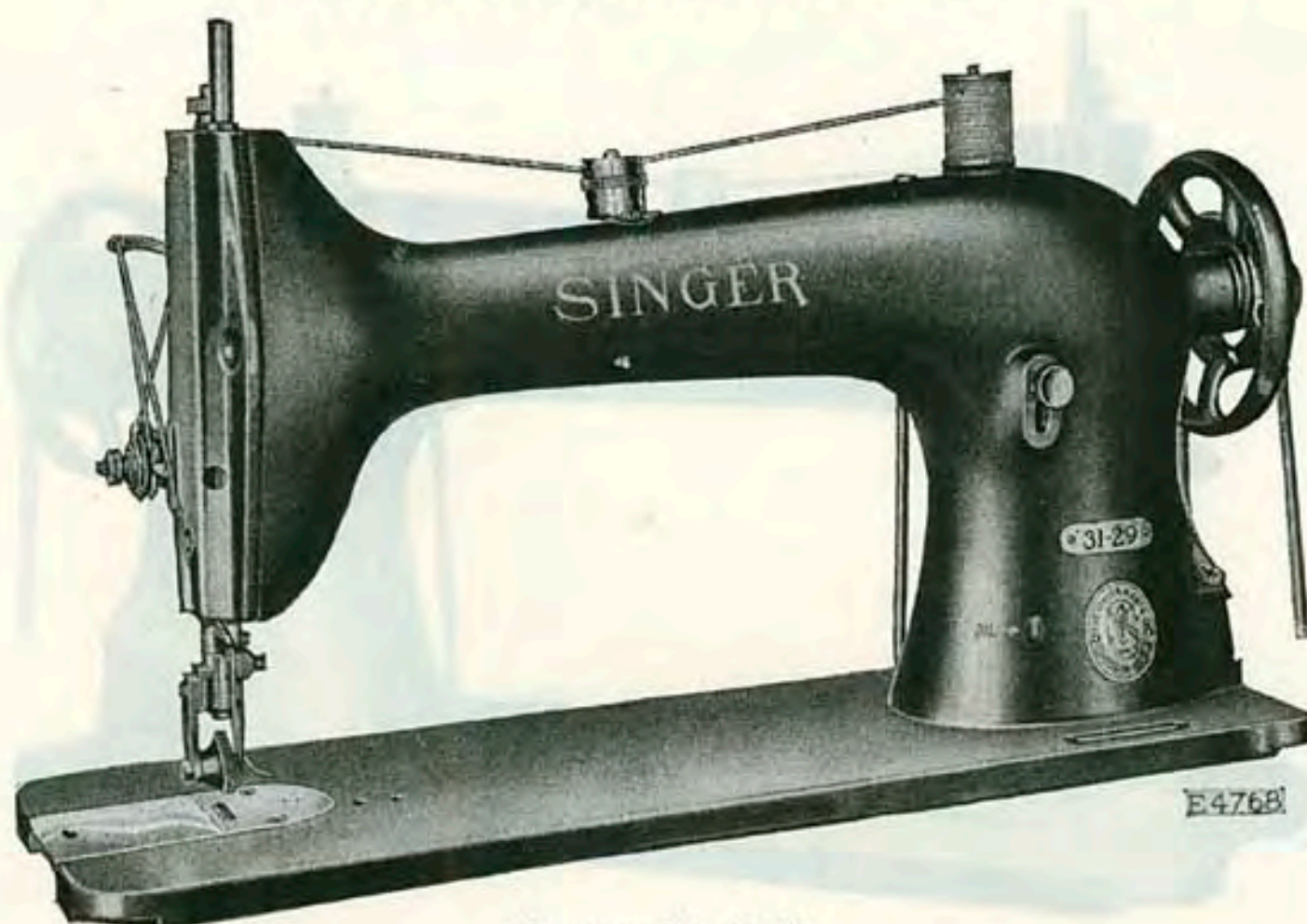


MACHINE No. 31-24

NO.	DESCRIPTION	PRICE
<b>31-24</b>	<p><b>FOR SHADE WORK, SEAMING AND FELLING FABRICS, ETC.</b>                      Has reciprocating slide above the work under the presser foot; drop feed, shuttle No. 20758 and bobbin No. 19131. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 2200. Cipher, EGKER.                      Weight in lbs., 57 net, 80 gross. Cubic meas., 2 ft. 3 in.</p>	
<b>31-27</b>	<p><b>FOR FULL OR SCANT RUFFLES</b> on thick or thin fabrics, for aprons, dresses, infants' garments, skirts, etc. Positive ruffling mechanism, drop feed, shuttle No. 19292 and bobbin No. 2996. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 2200. Cipher, EGKIS.                      Weight in lbs., 54 net, 78 gross. Cubic meas., 2 ft. 3 in.                      See also Machines Nos. 31-60, 44-22 and 44-60.</p>	



MACHINES OF CLASS 31

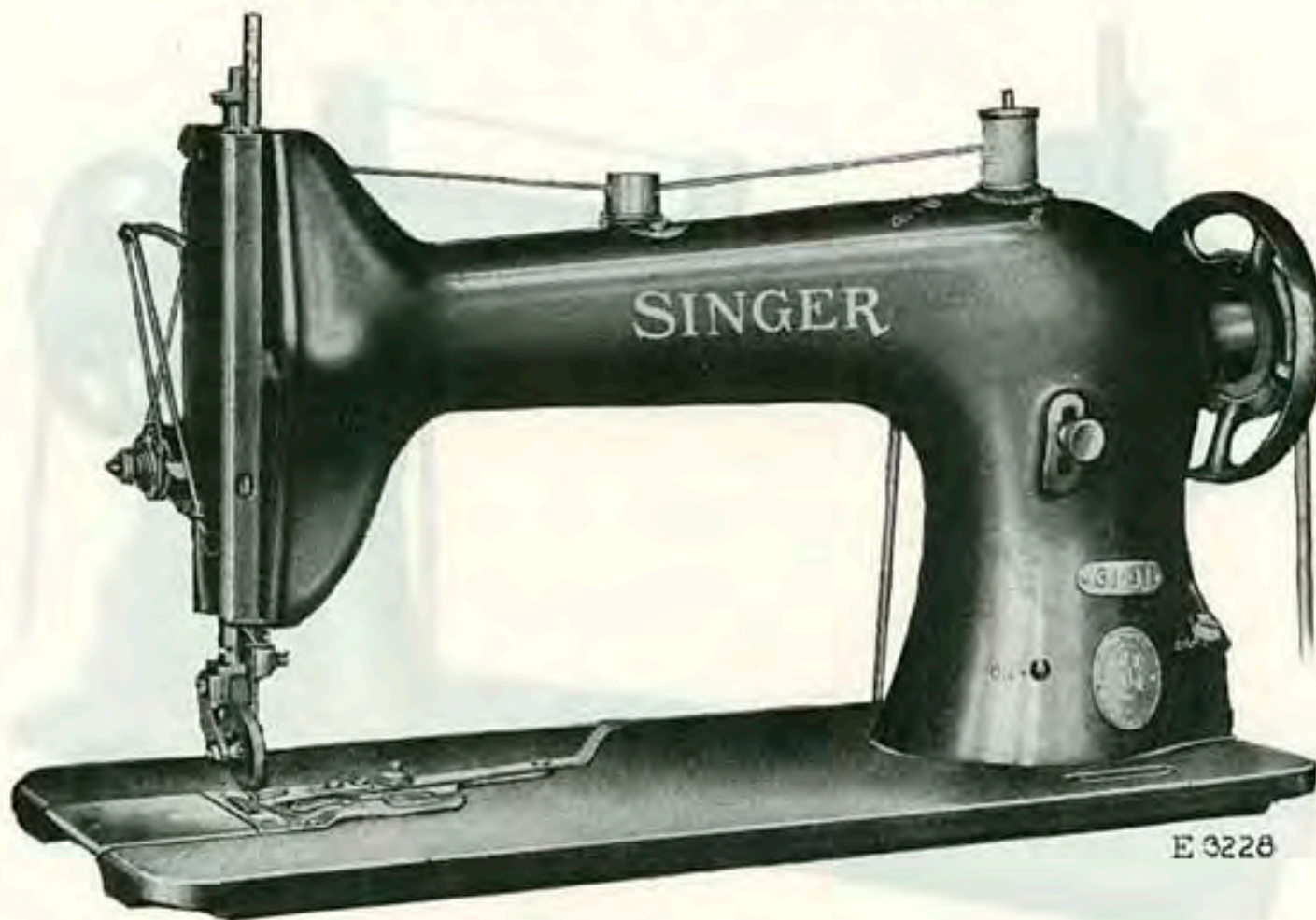


MACHINE No. 31-29

NO.	DESCRIPTION	PRICE
31-28	FOR BOOTS AND SHOES, also other work in light and medium weight leather. Long beak shuttle No. 20298, cam take-up, drop feed, bobbin No. 24051. Balance wheel No. 12358. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 1800. Cipher, EGKOT. See Form 9175. Weight in lbs., 54 net, 78 gross. Cubic meas., 2 ft. 3 in.	
31-29	Differs from Machine No. 31-28 only in having wheel feed. . . . . Speed 1800. Cipher, EGKUV. Weight in lbs., 57 net, 81 gross. Cubic meas., 2 ft. 5 in.	



MACHINES OF CLASS 31

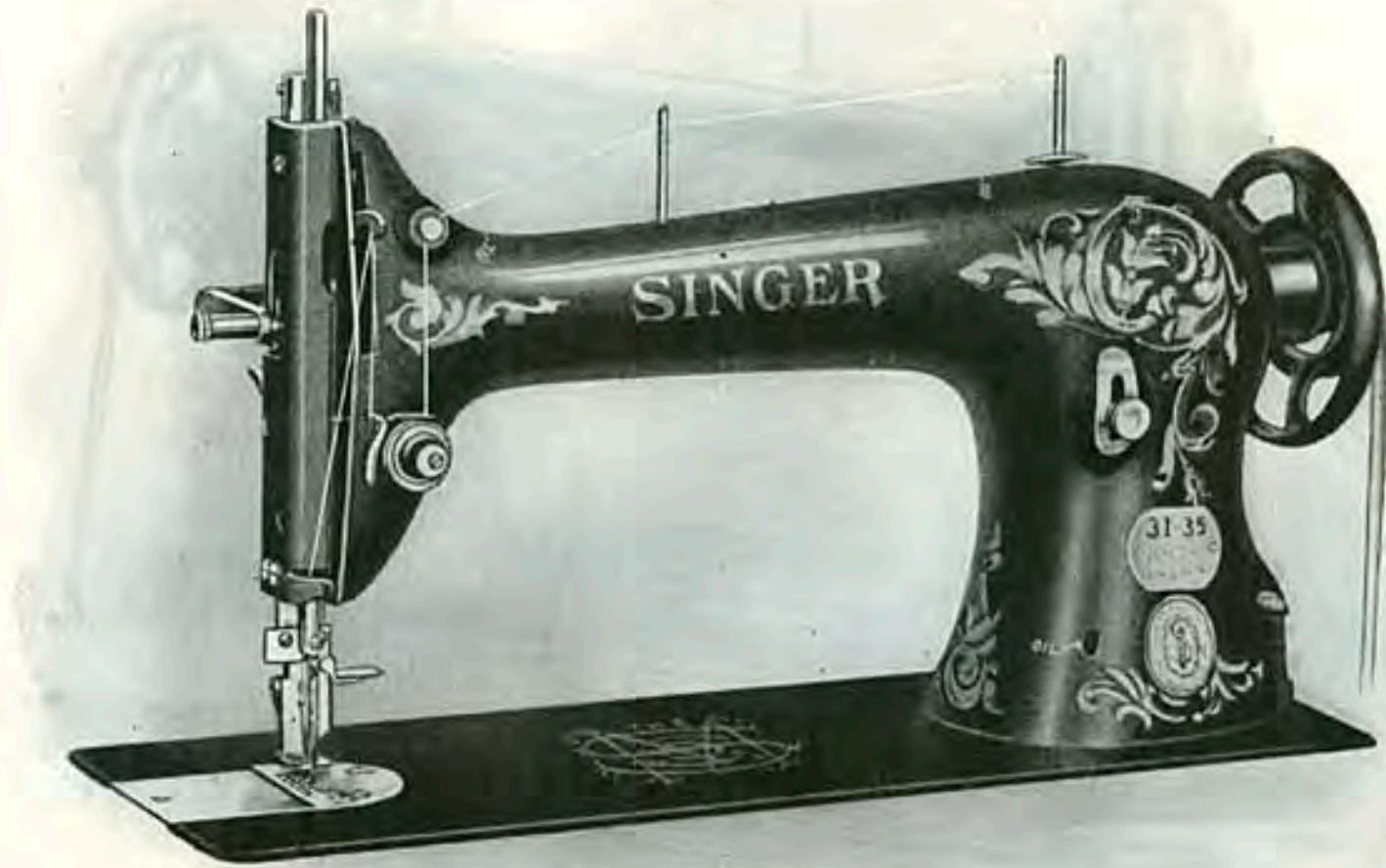


MACHINE No. 31-31

NO.	DESCRIPTION	PRICE
<b>31-30</b>	<p>FOR EDGE AND UNDER EDGE TRIMMING FOR BOOTS AND SHOES. Has long beak shuttle No. 20298, cam take-up, horizontal trimmer, drop feed, roller presser and bobbin No. 24051. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches . . . . .                      Speed 1600. Cipher, EGLAR.                      Weight in lbs., 60 net, 83 gross. Cubic meas., 2 ft. 3 in.</p>	
<b>31-31</b>	<p>Differs from Machine No. 31-30 only in having wheel feed. . . . .                      Speed 1600. Cipher, EGLES.                      Weight in lbs., 54 net, 79 gross. Cubic meas., 2 ft. 5 in.</p>	
<b>31-32</b>	<p>FOR CLOTH. Has reversible drop feed, shuttle No. 19292 and bobbin No. 2996. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 2200. Cipher, EGLIT. See Form 9176.                      Weight in lbs., 54 net, 78 gross. Cubic meas., 2 ft. 3 in.</p>	
<b>31-34</b>	<p>FOR HORSE BLANKETS, BURLAPS AND OTHER WORK. Makes stitch up to <math>\frac{1}{3}</math> inch long, shuttle No. 19292, drop feed. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 2000. Cipher, EGLOV. See Form 9177.                      Weight in lbs., 54 net, 78 gross. Cubic meas., 2 ft. 3 in.</p>	



MACHINES OF CLASS 31

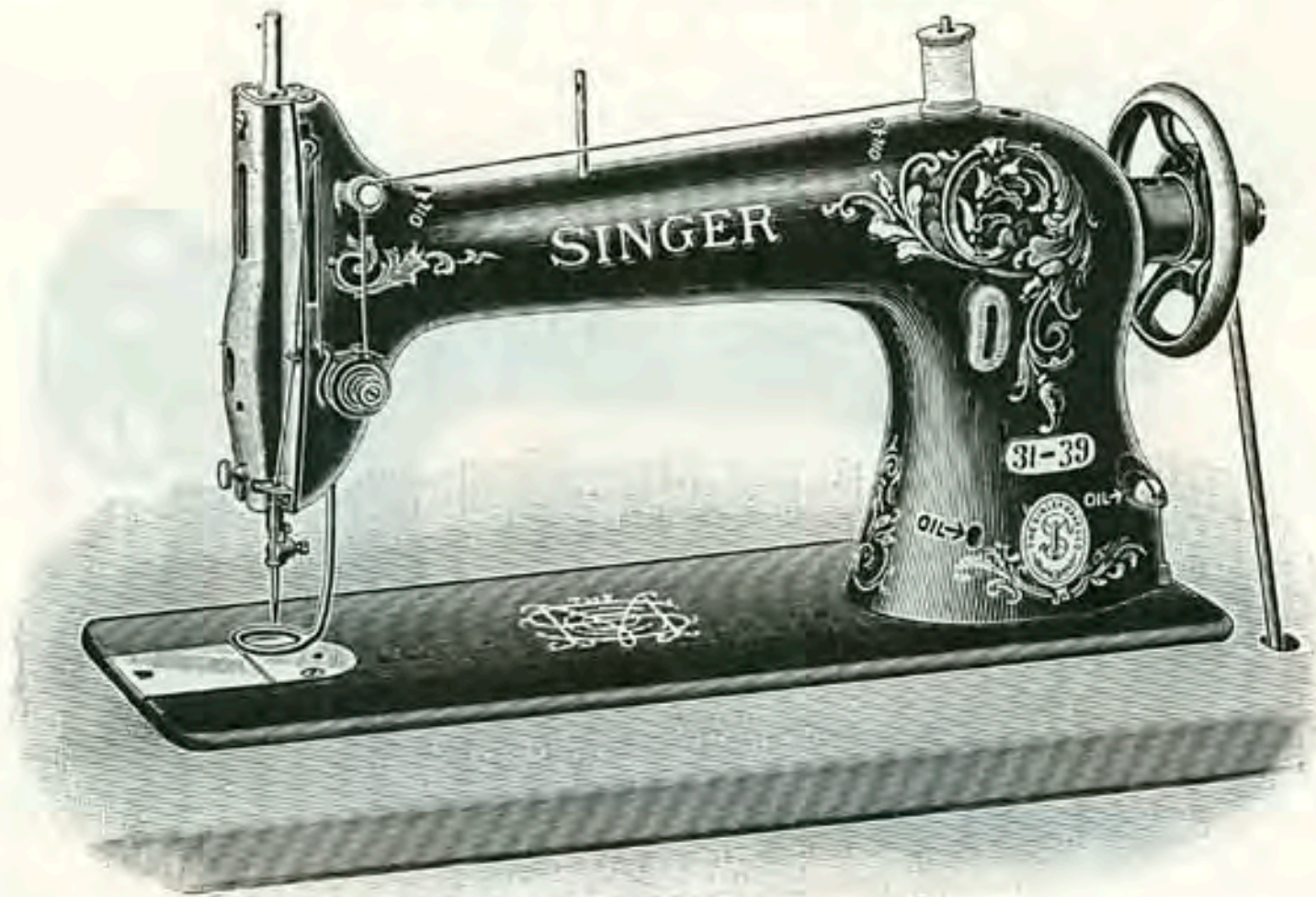


MACHINE No. 31-35

NO.	DESCRIPTION	PRICE
<b>31-35</b>	<p><b>FOR LIGHT OR HEAVY CLOTH.</b> Has vertical trimmer that trims from <math>\frac{1}{16}</math> to <math>\frac{1}{4}</math> inch from the seam; drop feed, shuttle No. 19292 and bobbin No. 2996. Machines are fitted with <math>\frac{1}{8}</math> inch cutting bar unless otherwise ordered, and an extra <math>\frac{3}{16}</math> inch cutting bar and presser foot are also furnished. When a different width is ordered the extra cutting bar will be one size larger except when <math>\frac{1}{4}</math> inch is required. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 1800. Cipher, EGLYX. See Form 9178.                      Weight in lbs., 54 net, 78 gross. Cubic meas., 2 ft. 3 in.                      See also Machine No. 44-8.</p>	
	<p><small>NOTE.</small> Knife grinder No. 27661 is necessary. This can be used for several machines and must be ordered separately on Form 430.</p>	
<b>31-36</b>	<p><b>FOR LEATHER.</b> Has vertical trimmer, drop feed, shuttle No. 19292 and bobbin No. 2996. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 1800. Cipher, EGMAS. See Form 9179.                      Weight in lbs., 55 net, 79 gross. Cubic meas., 2 ft. 3 in.                      See also Machine No. 44-4.</p>	



## MACHINES OF CLASS 31

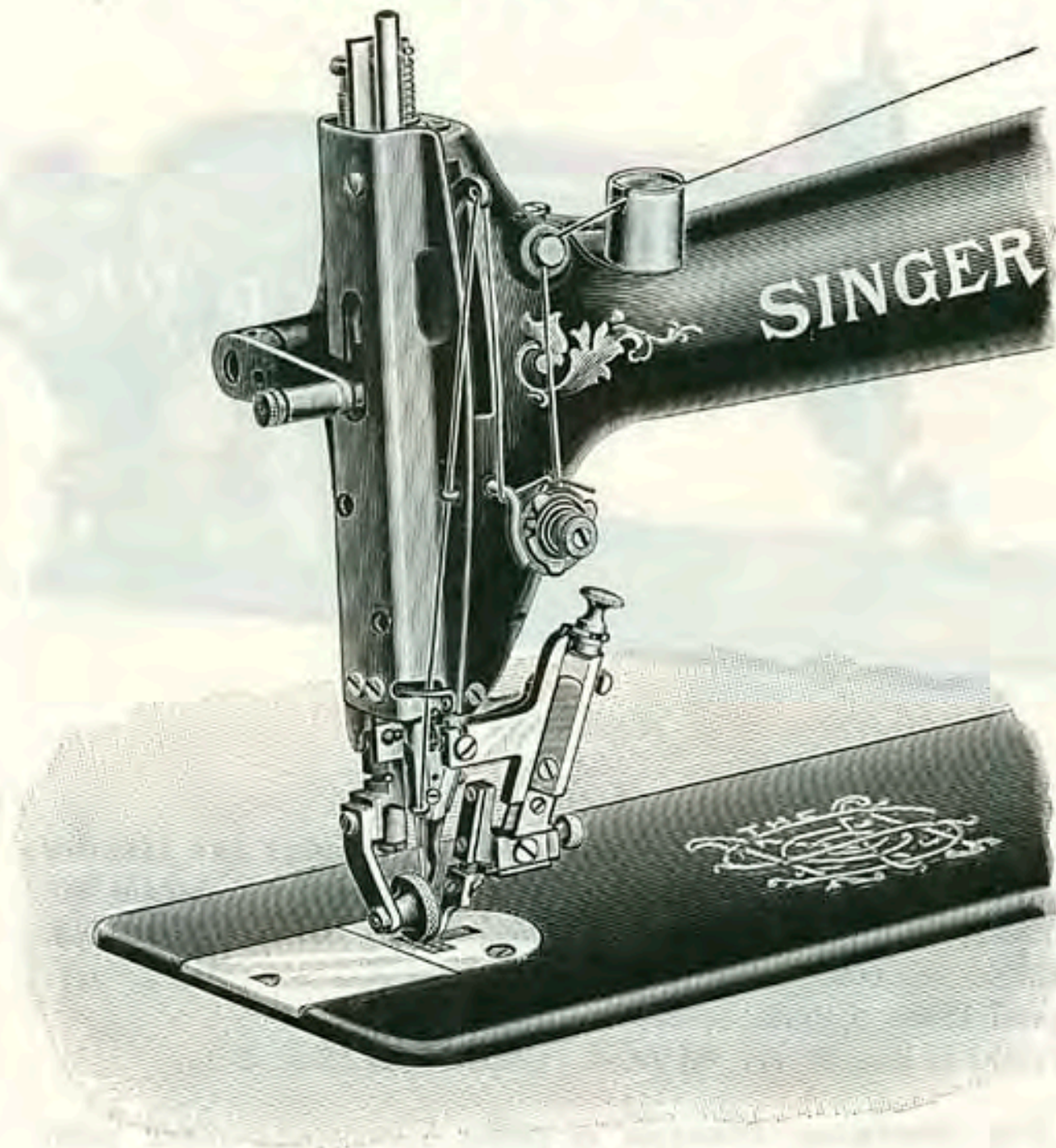


MACHINE No. 31-39

NO.	DESCRIPTION	PRICE
<b>31-37</b>	<p><b>MAKES SINGLE, DOUBLE OR TRIPLE BOX PLAITS OR RUFFLES</b> across strips up to <math>2\frac{1}{4}</math> inches wide, or upon the edges of wide fabrics, and stitches them down from <math>\frac{1}{16}</math> to <math>1\frac{1}{8}</math> inches from the edges, at the same time stitching them to another piece if desired. Nine plaiting cams, Nos. 20413 to 20421, are included in the price and no deduction will be made for cams not required. Shuttle No. 19292. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{1}{16}</math> inches. Speed 600. Cipher, EGMET. See Form 9180 for illustrations. Weight in lbs., 72 net, 112 gross. Cubic meas., 3 ft. 9 in. See also Machine No. 31-63.</p>	
<b>31-38</b>	<p><b>FOR LEATHER.</b> Has vertical trimmer, wheel feed, shuttle No. 19292 and bobbin No. 2996. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. Speed 1800. Cipher, EGMIV. See Form 9179. Weight in lbs., 52 net, 78 gross. Cubic meas., 2 ft. 5 in. See also Machine No. 44-25.</p>	
<b>31-39</b>	<p><b>FOR DARNING LACE CURTAINS.</b> Throat plate with small needle hole. No feed mechanism. Shuttle No. 19292. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. Speed 1800. Cipher, EGMOW. See Form 9182. Weight in lbs., 48 net, 72 gross. Cubic meas., 2 ft. 3 in.</p>	



MACHINES OF CLASS 31



MACHINE No. 31-40

NO.	DESCRIPTION	PRICE
31-40	<p>FOR STITCHING SHOES, SANDAL SLIPPERS, ETC., and at the same time undertrimming the linings. Has suspended, oblique under-edge trimmer, with knife disengaging device operated by the knee or foot lifter, adjustable protecting guide for the edge of upper piece, drop feed, shuttle No. 19292 and bobbin No. 2996. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. Orders for Machines Nos. 31-40 and 41-41 should state whether they are for women's or men's shoes, or for sandal slippers. . . . .                      Speed 1600. Cipher, EGMUX. See Form 9183.                      Weight in lbs., 55 net, 79 gross. Cubic meas., 2 ft. 3 in.                      See also Machines Nos. 44-18, 44-19, 44-26 and 44-27.</p>	
31-41	<p>Differs from Machine No. 31-40 only in having wheel feed. . . . .                      Speed 1600. Cipher, EGMYZ.                      Weight in lbs., 54 net, 79 gross. Cubic meas., 2 ft. 5 in.</p>	
31-42	<p>FOR FLOSSING CORSETS AND ORNAMENTAL STITCHING. Stops automatically with presser raised each time the needle rises; no feed mechanism. The work is moved by hand to form the desired ornament. Shuttle No. 19292. Balance wheel No. 12313. Diameter of belt groove <math>2\frac{1}{2}</math> inches. . . . .                      Speed 200. Cipher, EGNAT. See Form 9184.                      Weight in lbs., 60 net, 96 gross. Cubic meas., 3 ft. 8 in.</p>	



MACHINES OF CLASS 31



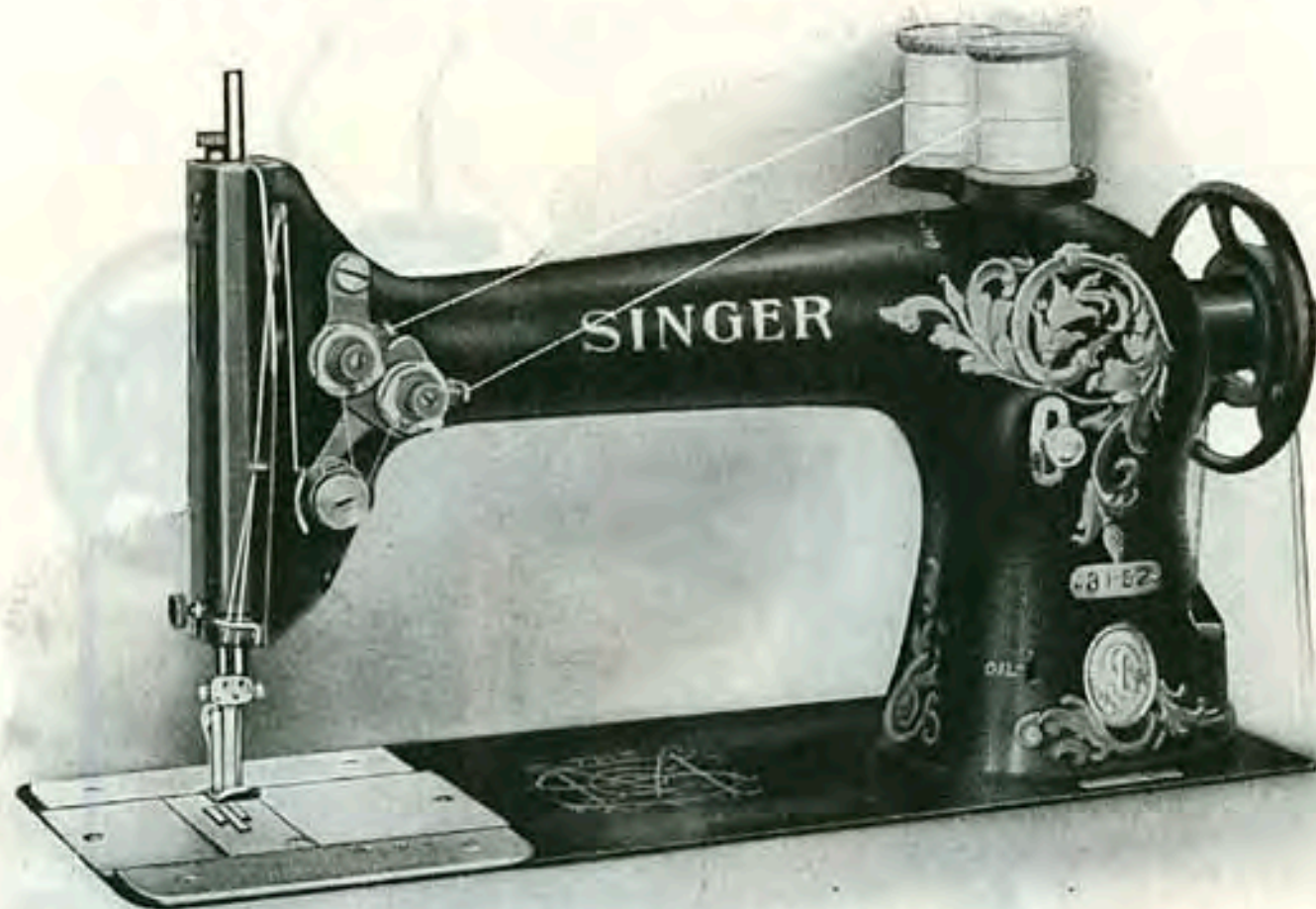
MACHINE No. 31-44

NO.	DESCRIPTION	PRICE
31-43	FOR BOOTS, SHOES AND OTHER WORK IN LIGHT AND MEDIUM WEIGHT LEATHER. Has vertical trimmer, long beak shuttle No. 20298, cam thread take-up and wheel feed. Balance wheel No. 12358. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 1800. Cipher, EGV. EV. Weight in lbs., 56 net, 82 gross. Cubic meas., 2 ft. 5 in.	
31-44	FOR STITCHING TONGUES IN SHOE VAMPS and other plain stitching on shoes where it is desirable to cut the thread at the finish of the operation. Central bobbin shuttle No. 19292, drop feed, roller presser, automatic stop and thread cutting mechanism. Foot lifter. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EGN. EV. Weight in lbs., 74 net, 108 gross. Cubic meas., 3 ft. 6 in.	
31-45	FOR LIGHT WORK ON SHOES. Wheel feed, roller presser, shuttle No. 24059 and bobbin No. 24051. Has sectional shuttle race for easy removal of shuttle for cleaning. Balance wheel No. 24328. Diameter of belt groove $2\frac{1}{4}$ inches. . . . . Speed 2400. Cipher, EGN. EV. Weight in lbs., 52 net, 78 gross. Cubic meas., 2 ft. 5 in.	



## MACHINES OF CLASS 31

TWO NEEDLES, TWO SHUTTLES, BOBBIN No. 19131.

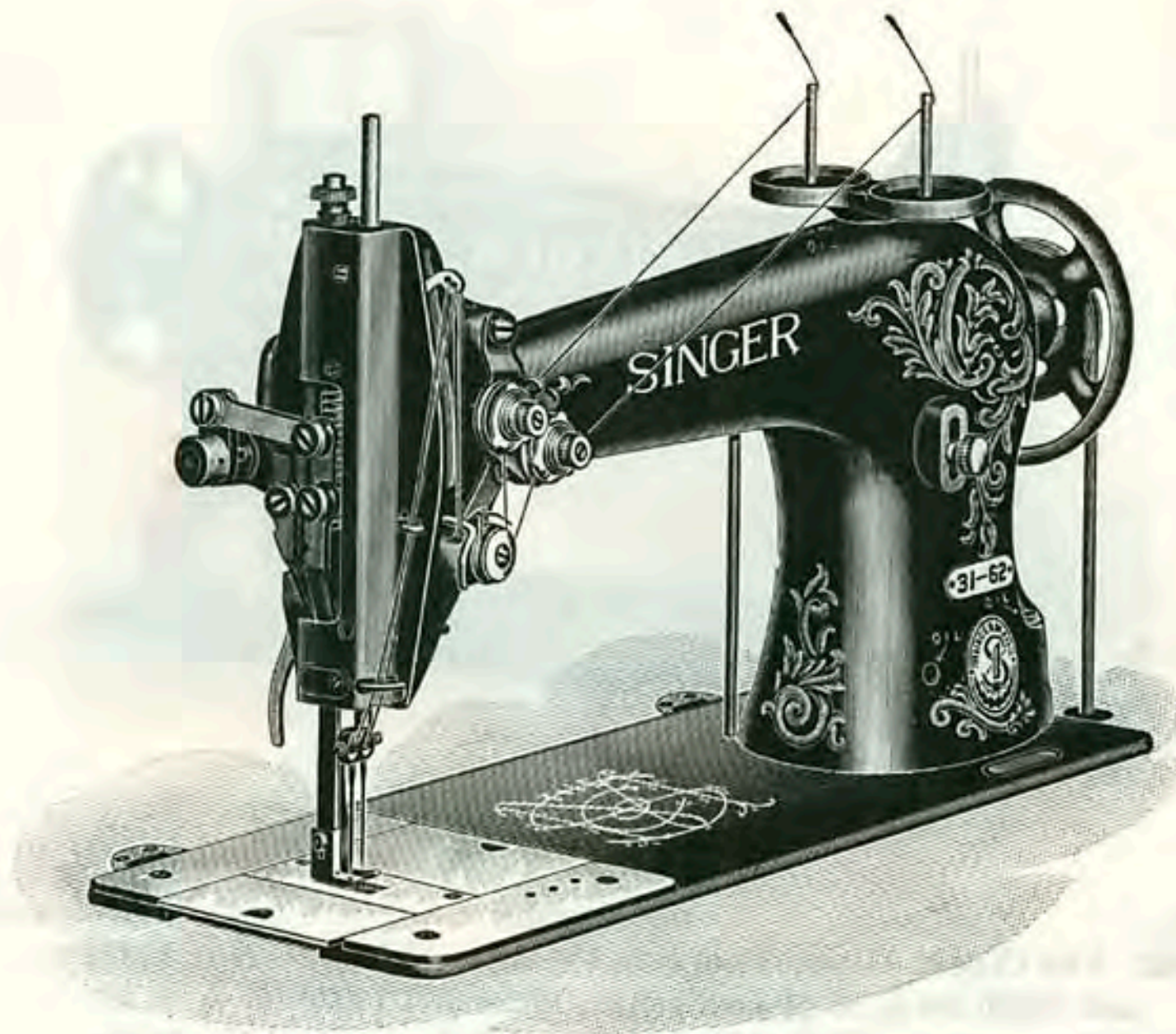


MACHINE No. 31-52

NO	DESCRIPTION	PRICE
31-52	<p>FOR CLOTH. Gauges from <math>\frac{1}{32}</math> to <math>1\frac{1}{4}</math> inches. (Shuttles Nos. 19324 and 19326 for <math>\frac{1}{32}</math> to <math>\frac{13}{64}</math> inch gauge; 19324 and 19325 for <math>\frac{7}{32}</math> to <math>1\frac{1}{4}</math> inches gauge). High raise drop feed. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....</p> <p>Speed 2000. Cipher, EGPUB. See Form 9185.</p> <p>Weight in lbs., 65 net, 98 gross. Cubic meas., 3 ft. 6 in.</p> <p><small>NOTE. Lap Seam Feller for this machine can be furnished at an additional price of net.</small></p>	
31-55	<p>FOR VAMPING AND STAYING SHOES. Gauges from <math>\frac{1}{32}</math> to <math>\frac{3}{16}</math> inch for vamping and from <math>\frac{3}{32}</math> to <math>\frac{1}{4}</math> inch for staying. (Shuttles Nos. 19324 and 19326 for <math>\frac{1}{32}</math> to <math>\frac{13}{64}</math> inch gauge; 19324 and 19325 for <math>\frac{7}{32}</math> to <math>\frac{1}{4}</math> inch gauge). Throat plate flush with bed, drop feed. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....</p> <p>Speed 1800. Cipher, EGREZ. See Form 9186.</p> <p>Weight in lbs., 64 net, 96 gross. Cubic meas., 3 ft. 6 in.</p>	



**MACHINES OF CLASS 31**  
**TWO NEEDLES, TWO SHUTTLES**

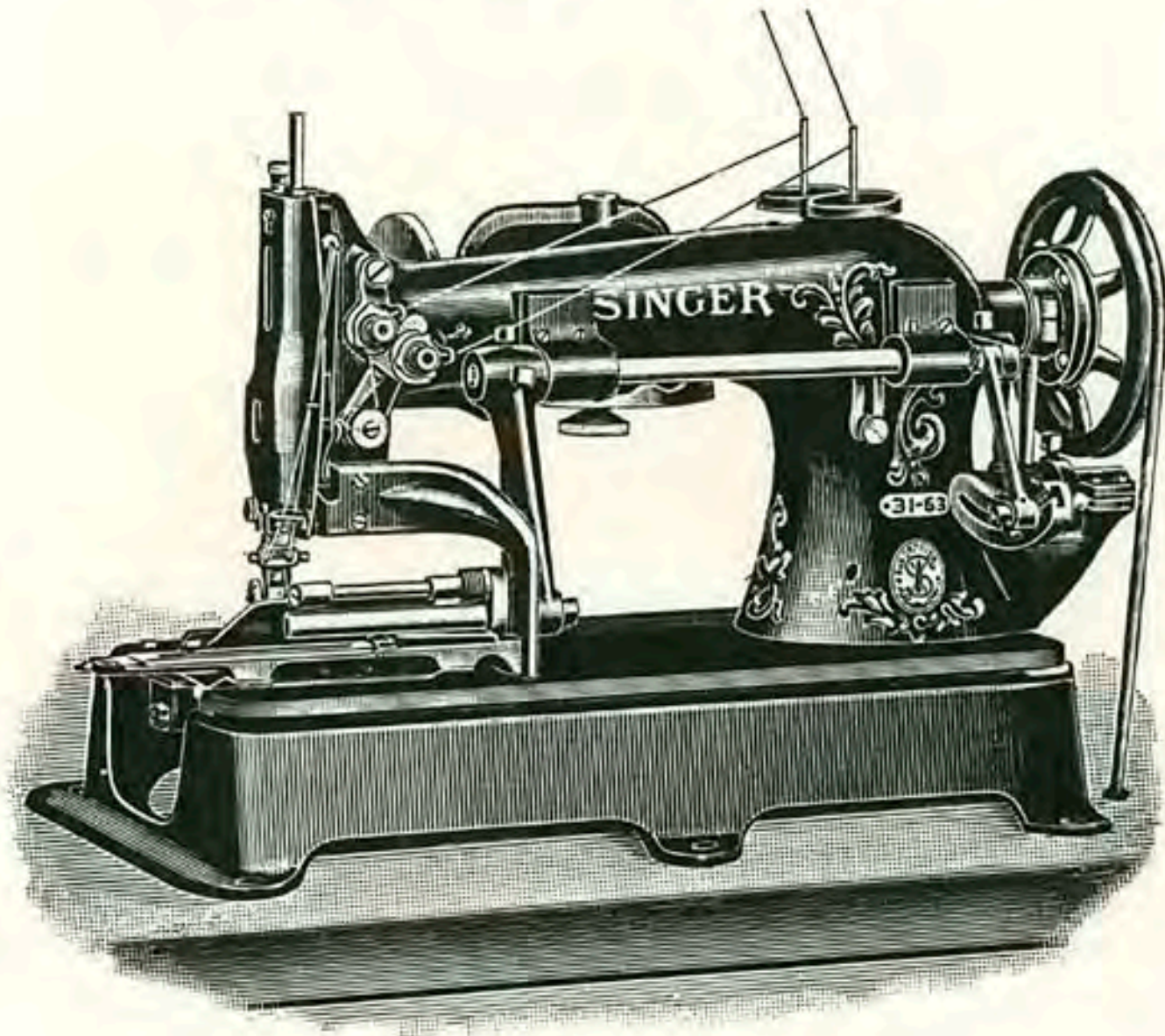


MACHINE No. 31-62

NO.	DESCRIPTION	PRICE
31-60	<p>FOR RUFFLING, FOR THICK OR THIN FABRICS, APRONS, DRESSES, INFANTS' GARMENTS, CURTAINS, SKIRTS, ETC. Positive ruffling mechanism; guides for tape, cord and strips. Edge folders and tape reels can be furnished; gauges of machine from <math>\frac{1}{8}</math> to <math>\frac{3}{4}</math> inch. (Shuttles Nos. 19324 and 19326 for <math>\frac{1}{8}</math> to <math>\frac{13}{64}</math> inch gauge; 19324 and 19325 for <math>\frac{7}{32}</math> to <math>\frac{3}{4}</math> inch gauge). Drop feed. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 2000. Cipher, EGSOC.                      Weight in lbs., 64 net, 96 gross. Cubic meas., 3 ft. 6 in.                      See also Machines Nos. 31-27, 44-22 and 44-60.</p>	
31-62	<p>FOR STITCHING IN LIGHT AND MEDIUM WEIGHT FABRICS. Gauges from <math>\frac{3}{32}</math> to <math>1\frac{1}{4}</math> inches. (Shuttles Nos. 19324 and 19326 for <math>\frac{3}{32}</math> to <math>\frac{13}{64}</math> inch gauge; 19324 and 19325 for <math>\frac{7}{32}</math> to <math>1\frac{1}{4}</math> inches gauge). Drop feed, alternating pressers. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 2000. Cipher, EGTEB. See Form 9187.                      Weight in lbs. 65 net, 97 gross. Cubic meas., 3 ft. 6 in.</p>	



**MACHINES OF CLASS 31**  
TWO NEEDLES, TWO SHUTTLES.



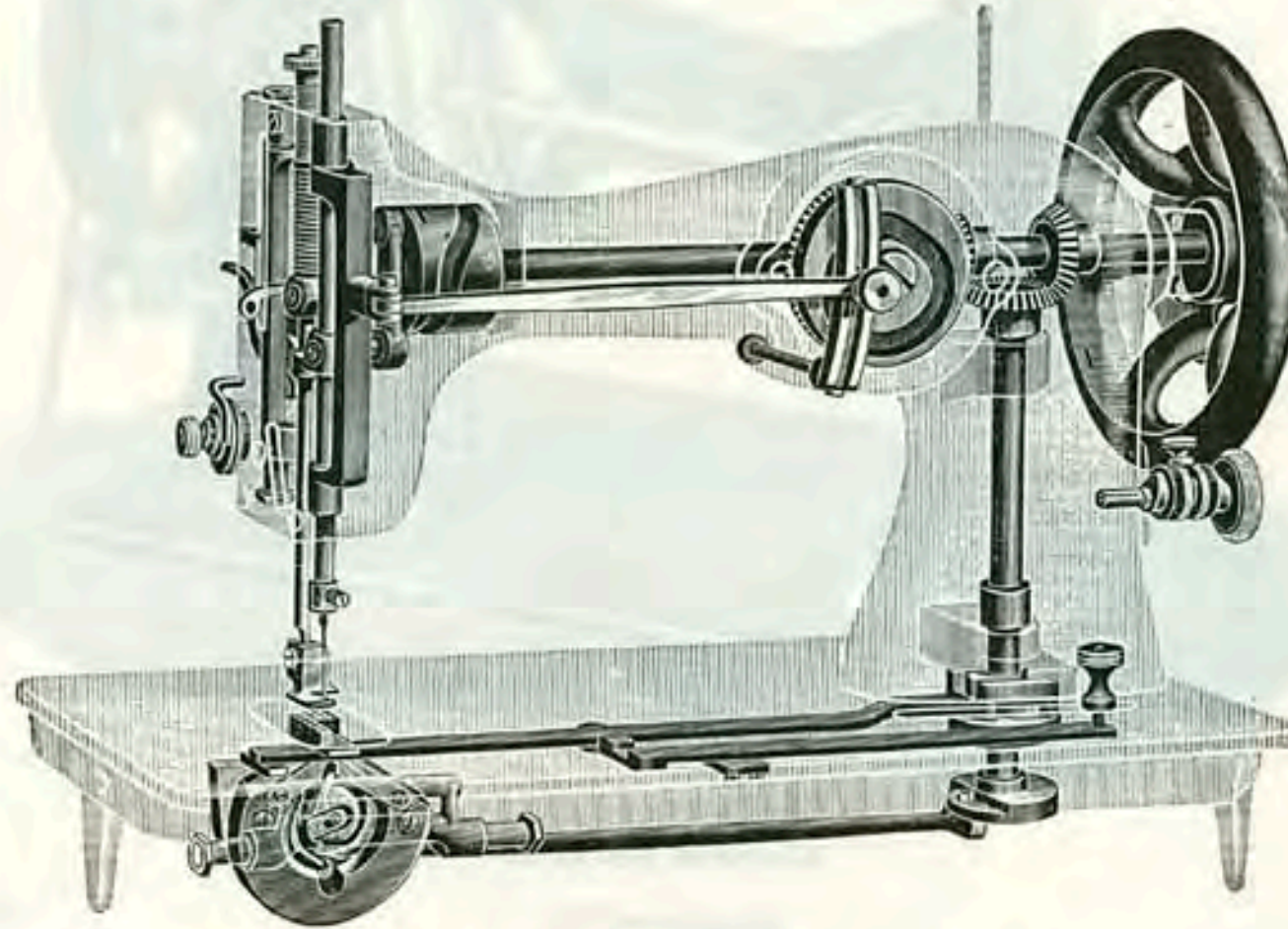
MACHINE No. 31-63

NO.	DESCRIPTION	PRICE
<b>31-63</b>	<p>MAKES SINGLE, DOUBLE, TRIPLE AND QUADRUPLE BOX AND KNIFE PLAITS, in fabrics from <math>\frac{1}{2}</math> to <math>6\frac{7}{8}</math> inches wide, and from <math>\frac{1}{8}</math> to <math>\frac{5}{8}</math> inch deep; greatest distance between guide and needle on the right hand, <math>2\frac{1}{2}</math> inches; strips, or the edges of wide pieces may be plaited, or plaited and sewed on in one operation; one needle may be removed and machine used for single needle work; the line of stitching may be anywhere from near the edge to the limit of guide adjustment. Fourteen plaiting cams, Nos. 20413 to 20421 and 43830 to 43834, are included in the price and no deduction will be made for cams not required. Drop feed. Gauges <math>\frac{3}{16}</math> to <math>1\frac{1}{4}</math> inches. (Shuttles Nos. 19326 and 43876 for <math>\frac{3}{16}</math> inch gauge; 19325 and 43876 for <math>\frac{7}{32}</math> to <math>1\frac{1}{4}</math> inches gauge). Balance wheel No. 43820. Diameter of belt groove <math>5\frac{9}{16}</math> inches.....</p> <p>Speed 450. Cipher, EGTC. See Form 9107.</p> <p>Weight in lbs., 72 net, 112 gross. Cubic meas., 3 ft. 9 in.</p> <p>See also Machine No. 31-37.</p>	



## MACHINES OF CLASS 32

Bed  $15\frac{3}{4}$  inches long,  $7\frac{5}{8}$  inches clear space at right of needle. Bobbin No. 2996.  
 Central bobbin. Vertical shuttle. Overseaming and ornamental stitches,  
 also eyelets. Knee lifters only with machines so described  
 unless specified on the order.



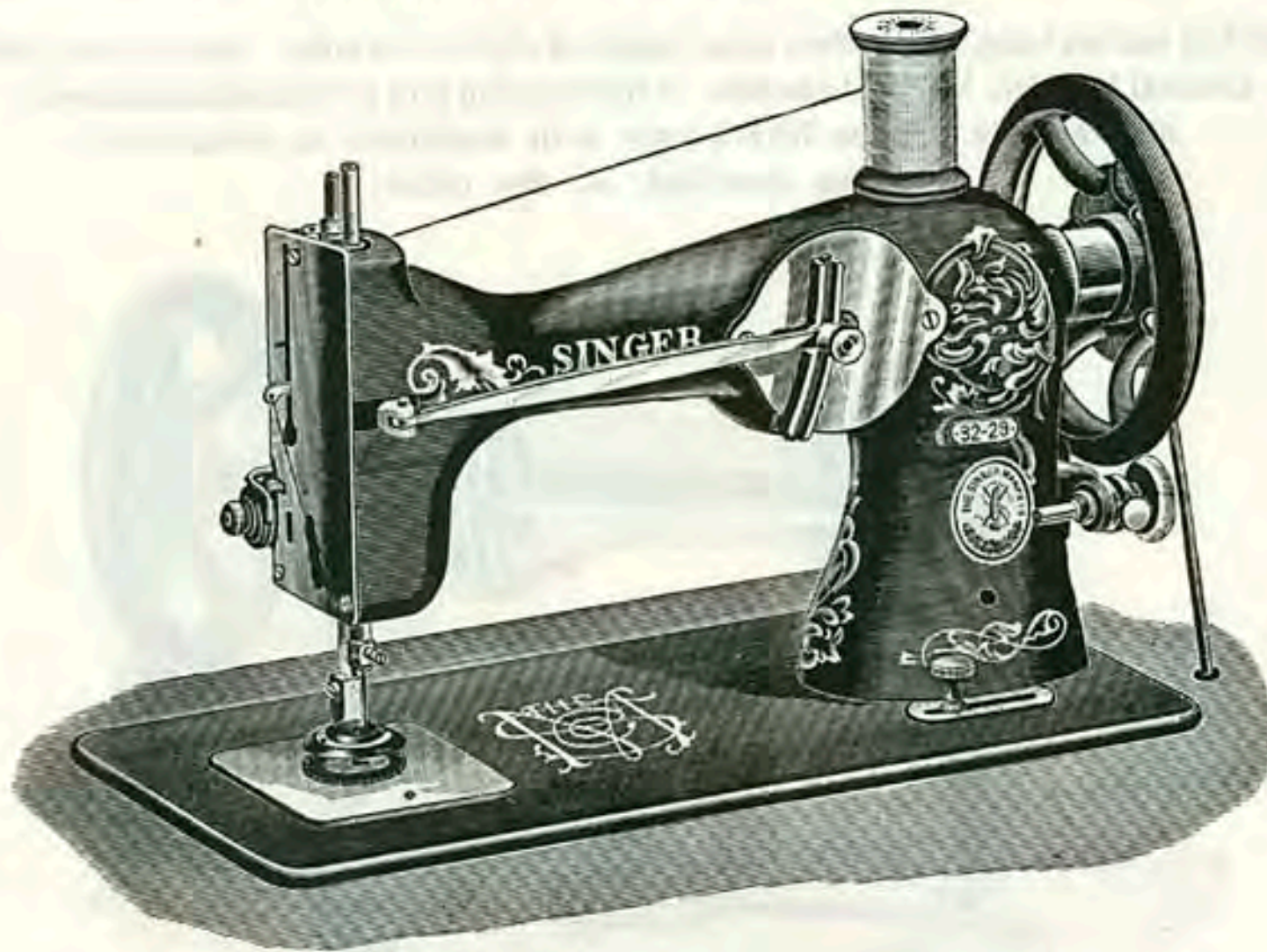
MACHINE NO. 32-1 (PHANTOM VIEW)

NO.	DESCRIPTION	PRICE
32-1	FOR OVERSEAMING. Needle throw up to $\frac{1}{4}$ inch; needle vibrates both sides of centre line. Shuttle No. 15729, drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1200. Cipher, EHBAA. Weight in lbs., 44 net, 63 gross. Cubic meas., 1 ft. 10 in.	
32-24	FOR OVERSEAMING. Needle throw up to $\frac{1}{8}$ inch; needle vibrates to the right of centre line. Shuttle No. 15729, drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1200. Cipher, EHGUS. Weight in lbs., 38 net, 57 gross. Cubic meas., 1 ft. 10 in.	
32-25	FOR OVERSEAMING. Needle throw up to $\frac{1}{8}$ inch; needle vibrates to the left of centre line. Shuttle No. 15729, drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1200. Cipher, EHGYS. Weight in lbs., 39 net, 58 gross. Cubic meas., 1 ft. 10 in.	
32-26	FOR OVERSEAMING. Needle throw up to $\frac{1}{8}$ inch; needle vibrates both sides of centre line. Shuttle No. 15729, drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1200. Cipher, EHHEP. Weight in lbs., 39 net, 58 gross. Cubic meas., 1 ft. 10 in.	

NOTE. For machines of Class 32, Overseaming, see Form 9025.



MACHINES OF CLASS 32



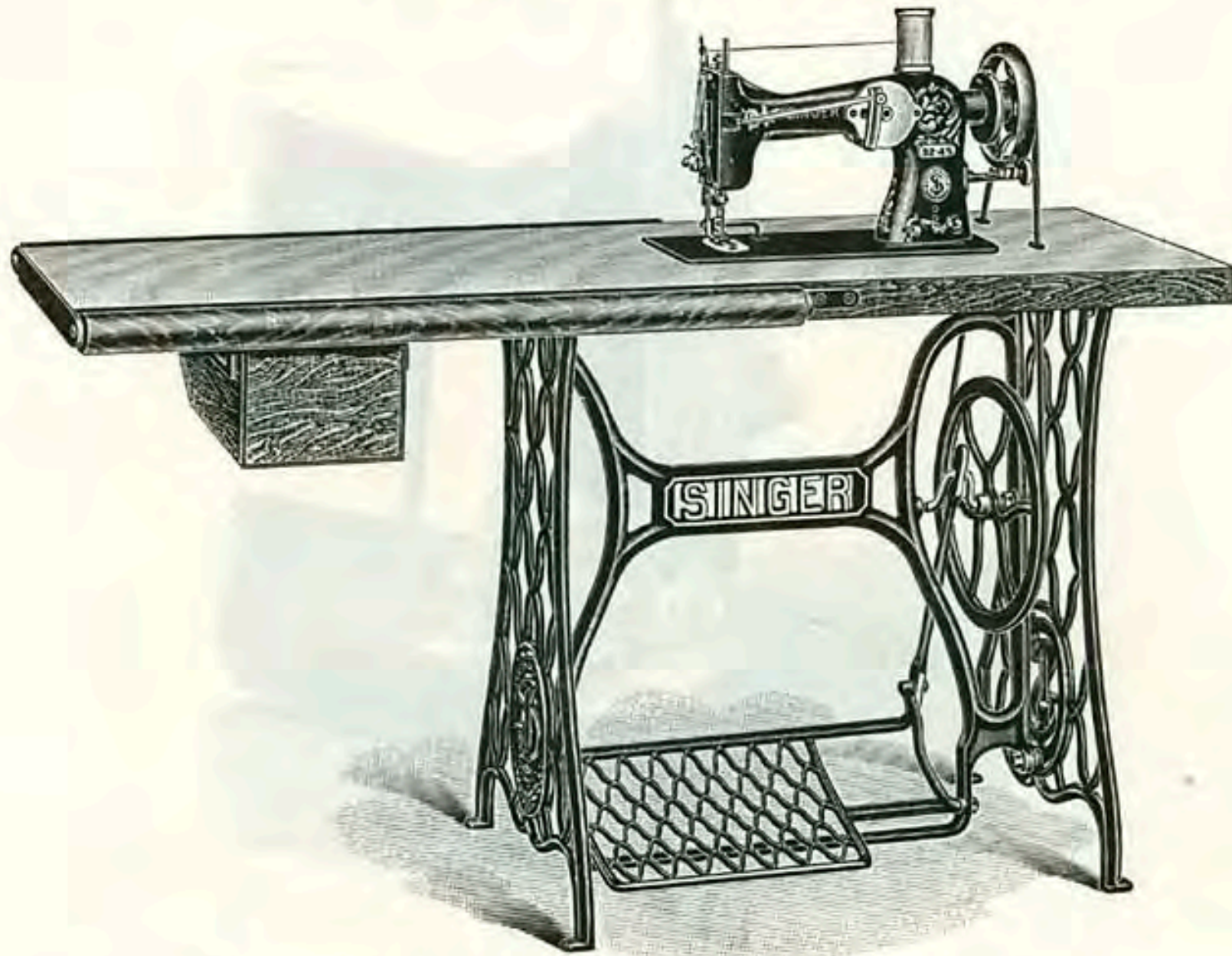
MACHINE No. 32-29

NO.	DESCRIPTION	PRICE
32-29	<p>FOR MAKING EYELETS up to 1/2 inch outside diameter. Shuttle No. 15729, rotating feed, presser foot, knee lifter and tension releaser. Balance wheel No. 7370. Diameter of belt groove 2 3/4 inches.....</p> <p>Speed 1000. Cipher, EHHIR.</p> <p>Weight in lbs., 42 net, 61 gross. Cubic meas., 1 ft. 10 in.</p>	
32-38	<p>FOR OVERSEAM SERGING IN CLOTHING. Has cord guiding presser foot for making long or short tacks in garments. Shuttle No. 15729, drop feed. Balance wheel No. 7370. Diameter of belt groove 2 3/4 inches.....</p> <p>Speed 1200. Cipher, EHJER.</p> <p>Weight in lbs., 42 net, 61 gross. Cubic meas., 1 ft. 10 in.</p>	
32-41	<p>FOR MAKING FINE EYELETS up to 1/4 inch outside diameter, in shirts, muslin goods, etc. Shuttle No. 15729, concave rotating feed, small stationary presser foot, knee lifter and tension releaser. Balance wheel No. 7370. Diameter of belt groove 2 3/4 inches....</p> <p>Speed 1000. Cipher, EHJIS.</p> <p>Weight in lbs., 40 net, 59 gross. Cubic meas., 1 ft. 10 in.</p>	
32-43	<p>FOR EYELETS up to 1/2 inch outside diameter. Three parallel circles of stitching can be made in each eyelet if desired; has fastening device for making a line of plain stitches around the outside of eyelet. Shuttle No. 15729, rotating feed, presser foot, knee lifter and tension releaser. Balance wheel No. 7370. Diameter of belt groove 2 3/4 inches.....</p> <p>Speed 1000. Cipher, EHKAR.</p> <p>Weight in lbs., 43 net, 62 gross. Cubic meas., 1 ft. 10 in.</p>	

NOTE. The "Fastening Device," described in Machine No. 32-43, can also be applied to other eyelet machines when so ordered. Price extra to machine



## MACHINES OF CLASS 32



MACHINE NO. 32-45 ON TABLE NO. 5436 AND STAND NO. 25288  
(For List Price of Table and Stand see Form 8801)

NO.	DESCRIPTION	PRICE
32-44	<p>FOR EYELETS up to <math>\frac{1}{2}</math> inch outside diameter. Two needles, one shuttle No. 15729, <math>\frac{3}{32}</math> inch between needles, <math>\frac{5}{32}</math> inch needle bar throw. Rotating feed, presser foot, knee lifter and tension releaser. Balance wheel No. 7370. Diameter of belt groove <math>2\frac{3}{4}</math> inches.....</p> <p>Speed 1000. Cipher, EHKES.</p> <p>Weight in lbs., 44 net, 61 gross. Cubic meas., 1 ft. 10 in.</p>	
32-45	<p>FOR OVERSTITCHING INGRAIN CARPETS. Has shuttle No. 15729, tension releaser, guide, knee lifter, upper and lower feed and alternating pressers. Balance wheel No. 7706. Diameter of belt groove <math>2\frac{13}{16}</math> inches.....</p> <p>Speed 1200. Cipher, EHKIT. See Form 9029.</p> <p>Weight in lbs., 45 net, 67 gross. Cubic meas., 2 ft. 3 in.</p>	
32-46	<p>FOR FINE EYELETS with purled edge, up to <math>\frac{1}{4}</math> inch outside diameter, in linens, muslins and other fabrics. Shuttle No. 15626, knee lifter, tension releaser. Balance wheel No. 7370. Diameter of belt groove <math>2\frac{3}{4}</math> inches.....</p> <p>Speed 1000. Cipher, EHKOV.</p> <p>Weight in lbs., 42 net, 61 gross. Cubic meas., 1 ft. 10 in.</p>	

NOTE. For machines of Class 32, for eyelets, see Form 9027.



MACHINES OF CLASS 32

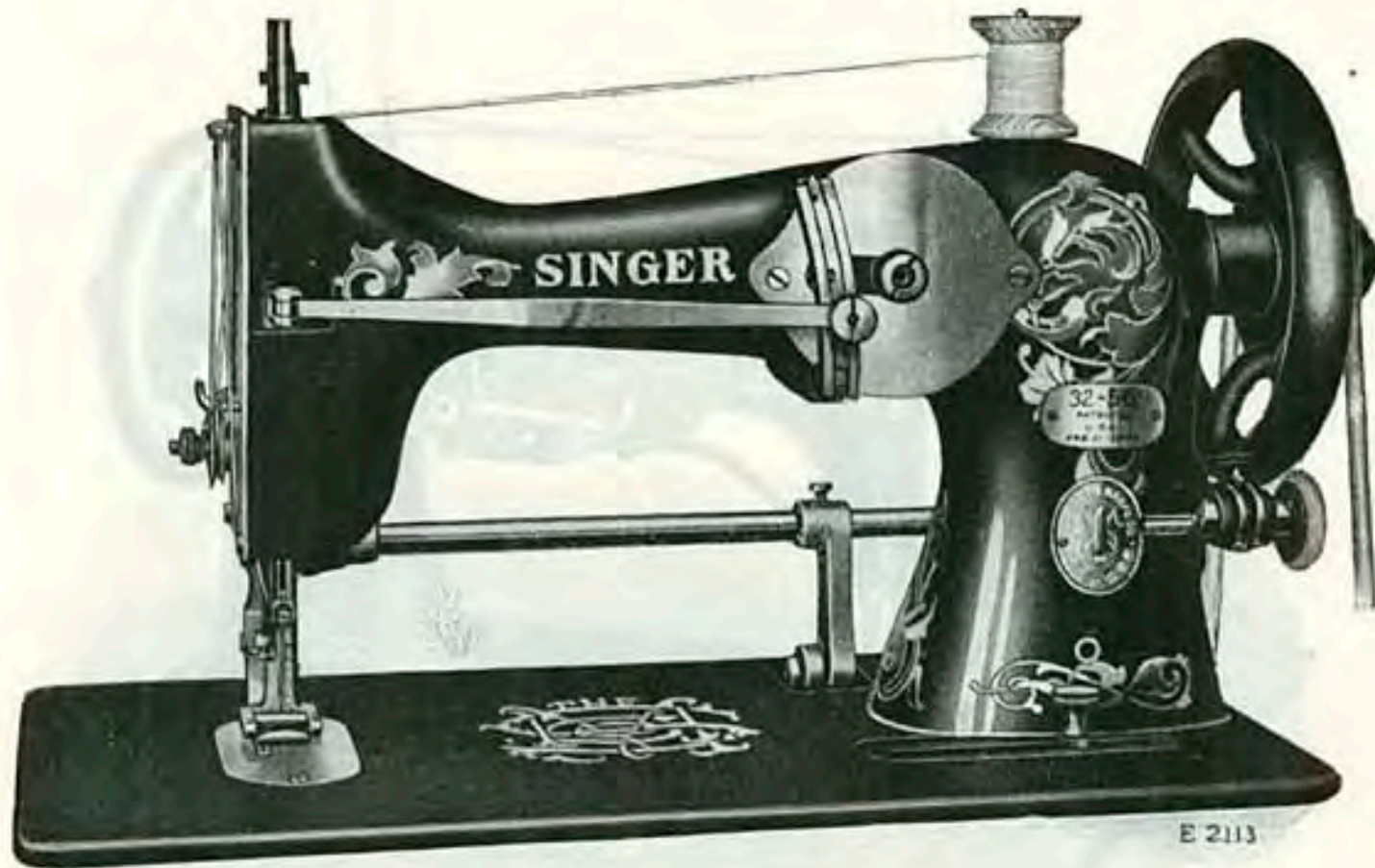


MACHINE No. 32-48

NO.	DESCRIPTION	PRICE
32-48	FOR SERGING CARPETS. Has shuttle No. 15729, special guide and upper wheel feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 800. Cipher, EHLAS. See Form 9030. Weight in lbs., 43 net, 62 gross. Cubic meas., 1 ft. 10 in.	
32-49	FOR OVERSEAMING OR ZIGZAG STITCHING IN FELT PADS OR OTHER THICK FABRICS. Has shuttle No. 15980, tension releaser, guide, knee lifter, upper and lower feed and alternating pressers. Balance wheel No. 7706. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 800. Cipher, EHLET. Weight in lbs., 42 net, 65 gross. Cubic meas., 2 ft. 3 in.	
32-54	FOR OVERSEAMING. Needle throw up to $\frac{5}{16}$ inch; needle vibrates both sides of centre line. Shuttle No. 15980, drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1200. Cipher, EHMAT. Weight in lbs., 38 net, 58 gross. Cubic meas., 1 ft. 10 in.	



MACHINES OF CLASS 32

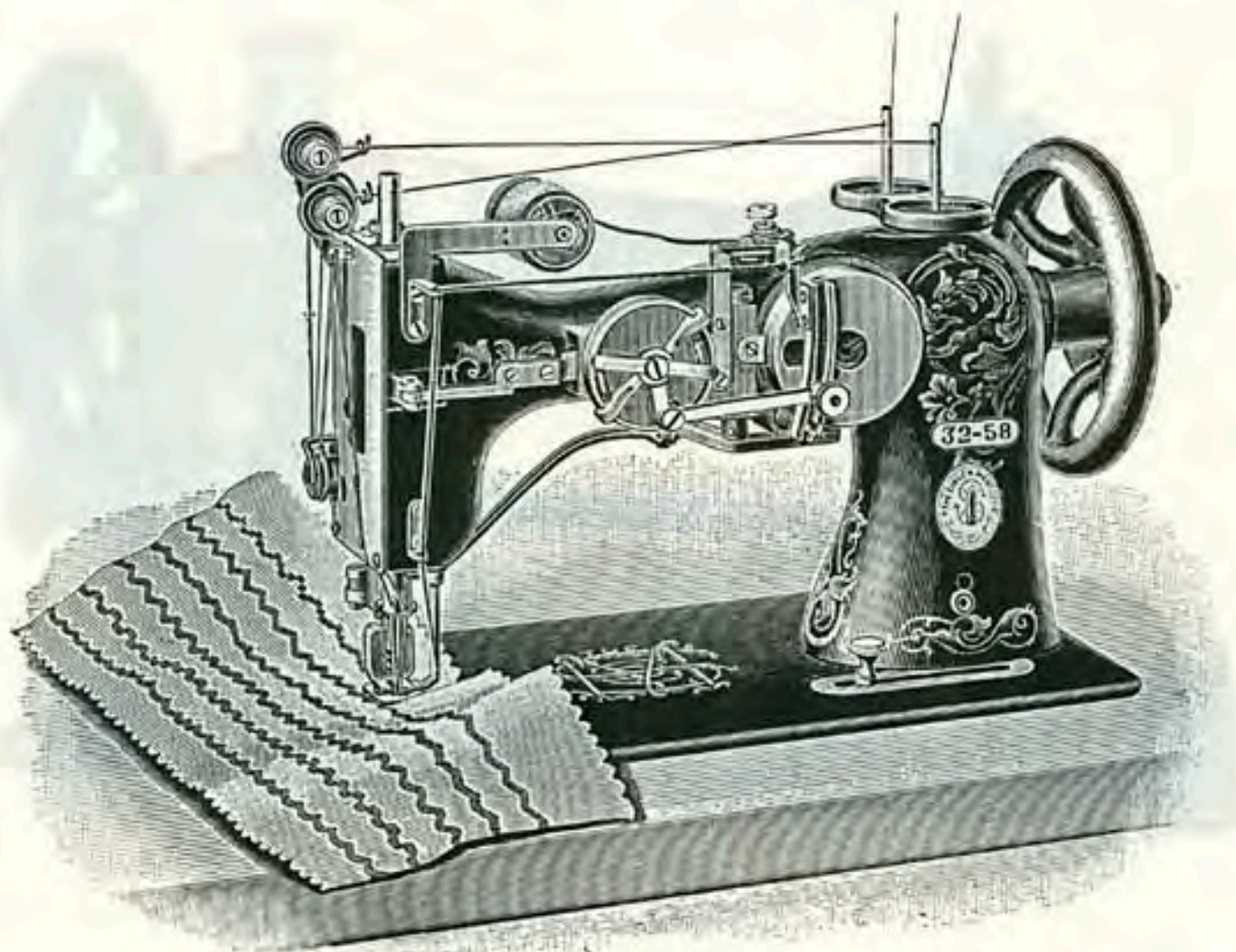


MACHINE No. 32-56

NO.	DESCRIPTION	PRICE
32-56	<p>FOR WINDOW SHADES. Overseam stitch. Has shuttle No. 15980, reciprocating slide under presser foot, knee lifter and tension releaser; drop feed. Balance wheel No. 7370. Diameter of belt groove <math>2\frac{3}{4}</math> inches.....</p> <p>Speed 1200. Cipher, EHMEV. See Form 9028.</p> <p>Weight in lbs., 45 net, 64 gross. Cubic meas., 1 ft. 10 in.</p>	
32-57	<p>FOR ORNAMENTING NECKWEAR, SHIRT WAISTS, INFANTS' CAPS, ETC. Makes stitch similar to No. 27. Has shuttle No. 15729, guides for uniting straight or curved edges, showing ornamental stitch between, also plain throat plate for surface decoration; drop feed. Balance wheel No. 7370. Diameter of belt groove <math>2\frac{3}{4}</math> inches</p> <p>Speed 1000. Cipher, EHMOX.</p> <p>Weight in lbs., 39 net, 58 gross. Cubic meas., 1 ft. 10 in.</p>	



## MACHINES OF CLASS 32

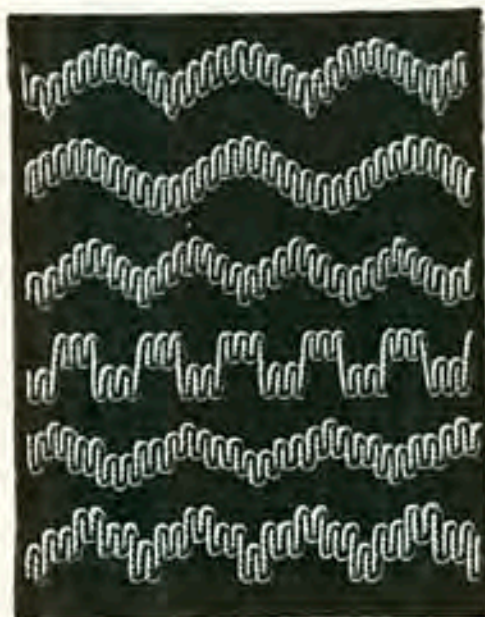


MACHINE No. 32-58

NO	DESCRIPTION	PRICE
<b>32-58</b>	<p>FOR MAKING ORNAMENTAL STITCHES Nos. 29, 30, 31, 32, 33 and 34 (see illustration below). Has two needles, one shuttle No. 15729 and oscillating guide for floss or silk, which is fastened to the fabric, first by one needle thread, then by the other and the finished pattern is in straight lines, scallops or zigzags. Balance wheel No. 7370. Diameter of belt groove <math>2\frac{3}{4}</math> inches. The price includes two cams only, for stitches Nos. 29 and 31, unless others are specified. Cams for the other stitches will be furnished, if ordered, at a charge of _____ net, for each cam.....</p> <p>Speed 1000. Cipher, EHMUZ.</p> <p>Weight in lbs., 39 net, 58 gross. Cubic meas., 1 ft. 10 in.</p>	

Ornamental Stitch No. 29

- " " " 30
- " " " 31
- " " " 32
- " " " 33
- " " " 34





## MACHINES OF CLASS 32

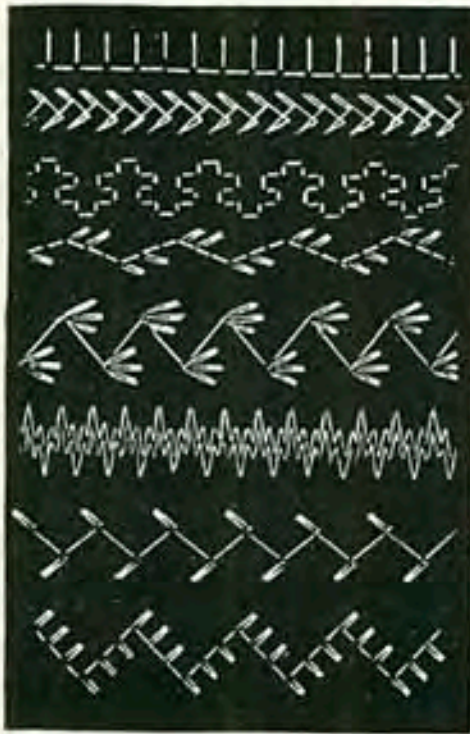
NO.	DESCRIPTION	PRICE
32-59	<p>FOR HEEL SEAMS OF SHOES. Can be instantly changed by foot pressure from zigzag to straight stitching. Has shuttle No. 15729, tension releaser and drop feed. Balance wheel No. 7370. Diameter of belt groove <math>2\frac{3}{4}</math> inches.....</p> <p>Speed 1200. Cipher, EHNAV.</p> <p>Weight in lbs., 41 net, 60 gross. Cubic meas., 1 ft. 10 in.</p>	
32-61	<p>FOR CORDING AND OVEREDGING FABRICS OR LEATHER. Makes ornamental stitch No. 11 and lays a cord under the edge. Shuttle No. 14948, drop feed. Balance wheel No. 7370. Diameter of belt groove <math>2\frac{3}{4}</math> inches.....</p> <p>Speed 1000. Cipher, EHNIX.</p> <p>Weight in lbs., 43 net, 61 gross. Cubic meas., 1 ft. 10 in.</p>	
32-62	<p>FOR EDGES OF HAT SWEATS. Has <math>\frac{1}{8}</math> inch needle throw, needle vibrates to the left of line. Makes ornamental stitch No. 11 and has attachment for folding and guiding a bias sateen strip, at the same time inserting reed, or a copper wire, and stitching all to the hat sweat; has also guide for bias strip with wire, prepared for stitching on; shuttle No. 15729 and drop feed. Balance wheel No. 7370. Diameter of belt groove <math>2\frac{3}{4}</math> inches.....</p> <p>Speed 1000. Cipher, EHNOZ.</p> <p>Weight in lbs., 44 net, 63 gross. Cubic meas., 1 ft. 10 in.</p>	



**MACHINES OF CLASS 32  
FOR ORNAMENTAL STITCHING**

Balance wheel No. 7370. Diameter of belt groove  $2\frac{3}{4}$  inches. Speed 1000.  
See Form 9026.

NO.	CIPHER	PRICE
32-11 FOR STITCH No. 11	EHCUN.....	
32-15 " " " 15	EHDON.....	
32-18 " " " 18	EHFEM.....	
32-21 " " " 21	EHGAN.....	
32-30 " " " 24	EHHOS.....	
32-31 " " " 25	EHHUT.....	
32-47 " " " 27	EHKYX.....	
32-52 " " " 28	EHLOW.....	



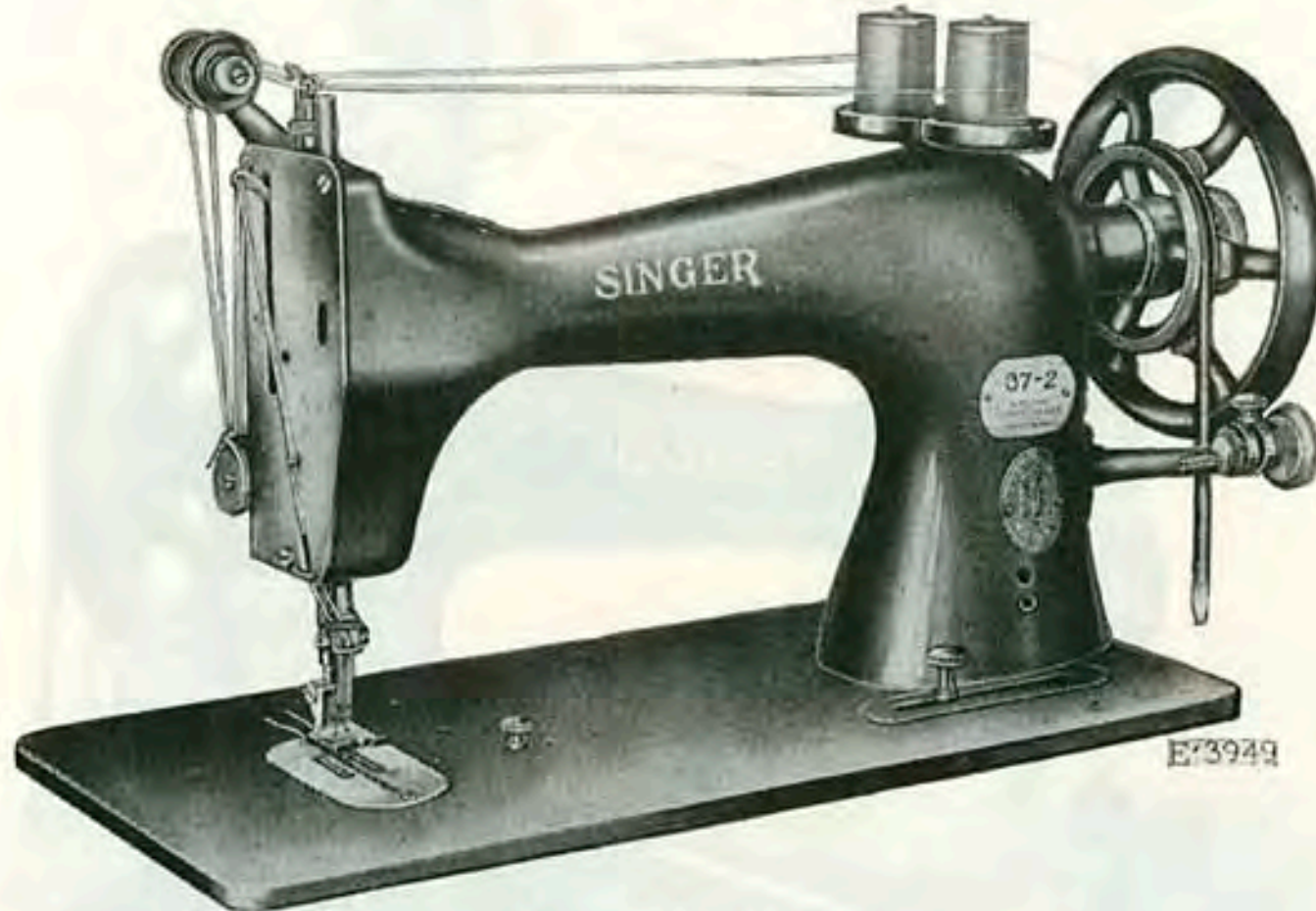
**Shuttles, Weights and Cubic Measurements for the above Machines.**

32-11	Shuttle No. 15729.	Weight in lbs., 44 net, 63 gross.	Cubic meas., 1 ft.10 in.
32-15	" " 15729.	" " " 40 " 59	" " " 1 " 10 "
32-18	" " 15729.	" " " 39 " 58	" " " 1 " 10 "
32-21	" " 15729.	" " " 41 " 60	" " " 1 " 10 "
32-30	" " 15729.	" " " 40 " 59	" " " 1 " 10 "
32-31	" " 15729.	" " " 40 " 59	" " " 1 " 10 "
32-47	" " 15729.	" " " 40 " 59	" " " 1 " 10 "
32-52	" " 15729.	" " " 43 " 62	" " " 1 " 10 "



## MACHINES OF CLASS 37

Bed  $15\frac{3}{4}$  inches long;  $7\frac{1}{2}$  inches clear space at right of needle. Central bobbin.  
Vertical shuttle. Bobbin No. 2996.



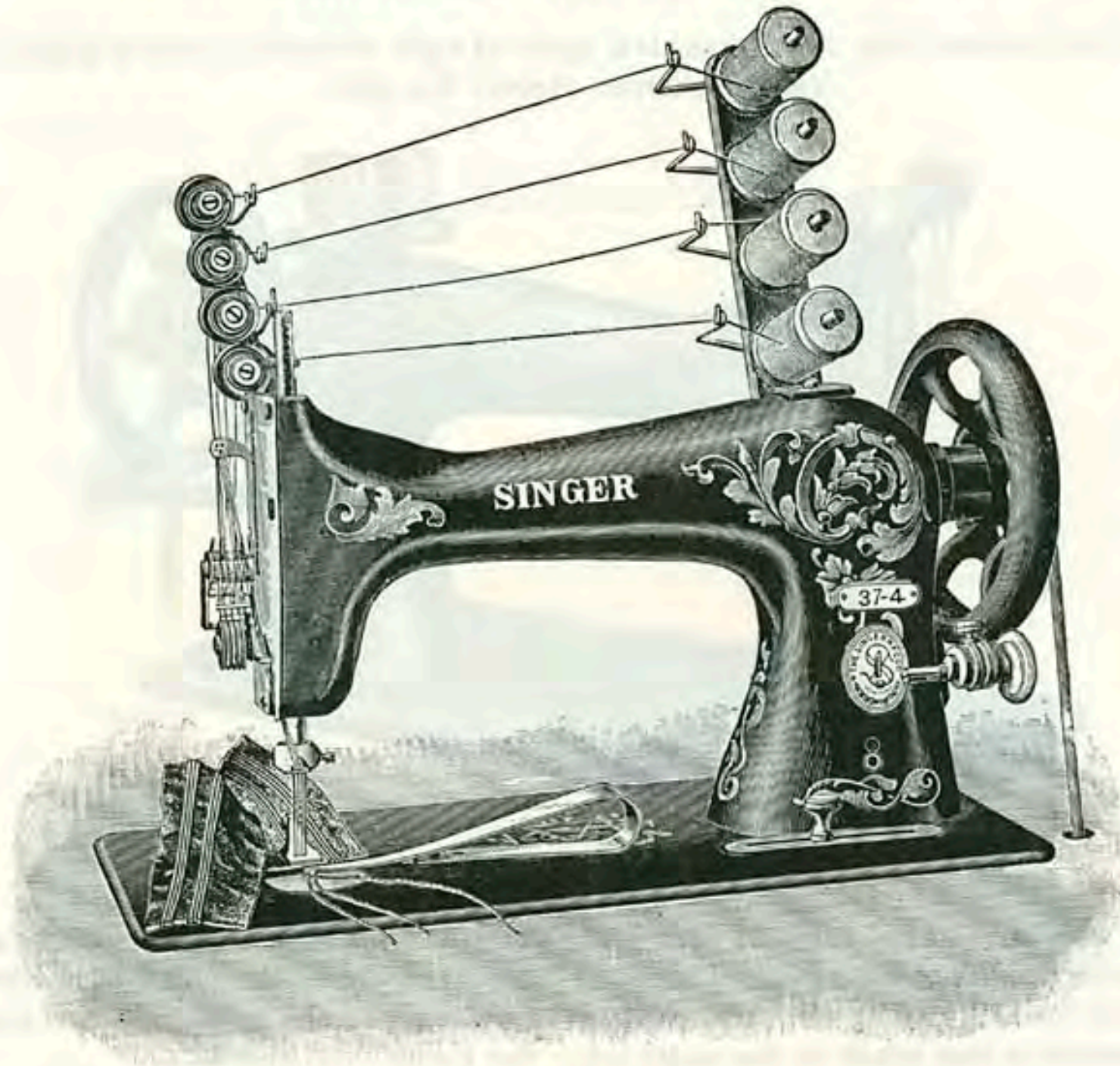
MACHINE No. 37-2

The machines of Class 37 have but one shuttle but each is fitted with two or more needles as described. The needle threads are interlocked by the shuttle thread forming two or more straight lines of stitching on the upper side, and an overseam or stay stitch on the under side. See Forms 9035 and 9036.

NO.	DESCRIPTION	PRICE
37-2	FOR STAYING OR CORDING. Two needles, shuttle No. 15729, $\frac{1}{16}$ to $\frac{1}{4}$ inch gauge. Drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1200. Cipher, EHRUD. Weight in lbs., 40 net, 58 gross. Cubic meas., 1 ft. 10 in.	
37-3	FOR HAT SWEATS. Shuttle No. 14890, two needles, diagonal stitch. Has attachment for folding and sewing bias strips with inserted reed upon the edges of sweats in one operation. Upper feed. Balance wheel No. 7706. Diameter of belt groove $2\frac{1}{8}$ inches. Speed 1200. Cipher, EHSEB. Weight in lbs., 40 net, 58 gross. Cubic meas., 1 ft. 10 in.	



MACHINES OF CLASS 37



MACHINE No. 37-4

NO.	DESCRIPTION	PRICE
37-4	FOR CORDING AND PLAIN STITCHING. Shuttle No. 14948, four needles, knee lifter, drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1200. Cipher, EHSIC. Weight in lbs., 40 net, 58 gross. Cubic meas., 1 ft. 10 in.	
37-6	FOR IMITATION CORDING. Shuttle No. 14948, four needles, knee lifter, drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1200. Cipher, EHTAB. Weight in lbs., 40 net, 58 gross. Cubic meas., 1 ft. 10 in.	
37-8	FOR ORNAMENTING GLOVE BACKS. Shuttle No. 15729, two needles, drop feed. Balance wheel No. 7370. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Speed 1200. Cipher, EHTEC. Weight in lbs., 36 net, 55 gross. Cubic meas., 1 ft. 10 in.	
37-10	FOR HAT SWEATS, differs from Machine No. 37-3 only in making the diagonal stitch reversed. . . . . Speed 1200. Cipher, EHTUF. Weight in lbs., 39 net, 62 gross. Cubic meas., 2 ft. 3 in.	



## MACHINES OF CLASS 41

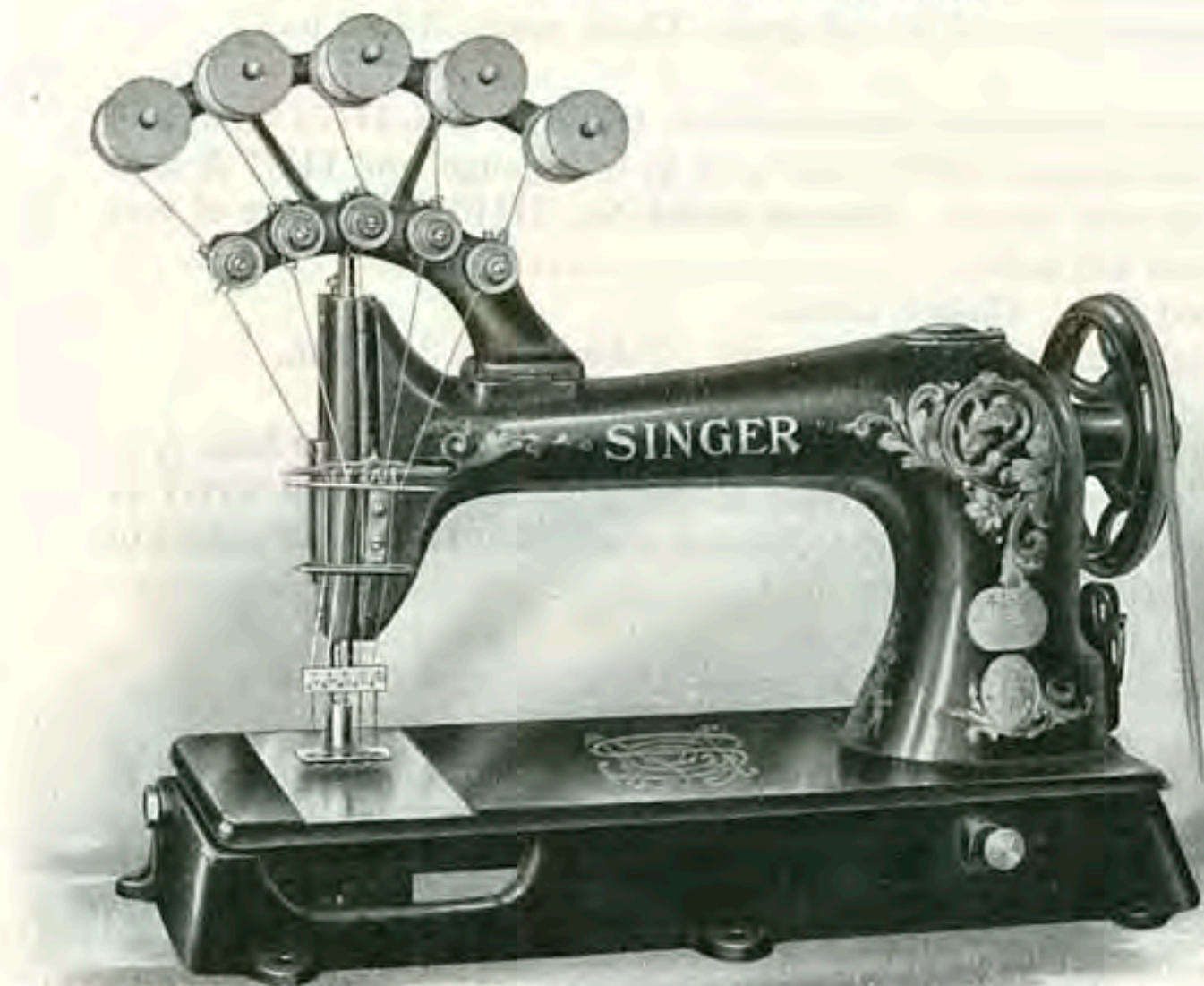
Base  $18\frac{3}{4}$  inches long;  $10\frac{1}{2}$  inches clear space at right of centre of needle bar.

Multiple needle. For simultaneously making a number of parallel rows of stitching. Greatest distance between the two outside needles in

Machine No. 41-5,  $1\frac{3}{4}$  inches; in all others  $2\frac{1}{2}$  inches.

Least distance between needles  $\frac{3}{16}$  inch.

Shuttles for ready wound cops only.



MACHINE NO. 41-5

In corset, skirt, cloak and suit manufacture, Singer machines of Class 41 are used for a wide variety of purposes. A popular form of ornamenting garments of this character is with rows of parallel stitching so that the thread will contrast sharply with the material. In many cases, however, the stitch is of the same color as the fabric. This form of adornment is largely used in the manufacture of cloaks, jackets, suits and rainy-day skirts, and one of the features that strongly recommend it to the manufacturer is the fact that it is adapted to so many uses. The old method of producing these parallel rows of stitching was with the single needle machine and the results were rarely satisfactory, as despite the skill of the operator and the careful manner in which the lines to be followed were marked on the fabric, the work was irregular and inaccurate, greatly detracting from the effectiveness of the design. With machines of Class 41, however, the needles are set to the exact gauge and the operator has no more trouble in making three, four or five parallel rows than in stitching a simple hem. See Form 9037.

NO.	DESCRIPTION	PRICE
41-5	FIVE NEEDLES, five shuttles. (Shuttles Nos. 11179 from $\frac{3}{16}$ to $\frac{15}{64}$ inch gauge; 11178 from $\frac{1}{4}$ to $\frac{17}{64}$ inch gauge, and 11177 $\frac{9}{32}$ inch gauge and above). Balance wheel No. 11110. Diameter of belt groove $2\frac{13}{16}$ inches..... Speed 1100. Cipher, EJBAJ. Weight in lbs., 67 net, 97 gross. Cubic meas., 3 ft. 4 in.	



## MACHINES OF CLASS 41

NO.	DESCRIPTION	PRICE
41-6	SIX NEEDLES, six shuttles. (Shuttles Nos. 11179 from $\frac{3}{16}$ to $\frac{15}{64}$ inch gauge; 11178 from $\frac{1}{4}$ to $\frac{17}{64}$ inch gauge, and 11177 $\frac{9}{32}$ inch gauge and above). Balance wheel No. 11110. Diameter of belt groove $2\frac{13}{16}$ inches. . . . . Speed 1050. Ciper, EJBK. Weight in lbs., 66 net, 96 gross. Cubic meas., 3 ft. 3 in.	
41-7	SEVEN NEEDLES, seven shuttles. (Shuttles Nos. 11179 from $\frac{3}{16}$ to $\frac{15}{64}$ inch gauge; 11178 from $\frac{1}{4}$ to $\frac{17}{64}$ inch gauge, and 11177 $\frac{9}{32}$ inch gauge and above). Balance wheel No. 11110. Diameter of belt groove $2\frac{13}{16}$ inches. . . . . Speed 1000. Ciper, EJBIL. Weight in lbs., 65 net, 95 gross. Cubic meas., 3 ft. 4 in.	
41-8	EIGHT NEEDLES, eight shuttles. (Shuttles Nos. 11179 from $\frac{3}{16}$ to $\frac{15}{64}$ inch gauge; 11178 from $\frac{1}{4}$ to $\frac{17}{64}$ inch gauge, and 11177 $\frac{9}{32}$ inch gauge and above). Balance wheel No. 11110. Diameter of belt groove $2\frac{13}{16}$ inches. . . . . Speed 950. Ciper, EJBOM. Weight in lbs., 67 net, 97 gross. Cubic meas., 3 ft. 3 in.	
41-10	TEN NEEDLES, ten shuttles. (Shuttles Nos. 11179 from $\frac{3}{16}$ to $\frac{15}{64}$ inch gauge; 11178 from $\frac{1}{4}$ to $\frac{17}{64}$ inch gauge, and 11177 $\frac{9}{32}$ inch gauge and above). Balance wheel No. 11110. Diameter of belt groove $2\frac{13}{16}$ inches. . . . . Speed 850. Ciper, EJCAK. Weight in lbs., 68 net, 98 gross. Cubic meas., 3 ft. 3 in.	
41-12	TWELVE NEEDLES, twelve shuttles. (Shuttles Nos. 11179 from $\frac{3}{16}$ to $\frac{15}{64}$ inch gauge; 11178 from $\frac{1}{4}$ to $\frac{17}{64}$ inch gauge, and 11177 $\frac{9}{32}$ inch gauge and above). Balance wheel No. 11110. Diameter of belt groove $2\frac{13}{16}$ inches. . . . . Speed 750. Ciper, EJCIM. Weight in lbs., 69 net, 98 gross. Cubic meas., 3 ft. 3 in.	



## MACHINES OF CLASS 42

Bed 19 inches long; 10½ inches clear space at right of needle. Large shuttle for coarse thread and heavy work. Knee lifter.



MACHINE No. 42-1

The Central Bobbin machines of Class 42 are intended more especially for use by foot power on stand. See Form 9038.

NO.	DESCRIPTION	PRICE
42-1	FOR LEATHER. C. B., cam on needle bar, drop feed at left of needle, roller presser, shuttle No. 5783, bobbin No. 5810. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches. Speed 400. Cipher, EJHAP. Weight in lbs., 56 net, 82 gross. Cubic meas., 2 ft. 7 in.	
42-2	FOR CLOTH. C. B., link needle bar connection, drop feed both sides of needle, hinged presser foot, shuttle No. 5783, bobbin No. 5810. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 to 5 inches..... Speed 400. Cipher, EJHER. Weight in lbs., 56 net, 82 gross. Cubic meas., 2 ft. 7 in.	
42-4	FOR LEATHER. Long beak cylinder shuttle, link needle bar connection, drop feed at left of needle, roller presser, shuttle No. 8189, bobbin No. 14535. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches..... Speed 1000. Cipher, EJHOT. Weight in lbs., 56 net, 82 gross. Cubic meas., 2 ft. 7 in.	



## MACHINES OF CLASS 42



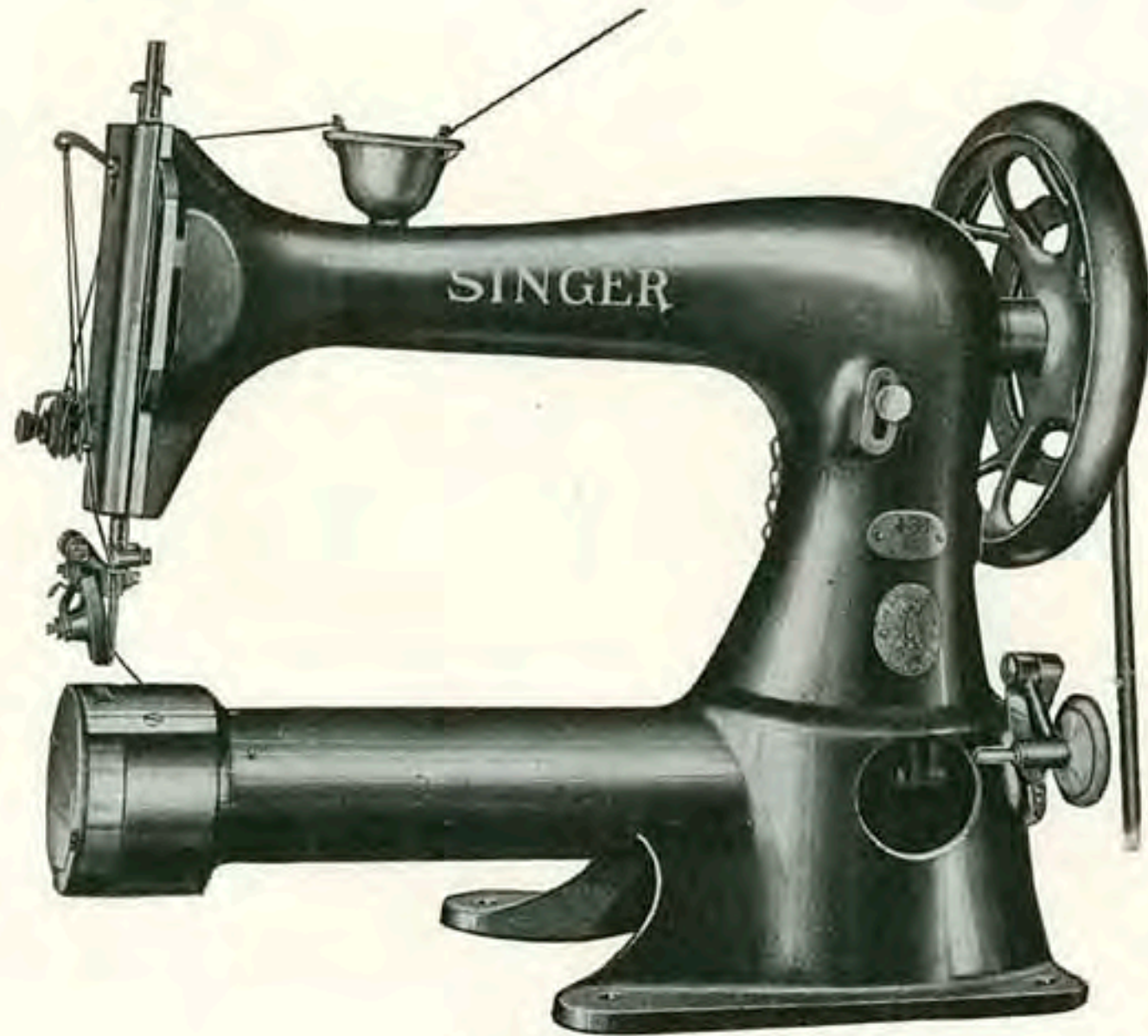
MACHINE No. 42-5

NO.	DESCRIPTION	PRICE
42-5	CYLINDER SHUTTLE No. 8189, drop feed, alternating pressers, bobbin No. 14535. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches. . . . . Speed 1000. Cipher, E J H U V. Weight in lbs., 56 net, 85 gross. Cubic meas., 2 ft. 7 in.	
42-7	DROP FEED, cylinder shuttle No. 8189, vibrating presser, bobbin No. 14535. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches. . . . . Speed 1000. Cipher, E J K E T. Weight in lbs., 56 net, 82 gross. Cubic meas., 2 ft. 7 in.	
42-8	FOR AWNINGS, SAILS, TARPAULINS, TRUNK COVERS, ETC. Central bobbin, drop feed, alternating pressers, shuttle No. 5783, bobbin No. 5810. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches. . . . . Speed 400. Cipher, E J K I V. Weight in lbs., 58 net, 85 gross. Cubic meas., 2 ft. 7 in.	



## MACHINES OF CLASS 43

Cylinder bed. Balance wheel at right hand; 10½ inches clear space at right of needle. Large shuttle for coarse thread. Knee lifter.  
Cylinder 3¾ inches diameter at end.



MACHINE No. 43-1

The Central Bobbin machines of Class 43 are intended more especially for use by foot power on stand. See Form 9039.

NO.	DESCRIPTION	PRICE
43-1	FOR LEATHER. C. B., cam on needle bar, drop feed at left of needle, roller presser, shuttle No. 5783, bobbin No. 5810. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches. Speed 400. Cipher, EJLOX. Weight in lbs., 57 net, 80 gross. Cubic meas., 2 ft. 10 in.	
43-4	FOR LEATHER. Long beak cylinder shuttle No. 8189, link needle bar connection, drop feed at left of needle, roller presser, bobbin No. 14535. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches..... Speed 1000. Cipher, EJMEW. Weight in lbs., 56 net, 80 gross. Cubic meas., 2 ft. 10 in.	
43-5	FOR CLOTH OR LEATHER. Long beak cylinder shuttle No. 8189, drop feed at left of needle, alternating pressers, bobbin No. 14535. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches..... Speed 400. Cipher, EJMIX. Weight in lbs., 56 net, 80 gross. Cubic meas., 2 ft. 10 in.	



## MACHINES OF CLASS 44

Bed  $15\frac{11}{16}$  inches long;  $7\frac{3}{8}$  inches clear space at right of needle. Central bobbin.  
Link take-up. Knee lifter.



MACHINE No. 44-7

These machines are very rigid and free from vibration at high speed. They are favorites for manufacturing in almost every variety of light and medium weight fabrics and leather. They have all the good qualities of the machines of Class 31 but are three inches shorter.

NO.	DESCRIPTION	PRICE
<b>44-3</b>	FOR COLLAR AND CUFF WORK. Drop feed, shuttle No. 19292, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove $2\frac{3}{16}$ inches..... Speed 2200. Cipher, EJPOC. Weight in lbs., 48 net, 70 gross. Cubic meas., 2 ft. 0 in.	
<b>44-4</b>	FOR LEATHER. Has vertical trimmer, drop feed, shuttle No. 19292, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove $2\frac{3}{16}$ inches..... Speed 1800. Cipher, EJPUD. See Form 9150. Weight in lbs., 48 net, 69 gross. Cubic meas., 2 ft. 0 in. See also Machine No. 31-36.	
<b>44-7</b>	FOR SHOES. Has vertical trimmer that can be instantly adjusted for the scallops and tops of shoes. Drop feed, shuttle No. 19292, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove $2\frac{3}{16}$ inches..... Speed 1800. Cipher, EJROD. See Form 9151. Weight in lbs., 49 net, 71 gross. Cubic meas., 2 ft. 0 in.	



## MACHINES OF CLASS 44



MACHINE No. 44-8

NO.	DESCRIPTION	PRICE
44-8	<p>FOR LIGHT OR HEAVY CLOTH. Has vertical trimmer that trims from <math>\frac{1}{16}</math> to <math>\frac{1}{4}</math> inch from the seam; drop feed, shuttle No. 19292, bobbin No. 2996. Machines are fitted with <math>\frac{1}{8}</math> inch cutting bar unless otherwise ordered, and an extra <math>\frac{3}{16}</math> inch cutting bar and presser foot are also furnished. When a different width is ordered the extra cutting bar will be one size larger except when <math>\frac{1}{4}</math> inch is required. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....</p> <p>Speed 1800. Cipher, EJSAB. See Form 9152.</p> <p>Weight in lbs., 54 net, 84 gross. Cubic meas., 2 ft. 10 in.</p> <p>See also Machine No. 31-35.</p>	

NOTE. Knife grinder No. 27661 is necessary. This can be used for several machines and must be ordered separately on Form 430.



MACHINES OF CLASS 44



MACHINE No. 44-9

NO.	DESCRIPTION	PRICE
44-9	<p>FOR CLOTH OR LEATHER. Useful for work of unequal thickness, and for binding with binders of different widths. Drop feed, alternating pressers, shuttle No. 24890, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....                      Speed 1600. Cipher, EJSEC. See Form 9153.                      Weight in lbs., 48 net, 70 gross. Cubic meas., 2 ft. 0 in.                      See also Machine No. 31-19.</p>	
44-10	<p>FOR LEATHER. Drop feed, roller presser, shuttle No. 19292, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....                      Speed 2000. Cipher, EJSID. See Form 9154.                      Weight in lbs., 49 net, 69 gross. Cubic meas., 2 ft. 0 in.</p>	
44-13	<p>FOR CLOTH. Throat plate flush with bed; drop feed, shuttle No. 20758, bobbin No. 19131. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....                      Speed 2200. Cipher, EJTED. See Form 9155.                      Weight in lbs., 48 net, 70 gross. Cubic meas., 2 ft. 0 in.</p>	



MACHINES OF CLASS 44



MACHINE No. 44-14

NO.	DESCRIPTION	PRICE
44-14	FOR SHOES, ETC. Has horizontal under trimmer, drop feed, shuttle No. 19292, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 1600. Cipher, EJTOF. See Form 9156. Weight in lbs., 48 net, 69 gross. Cubic meas., 2 ft. 0 in.	
44-15	Differs from Machine No. 44-14 only in having wheel feed . . . . Speed 1600. Cipher, EJTUG. Weight in lbs., 50 net, 70 gross. Cubic meas., 2 ft 1 in.	
44-17	FOR COLLARS AND CUFFS. Throat plate flush with bed; drop feed, shuttle No. 20758, bobbin No. 19131. Balance wheel No. 24296. Diameter of belt groove $2\frac{3}{16}$ inches . . . . . Speed 2200. Cipher, EJZOK. Weight in lbs., 49 net, 70 gross. Cubic meas., 2 ft. 0 in.	



## MACHINES OF CLASS 44



MACHINE NO. 44-18

NO.	DESCRIPTION	PRICE
44-18	FOR SIMULTANEOUSLY STITCHING THE EDGES AND UNDER-TRIMMING THE LININGS OF SHOES, ETC. Has oblique underedge trimmer and guide on machine bed, drop feed, shuttle No. 19292, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove $2\frac{3}{16}$ inches . . . . . Speed 1600. Cipher, EKBAK. See Form 9158. Weight in lbs., 48 net, 69 gross. Cubic meas., 2 ft. 0 in.	
44-19	Differs from Machine No. 44-18 only in having wheel feed . . . Speed 1600. Cipher, EKBEL. Weight in lbs., 48 net, 71 gross. Cubic meas., 2 ft. 0 in.	
<p style="text-align: center;">NOTE. Machines Nos. 44-18 and 44-19 differ from Nos. 44-26 and 44-27 in having the adjustable edge guide fitted upon the machine bed instead of being suspended from the arm. The knife disengaging device is operated by the knee lifter or the presser bar lifter.</p>		
44-20	FOR LIGHT WORK ONLY, WITH SHORT STITCH, IN CLOTH. Drop feed, shuttle No. 24059, bobbin No. 24051. Balance wheel No. 24328. Diameter of belt groove $2\frac{1}{4}$ inches . . . . . Speed 2800. Cipher, EKBIM. See Form 9104. Weight in lbs., 47 net, 68 gross. Cubic meas., 2 ft. 0 in.	
44-22	FOR RUFFLING AND STITCHING THICK OR THIN FABRICS, APRONS, DRESSES, INFANTS' GARMENTS, SKIRTS, ETC. One needle, positive ruffling mechanism, drop feed, shuttle No. 20655, bobbin No. 19131. Balance wheel No. 24296. Diameter of belt groove $2\frac{3}{16}$ inches . . . . . Speed 2000. Cipher, EKBON. Weight in lbs., 48 net, 70 gross. Cubic meas., 2 ft. 0 in. See also Machines Nos. 31-27, 31-60 and 44-60.	
44-25	FOR LEATHER. Has vertical trimmer, wheel feed, shuttle No. 19292, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove $2\frac{3}{16}$ inches . . . . . Speed 1800. Cipher, EKCAL. See Form 9150. Weight in lbs., 50 net, 70 gross. Cubic meas., 2 ft. 1 in. See also Machine No. 31-38.	



## MACHINES OF CLASS 44



MACHINE No. 44-26

NO.	DESCRIPTION	PRICE
<b>44-26</b>	<p>FOR SIMULTANEOUSLY STITCHING THE EDGES AND UNDER-TRIMMING THE LININGS OF SHOES, SANDAL SLIPPERS, ETC. Has oblique underedge trimmer and suspended protecting guide for the upper edge, also knife disengaging device operated by the knee or presser bar lifter; drop feed, shuttle No. 19292, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . Speed 1600. Cipher, EKCEM. See Form 9161. Weight in lbs., 49 net, 71 gross. Cubic meas., 2 ft. 0 in. See also Machines Nos. 31-40 and 31-41.</p> <p style="font-size: small; margin-top: 10px;">NOTE. Orders for Machines Nos. 44-26 and 44-27 should state whether they are for men's or women's shoes or for sandal slippers. See also Nos. 44-18 and 44-19 Machines.</p>	
<b>44-27</b>	<p>Differs from Machine No. 44-26 only in having wheel feed . . . . Speed 1600. Cipher, EKCIN. Weight in lbs., 50 net, 70 gross. Cubic meas., 2 ft. 1 in.</p>	
<b>44-29</b>	<p>FOR COLLARS AND CUFFS. Drop feed, shuttle No. 24059, bobbin No. 24051. Balance wheel No. 24328. Diameter of belt groove <math>2\frac{1}{4}</math> inches. . . . . Speed 2800. Cipher, EKCYR. See Form 9162. Weight in lbs., 47 net, 68 gross. Cubic meas., 2 ft. 0 in.</p>	
<b>44-30</b>	<p>FOR LIGHT WORK IN LEATHER. Drop feed, shuttle No. 24059, bobbin No. 24051. Balance wheel No. 24328. Diameter of belt groove <math>2\frac{1}{4}</math> inches. . . . . Speed 2500. Cipher, EKDAM. See Form 9163. Weight in lbs., 47 net, 68 gross. Cubic meas., 2 ft. 0 in.</p>	



MACHINES OF CLASS 44

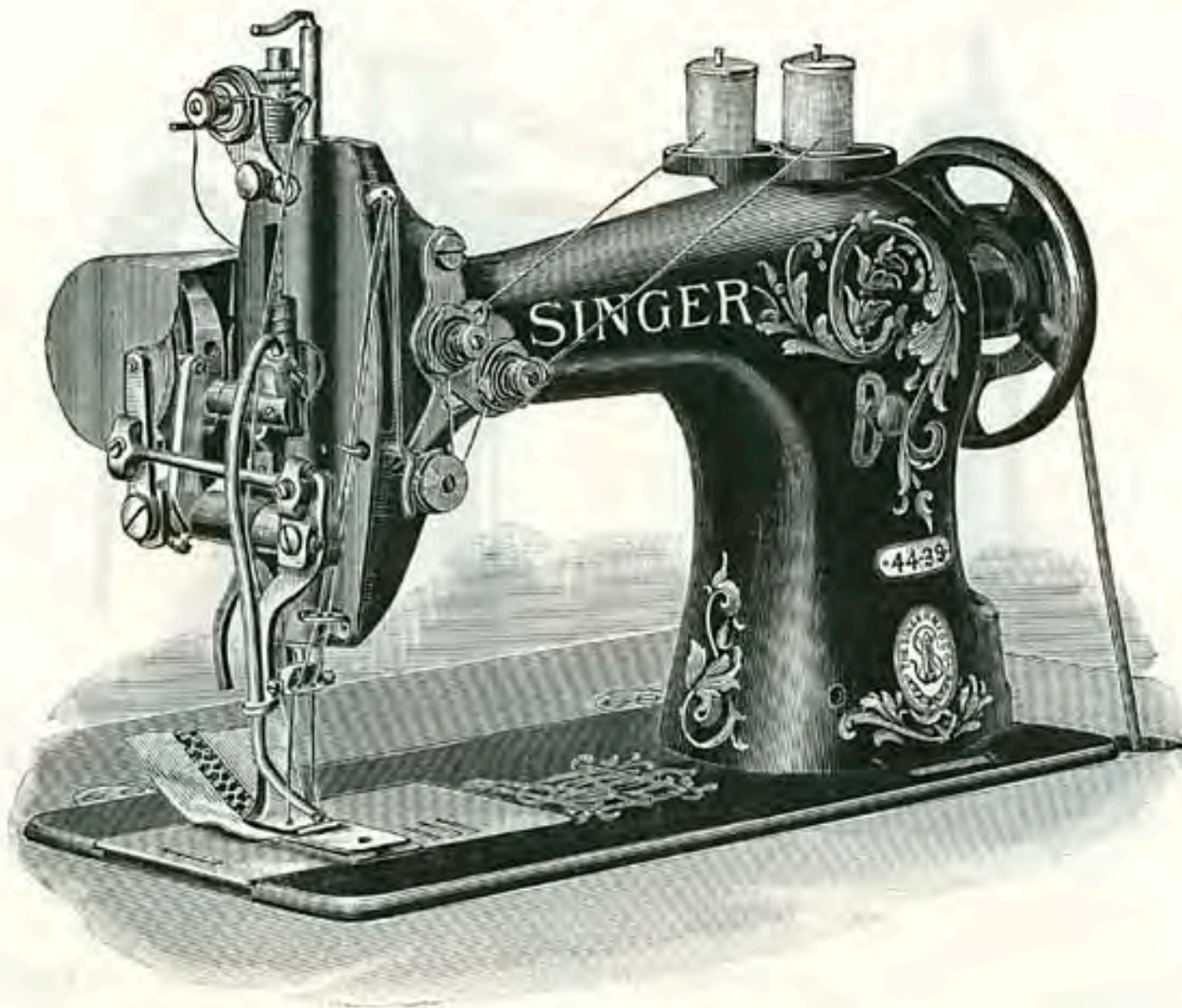


MACHINE No. 44-34

NO.	DESCRIPTION	PRICE
44-34	<p>FOR VAMPING AND STAYING SHOES. Two needles, two shuttles; <math>\frac{1}{32}</math> to <math>\frac{3}{16}</math> inch gauge for vamping and <math>\frac{3}{32}</math> to <math>\frac{1}{4}</math> inch gauge for staying. (Shuttles Nos. 19324 and 19326 for <math>\frac{1}{32}</math> to <math>\frac{1}{8}</math> inch gauge, 19324 and 19325 for <math>\frac{7}{32}</math> to <math>\frac{1}{4}</math> inch gauge). Throat plate flush with bed; drop feed, bobbin No. 19131. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 1800. Cipher, EKDOP. See Form 9165.                      Weight in lbs., 55 net, 84 gross. Cubic meas., 2 ft. 10 in.</p>	
44-35	<p>FOR HEAVY WORK IN CLOTH. Two needles, two shuttles; gauges from <math>\frac{1}{32}</math> to <math>1\frac{1}{4}</math> inches. (Shuttles Nos. 19324 and 19326 for <math>\frac{1}{32}</math> to <math>\frac{1}{8}</math> inch gauge, 19324 and 19325 for <math>\frac{7}{32}</math> to <math>1\frac{1}{4}</math> inches gauge). High raise, drop feed, bobbin No. 19131. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches . . . . .                      Speed 2000. Cipher, EKDUR. See Form 9166.                      Weight in lbs., 56 net, 84 gross. Cubic meas., 2 ft. 10 in.</p>	
44-37	<p>FOR SHIRTS, LINENS AND MUSLINS. Two needles, two shuttles; gauges from <math>\frac{1}{32}</math> to <math>1\frac{1}{4}</math> inches. (Shuttles Nos. 19324 and 19326 for <math>\frac{1}{32}</math> to <math>\frac{1}{8}</math> inch gauge, 19324 and 19325 for <math>\frac{7}{32}</math> to <math>1\frac{1}{4}</math> inches gauge). Throat plate flush with bed; drop feed, bobbin No. 19131. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches . . . . .                      Speed 2000. Cipher, EKFan. See Form 9166.                      Weight in lbs., 54 net, 91 gross. Cubic meas., 2 ft. 10 in.</p>	
44-38	<p>FOR VAMPING SHOES. Two needles, two shuttles Nos. 19324 and 19326; gauges from <math>\frac{1}{32}</math> to <math>\frac{5}{64}</math> inch. Wheel feed, bobbin No. 19131. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 1800. Cipher, EKFiP.                      Weight in lbs., 55 net, 83 gross. Cubic meas., 3 ft. 2 in.</p>	



MACHINES OF CLASS 44



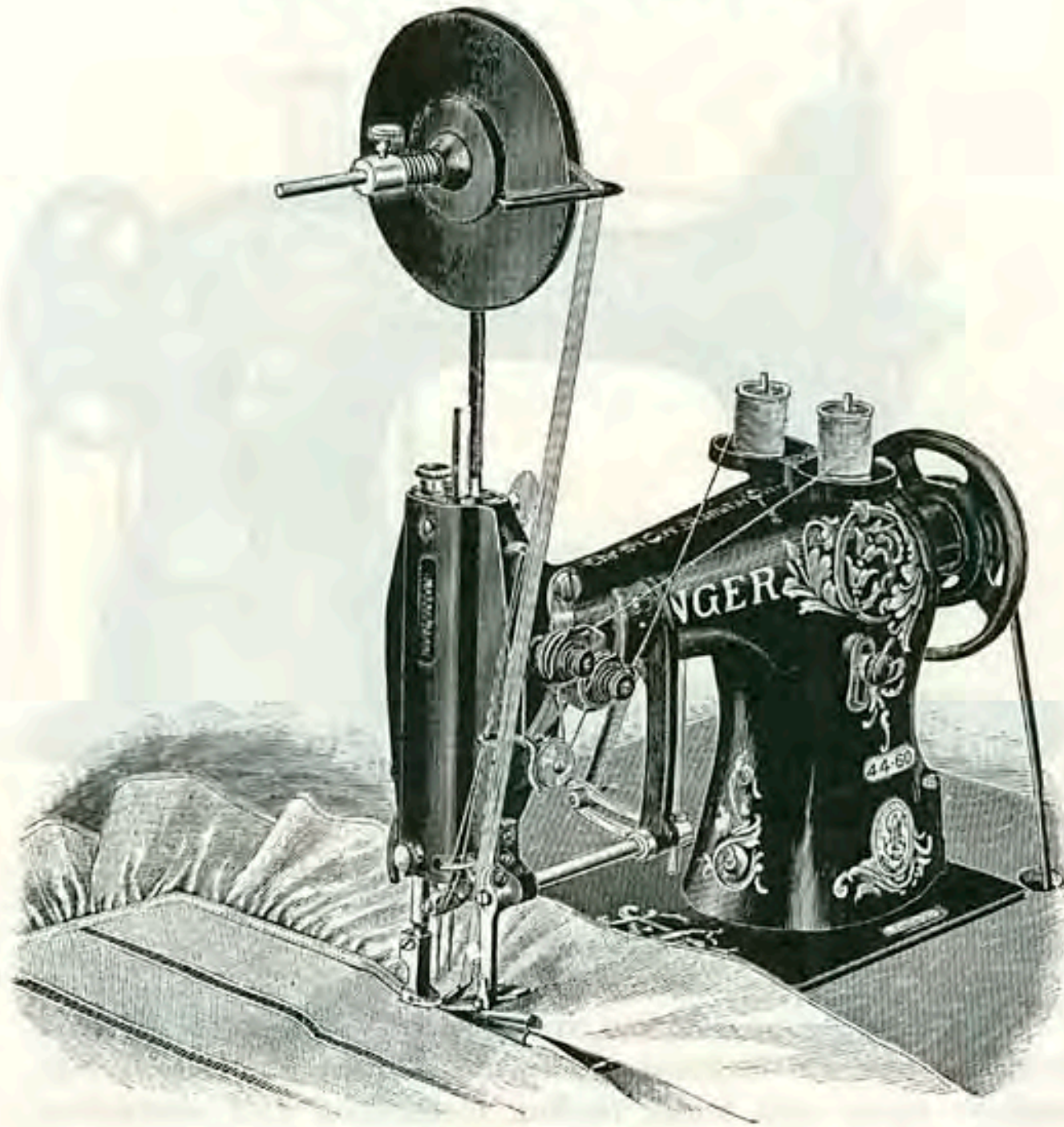
MACHINE No. 44-39

NO.	DESCRIPTION	PRICE
44-39	<p>FOR MAKING THE "BRIAR" EMBROIDERY STITCH, uniting two pieces of fabric. Two needles, two shuttles; gauges from <math>\frac{5}{32}</math> to <math>\frac{13}{32}</math> inch. (Shuttles Nos. 19324 and 19326 for <math>\frac{5}{32}</math> to <math>\frac{13}{64}</math> inch gauge, 19324 and 19325 for <math>\frac{7}{32}</math> to <math>\frac{13}{32}</math> inch gauge). Drop feed, bobbin No. 19131. Has no knee lifter. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 1200. Cipher, EKFOR. See Form 9041.                      Weight in lbs., 55 net, 88 gross. Cubic meas., 3 ft. 4 in.</p>	
44-40	<p>FOR TWO ROW STITCHING IN LIGHT AND MEDIUM LEATHER. Has mechanism for throwing the left hand needle out of action. Two needles, two shuttles; gauges from <math>\frac{3}{32}</math> to <math>\frac{1}{4}</math> inch. (Shuttles Nos. 19324 and 19326 for <math>\frac{3}{32}</math> to <math>\frac{13}{64}</math> inch gauge; 19324 and 19325 from <math>\frac{7}{32}</math> to <math>\frac{1}{4}</math> inch gauge). Fitted with regulating screws in the arm bracket to regulate the action of the bell crank that actuates the needle bar locking pin. Knee lifter. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches . . . . .                      Speed 2000. Cipher, EKFOR.                      Weight in lbs., 57 net, 95 gross. Cubic meas., 2 ft. 10 in.                      See also Machine No. 44-84 for work on fabrics.</p>	

NOTE. The object of stopping the left hand needle is to prevent the crossing of stitches when turning corners. At a distance from the corner, equal to the gauge of the machine, the left hand needle bar is released from its driving mechanism and remains raised; the right hand needle then stitches alone to the corner and an equal distance beyond it after turning; the left hand needle is then brought again into action.



## MACHINES OF CLASS 44



MACHINE No. 44-60

NO.	DESCRIPTION	PRICE
<b>44-60</b>	<p>FOR RUFFLING THICK OR THIN FABRICS, APRONS, CURTAINS, DRESSES, INFANTS' GARMENTS, SKIRTS, ETC. Has positive ruffling mechanism. Two needles, two shuttles; gauges from <math>\frac{1}{8}</math> to <math>\frac{3}{4}</math> inch. (Shuttles Nos. 19324 and 19326 for <math>\frac{1}{8}</math> to <math>\frac{1}{4}</math> inch gauge, 19324 and 19325 for <math>\frac{3}{8}</math> to <math>\frac{3}{4}</math> inch gauge). Drop feed, bobbin No. 19131. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches... Speed 2000. Cipher, EKFUS. See Forms 9042 and 9043. Weight in lbs., 54 net, 91 gross. Cubic meas., 2 ft. 10 in. See also Machines Nos. 31-27, 31-60 and 44-22.</p> <p>NOTE. Guides for tape, cord and strips, also edge folders and tape reels can be furnished for this machine.</p>	
<b>44-62</b>	<p>FOR CROSS THREAD EMBROIDERY. Two needles, two shuttles; gauges from <math>\frac{1}{8}</math> to <math>\frac{1}{2}</math> inch. (Shuttles Nos. 19324 and 19326 for <math>\frac{1}{8}</math> to <math>\frac{1}{4}</math> inch gauge, 19324 and 19325 for <math>\frac{3}{8}</math> to <math>\frac{1}{2}</math> inch gauge). Has finger that carries one, or two silk or other threads across in front of the needles, and they are fastened down by the stitches. Can be used with one needle only, if desired. Drop feed, bobbin No. 19131. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches... Speed 1500. Cipher, EKGAP. Weight in lbs., 56 net, 91 gross. Cubic meas., 4 ft. 0 in.</p>	



MACHINES OF CLASS 44

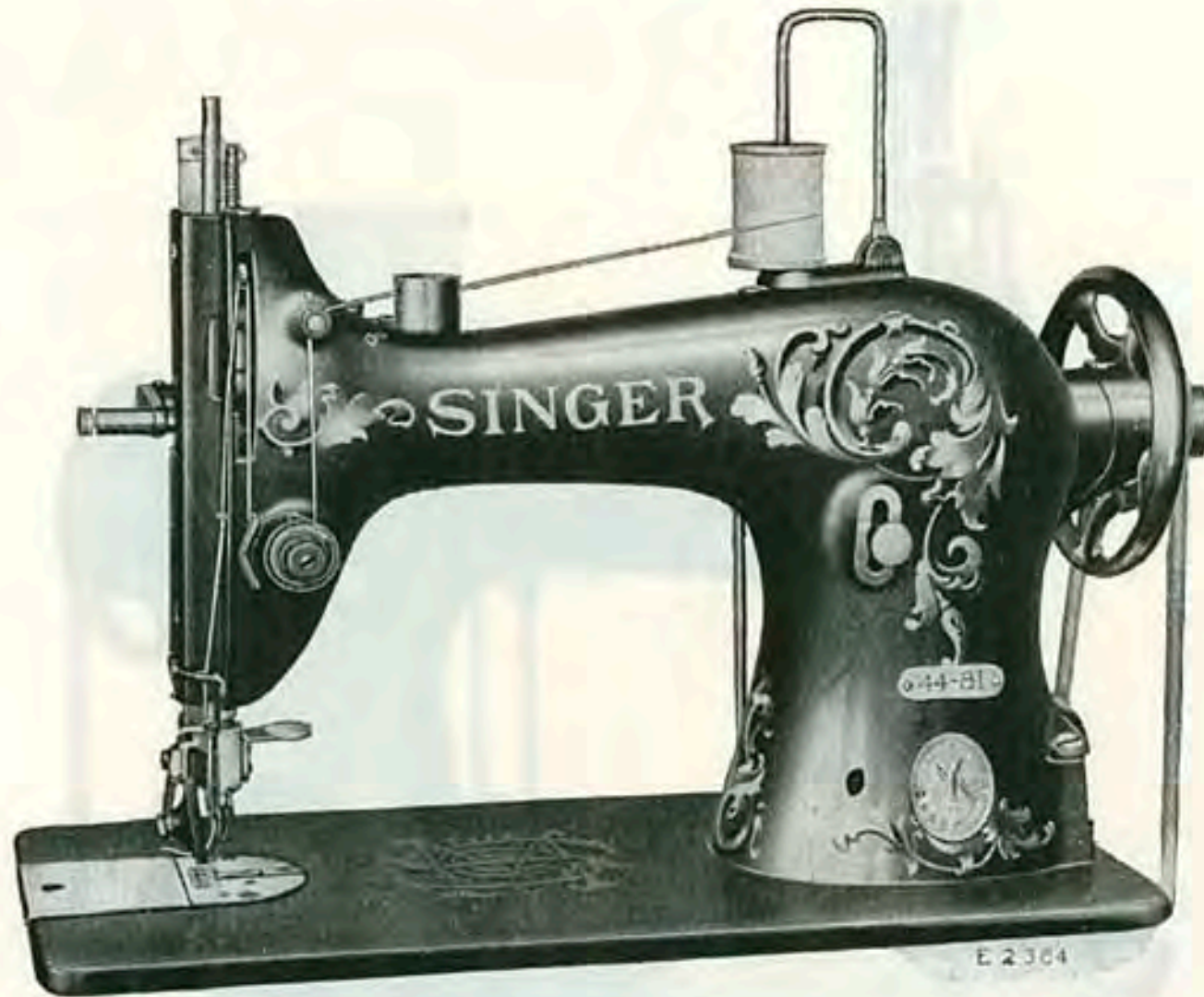


MACHINE No. 44-72

NO.	DESCRIPTION	PRICE
44-72	<p>FOR BINDING CORSETS AND OTHER ARTICLES; also for stitching work of uneven thickness or having adhesive surfaces. Has positive upper and under feeding mechanism and alternating pressers, shuttle No. 19292, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 2000. Cipher, EKGIS. See Form 9246.                      Weight in lbs., 51 net, 74 gross. Cubic meas., 2 ft. 0 in.</p> <p>NOTE. See Binder No. 26956 for corset work.</p>	
44-74	<p>FOR REPAIRING BELTS IN COTTON MILLS, ETC. Has hand driving attachment, drop feed, shuttle No. 20758, bobbin No. 19131. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{1}{16}</math> inches                      Cipher, EKGUV. See Form 9203.                      Weight in lbs., 54 net, 89 gross. Cubic meas., 2 ft. 4 in.</p> <p>NOTE. To use this machine successfully the customer should be provided with base No. 79625. Price net, not included in the price of the machine and must be ordered separately on Form 455.</p>	
44-79	<p>FOR SEWING GAUGE GLOVES OF LIGHT, MEDIUM AND HEAVY LEATHER. Drop feed, alternating pressers, shuttle No. 19292, bobbin No. 2996. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 1600. Cipher, EKHUZ.                      Weight in lbs., 50 net, 62 gross. Cubic meas., 2 ft. 0 in.</p> <p>NOTE. This machine is regularly fitted with edge guide (roller) No. 26810.</p>	



MACHINES OF CLASS 44



MACHINE No. 44-81

NO.	DESCRIPTION	PRICE
44-81	<p>FOR STITCHING AND TRIMMING IN GLOVE WORK. Has vertical trimmer, wheel feed, yielding presser, shuttle No. 19292, bobbin No. 2996. Has sectional shuttle race for easy removal of shuttle for cleaning. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....                      Speed 1800. Cipher, EK1AC. See Form 9422.                      Weight in lbs., 50 net, 70 gross. Cubic meas., 2 ft. 1 in.</p>	
44-82	<p>FOR GLOVES AND OTHER WORK IN LIGHT LEATHER. Wheel feed, roller presser, shuttle No. 19292, bobbin No. 2996. Has sectional shuttle race for easy removal of shuttle for cleaning. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....                      Speed 2000. Cipher, EK1AD. See Form 9474.                      Weight in lbs., 48 net, 68 gross. Cubic meas., 2 ft. 1 in.</p>	
44-83	<p>FOR STITCHING AND TRIMMING IN GLOVE WORK. Has vertical trimmer, drop feed, yielding presser, shuttle No. 19292, bobbin No. 2996. Has sectional shuttle race for easy removal of shuttle for cleaning. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....                      Speed 1800. Cipher, EK1AE.                      Weight in lbs., 52 net, 75 gross. Cubic meas., 2 ft. 0 in.</p>	



MACHINES OF CLASS 44



MACHINE No. 44-84

NO.	DESCRIPTION	PRICE
44-84	<p>FOR TWO ROW STITCHING IN LIGHT AND MEDIUM WEIGHT FABRICS. Has mechanism for throwing the left hand needle out of action. Two needles, two shuttles; gauges from <math>\frac{3}{32}</math> to 1 inch. (Shuttles Nos. 19324 and 19326 for <math>\frac{3}{32}</math> to <math>\frac{13}{64}</math> inch gauge, 19324 and 19325 for <math>\frac{7}{32}</math> to 1 inch gauge). Fitted with regulating screws in the arm bracket to regulate the action of the bell crank that actuates the needle bar locking pin. Knee lifter. Balance wheel No. 24296. Diameter of belt groove <math>2\frac{3}{16}</math> inches. Finished sample of the work to be produced should accompany orders for the machine.....</p> <p>Speed 2000. Cipher, EKIAF. See Form 9505.</p> <p>Weight in lbs., 58 net, 86 gross. Cubic meas., 2 ft. 10 in.</p> <p>See Machine No. 44-40 for Work in Leather.</p>	

NOTE. The object of stopping the left hand needle is to prevent the crossing of the stitches when turning corners. At a distance from the corner equal to the gauge of the machine, the left hand needle bar is released from its driving mechanism and remains raised; the right hand needle then stitches alone to the corner and an equal distance beyond it after turning; the left hand needle is then brought again into action.



# MACHINES OF CLASS 45 K

## FLAT BED

The machines of Class 45 K have been specially designed for heavy textile and leather work. The maximum length of stitch is  $\frac{3}{8}$  inch unless otherwise specified, while any thickness of material up to  $\frac{1}{2}$  inch may be easily sewn. Bed  $20\frac{1}{2}$  inches long, 10 inches from needle to base of arm; cylinder shuttle. May be fitted with either gas or spirit heating device.



MACHINE No. 45 K 1

NOTE. Machines of Class 45 K can be furnished with Table and Stand at an additional price. Machines of Class 45 K are regularly fitted with a tight balance wheel, but can be furnished with S. D. A. if so ordered at an additional price of        net. (For list price of Tables and Stands see Form 8801).

NO.	DESCRIPTION	PRICE
45 K 1	FOR AWNINGS, SAILS, TARPAULINS, WAGON COVERS, ETC. Needle bar link, drop feed. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 900. Cipher, ADNIS. See Form 9332.	



MACHINES OF CLASS 45 K

FLAT BED



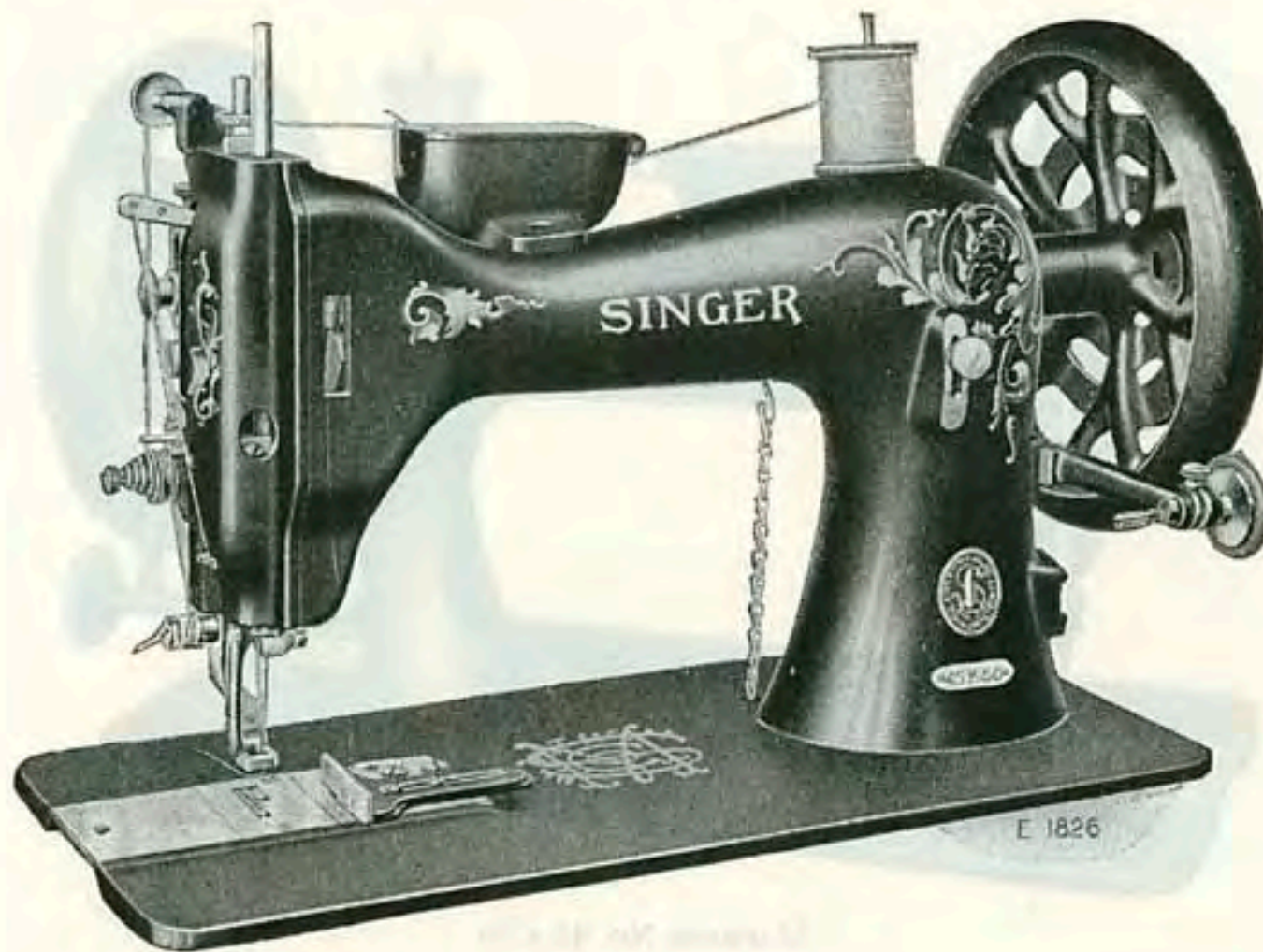
MACHINE No. 45 K 5

NO.	DESCRIPTION	PRICE
45 K 5	FOR GENERAL WORK IN LEATHER. Needle bar link, drop feed and roller presser. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 900. Cipher, ADNOT.	
45 K 11	FOR STITCHING HEAVY CANVAS COAL BAGS, SAILS, ETC. Needle bar link, drop feed; maximum length of stitch $\frac{1}{2}$ inch. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 600. Cipher, ADNUV. See Form 9335.	
45 K 37	FOR STITCHING HEAVY CANVAS COAL BAGS, SAILS, ETC. Needle bar link, drop feed and vibrating presser; maximum length of stitch $\frac{1}{2}$ inch. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 700. Cipher, ADPIV. See Form 9335.	



MACHINES OF CLASS 45 K

FLAT BED



MACHINE No. 45 K 50

NO.	DESCRIPTION	PRICE
<b>45 K 50</b>	FOR BOOK AND PAMPHLET STITCHING. Needle bar link, independent upper and under feeds; maximum length of stitch $\frac{1}{2}$ inch. Balance wheel (two speed) No. 91002. Diameter of belt grooves $3\frac{1}{4}$ and $5\frac{7}{8}$ inches. . . . . Speed 800. Cipher, ADREV. See Form 9331.	
<b>45 K 58</b>	FOR GENERAL SADDLERY, BAG, PORTMANTEAU, CLOTH AND CANVAS WORK. Drop feed, vibrating and climbing presser. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 700. Cipher, ADSEW. See Form 9353.	



**MACHINES OF CLASS 45 K**

**FLAT BED**



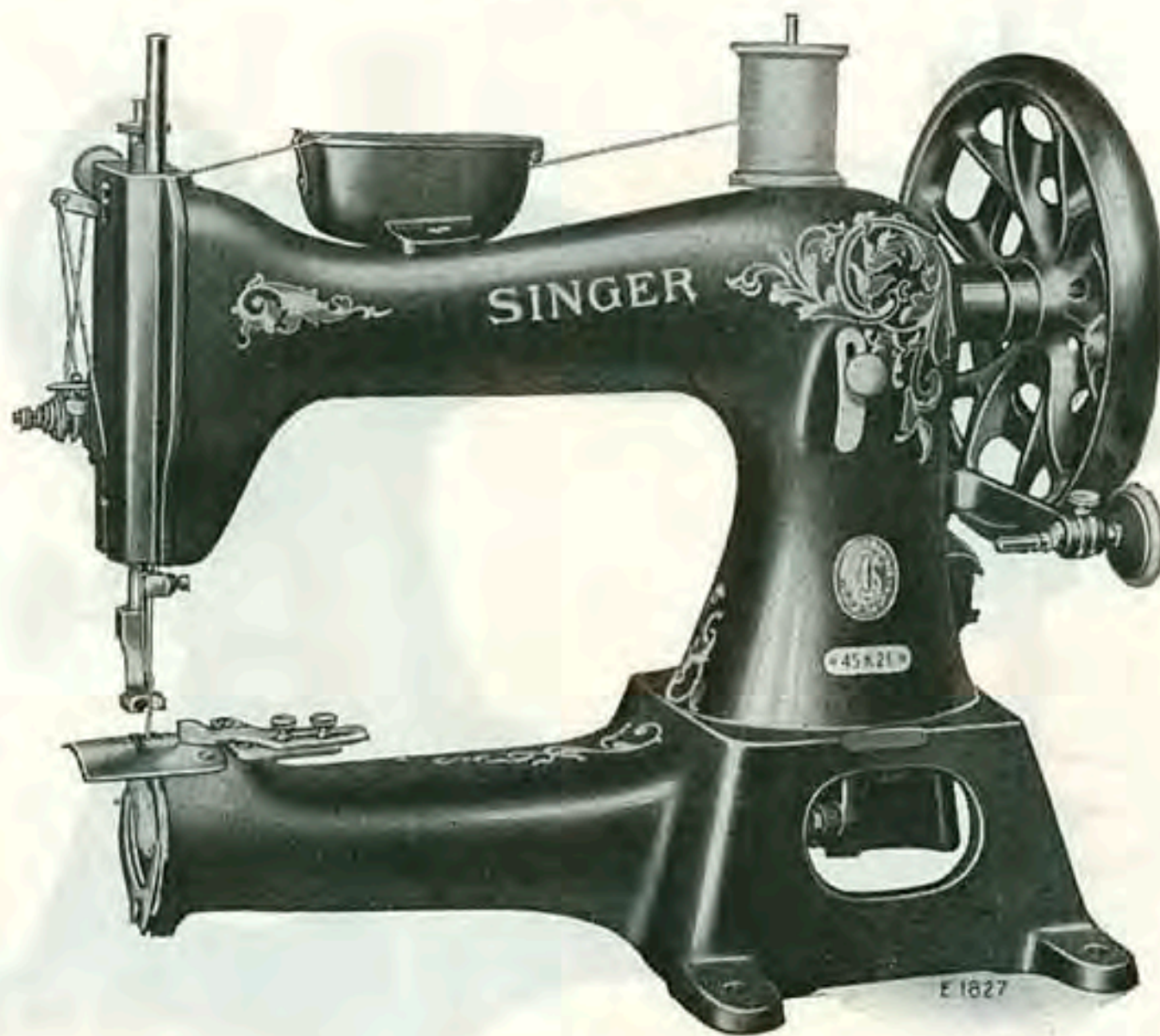
MACHINE No. 45 K 80

NO.	DESCRIPTION	PRICE
45 K 80	FOR GENERAL WORK IN LEATHER up to $\frac{11}{16}$ inch in thickness. Needle bar cam, drop feed, special high lift and compound take-up. Balance wheel (three speed) No. 91749. Diameter of belt grooves $3\frac{5}{8}$ , $4\frac{7}{8}$ and $7\frac{5}{8}$ inches. . . . . Speed 350. Cipher, AFBIG. See Form 9333.	
45 K 82	FOR GENERAL WORK IN LEATHER up to $\frac{11}{16}$ inch in thickness. Needle bar cam, drop feed, special high lift and compound take-up. Has gas heating device for hot wax stitching. Balance wheel (three speed) No. 91749. Diameter of belt grooves $3\frac{5}{8}$ , $4\frac{7}{8}$ and $7\frac{5}{8}$ inches. . . . . Speed 350. Cipher, AFBUJ. See Form 9333.	
45 K 84	FOR GENERAL WORK IN LEATHER up to $\frac{11}{16}$ inch in thickness. Needle bar cam, drop feed, special high lift and compound take-up. Has spirit heating device for hot wax stitching. Balance wheel (three speed) No. 91749. Diameter of belt grooves $3\frac{5}{8}$ , $4\frac{7}{8}$ and $7\frac{5}{8}$ inches. . . . . Speed 350. Cipher, AGCAG. See Form 9333.	

NOTE. Bobbin winder No. 91400 is recommended for use with the 45 K 82 and 45 K 84 machines for hot wax stitching. As one bobbin winder will serve for several machines, it is not included as part of the head and must be ordered separately on Form 450.



**MACHINES OF CLASS 45 K**  
**CYLINDER BED**



MACHINE No. 45 K 21

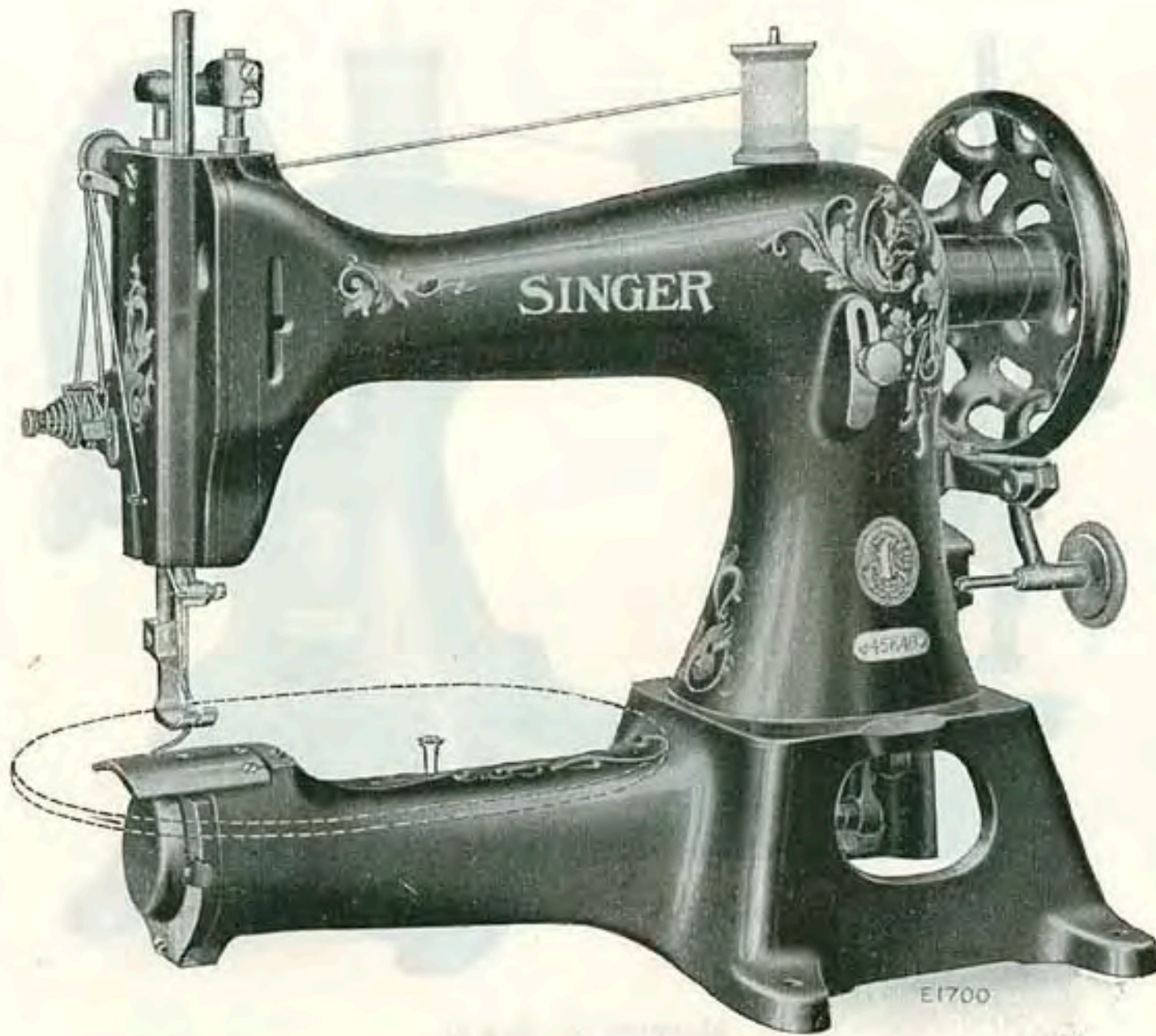
NO.	DESCRIPTION	PRICE
<b>45 K 21</b>	FOR HORSE FEED BAGS and other cylindrical work. Needle bar link, drop feed. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 900. Cipher, ADNYW. See Form 9351.	
<b>45 K 25</b>	FOR GENERAL WORK IN HEAVY LEATHER requiring a cylinder machine. Needle bar link, drop feed and roller presser. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 900. Cipher, ADPAS. See Form 9334.	
<b>45 K 41</b>	FOR HELMET WORK. Needle bar link, drop feed; bed reduced back of throat plate. Regularly furnished with left and right roller pressers Nos. 82435 and 91187. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 900. Cipher, ADPOW. See Form 9440.	
<b>45 K 42</b>	FOR SADDLERY WORK. Needle bar link, top feed. Plain feeding presser foot and lifting presser foot (outside). Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. Speed 700. Cipher, ADPUX. See Form 9071.	

NOTE. Presser foot feed points may be used with this machine, but are only supplied when specified on order and are charged extra.

NOTE. Work plates are not furnished with Class 45 K cylinder bed machines, except where included in description, but can be furnished if so ordered at an addition of net to the selling price of the machine.



MACHINES OF CLASS 45 K  
CYLINDER BED

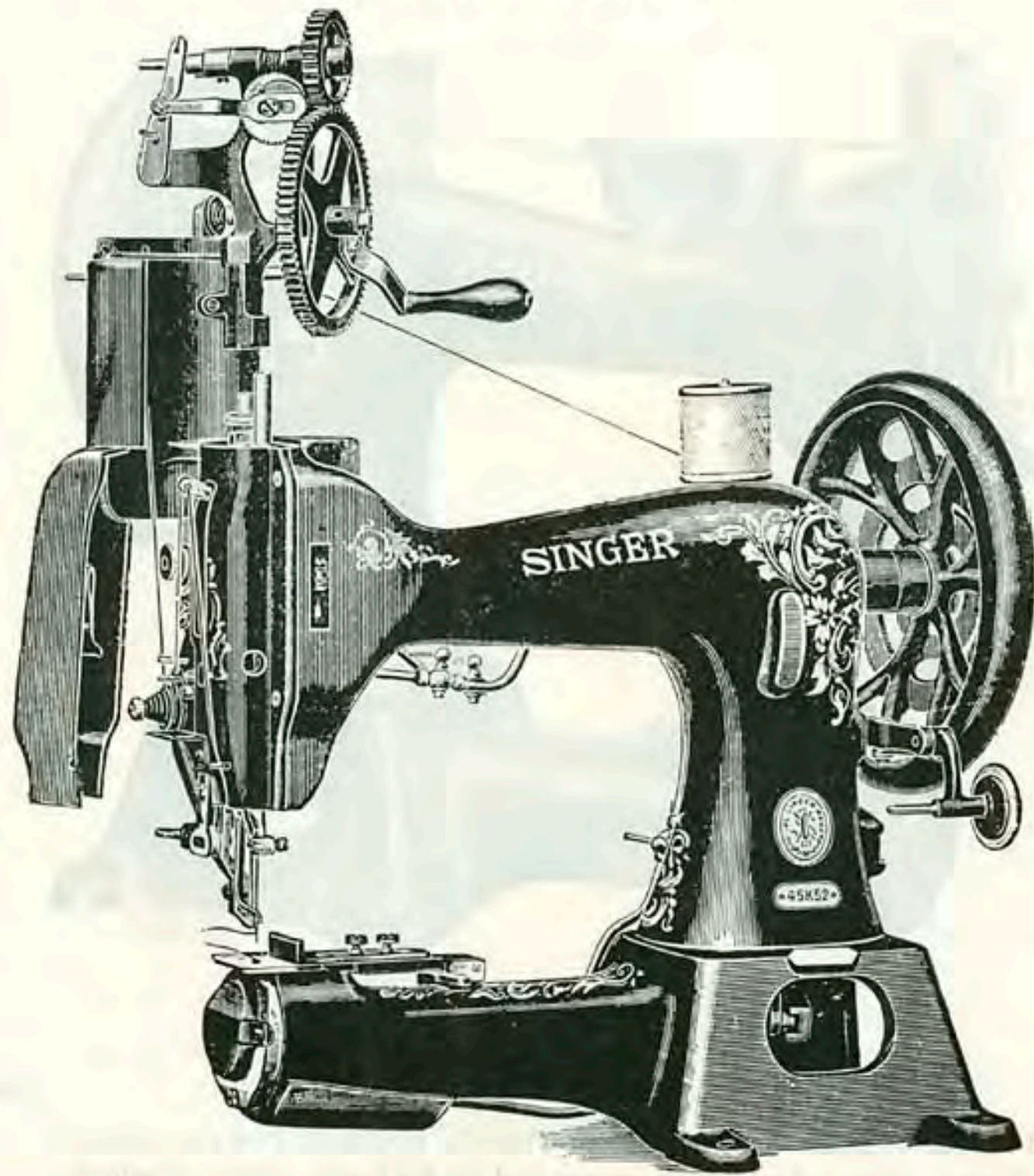


MACHINE No. 45 K 48

NO.	DESCRIPTION	PRICE
<b>45 K 48</b>	<p>No. cancelled.                      presser and work plate. Balance wheel (two speed) No. 91613.                      Diameter of belt grooves 3½ and 5 inches.....                      Speed 400. Cipher, AD RAT. See Form 9060.</p>	
<p>NOTE. Work plates are not furnished with Class 45 K cylinder bed machines, except where included in description, but can be furnished if so ordered at an addition of net to the selling price of the machine.</p>		



MACHINES OF CLASS 45 K  
CYLINDER BED



MACHINE No. 45 K 52

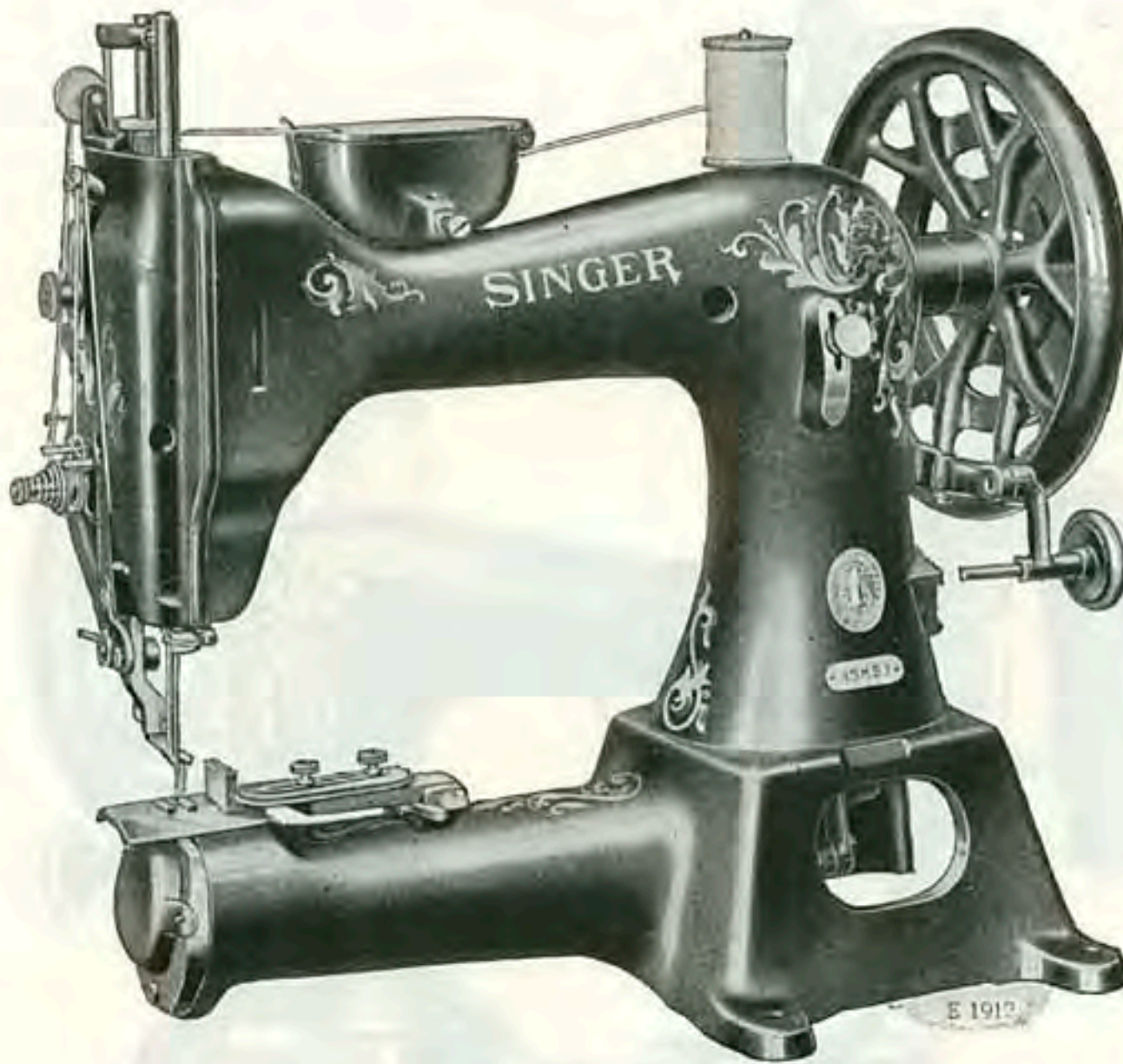
NO.	DESCRIPTION	PRICE
45 K 52	FOR SADDLERY WORK. Needle bar link, top feed. Plain feeding presser foot and lifting presser foot (outside). Has gas heating device for hot wax stitching and bobbin winder No. 91399. Balance wheel (two speed) No. 91002. Diameter of belt grooves $3\frac{1}{4}$ and $5\frac{7}{8}$ inches. . . . . Speed 700. Cipher, ADRIW. See Form 9071.	

NOTE. Presser foot feed points may be used with this machine, but are only supplied when specified on order and are charged extra.

NOTE. Work plates are not furnished with Class 45 K cylinder bed machines, except where included in description, but can be furnished if so ordered at an addition of net to the selling price of the machine.



**MACHINES OF CLASS 45 K**  
**CYLINDER BED**



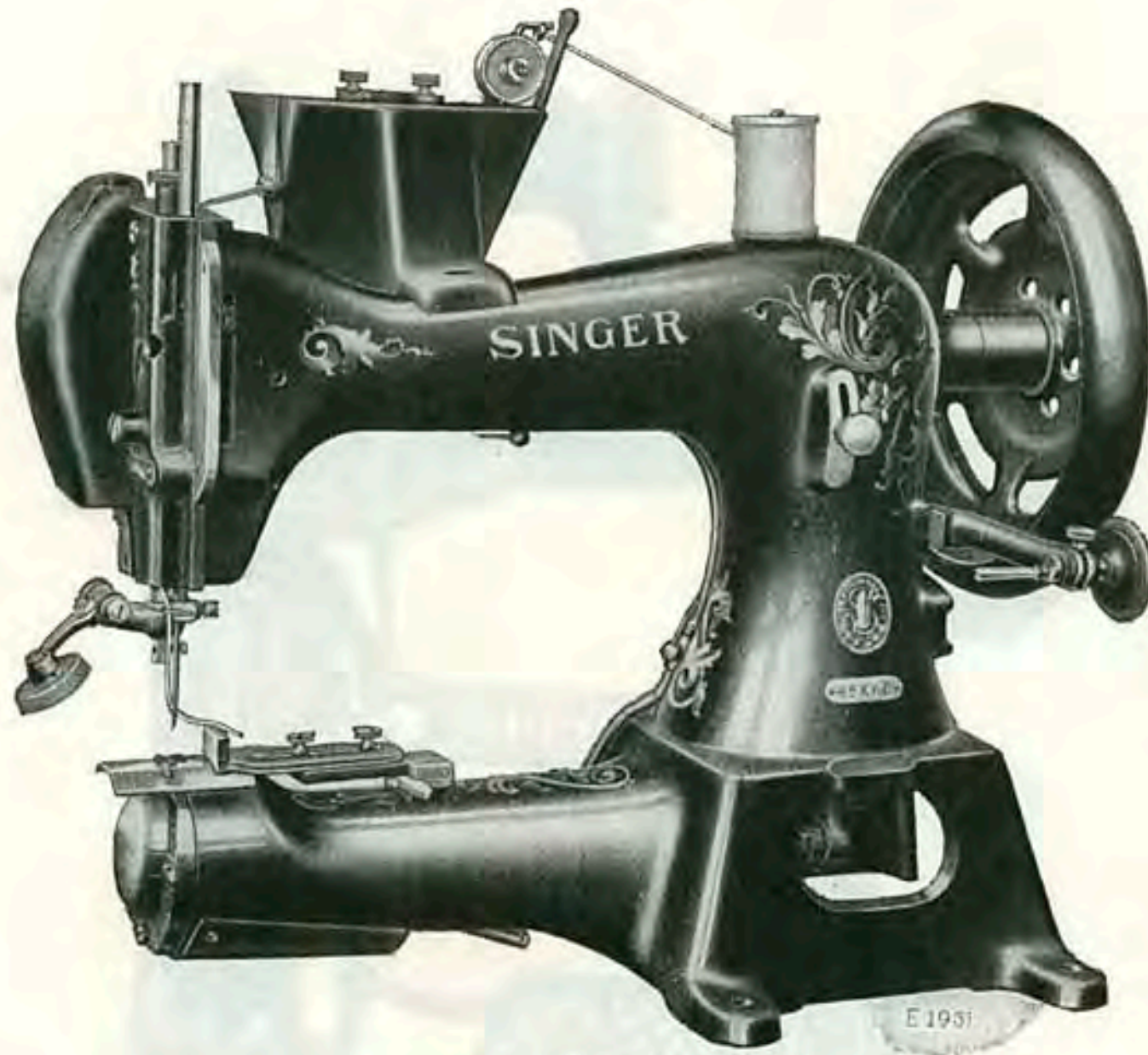
MACHINE No. 45 K 53

NO.	DESCRIPTION	PRICE
<b>45 K 53</b>	FOR GENERAL SADDLERY, FOOTBALL, BAG AND PORTMANTEAU WORK. Has independent upper and under feeds, either of which can be suspended, making the machine an under-feed with stationary presser foot or a top-feed machine, or both feeds may be used in unison. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 500. Cipher, ADROX. See Form 9345.	
<b>45 K 56</b>	FOR GENERAL SADDLERY, BAG AND PORTMANTEAU WORK. Drop feed, vibrating and climbing presser. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 700. Cipher, ADSAV. See Form 9354.	
<b>45 K 63</b>	FOR HEAVY BOOTS, HELMETS, FELTS AND OTHER FABRICS. Has roller presser and vertical trimmer that trims from $\frac{1}{16}$ to $\frac{1}{4}$ inch from the seam; drop feed. Machines are fitted with $\frac{1}{16}$ , $\frac{1}{8}$ and $\frac{3}{16}$ inch cutting bars unless other widths are specified on order. Balance wheel (two speed) No. 82404. Diameter of belt grooves $3\frac{1}{8}$ and 6 inches. . . . . Speed 900. Cipher, ADSIX. See Form 9339.	

NOTE. Work plates are not furnished with Class 45 K cylinder bed machines, except where included in description, but can be furnished if so ordered at an addition of net to the selling price of the machine.



**MACHINES OF CLASS 45 K  
CYLINDER BED**

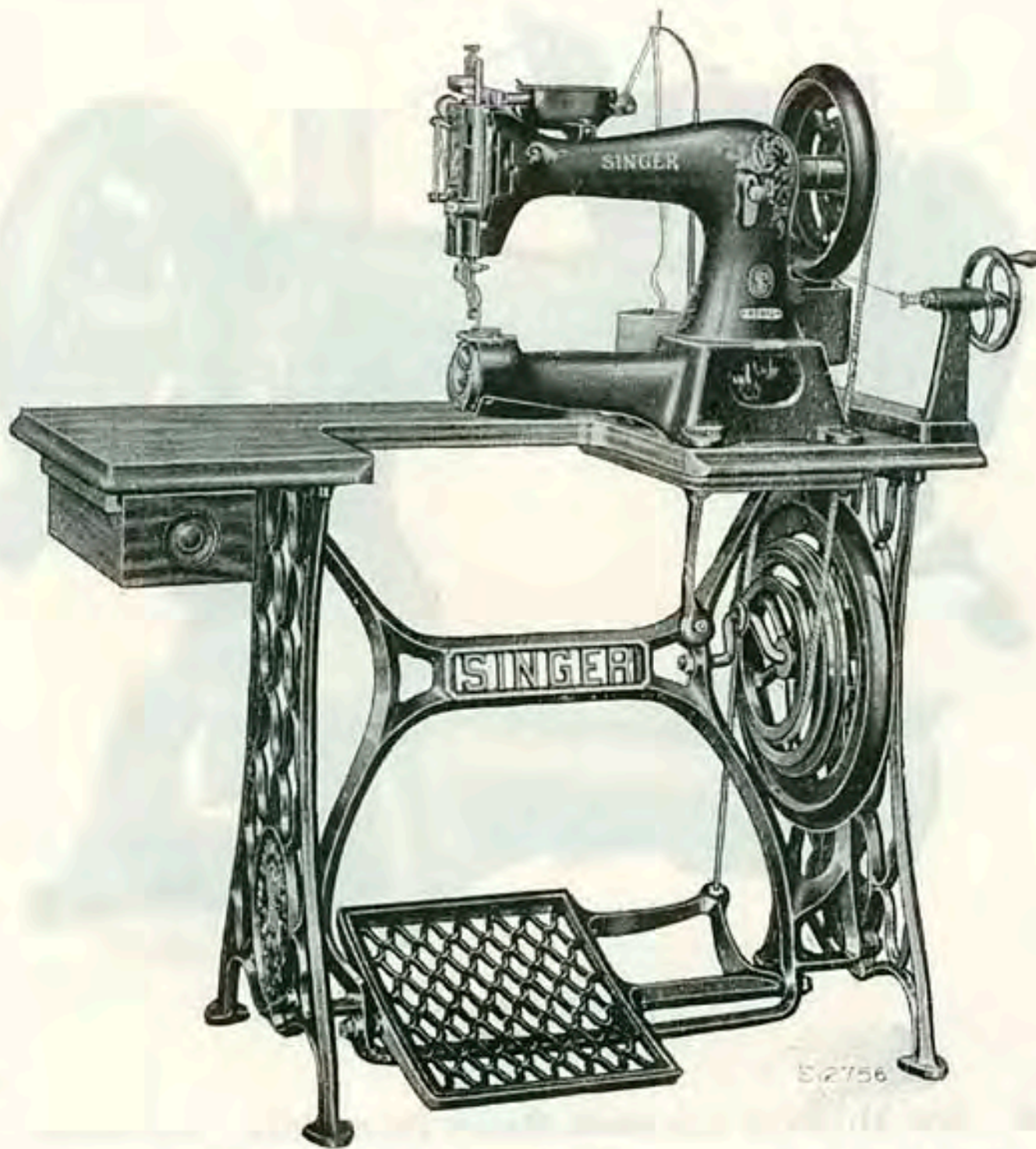


MACHINE NO. 45 K 66

NO.	DESCRIPTION	PRICE
<b>45 K 66</b>	<p>FOR MILITARY AND OTHER HEAVY BOOT WORK. Needle bar cam, drop feed, compound take-up and gas heating device for hot wax stitching. Balance wheel (three speed) No. 91749. Diameter of belt grooves <math>3\frac{5}{8}</math>, <math>4\frac{7}{8}</math> and <math>7\frac{5}{8}</math> inches. . . . .</p> <p>Speed 700. Cipher, ADTAW. See Form 9349.</p> <p><small>NOTE. Bobbin winder No. 91400 is recommended for use with the 45 K 66 machine for hot wax stitching. As one bobbin winder will serve for several machines, it is not included as part of the head and must be ordered separately on Form 450.</small></p>	
<b>45 K 67</b>	<p>FOR GENERAL SADDLERY, BAG AND PORTMANTEAU, TEXTILE, FABRIC WORK, ETC. Needle bar cam, drop feed, compound take-up, high lift and vibrating and climbing presser. Balance wheel (three speed) No. 91749. Diameter of belt grooves <math>3\frac{5}{8}</math>, <math>4\frac{7}{8}</math> and <math>7\frac{5}{8}</math> inches. . . . .</p> <p>Speed 350. Cipher, ADTEX. See Form 9355.</p> <p><small>NOTE. Work plates are not furnished with Class 45 K cylinder bed machines, except where included in description, but can be furnished if so ordered at an addition of            net to the selling price of the machine.</small></p>	



**MACHINES OF CLASS 45 K  
CYLINDER BED**

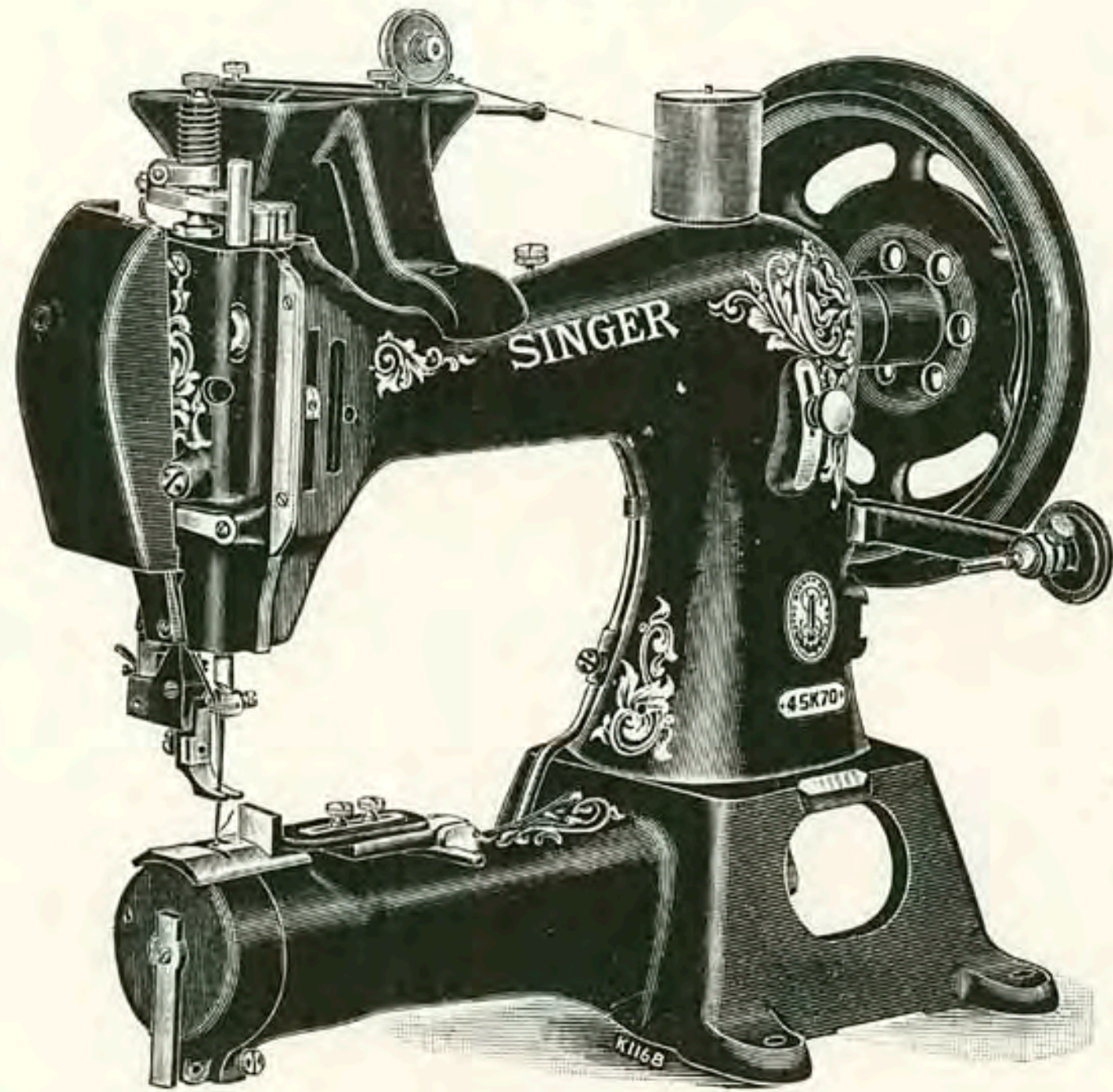


MACHINE NO. 45 K 69 ON TABLE NO. 83384 AND STAND NO. 94505  
(For List Price of Table and Stand see Form 8801)

NO.	DESCRIPTION	PRICE
45 K 69	<p>FOR STITCHING SOLES ON SHOES, maximum thickness <math>\frac{5}{8}</math> inch. Needle bar cam, drop feed, compound take-up and high lift. Has throat plate fitted with knife for forming a channel for the lower thread. Length of stitch up to <math>\frac{1}{4}</math> inch. Regularly furnished with gas heating device for hot wax stitching. Balance wheel (three speed) No. 91749. Diameter of belt grooves <math>3\frac{5}{8}</math>, <math>4\frac{7}{8}</math> and <math>7\frac{5}{8}</math> inches. Head only.....</p> <p>Cipher, ADTUB. See Form 9446.</p>	



**MACHINES OF CLASS 45K**  
**CYLINDER BED**



MACHINE No. 45 K 70

NO.	DESCRIPTION	PRICE
<b>45 K 70</b>	FOR SADDLERY WORK, ETC. Has gas heating device for hot wax stitching. Balance wheel (three speed) No. 91749. Diameter of belt grooves $3\frac{5}{8}$ , $4\frac{7}{8}$ and $7\frac{5}{8}$ inches. . . . . Speed 350. Cipher, ADTYC. See Form 9355.	
<b>45 K 72</b>	FOR SADDLERY WORK, ETC. Has spirit heating device for hot wax stitching. Balance wheel (three speed) No. 91749. Diameter of belt grooves $3\frac{5}{8}$ , $4\frac{7}{8}$ and $7\frac{5}{8}$ inches. . . . . Speed 350. Cipher, ADVEZ. See Form 9355.	
<p style="margin: 0;">NOTE. Bobbin winder No. 91400 is recommended for use with the 45 K 70 and 45 K 72 machines for hot wax stitching. As one bobbin winder will serve for several machines, it is not included as part of the head and must be ordered separately on Form 450.</p>		
<b>45 K 76</b>	FOR SACK DARNING. Needle bar link, lifting presser and work plate. No feeding mechanism. Fitted with friction controlled balance wheel (two speed) No. 95189. Diameter of belt grooves $3\frac{3}{8}$ and $5\frac{1}{8}$ inches. . . . . Speed 1000. Cipher, ADJAB.	

NOTE. Base No. 94975 can be furnished for this machine at an additional charge of

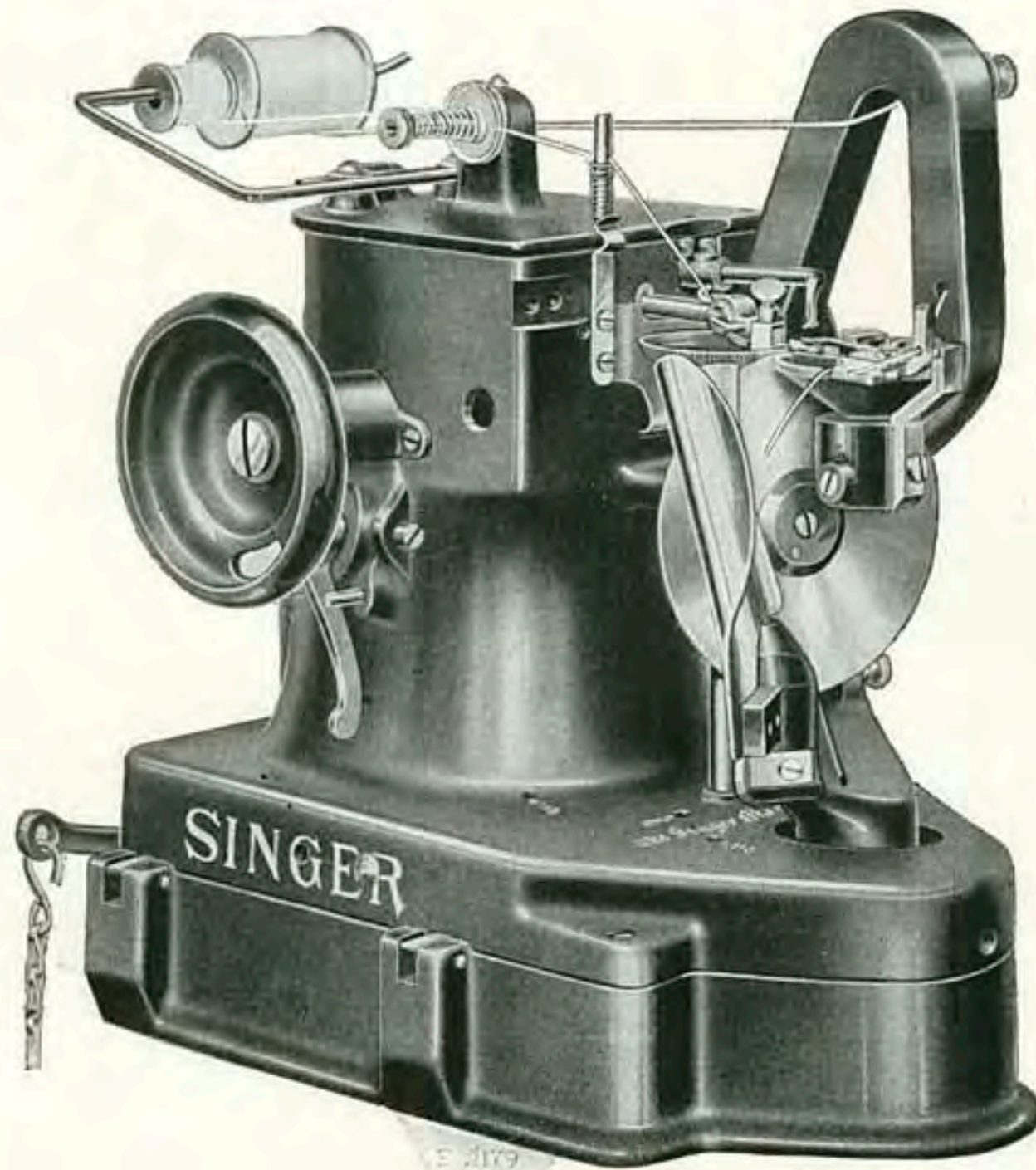
NOTE. Work plates are not furnished with Class 45K cylinder bed machines, except where included in description, but can be furnished if so ordered at an addition of net to the selling price of the machine.

Insert in Form 8800 in place of leaf now showing 45 K 70 to 45 K 74 Machines (November, 1926).



# MACHINES OF CLASS 46

HORIZONTAL NEEDLE BAR



MACHINE No. 46-100

NO.	DESCRIPTION	PRICE
<b>46-100</b>	<p>FOR SEWING SWEAT BANDS IN SOFT FELT HATS with a single thread diagonal overedge chain stitch, at the same time laying a cord on the edge of the sweat band under the stitching. Fitted with hinged guide and two revolving feed discs, the front feed disc arranged so that it may be moved to release the work by means of a foot lifter. Balance wheel No. 95308. Diameter of belt groove <math>1\frac{7}{8}</math> inches. . . . .                      Speed 1000. Cipher, EKIAM. See Form 9406.                      Weight in lbs., 46 net, 87 gross. Cubic meas., 3 ft. 8 in.</p>	



# MACHINES OF CLASS 46 K

FOR "PIQUÉ" STITCH GLOVE WORK



MACHINE NO. 46 K 1

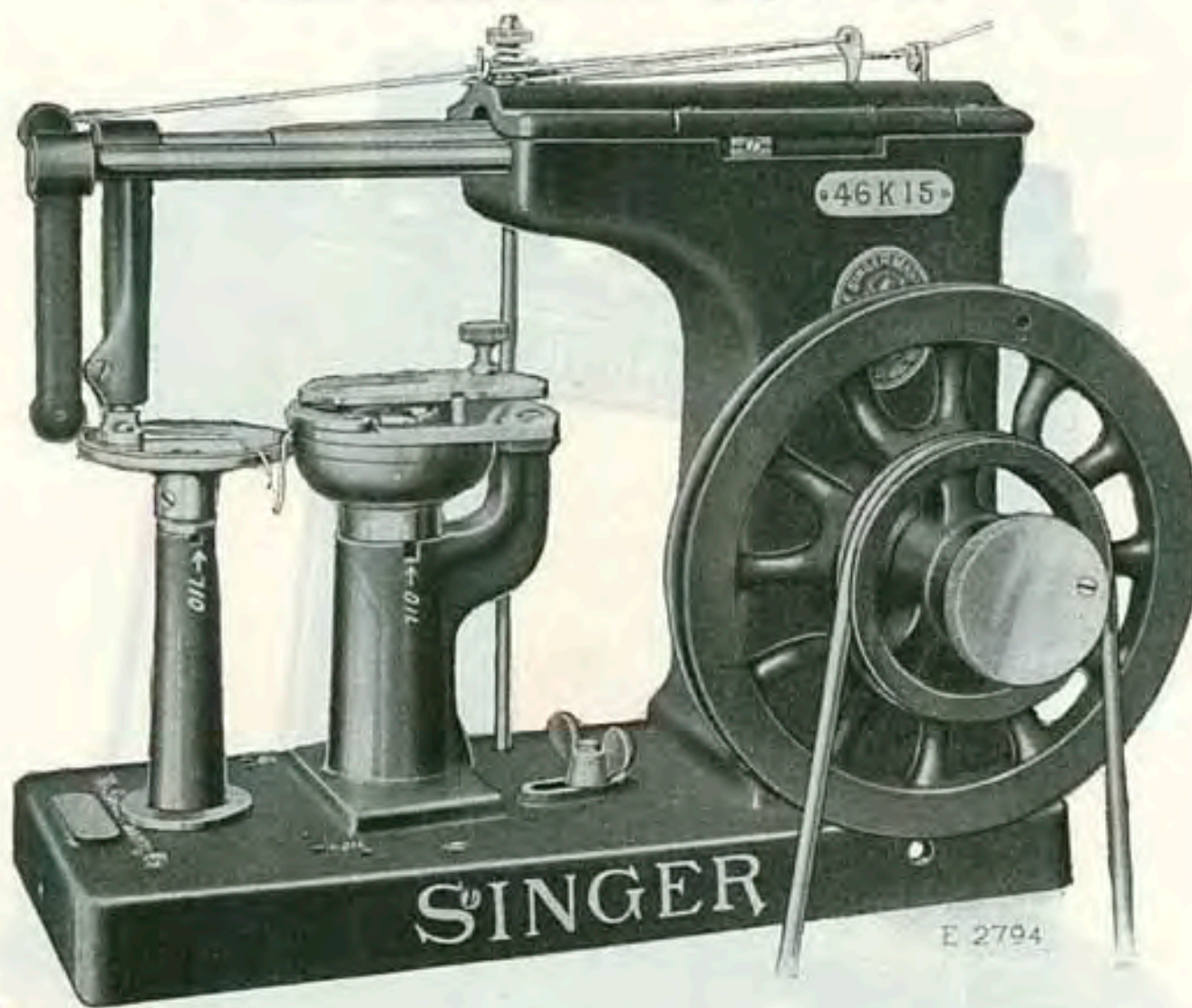
The "Piqué" is a two-thread or double chain stitch and is formed by the threads carried by the vertical needle and the oscillating looper. The chain stitch is formed on the under surface of the material, the stitch on the upper surface having the same appearance as the ordinary lock stitch. Machines are provided with a pivoted guide and a combined top feed and vibrating presser mechanism. The clear space from needle to base of arm is  $5\frac{3}{4}$  inches and the bed is  $11\frac{1}{2}$  inches in length. The shape of the tapered vertical post is specially adapted for stitching the FINGERS OF GLOVES. See Form 9044.

NOTE. Machines of Class 46 K can be furnished with Table and Stand if so ordered at an additional price. (For list price of Tables and Stands see Form 8801).

NO.	DESCRIPTION	PRICE
46 K 1	FOR GLOVE WORK. "Piqué" stitch. One needle, oscillating looper. Has column $3\frac{5}{8}$ inches high and $\frac{1}{2}$ inch in diameter at upper end, which contains the oscillating looper for making the "piqué" stitch. Upper feed, vibrating presser. Balance wheel No. 91803. Diameter of belt groove $2\frac{1}{2}$ inches. Head only..... Speed 700. Cipher, AFCEG.	
46 K 2	FOR CHILDREN'S GLOVES. Differs from 46 K 1 in having smaller column and looper. Balance wheel No. 91803. Diameter of belt groove $2\frac{1}{2}$ inches. Head only..... Speed 700. Cipher, AFCIH.	



**MACHINES OF CLASS 46 K  
FOR "PRIX SEAM" STITCH GLOVE WORK**



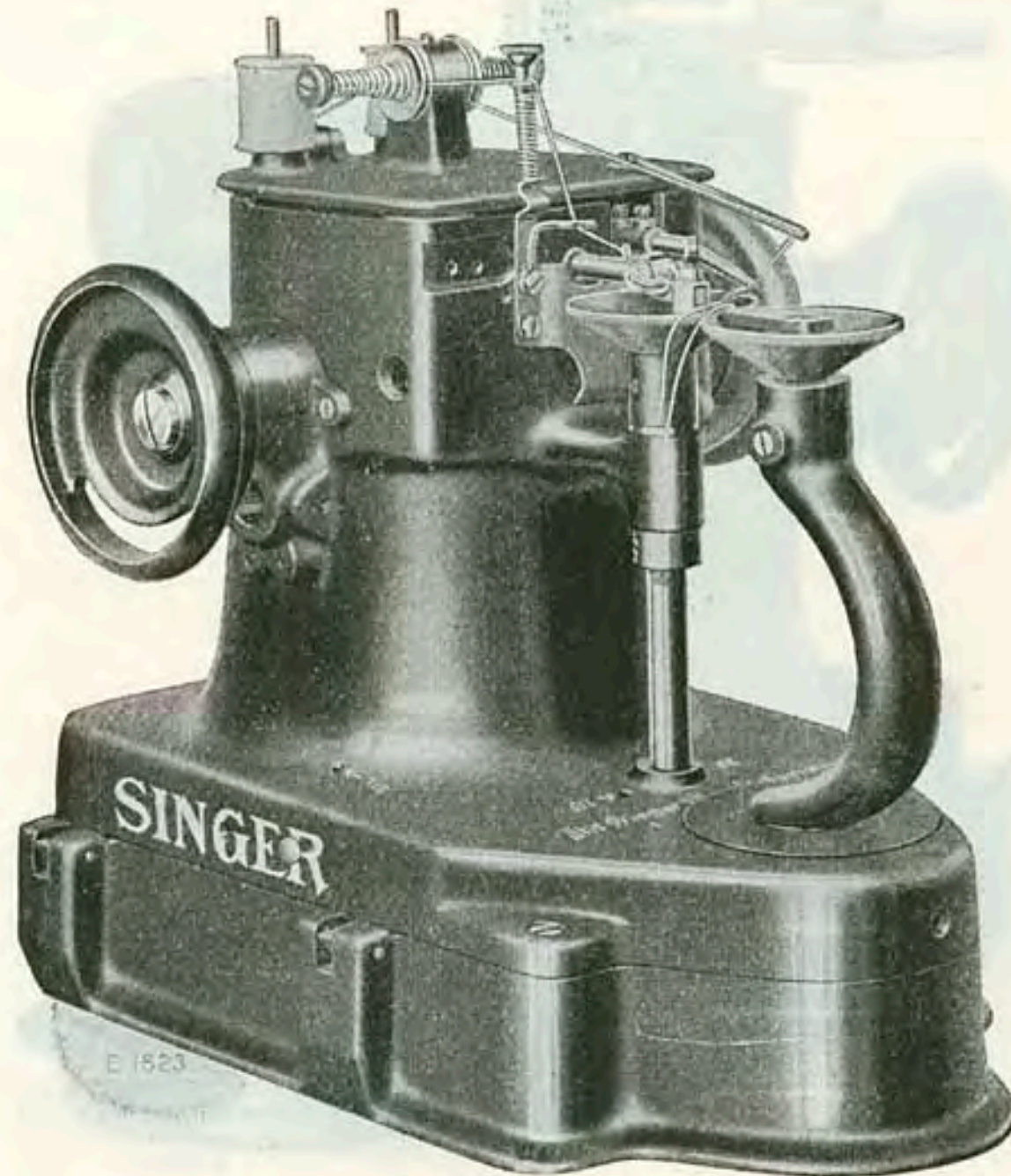
MACHINE NO. 46 K 15

The "Prix Seam" is the same as the lock stitch and the appearance is alike on both sides of the material. The work is held between and moved forward by two revolving discs or feed wheels. The front feed wheel is arranged so that it may be moved back from the rear wheel to release the work, either by hand or by means of the knee or foot lifter, without disturbing the relative time of the two feed wheels. When ordering, state if for use on foot power stand or on power table and if wanted with knee or foot lifter.

NO.	DESCRIPTION	PRICE
46 K 15	FOR GLOVE WORK. "Prix Seam" stitch. Has horizontal C. B., shuttle and overhanging needle bar; two feed roll discs, one plain, the other grooved, which can be separated by the knee or foot lifter to admit or release the work; this action also releases the upper thread tension. Balance wheel No. 92404. Diameter of belt groove $2\frac{5}{8}$ inches. Head only..... Cipher, AFCOJ. See Form 9142.	



**MACHINES OF CLASS 46K**  
**FOR "SURJETEUSE" OR "ROUND SEAM" STITCH, FOR GLOVE AND FUR**  
**WORK**



MACHINE No. 46 K 30

These machines are fitted for making a raised purl stitch called the "Surjeteuse" or "Round Seam." The feeding mechanism is positive and is regulated by means of a feed regulator which is graduated for various lengths. When ordering, state if for use on Foot Power Stand or on Power Table and if wanted with knee or foot lifter. See Form 9324.

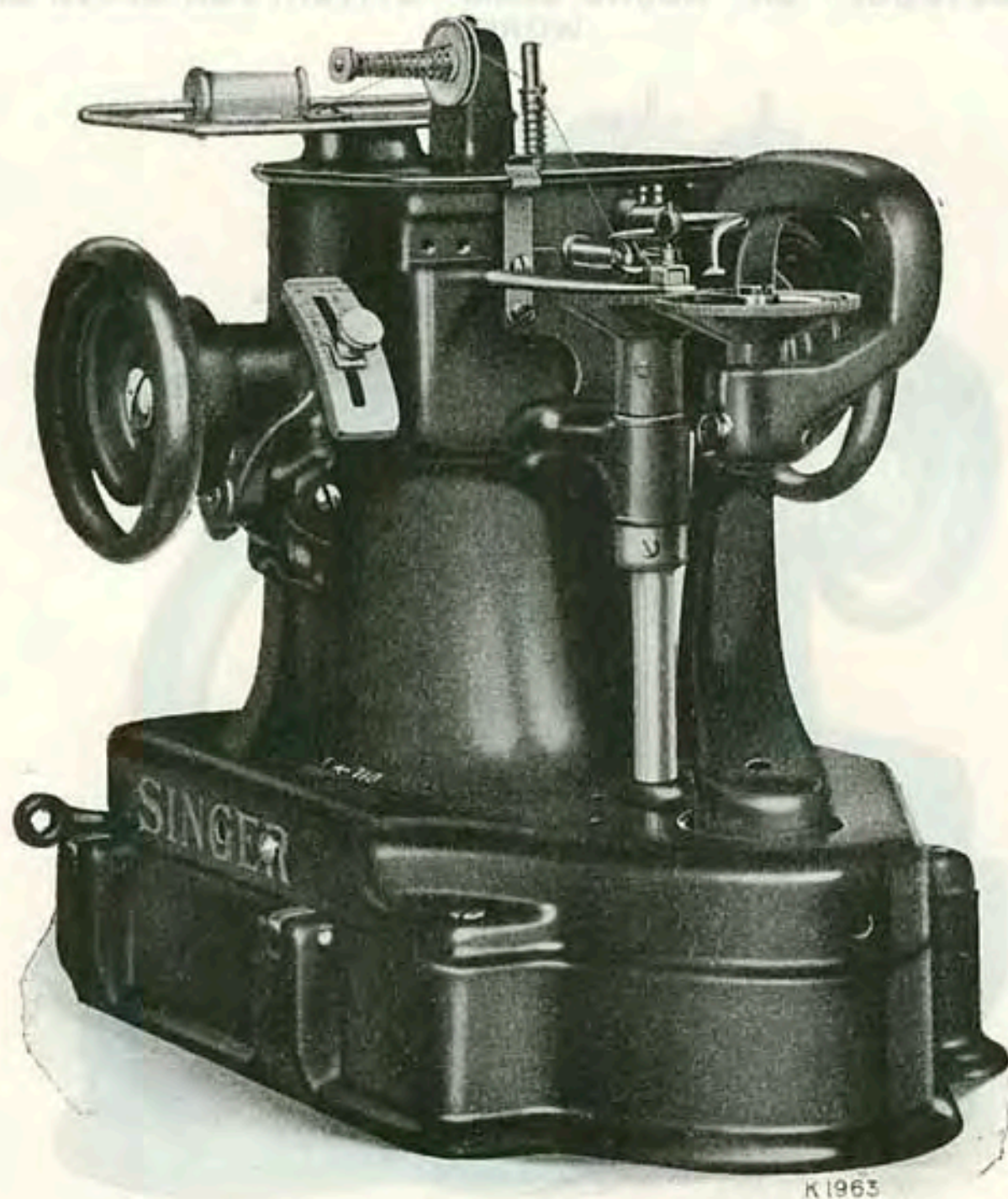
NO.	DESCRIPTION	PRICE
<b>46 K 30</b>	FOR GLOVE WORK. "Surjeteuse" or "Round Seam" stitch. Makes single or double chain stitch. Ratchet feed motion. Supplied with three ratchet wheels having 116, 140 and 165 teeth, for 18, 22 or 26 stitches to the inch. Balance wheel No. 95206. Diameter of belt groove $1\frac{7}{8}$ inches. Head only..... Speed 1800. Cipher, AFFAH.	

Insert for Form 8800 in place of leaf now showing corresponding machines (November, 1926).

PRINTED IN U. S. A.



## MACHINES OF CLASS 46K



MACHINE No. 46 K 34

NO.	DESCRIPTION	PRICE
46 K 34	<p>No. cancelled. Superseded by No. 46 K 48 Machine.</p> <p>Fitted with stitch regulator with indicator, friction feed motion and ball-bearing front feeding disc; single thread chain stitch. Balance wheel No. 95308. Diameter of belt groove <math>1\frac{7}{8}</math> inches.</p> <p>Head only.....</p> <p>Speed 1400. Cipher, AFFUM. See Form 9765.</p>	
46 K 35	<p>No. cancelled. Superseded by No. 46 K 49 Machine.</p> <p>Fitted with stitch regulator with indicator, friction feed motion and ball-bearing front feeding disc; single thread chain stitch. Balance wheel No. 95308. Diameter of belt groove <math>1\frac{7}{8}</math> inches.</p> <p>Head only.....</p> <p>Speed 1400. Cipher, AFGAK. See Form 9765.</p>	



MACHINES OF CLASS 46 K

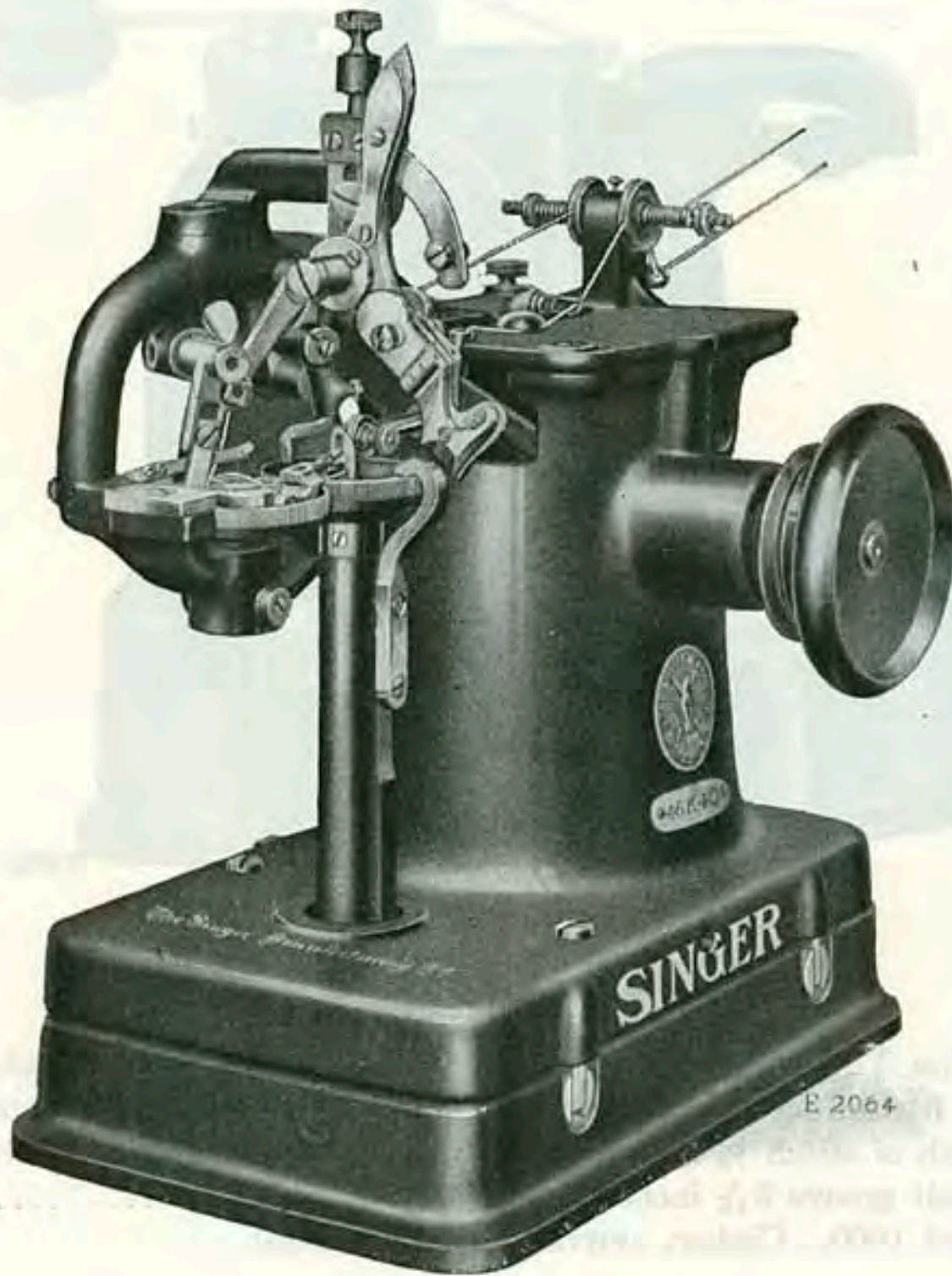


MACHINE No. 46 K 38

NO.	DESCRIPTION	PRICE
<b>46 K 38</b>	FOR TURNED SLIPPER WORK. Fitted with stitch regulator and friction feed motion. Single chain stitch only. Maximum length of stitch $\frac{1}{4}$ inch. Balance wheel No. 95442. Diameter of belt groove $3\frac{7}{16}$ inches. Head only..... Speed 1000. Cipher, AFHYR. See Form 9651.	



**MACHINES OF CLASS 46 K**  
**HIGH SPEED, FOR POWER**



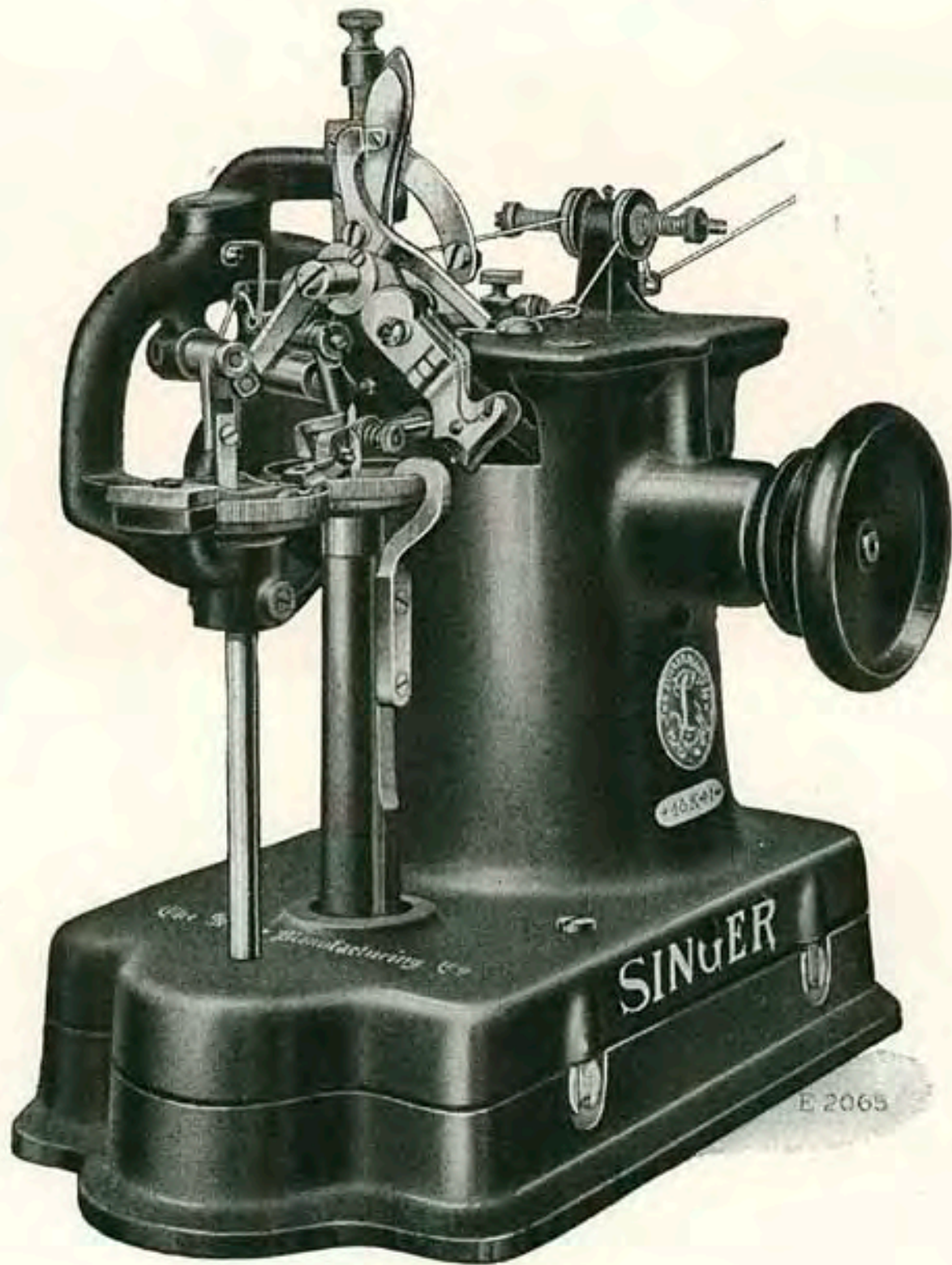
MACHINE NO. 46 K 40

NO.	DESCRIPTION	PRICE
<b>46 K 40</b>	<p>FOR SEAMING FASHIONED KNIT GOODS. Double chain stitch; has adjustable edge guide, positive feed mechanism, one feeding disc only, positively driven from crank shaft. Maximum length of stitch <math>\frac{1}{4}</math> inch, feeds from right to left. The feed gears supplied with this machine give approximately 7, 9, 11 and 13 stitches to the inch, but other gears to give approximately <math>4\frac{1}{2}</math>, <math>5\frac{1}{2}</math> and 18 stitches to the inch may be had if required. Balance wheel No. 92496. Diameter of belt groove <math>2\frac{1}{4}</math> inches. Head only. . . . .                      Speed 3000. Cipher, AFGEL. See Form 9371.</p>	

NOTE. When ordering state if wanted with knee or foot lifter.



MACHINES OF CLASS 46 K



MACHINE No. 46 K 41

NO.	DESCRIPTION	PRICE
46 K 41	HAS TWO FEEDING DISCS, both positively driven from the crank shaft, otherwise same as Machine No. 46 K 40. Head only Speed 3000. Cipher, AFGIM. See Form 9371.	

NOTE. When ordering, state if wanted with knee or foot lifter.



**46 K 48** FOR FINE FUR WORK. "Surjeteuse" or "Round Seam" stitch. Fitted with stitch regulator with indicator, friction feed, ball bearing front feeding disc and multiple pressure adjusting device. Single thread chain stitch. Balance wheel No. 95308. Diameter of belt groove  $1\frac{7}{8}$  inches. Head only.....  
 Speed 1800. Cipher, AFKAN.  
 Supersedes 46 K 34 Machine. (February, 1927).

**46 K 49** FOR GENERAL FUR WORK. "Surjeteuse" or "Round Seam" stitch. Fitted with stitch regulator with indicator, friction feed, ball bearing front feeding disc and multiple pressure adjusting device. Single thread chain stitch. Balance wheel No. 95308. Diameter of belt groove  $1\frac{7}{8}$  inches. Head only.....  
 Speed 1800. Cipher, AFKIP.  
 Supersedes 46 K 35 Machine. (February, 1927).



Machine No. 46 K 48

FIGURE

DESCRIPTION

NO.

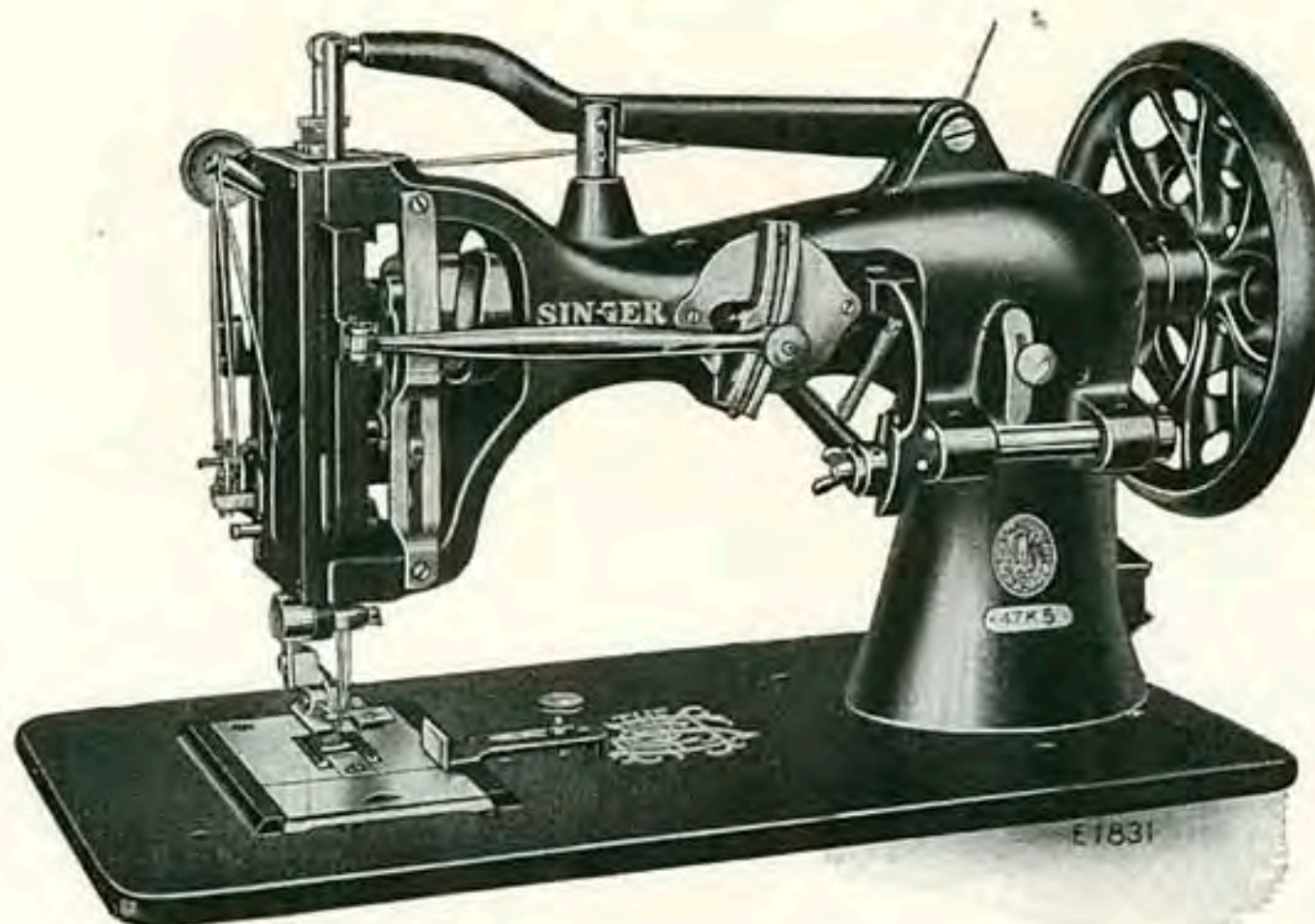
46 K 48 Has two bearings that positively drive the  
 front shaft, otherwise as Machine No. 46 K 49. Head only  
 Speed 1800. Cipher, AFKAN.  
 When ordered, also V. stand with base and feet.



## MACHINES OF CLASS 47 K

Machines of Class 47 K have been specially designed for Sail, Sack and Canvas Work. Straight or overseaming stitching; length of stitch  $\frac{3}{8}$  inch.

Bed  $20\frac{1}{2}$  inches long, 10 inches from needle to base of arm. Large cylinder shuttle, 4 inch shuttle race.



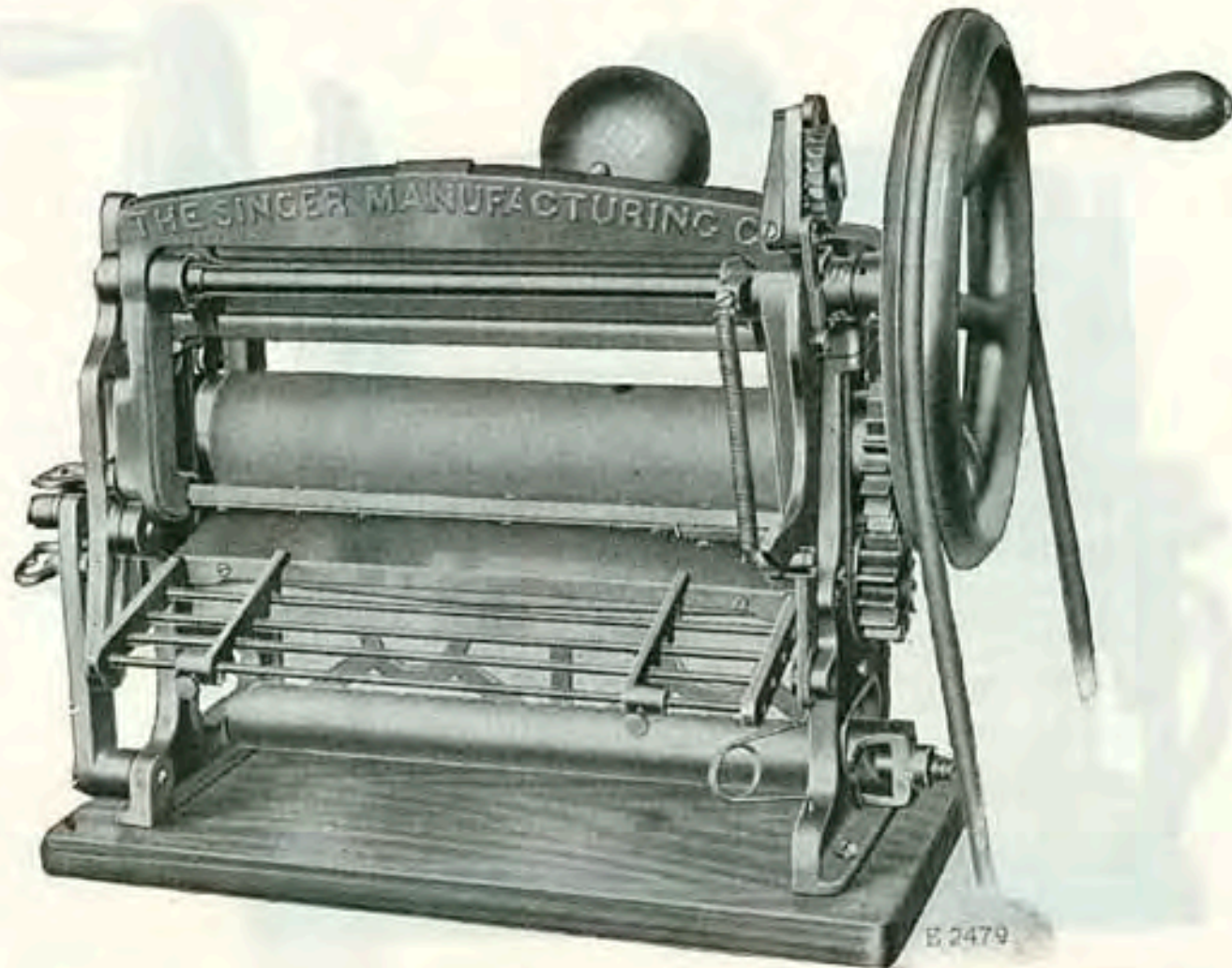
MACHINE NO. 47 K 5

NOTE. These machines are regularly fitted with a tight balance wheel but can be furnished with S. D. A. if so specified upon order. In ordering, state if for use on foot power stand or on power table.

NO.	DESCRIPTION	PRICE
<b>47 K 5</b>	FOR OVERSEAMING ON LIGHT SAIL, CANVAS AND COTTON MATERIAL. Has large cylinder shuttle (No. 92823) and 4 inch diameter shuttle race; top and bottom feed. Maximum throw of needle for overseaming $\frac{9}{32}$ inch. Balance wheel (two speed) No. 92795. Diameter of belt grooves $3\frac{1}{4}$ and $5\frac{3}{4}$ inches..... Speed 400. Cipher, AFJOP. See Form 9481.	



## MACHINES OF CLASS 49 K



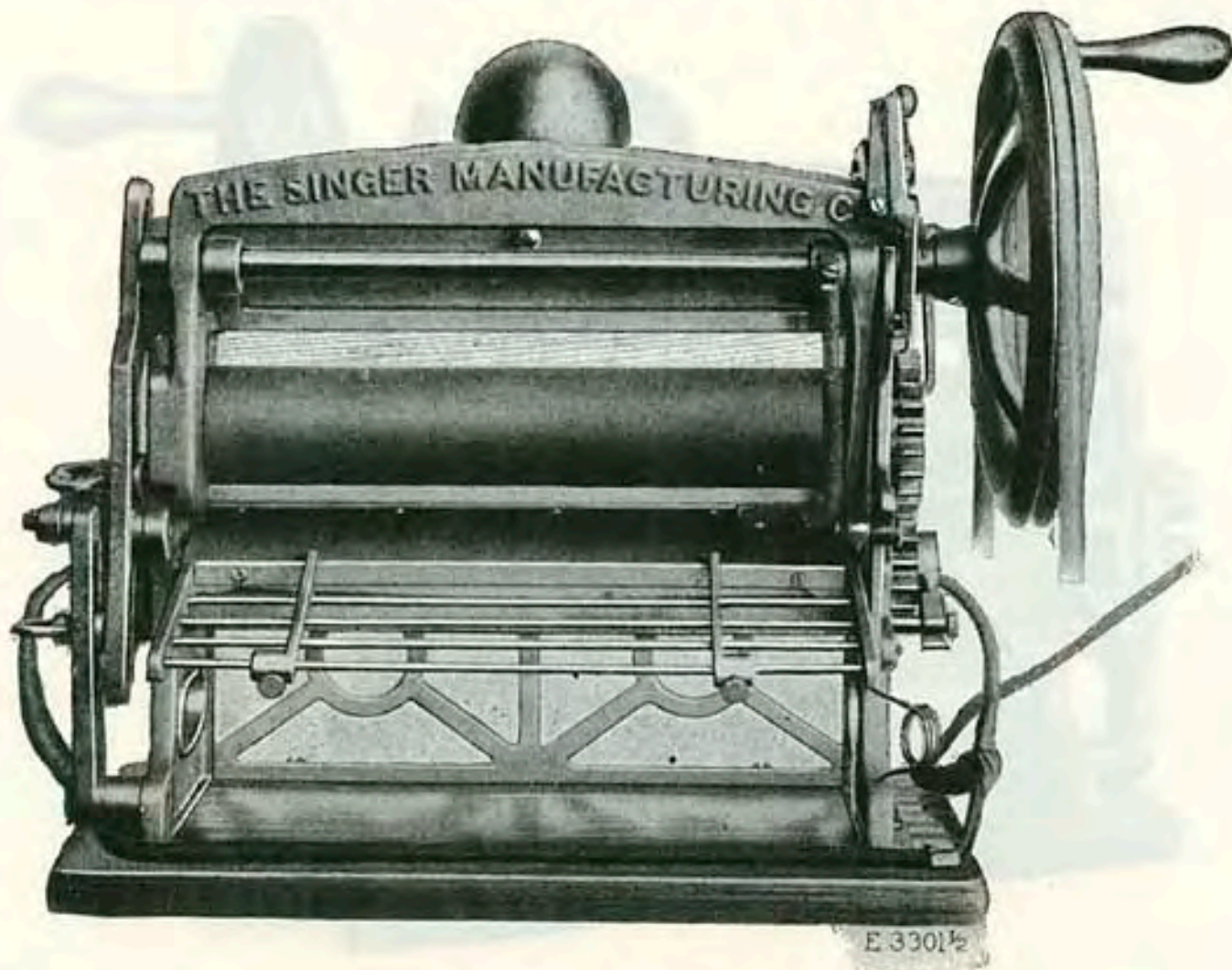
MACHINE NO. 49 K 1

The machines of Class 49 K are for kilting or plaiting aprons, blouses, shirt fronts, etc. The plaiting may be either continuous or alternate. By means of screw studs inserted in the ratchet spacing wheel, the tucking blade may be suspended at intervals while the feed rolls carry the material forward, thus producing groups of plaits followed by plain material. See Form 9602.

NO.	DESCRIPTION	PRICE
49 K 1	FOR PLAITING. Makes plaits from $\frac{1}{8}$ to $\frac{7}{8}$ inch, in material up to 10 inches in width ..... Speed 250. Cipher, AFMAP.	
49 K 2	FOR PLAITING. Makes plaits from $\frac{1}{16}$ to $\frac{7}{16}$ inch, in material up to 10 inches in width ..... Speed 250. Cipher, AFMER.	



MACHINES OF CLASS 49 K



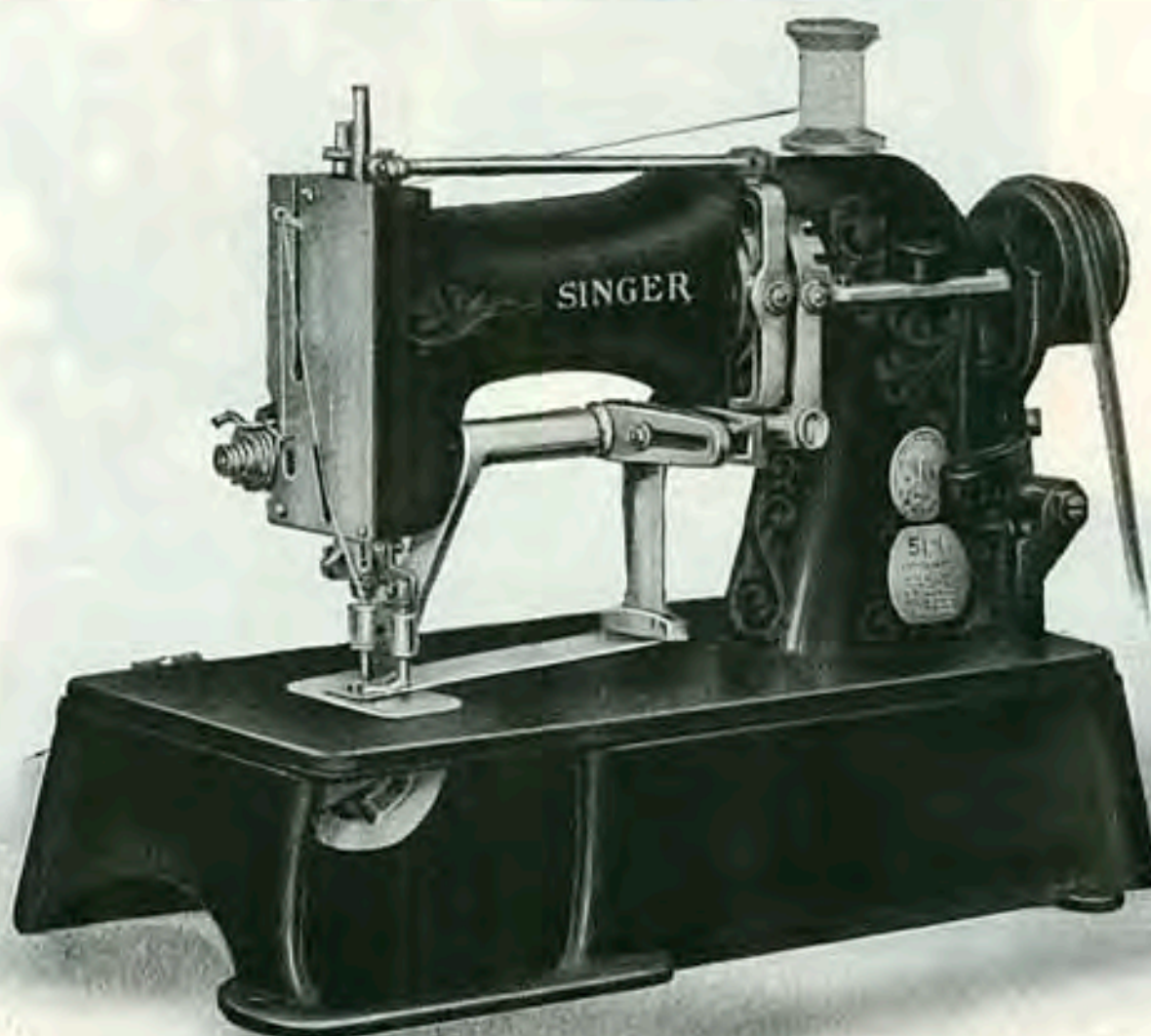
MACHINE No. 49 K 3

NO.	DESCRIPTION	PRICE
49 K 3	THIS IS THE 49 K 1 MACHINE fitted with electric heating device. The required voltage is to be stated on order ..... Cipher, AFMIS.	
49 K 4	THIS IS THE 49 K 2 MACHINE fitted with electric heating device. The required voltage is to be stated on order ..... Cipher, AFMOT.	



## MACHINES OF CLASS 51

For barring buttonholes, tacking shoes, clothing, etc. Makes stitches lengthwise the tack, which are afterward covered by shorter transverse ones. Automatic stop. Iron base. Foot lifter.  
Bobbin No. 2996. Speed 1200.



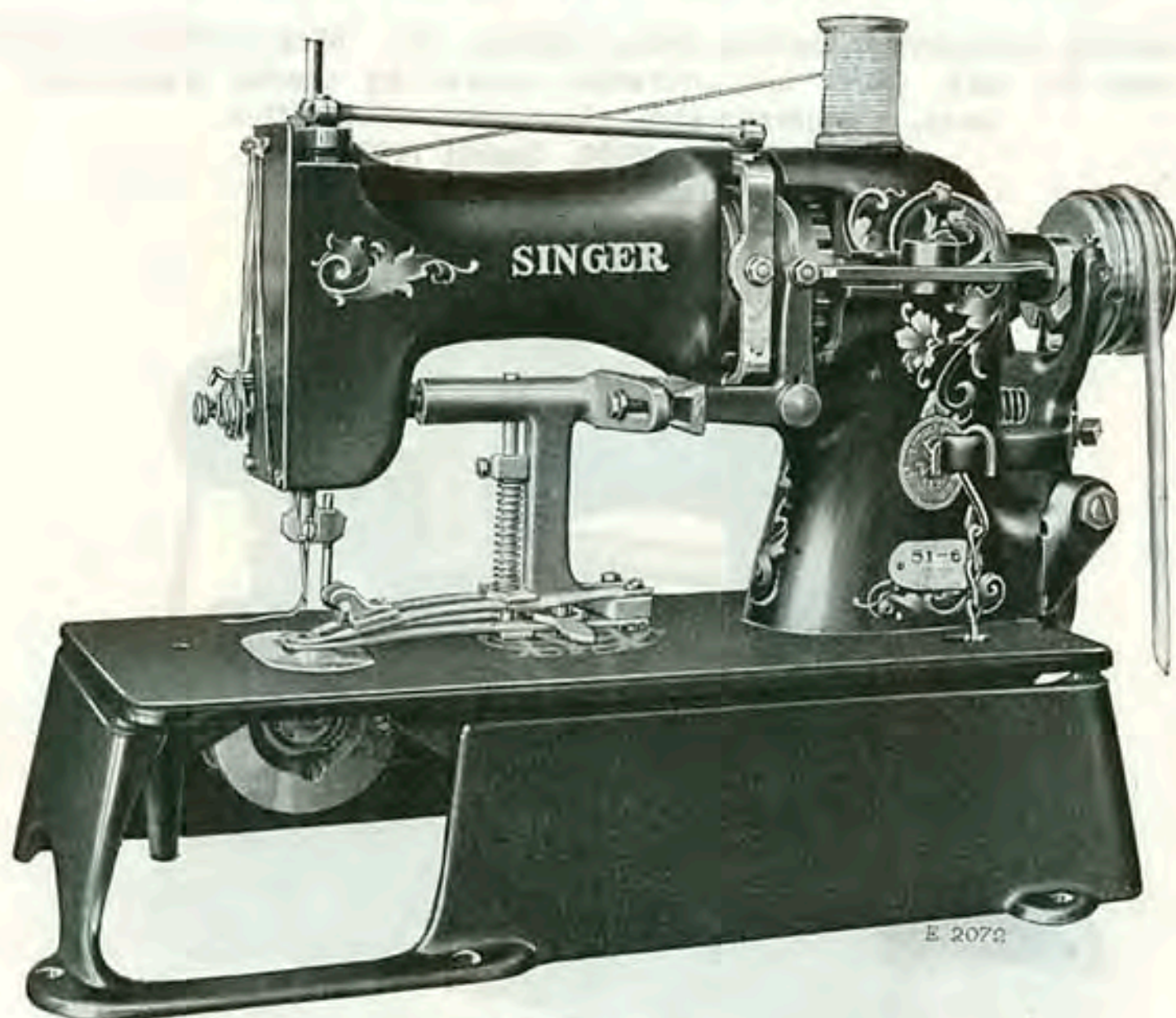
MACHINE No. 51-1

NO.	DESCRIPTION	PRICE
51-1	FOR MAKING BARS $\frac{1}{8}$ to $\frac{1}{4}$ inch long. Six long and ten cross stitches. Shuttle No. 15729. Pulley No. 14256. Diameter of belt groove $2\frac{3}{4}$ inches..... Cipher, EKJAS. Weight in lbs., 61 net, 93 gross. Cubic meas., 3 ft. 5 in.	
51-2	FOR MAKING TACKS $\frac{3}{16}$ to $\frac{3}{8}$ inch long. Six long and twelve cross stitches. Shuttle No. 15729. Pulley No. 14256. Diameter of belt groove $2\frac{3}{4}$ inches..... Cipher, EKJET. Weight in lbs., 62 net, 94 gross. Cubic meas., 3 ft. 5 in.	
51-3	FOR MAKING TACKS $\frac{1}{4}$ to $\frac{7}{16}$ inch long. Ten long and twenty-four cross stitches. Shuttle No. 15729. Pulley No. 14256. Diameter of belt groove $2\frac{3}{4}$ inches..... Cipher, EKJOW. Weight in lbs., 62 net, 94 gross. Cubic meas., 3 ft. 5 in.	
51-4	FOR SHOES. Makes tacks $\frac{3}{16}$ to $\frac{3}{8}$ inch long. Eight long and eight cross stitches in centre of tack. Shuttle No. 15729. Pulley No. 14256. Diameter of belt groove $2\frac{3}{4}$ inches..... Cipher, EKJUX. Weight in lbs., 64 net, 96 gross. Cubic meas., 3 ft. 5 in.	

NOTE. For Machines of Class 51- see Form 9045.



## MACHINES OF CLASS 51



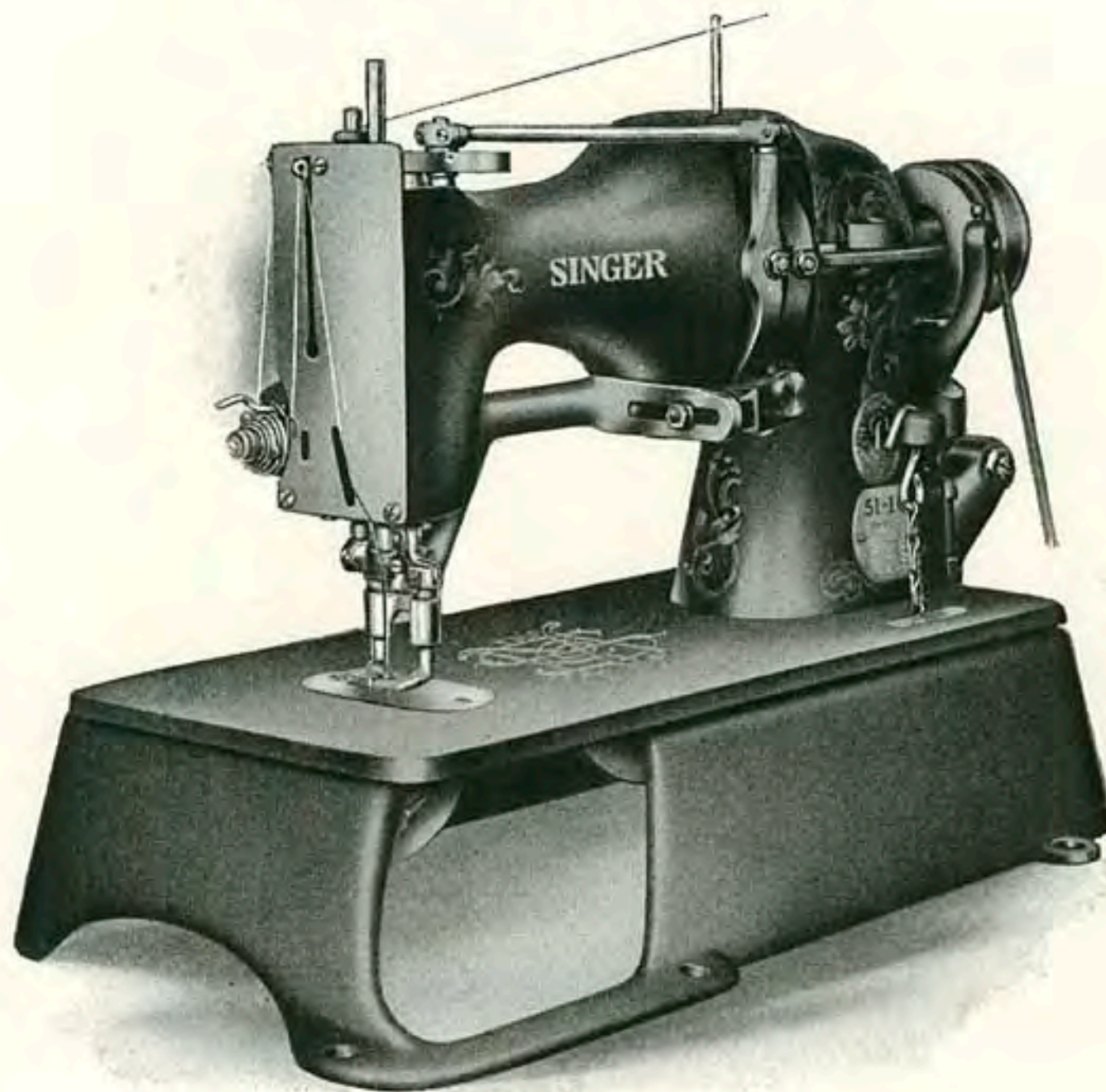
MACHINE No. 51-6

NO.	DESCRIPTION	PRICE
51-6	FOR MAKING BARS $\frac{1}{8}$ to $\frac{1}{4}$ inch long. Six long and twelve cross stitches; length of long and cross stitches adjustable. Has clamp for closing together and holding the ends of buttonholes while tacking. Shuttle No. 15729. Pulley No. 14256. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Cipher, EKKAT. Weight in lbs., 63 net, 95 gross. Cubic meas., 3 ft. 5 in.	
51-7	Differs from Machine No. 51-6 only in having clamp that does not close the end of buttonhole. Shuttle No. 15729 . . . . . Cipher, EKKEV. Weight in lbs., 63 net, 95 gross. Cubic meas., 3 ft. 5 in.	
51-8	FOR TACKING COAT AND TROUSER POCKETS, ETC. Makes tack $\frac{3}{16}$ to $\frac{5}{16}$ inch long; thirty-five stitches to complete tack. Shuttle No. 15729. Pulley No. 14256. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Cipher, EKKOX. Weight in lbs., 62 net, 94 gross. Cubic meas., 3 ft. 5 in.	
51-9	FOR MAKING TACKS $\frac{3}{8}$ to $\frac{5}{8}$ inch long; thirty-four stitches in complete tack. Heavy arm and large cam. Shuttle No. 15729. Pulley No. 14256. Diameter of belt groove $2\frac{3}{4}$ inches. . . . . Cipher, EKKUZ. Weight in lbs., 61 net, 93 gross. Cubic meas., 3 ft. 5 in.	

NOTE. For Machines of Class 51- see Form 9045.



MACHINES OF CLASS 51



MACHINE No. 51-10

NO.	DESCRIPTION	PRICE
51-10	<p>FOR TACKING DRAWER STRAPS, CLOTHING, ETC. Makes tack <math>\frac{5}{16}</math> to <math>\frac{3}{4}</math> inch long. Ten long stitches and thirty-five cross stitches. Shuttle No. 15729. Pulley No. 14256. Diameter of belt groove <math>2\frac{3}{4}</math> inches. . . . .</p> <p>Cipher, EKLAV.</p> <p>Weight in lbs., 68 net, 99 gross. Cubic meas., 3 ft. <math>\frac{5}{8}</math> in.</p>	

NOTE. For Machines of Class 51- see Form 9045.



# MACHINES OF CLASS 52

HIGH SPEED

Bed 14½ inches long, 6½ inches clear space at right of centre of needle bar.  
**Multiple needle. For simultaneously making a number of parallel rows of single thread chain stitching. Oscillating hooks.**



MACHINE No. 52-55

NOTE. The greatest distance between the two outside needles is 2¼ inches; the space between the outside needles will be divided into smaller spaces or gauges as ordered, except that none can be less than ⅛ inch. There can be no feeding surface between the needles WHEN GAUGES ARE NARROWER THAN ⅜ INCH. See Form 9321.

NO.	DESCRIPTION	PRICE
52-52	TWO NEEDLES, two hooks. Balance wheel No. 13796. Diameter of belt groove 2⅜ inches. Speed 3000. Cipher, EKVYM. Weight in lbs., 35 net, 66 gross. Cubic meas., 3 ft. 9 in.	
52-53	THREE NEEDLES, three hooks. Balance wheel No. 13796. Diameter of belt groove 2⅜ inches. Speed 3000. Cipher, EKVUJ. Weight in lbs., 36 net, 67 gross. Cubic meas., 3 ft. 9 in.	
52-54	FOUR NEEDLES, four hooks. Balance wheel No. 13796. Diameter of belt groove 2⅜ inches. Speed 3000. Cipher, EKZAH. Weight in lbs., 39 net, 70 gross. Cubic meas., 3 ft. 9 in.	

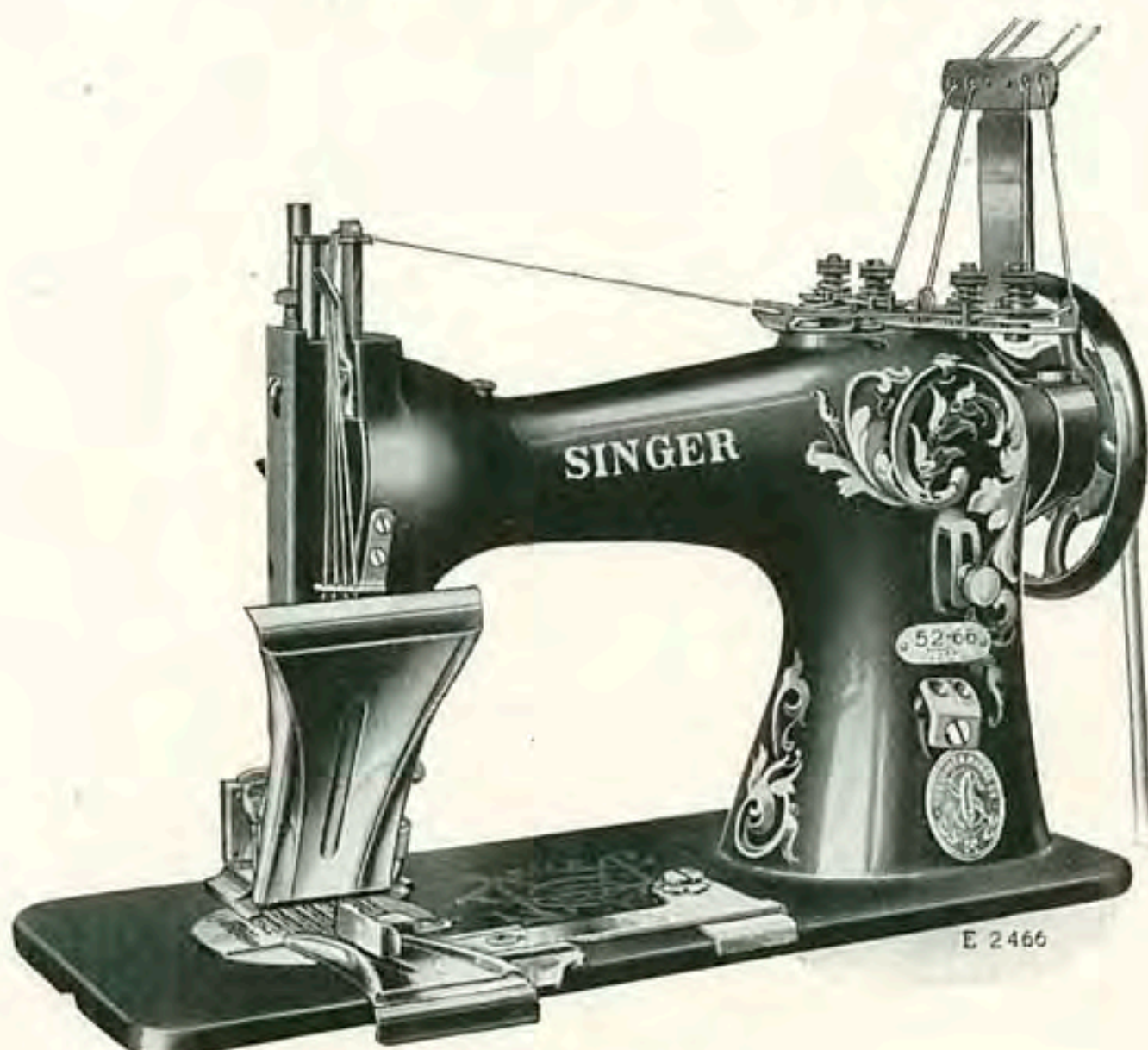


## MACHINES OF CLASS 52

NO	DESCRIPTION	PRICE
52-55	FIVE NEEDLES, five hooks. Balance wheel No. 13796. Diameter of groove $2\frac{3}{16}$ inches. Speed 3000. Cipher, EKZEJ. Weight in lbs., 42 net, 73 gross. Cubic meas., 3 ft. 9 in.	
52-56	SIX NEEDLES, six hooks. Balance wheel No. 13796. Diameter of belt groove $2\frac{3}{16}$ inches. Speed 3000. Cipher, EKZIK. Weight in lbs., 44 net, 75 gross. Cubic meas., 3 ft. 9 in.	
52-57	SEVEN NEEDLES, seven hooks. Balance wheel No. 13796. Diameter of belt groove $2\frac{3}{16}$ inches. Speed 3000. Cipher, EKZIL. Weight in lbs., 36 net, 67 gross. Cubic meas., 3 ft. 9 in.	
52-58	EIGHT NEEDLES, eight hooks. Balance wheel No. 13796. Diameter of belt groove $2\frac{3}{16}$ inches. Speed 3000. Cipher, EKZIM. Weight in lbs., 49 net, 80 gross. Cubic meas., 3 ft. 9 in.	
52-59	NINE NEEDLES, nine hooks. Balance wheel No. 13796. Diameter of belt groove $2\frac{3}{16}$ inches. Speed 3000. Cipher, EKZIN. Weight in lbs., 51 net, 82 gross. Cubic meas., 3 ft. 9 in.	
52-60	TEN NEEDLES, ten hooks. Balance wheel No. 13796. Diameter of belt groove $2\frac{3}{16}$ inches. Speed 3000. Cipher, EKZIO. Weight in lbs., 53 net, 88 gross. Cubic meas., 3 ft. 9 in.	
52-62	TWELVE NEEDLES, twelve hooks. Balance wheel No. 13796. Diameter of belt groove $2\frac{3}{16}$ inches. Speed 3000. Cipher, EKZIR. Weight in lbs., 38 net, 69 gross. Cubic meas., 3 ft. 9 in.	



MACHINES OF CLASS 52



MACHINE No. 52-66

NO.	DESCRIPTION	PRICE
52-66	<p>FOR FOLDING THE RAW EDGES OF BUTTONHOLE FACINGS AND LININGS and stitching them upon knit undershirts in one operation. Four needles, four hooks. Has upper and under strip folders that can be thrown out of use; foot lifter and tape reels. Balance wheel No. 13796. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . . Speed 2400. Cipher, EKZIV. See Form 9397. Weight in lbs., 45 net, 76 gross. Cubic meas., 3 ft. 9 in.</p>	

This machine will be carried in stock in the following gauges:

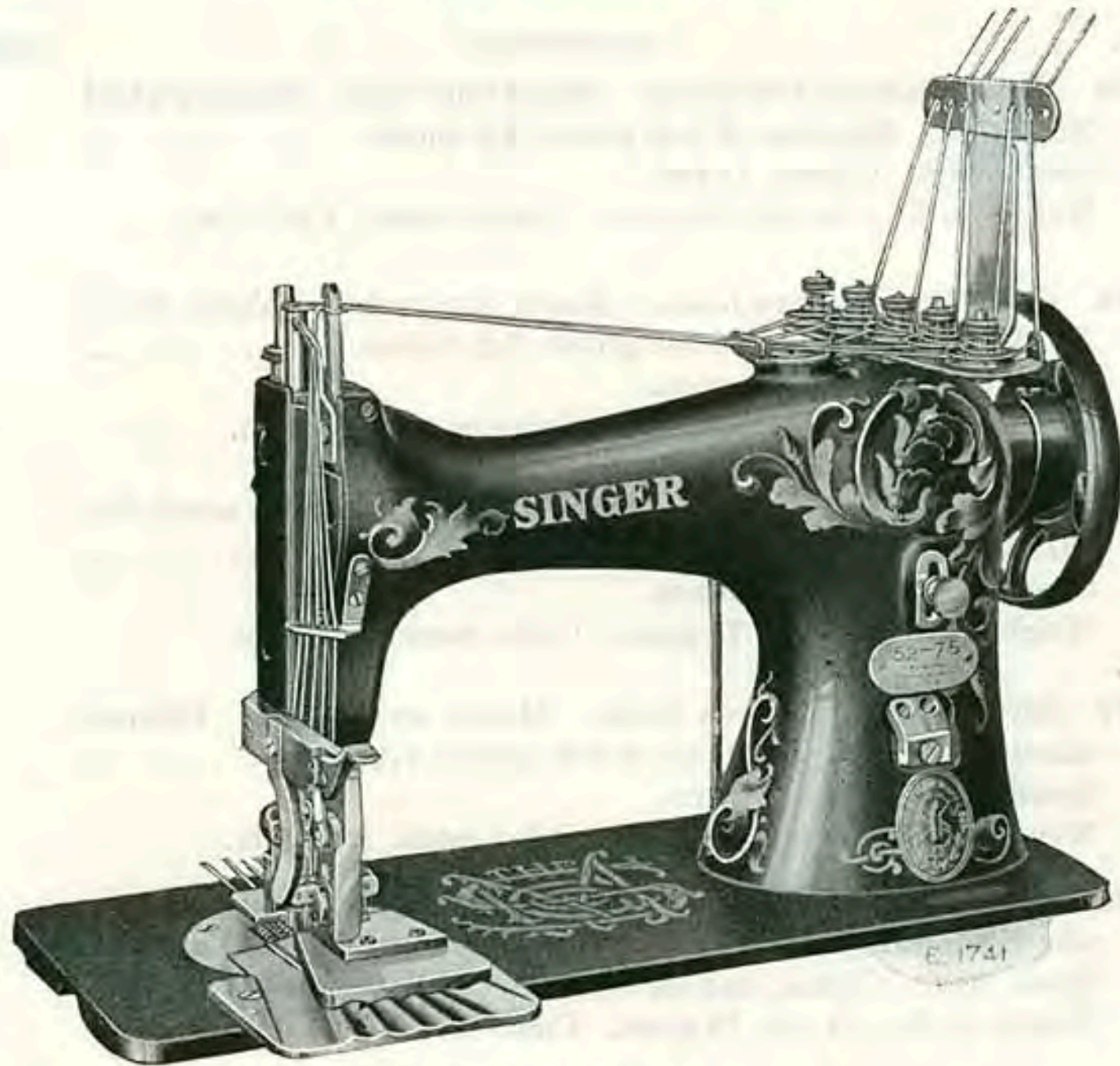
- $\frac{3}{16}$ —1— $\frac{3}{16}$  in.     $\frac{3}{16}$ —1 $\frac{1}{4}$ — $\frac{3}{16}$  in.     $\frac{1}{4}$ —1— $\frac{1}{4}$  in.
- $\frac{1}{4}$ —1 $\frac{1}{8}$ — $\frac{1}{4}$  in.     $\frac{1}{4}$ —1 $\frac{1}{4}$ — $\frac{1}{4}$  in.

52-67	<p>FOR CLOSING AND TAPING THE HEEL SEAMS OF SHOE LININGS in one operation. Three needles, three hooks, gauges <math>\frac{1}{8}</math> to <math>\frac{3}{8}</math> inch. Has tape guiding foot and adjustable lap seam guide. Balance wheel No. 13796. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . . Speed 3000. Cipher, EKZIW. See Form 9429. Weight in lbs., 38 net, 69 gross. Cubic meas., 3 ft. 9 in.</p>	
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NOTE. Strip Folding Foot No. 31661, for folding the taping while stitching can be furnished with Machine No. 52-67 at an additional cost of net.



## MACHINES OF CLASS 52



MACHINE NO. 52-75

Machines Nos. 52-73 to 52-80 are Nos. 52-53 to 52-60 with the addition to each of an automatic tuck folder upon the machine bed, in front of the needles, whereby a number of tucks, equal to the number of needles in the machine, can be folded and stitched at the same time.

Machines will be made to any required gauge within the limits given in description of machines of Class 52.

Tucks may be made the full width of the distance between each pair of needles or a tuck and space in the same distance; the sizes of tucks and spaces must be specified upon the order for the machine.

By removing the needles the spaces can be changed to form separate clusters of tucks, or one or more separate tucks of the same width, but for this purpose extra upper and lower plates will be necessary for each style desired.

These plates can be supplied with machines when so ordered or fitted to machines if sent to the factory for the purpose.

NO.	DESCRIPTION	PRICE
52-73	THREE NEEDLES, three hooks. Makes three tucks. Balance wheel No. 13796. Diameter of belt groove $2\frac{3}{8}$ inches. . . . . Speed 3000. Cipher, EKZOC. Weight in lbs., 38 net, 69 gross. Cubic meas., 3 ft. 9 in.	



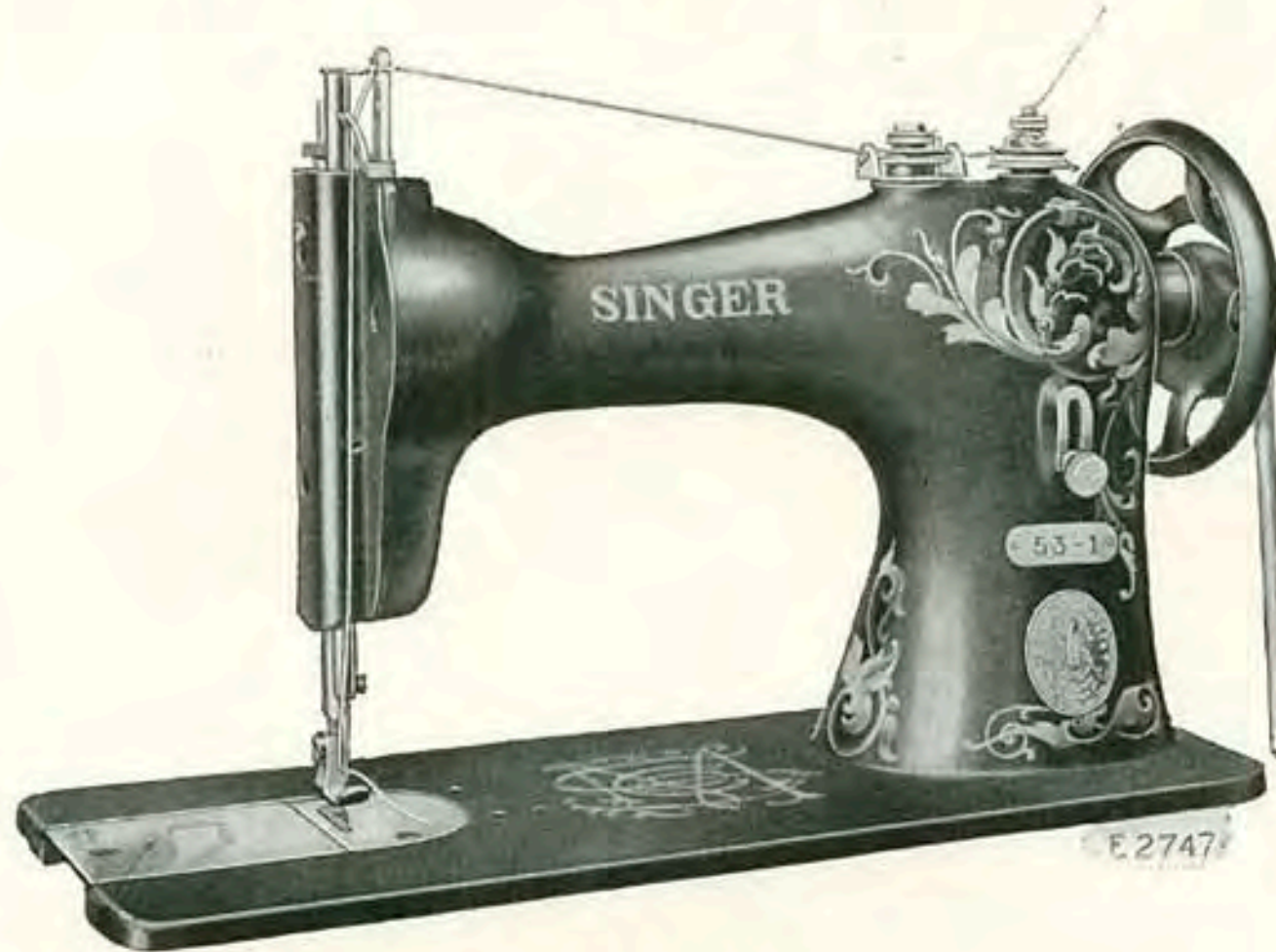
## MACHINES OF CLASS 52

NO.	DESCRIPTION	PRICE
52-74	<p>FOUR NEEDLES, four hooks. Makes four tucks. Balance wheel No. 13796. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 3000. Cipher, EKZOD.</p> <p>Weight in lbs., 41 net, 72 gross. Cubic meas., 3 ft. 9 in.</p>	
52-75	<p>FIVE NEEDLES, five hooks. Makes five tucks. Balance wheel No. 13796. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 3000. Cipher, EKZOL.</p> <p>Weight in lbs., 43 net, 73 gross. Cubic meas., 3 ft. 9 in.</p>	
52-76	<p>SIX NEEDLES, six hooks. Makes six tucks. Balance wheel No. 13796. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 3000. Cipher, EKZOM.</p> <p>Weight in lbs., 44 net, 75 gross. Cubic meas., 3 ft. 9 in.</p>	
52-77	<p>SEVEN NEEDLES, seven hooks. Makes seven tucks. Balance wheel No. 13796. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 3000. Cipher, EKZYP.</p> <p>Weight in lbs., 50 net, 78 gross. Cubic meas., 3 ft. 9 in.</p>	
52-78	<p>EIGHT NEEDLES, eight hooks. Makes eight tucks. Balance wheel No. 13796. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 3000. Cipher, ELBAB.</p> <p>Weight in lbs., 51 net, 79 gross. Cubic meas., 3 ft. 9 in.</p>	
52-79	<p>NINE NEEDLES, nine hooks. Makes nine tucks. Balance wheel No. 13796. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 3000. Cipher, ELBAC.</p> <p>Weight in lbs., 50 net, 78 gross. Cubic meas., 3 ft. 9 in.</p>	
52-80	<p>TEN NEEDLES, ten hooks. Makes ten tucks. Balance wheel No. 13796. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 3000. Cipher, ELBAD.</p> <p>Weight in lbs., 53 net, 88 gross. Cubic meas., 3 ft. 9 in.</p>	



## MACHINES OF CLASS 53

Bed  $14\frac{1}{2}$  inches long; clear space at right of needle  $6\frac{1}{2}$  inches. One needle.  
Oscillating hook. Single thread chain stitch.



MACHINE No. 53-1

NO.	DESCRIPTION	PRICE
53-1	FOR CLOTH. Drop feed. Balance wheel No. 13503. Diameter of belt groove $2\frac{5}{16}$ inches..... Speed 2400. Cipher, ELBAL. Weight in lbs., 33 net, 54 gross. Cubic meas., 3 ft. 9 in.	
53-3	FOR BAG SEWING. Length of stitch up to $\frac{1}{4}$ inch, drop feed. Balance wheel No. 13503. Diameter of belt groove $2\frac{5}{16}$ inches.... Speed 1800. Cipher, ELBIN. Weight in lbs., 35 net, 68 gross. Cubic meas., 3 ft. 9 in.	



## MACHINES OF CLASS 55

Bed 18 inches long;  $10\frac{1}{8}$  inches clear space at right of needle. Two thread chain stitch except as otherwise described. Knee lifter.



MACHINE No. 55-3

NO	DESCRIPTION	PRICE
55-3	<p>FOR STITCHING BAGS WITH TWINE OR VERY COARSE THREAD. Makes stitch <math>\frac{5}{32}</math> to <math>\frac{3}{8}</math> inch long; one needle, one looper. Has loopers and throat plates for single and double chain stitch. Drop feed. Balance wheel No. 4388. Diameter of belt groove <math>2\frac{3}{4}</math> inches. . . . . Speed 2500. Cipher, ELCOP. See Form 9047. Weight in lbs., 62 net, 97 gross. Cubic meas., 3 ft. 6 in.</p>	
55-4	<p>FOR STITCHING BAGS WITH TWINE OR VERY COARSE THREAD. Two needles, two loopers, gauges <math>\frac{7}{16}</math> to <math>1\frac{1}{4}</math> inches; stitch <math>\frac{5}{32}</math> to <math>\frac{3}{8}</math> inch long. Has loopers and throat plates for single and double thread chain stitch. Drop feed. Balance wheel No. 4388. Diameter of belt groove <math>2\frac{3}{4}</math> inches. . . . . Speed 2500. Cipher, ELCUR. Weight in lbs., 64 net, 99 gross. Cubic meas., 3 ft. 6 in.</p>	
55-5	<p>FOR BASTING CLOTHING, ETC. One needle, one looper; single thread chain stitch from <math>\frac{1}{4}</math> to <math>\frac{1}{2}</math> inch long. Drop feed. Balance wheel No. 4388. Diameter of belt groove <math>2\frac{3}{4}</math> inches. . . . . Speed 2500. Cipher, ELCYS. See Form 9311. Weight in lbs., 64 net, 99 gross. Cubic meas., 3 ft. 6 in.</p>	

NOTE. Regularly fitted with compensating presser foot No. 20925, for edge stitching on heavy material.



MACHINES OF CLASS 55



MACHINE No. 55-6

NO.	DESCRIPTION	PRICE
55-6	<p>FOR STITCHING COST MARKS OR OTHER TICKETS UPON CLOTHING                      Makes stitch <math>\frac{5}{8}</math> to <math>\frac{3}{8}</math> inch long. One needle, one looper; single thread chain stitch, stop motion. Drop feed. The number of stitches is controlled by the pressure of the operator's foot on the treadle, the machine coming to a full stop with the needle at its highest point as soon as the pressure is released. Pulley No. 18335. Diameter of belt groove <math>2\frac{3}{4}</math> inches. . . . .                      Speed 1500. Cipher, ELCYT. See Form 9365.                      Weight in lbs., 64 net, 99 gross. Cubic meas., 3 ft. 6 in.</p>	



## MACHINES OF CLASS 56

Cylinder Bed  $2\frac{1}{2}$  inches in diameter;  $7\frac{3}{8}$  inches clear space from needle to base of arm. Central bobbin. Link take-up. Foot lifter. Bobbin No. 19131



MACHINE No. 56-4

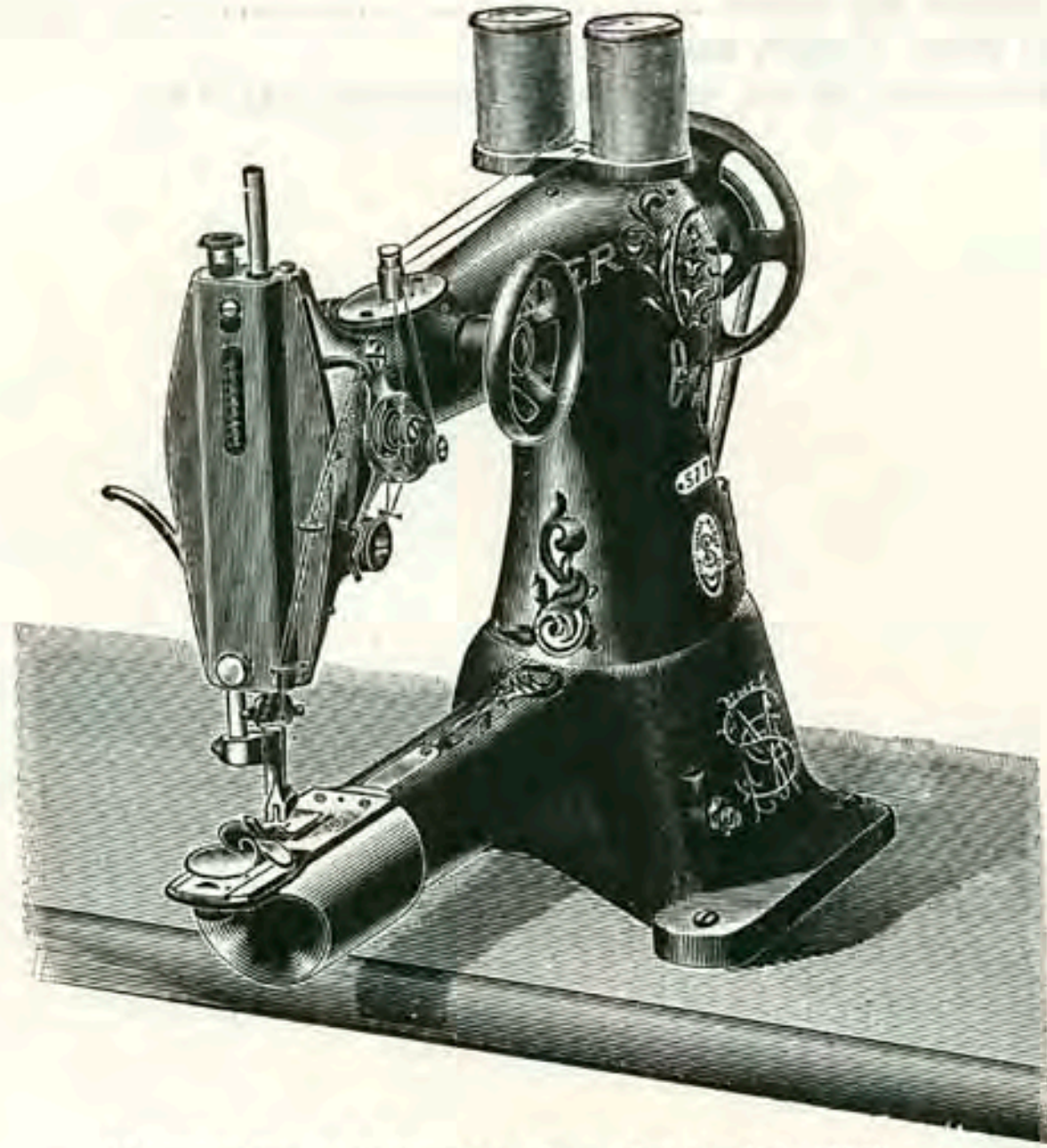
The machines of Class 56 are used for many different processes in shoe work and other manufacture of leather; also for closing shirts, seaming trousers, sleeves, etc. They can be fitted with lap seam fellers, hemmers, etc., of different sizes as required. See Form 9048.

NO.	DESCRIPTION	PRICE
<b>56-4</b>	<p>FOR SIMULTANEOUSLY STITCHING THE EDGES AND UNDER TRIMMING THE LININGS OF SHOES, SANDAL SLIPPERS, ETC.; also for trimming Oxford shoes after the front and back seams are closed. Has oblique under edge trimmer with suspended protecting guide for the upper edge and knife disengaging device operated by the knee or by the presser bar lifter. Shuttle No. 20758. Drop feed across the arm. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 1600. Cipher, ELFEP.</p> <p>Weight in lbs., 52 net, 81 gross. Cubic meas., 3 ft. 4 in.</p> <p>See also Machines Nos. 31-40, 31-41, 44-26 and 44-27.</p> <p><small>NOTE. Orders for Machine No. 56-4 should state whether they are for men's or women's shoes, oxford shoes or sandal slippers.</small></p>	
<b>56-13</b>	<p>FOR CLOTH. One needle, drop feed across the arm; feed at right of needle. Shuttle No. 20758. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 2000. Cipher, ELFOS.</p> <p>Weight in lbs., 53 net, 82 gross. Cubic meas., 3 ft. 4 in.</p>	
<b>56-14</b>	<p>FOR CLOTH. One needle, drop feed across the arm; feet at left of needle. Shuttle No. 20758. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 2000. Cipher, ELFUT.</p> <p>Weight in lbs., 52 net, 81 gross. Cubic meas., 3 ft. 4 in.</p>	



# MACHINES OF CLASS 57

Cylinder Bed 2½ inches diameter; 10¼ inches clear space from needle to base of arm.  
 Central bobbin. Link take-up. Hand wheel on side of arm. Foot lifter.  
 Bobbin No. 19131.



MACHINE NO. 57-2 WITH LAP SEAM FELLER NO. 25353

The machines of Class 57 differ from those of Class 56 in being three inches longer, and having a hand wheel on the side of the arm. See Form 9048.

NO.	DESCRIPTION	PRICE
57-2	<p>FOR CLOTH. Two needles, two shuttles Nos. 20531 and 20532; widest gauge <math>\frac{5}{16}</math> inch, narrowest gauge <math>\frac{1}{32}</math> inch. Drop feed up the arm. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. Speed 2000. Cipher, ELHAS.                      Weight in lbs., 60 net, 89 gross. Cubic meas., 3 ft. 4 in.</p>	
<p>NOTE. The lap seam feller is furnished with No. 57-2 machine only when so ordered and at an additional price of net.</p>		
57-3	<p>FOR CLOTH. One needle, shuttle No. 20758; drop feed up the arm, feed both sides of the needle. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. Speed 2000. Cipher, ELHET.                      Weight in lbs., 58 net, 87 gross. Cubic meas., 3 ft. 4 in.</p>	
57-4	<p>FOR CLOTHING, ETC. One needle, shuttle No. 20758; has extended throat plate for use with universal felling attachment. Drop feed up the arm. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{16}</math> inches. Speed 2000. Cipher, ELHIV.                      Weight in lbs., 56 net, 85 gross. Cubic meas., 3 ft. 4 in.</p>	



## MACHINES OF CLASS 57

NO.	DESCRIPTION	PRICE
57-14	<p>FOR CLOTH. One needle, shuttle No. 20758; drop feed across the arm, feed at left of needle. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{8}</math> inches.....</p> <p>Speed 2000. Cipher, ELHOW.</p> <p>Weight in lbs., 55 net, 84 gross. Cubic meas., 3 ft. 4 in.</p>	



Machine No. 57-14 with the new balance No. 12358

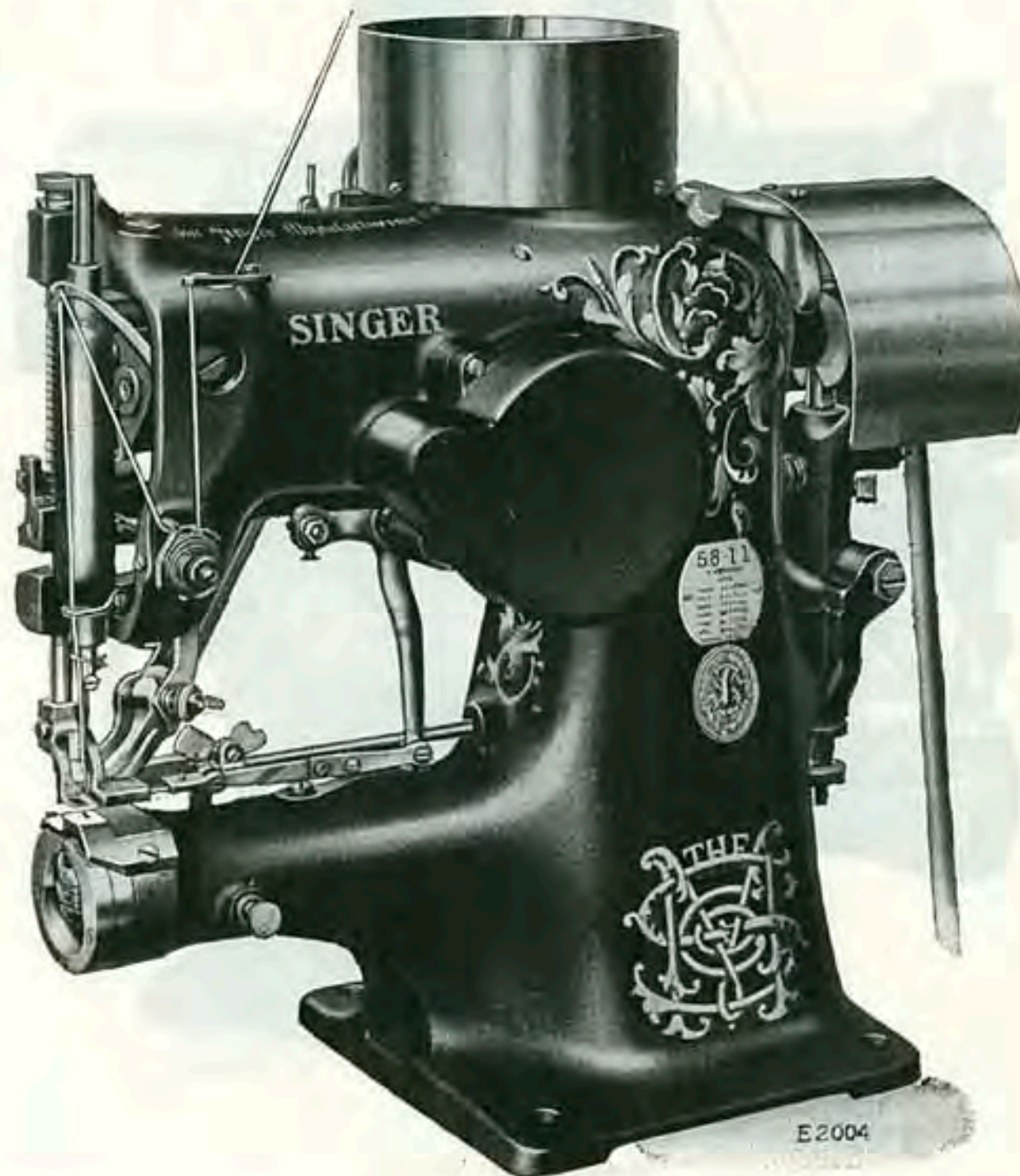
The machines of Class 57 differ from those of Class 56 in being fixed length and having a hand wheel on the side of the arm. See Form 5018.

NO.	DESCRIPTION	PRICE
57-2	<p>FOR CLOTH. Two needles, two shuttles Nos. 20551 and 20552; wheel gauge <math>\frac{1}{4}</math> inch, narrowest gauge <math>\frac{1}{8}</math> inch. Drop feed on the arm. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{1}{2}</math> inches. Speed 2000. Cipher, ELHOW.</p> <p>Weight in lbs., 60 net, 85 gross. Cubic meas., 3 ft. 4 in.</p> <p>Note: For use with table is furnished with No. 57-2 machine only when ordered and at an additional price of \$1.00.</p>	
57-3	<p>FOR CLOTH. One needle, shuttle No. 20758; drop feed on the arm, feed both sides of the needle. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{8}</math> inches. Speed 2000. Cipher, ELHOW.</p> <p>Weight in lbs., 55 net, 84 gross. Cubic meas., 3 ft. 4 in.</p>	
57-4	<p>FOR CLOTH. One needle, shuttle No. 20758; has extended throat plate for use with universal falling attachment. Drop feed on the arm. Balance wheel No. 12358. Diameter of belt groove <math>2\frac{3}{8}</math> inches. Speed 2000. Cipher, ELHOW.</p> <p>Weight in lbs., 55 net, 85 gross. Cubic meas., 3 ft. 4 in.</p>	



## MACHINES OF CLASS 58

For sewing shank buttons upon leggings, overgaiters, shoes, etc. Has foot lifter, automatic stop and bobbin No. 2996.



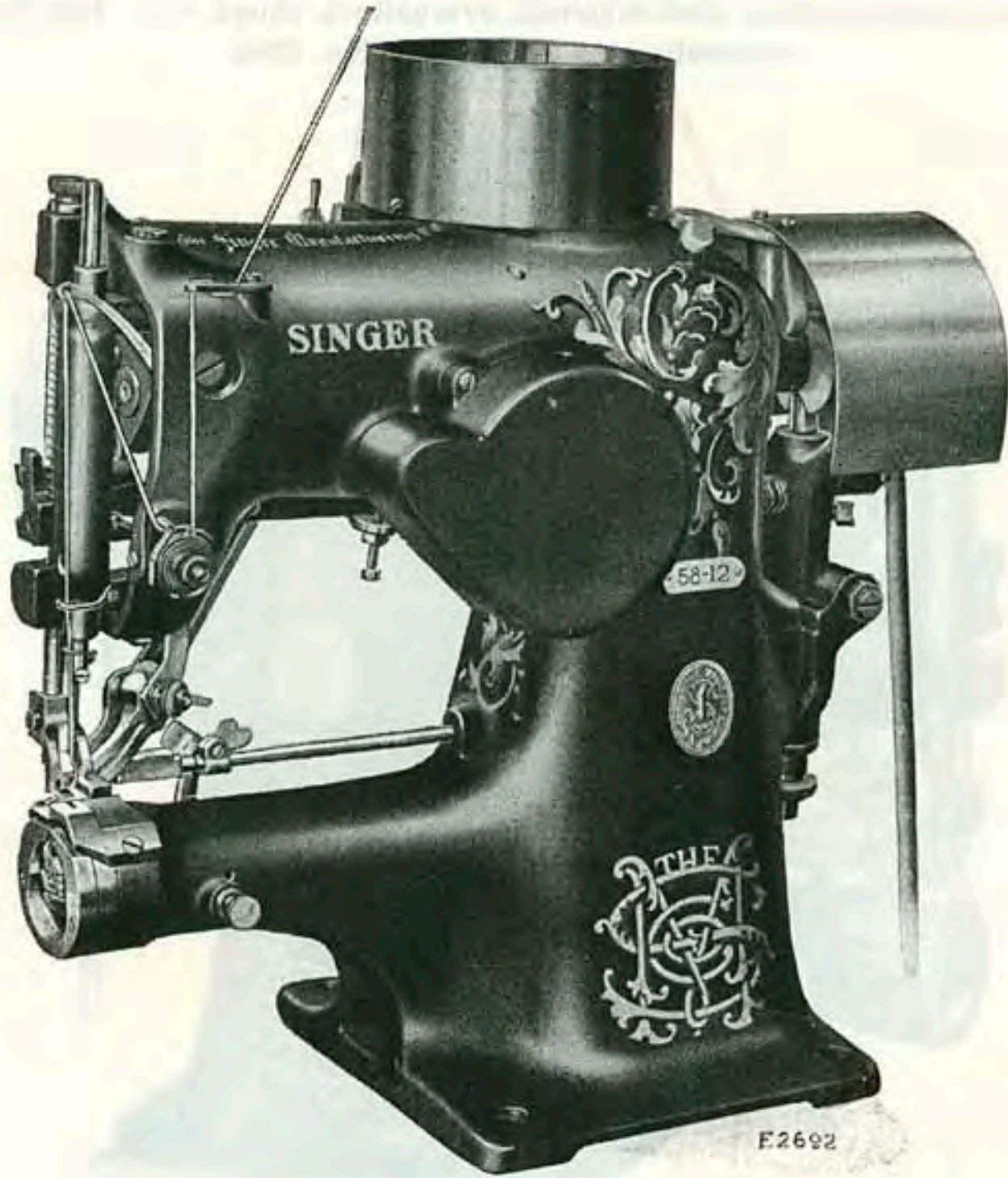
MACHINE No. 58-11

The buttons are placed in a hooper on the arm of the machine and are automatically delivered, one at a time, in correct position to be sewed fast to the work; as the lock stitch is used, the removal or loss of one button does not effect the security of any of the others. Speed 1200.

NO.	DESCRIPTION	PRICE
58-11	<p>FOR REGULAR AND MILO SHOE BUTTONS. Has automatic adjustable button carrier and automatic thread cutting device for cutting the needle thread. Makes fourteen stitches in the button shank and two fastening stitches. No stitches between buttons. Shuttle No. 43654. Pulley No. 43650. Diameter of belt groove <math>2\frac{1}{8}</math> inches.....</p> <p>Cipher, ELLAG. See Form 9359.</p> <p>Weight in lbs., 77 net, 111 gross. Cubic meas., 4 ft. 2 in.</p>	



MACHINES OF CLASS 58

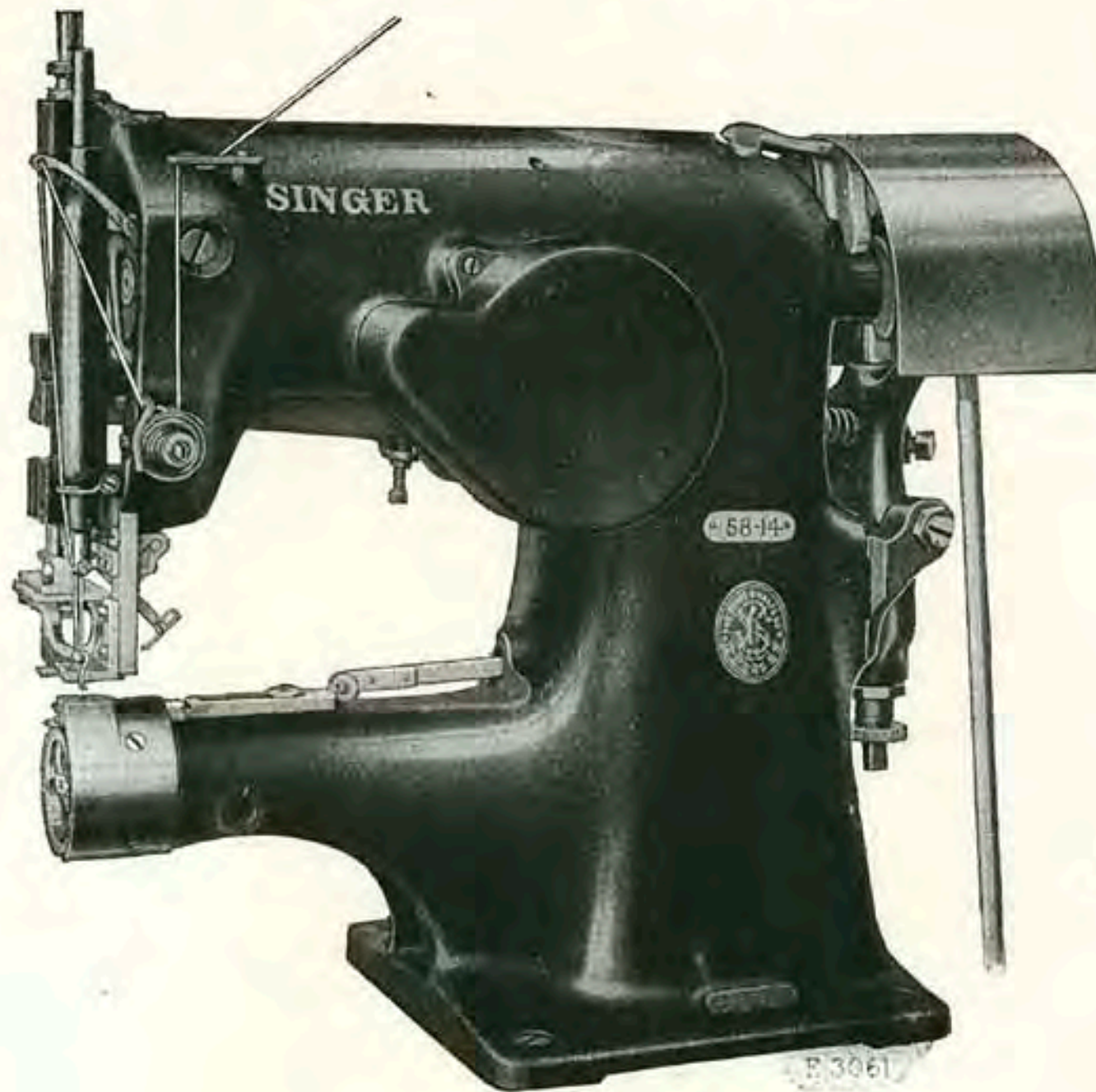


MACHINE No. 58-12

NO.	DESCRIPTION	PRICE
58-12	<p>FOR REGULAR AND MILO SHOE BUTTONS. Has automatic adjustable button carrier; no thread cutting device. Makes fourteen stitches in the button shank and two fastening stitches. No stitches between buttons. Shuttle No. 43654. Pulley No. 43650. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . .                      Cipher, ELLIZ. See Form 9452.                      Weight in lbs., 79 net, 112 gross. Cubic meas., 4 ft. 2 in.</p>	



MACHINES OF CLASS 58



MACHINE No. 58-14

NO.	DESCRIPTION	PRICE
58-14	<p>FOR SEWING MILITARY SHANK BUTTONS ON COATS, OVERCOATS, ETC. The machine is fitted with a retaining pawl that locks the stop motion to prevent the machine from stopping on the completion of the first revolution of the needle bar cam, the machine automatically stops on the completion of the second revolution of the needle bar cam and makes 24 stitches in the button shank and two fastening stitches. By removing the retaining pawl the machine will automatically stop on the completion of the first revolution of the needle bar cam and makes 12 stitches in the button shank and one fastening stitch. After each button is sewn on the garment the needle and bobbin threads are cut by the operation of the foot lifter. The machine is fitted with a universal button clamp for buttons up to <math>1\frac{3}{16}</math> inches in diameter, the button is held in the clamp by the shank. Shuttle No. 43654. Pulley No. 43650. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . .                      Speed 1200. Cipher, ELLYC. See Form 9508.                      Weight in lbs., 70 net, 106 gross. Cubic meas., 4 ft. 2 in.</p>	



**58-15 FOR REGULAR AND MILO SHOE BUTTONS.** Has automatic adjustable button carrier and automatic thread cutting and thread nipping device for cutting both the needle and bobbin threads and holding the ends until the first three stitches are made. Makes fourteen stitches in the button shank and two fastening stitches. No stitches between buttons. Shuttle No. 43654. Pulley No. 43650. Diameter of belt groove  $2\frac{13}{16}$  inches. . . . .  
 Cipher, ELMAX. See Form 9718.  
 Weight in lbs., 77 net, 110 gross. Cubic meas., 4 ft. 2 in.  
 Formerly 58 S. V. 13 Machine. (June, 1925).



MACHINE NO. 58-15

58-15 For Sewing Military Buttons or Civil Buttons. The machine is fitted with a winding pawl that holds the stop motion to prevent the machine from stopping on the return portion of the last revolution of the needle bar cam. The machine automatically stops on the completion of the second revolution of the needle bar cam and makes 14 stitches in the button shank and two fastening stitches. By retaining the winding pawl the machine will automatically stop on the completion of the first revolution of the needle bar cam and make 13 stitches in the button shank and one fastening stitch. After each button is sewn on the garment the needle and bobbin threads are cut by the operation of the foot lever. The machine is fitted with a universal button clamp for buttons up to 1 1/2 inches in diameter. The button is held in the clamp by the clamp. Shuttle No. 43654. Pulley No. 43650. Diameter of belt groove 2 13/16 inches. . . . .  
 Cipher, ELMAX. See Form 9718.  
 Weight in lbs., 77 net, 110 gross. Cubic meas., 4 ft. 2 in.



## MACHINES OF CLASS 59

No bed plate. All sewing and feed mechanism is contained in the arm head, which is adjustable to different positions as desired. Stitches from  $\frac{3}{32}$  to  $\frac{1}{4}$  inch with guide, or to  $1\frac{1}{8}$  inch without guide from the edge.  
Needle feed. Bobbin No. 8004.



E 2758

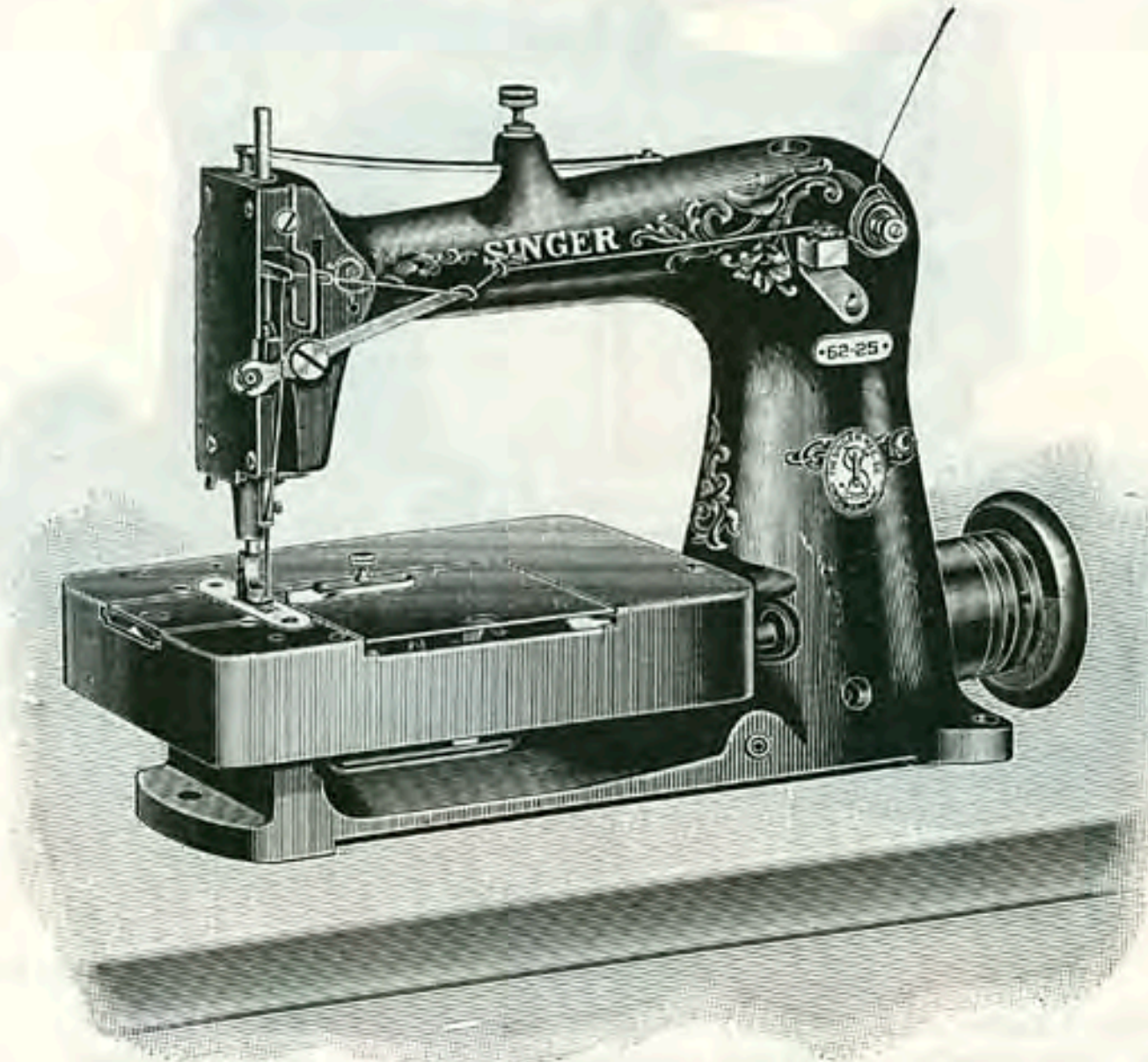
MACHINE No. 59-1 ON STAND No. 25242  
(For List Price of Stand see Form 8801)

NO.	DESCRIPTION	PRICE
59-1	FOR BINDING BRIMS OF STIFF FELT HATS. Shuttle No. 23289. Balance wheel (two speed) No. 3011. Diameter of belt grooves 3 and 5 inches. Head only..... Cipher, ELKYB. Weight in lbs., 52 net, 75 gross. Cubic meas., 2 ft. 10 in.	
NOTE. A binder for soft hats, No. 36455, price net, and needle plate No. 26631, price net, can be furnished if desired. See Form 9050.		



## MACHINES OF CLASS 62

8<sup>3</sup>/<sub>4</sub> inches clear working space at right of centre of needle bar. Two thread chain stitch. Knee or foot lifter.



MACHINE NO. 62-25

These are high speed machines having one or more loopers that carry the under thread, which, in combination with the upper thread, forms a smooth, perfect stitch on the upper surface, and a two-thread, or double chain on the under surface.

All threads lead directly to the needles and loopers from large spools or cones that are placed on the spool stand or unwinder.

The quantity of fine stitching produced by the machines of Class 62 is surprising to one not familiar with their use.

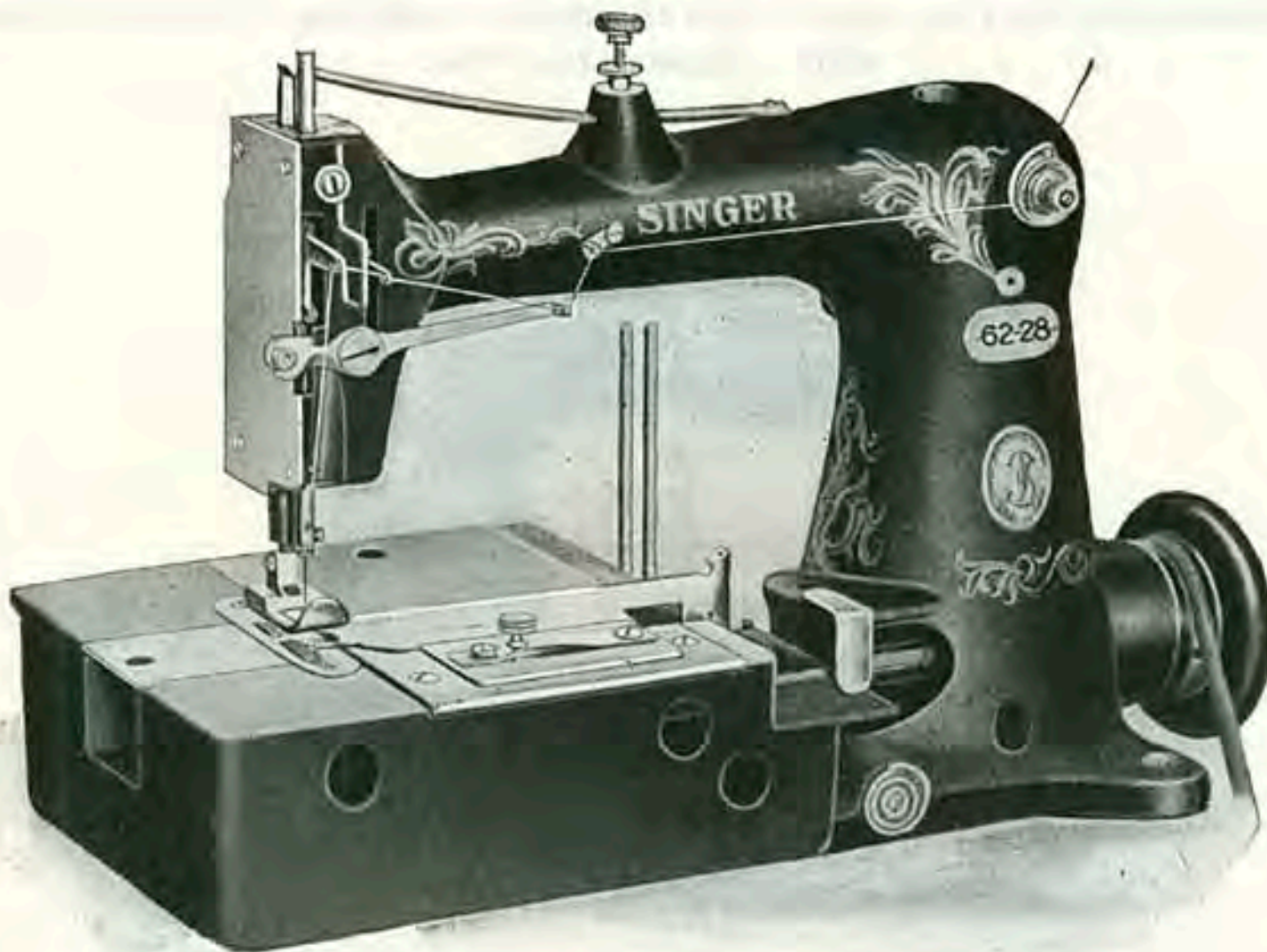
NO.	DESCRIPTION	PRICE
62-25	FOR PLAIN STITCHING UPON LIGHT AND MEDIUM WEIGHT FABRICS; also closing linings and stitching top facings on shoes. One needle, one looper. Balance wheel No. 23873. Diameter of belt groove 2 <sup>1</sup> / <sub>8</sub> inches. . . . . Speed 2800. Cipher, ELMUC. See Form 9143. Weight in lbs., 54 net, 86 gross. Cubic meas., 3 ft. 4 in.	

NOTE. This machine will be fitted regularly for general work in light and medium weight fabrics. If required either for closing linings or stitching top facings, it must be so stated on the order.

62-26	FOR CLOSING SHOES. One needle, one looper, roller presser. Balance wheel No. 23873. Diameter of belt groove 2 <sup>1</sup> / <sub>8</sub> inches. . . . Speed 2800. Cipher, ELNAZ. See Form 9144. Weight in lbs., 51 net, 83 gross. Cubic meas., 3 ft. 4 in.	
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## MACHINES OF CLASS 62

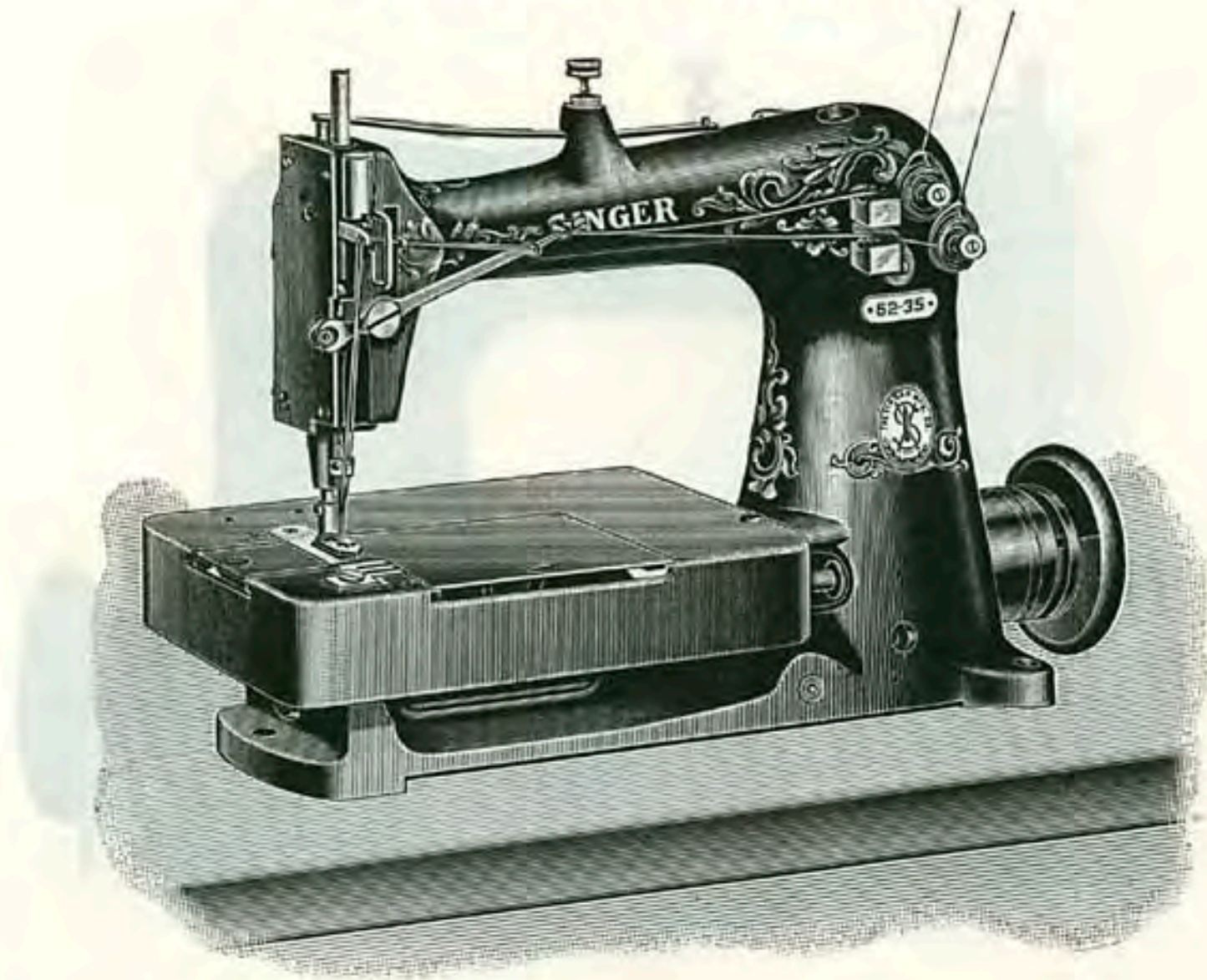


MACHINE No .62-28

NO.	DESCRIPTION	PRICE
62-27	FOR CLOTH OR LEATHER; CLOSING SHOES, STITCHING GLOVES, ETC. One needle, one looper, alternating pressers. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 1600. Cipher, ELMYD. See Form 9200. Weight in lbs., 54 net, 86 gross. Cubic meas., 3 ft. 4 in.	
62-28	FOR STITCHING BUTTON STAYS ON KNIT UNDERWEAR. One needle, one looper, transverse tubular binder and auxiliary feed. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches.... Speed 2800. Cipher, ELNIB. See Form 9206. Weight in lbs., 53 net, 85 gross. Cubic meas., 3 ft. 4 in.	
62-29	FOR CASKET LININGS. One needle, one looper, has positive ruffling mechanism for full or scant ruffling, fitted with a combination edge folder and edge guide for folding the edge of the backing, guiding and ruffling silk facing and tube foot for laying the braid over the folded and ruffled edges in one operation. Balance wheel No. 52800. Diameter of belt groove $2\frac{1}{8}$ inches.... Speed 2500. Cipher, ELNOC. Weight in lbs., 52 net, 84 gross. Cubic meas., 3 ft. 4 in.	
62-31	FOR KNIT GOODS AND OTHER FABRICS. One needle, one looper, vertical shear trimmer adjustable to trim $\frac{1}{16}$ to $\frac{3}{16}$ inch from the needle. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 2800. Cipher, ELPAB. See Form 9211. Weight in lbs., 49 net, 81 gross. Cubic meas., 3 ft. 4 in.	
62-32	FOR CLOSING SHOES AND GLOVES; ALSO EDGE STITCHING. One needle, one looper; has vertical trimmer adjustable to trim $\frac{1}{32}$ to $\frac{3}{32}$ inch from the needle, alternating pressers. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 1600. Cipher, ELPEC. See Form 9227. Weight in lbs., 51 net, 83 gross. Cubic meas., 3 ft. 4 in.	



MACHINES OF CLASS 62

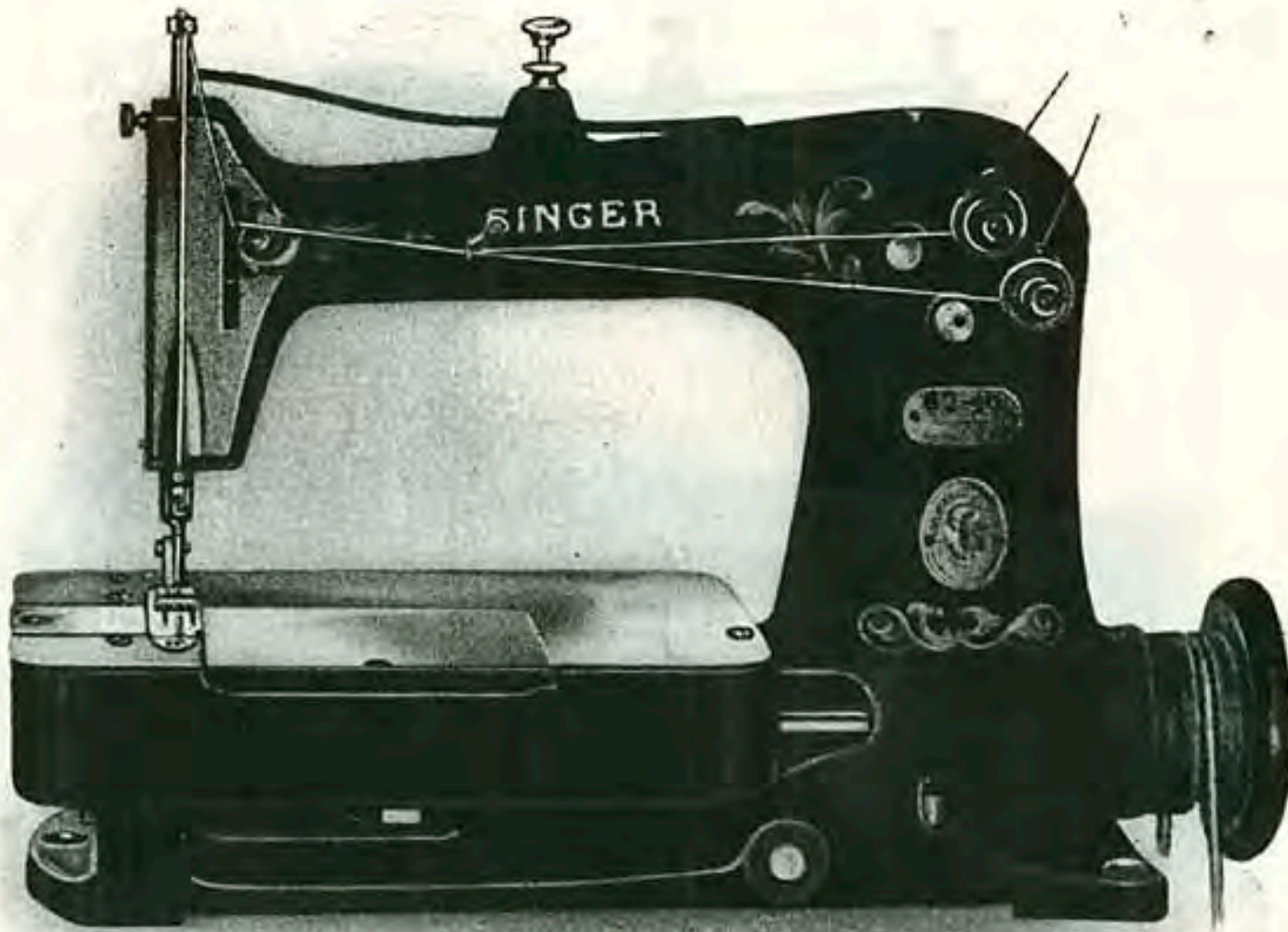


MACHINE No. 62-35

NO.	DESCRIPTION	PRICE
62-35	FOR STAYING SHOES. Two needles, two loopers; gauges $\frac{3}{32}$ to $\frac{3}{16}$ inch. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 2800. Cipher, ELPUF. See Form 9145. Weight in lbs., 55 net, 87 gross. Cubic meas., 3 ft. 4 in.	
62-38	FOR COVERING SEAMS, NECKING AND ORNAMENTING UNDERWEAR. Two needles, one looper; gauges $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ inch. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 2800. Cipher, ELROF. See Form 9189. Weight in lbs., 54 net, 86 gross. Cubic meas., 3 ft 4 in.	
62-39	FOR SILKING OR STITCHING AROUND THE DRAW ON THE BACKS OF GLOVES. Two needles, one looper; gauges $\frac{1}{32}$ to $\frac{1}{16}$ inch. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 2800. Cipher, ELRUG. See Form 9190. Weight in lbs., 49 net, 81 gross. Cubic meas., 3 ft. 4 in.	



## MACHINES OF CLASS 62

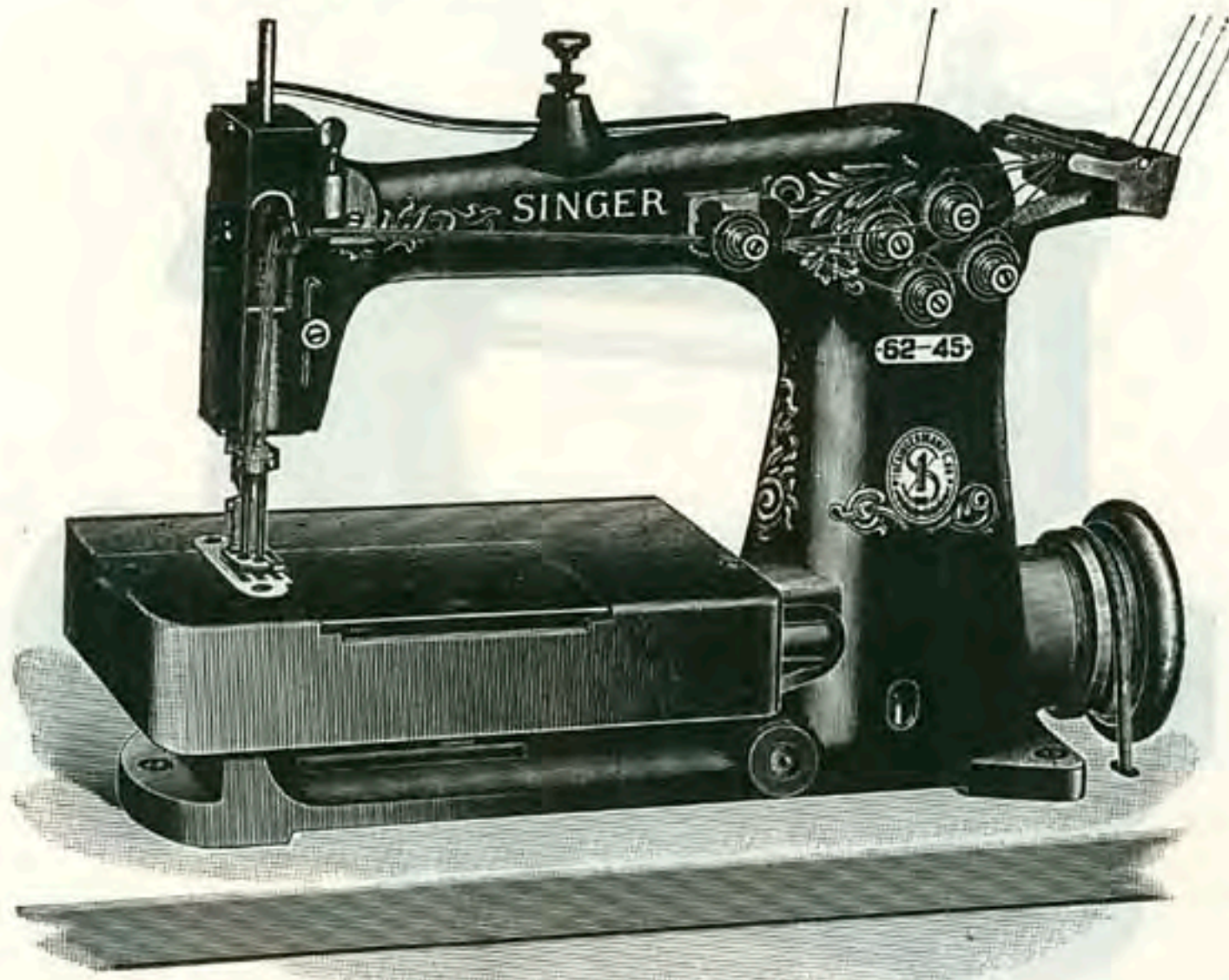


MACHINE No. 62-40

NO.	DESCRIPTION	PRICE
62-40	FOR CORDING AND AIR TUCKING IN SKIRTS, WAISTS, MILLINERY AND OTHER GOODS. Air tucking can be made $\frac{1}{32}$ to $\frac{1}{8}$ inch high, but the desired height must be stated upon the order for the machine, and material and cord to be used sent with the order. Has two needles, one looper; gauges $\frac{3}{8}$ to $\frac{1}{8}$ inch; presser foot No. 46271 and throat plate No. 52666 for plain stitching. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 2800. Cipher, ELSAD. See Form 9199. Weight in lbs., 49 net, 81 gross. Cubic meas., 3 ft. 4 in.	
62-41	FOR LEATHER; HEMMING LEATHER GLOVES, ETC. Two needles, one looper; gauges $\frac{1}{32}$ to $\frac{1}{16}$ inch; alternating pressers. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 1600. Cipher, ELSIF. See Form 9201. Weight in lbs., 50 net, 82 gross. Cubic meas., 3 ft. 4 in.	
62-43	FOR SKIRTS, MUSLIN UNDERWEAR, ETC. Has positive ruffling mechanism below with graduated adjustment above and cloth plate; also upper right hand edge folder, ruffle guide and under strip folder. For inserting a flounce, lace or embroidery and securing it under a folded strip in one operation. Two needles, two loopers; gauges $\frac{1}{8}$ , $\frac{3}{16}$ or $\frac{1}{4}$ inch. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 2800. Cipher, ELSUH. See Form 9220. Weight in lbs., 56 net, 88 gross. Cubic meas., 3 ft. 4 in.	



MACHINES OF CLASS 62



MACHINE No. 62-45

NO.	DESCRIPTION	PRICE
62-45	<p>FOR FOUR LINE SHOE TIPPING. Has four needles, two loopers. By removing one or more needles, two or three line stitching can be obtained. Gauges between the first and second, and between the third and fourth needles <math>\frac{1}{2}</math> to <math>\frac{5}{8}</math> inch, and between the second and third needles <math>\frac{1}{8}</math> to <math>\frac{3}{8}</math> inch. Balance wheel No. 46220. Diameter of belt groove <math>2\frac{13}{16}</math> inches. . . . .                      Speed 2800. Cipher, ELTIG. See Form 9191.                      Weight in lbs., 54 net, 86 gross. Cubic meas., 3 ft. 4 in.</p>	
62-46	<p>FOR SKIRTS, SHIRT WAISTS, MILLINERY AND OTHER GOODS. Makes two rows of air tucking in one operation; material to be used must be sent with the order for machine, and the height of tuck, <math>\frac{1}{2}</math> to <math>\frac{1}{8}</math> inch, specified. Has four needles, two loopers. Gauges between the first and second, and between the third and fourth needles <math>\frac{1}{2}</math> to <math>\frac{5}{8}</math> inch, and between the second and third needles <math>\frac{1}{8}</math> to <math>\frac{3}{8}</math> inch. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . .                      Speed 2800. Cipher, ELTOH. See Form 9192.                      Weight in lbs., 52 net, 92 gross. Cubic meas., 4 ft. 2 in.</p>	



## MACHINES OF CLASS 62

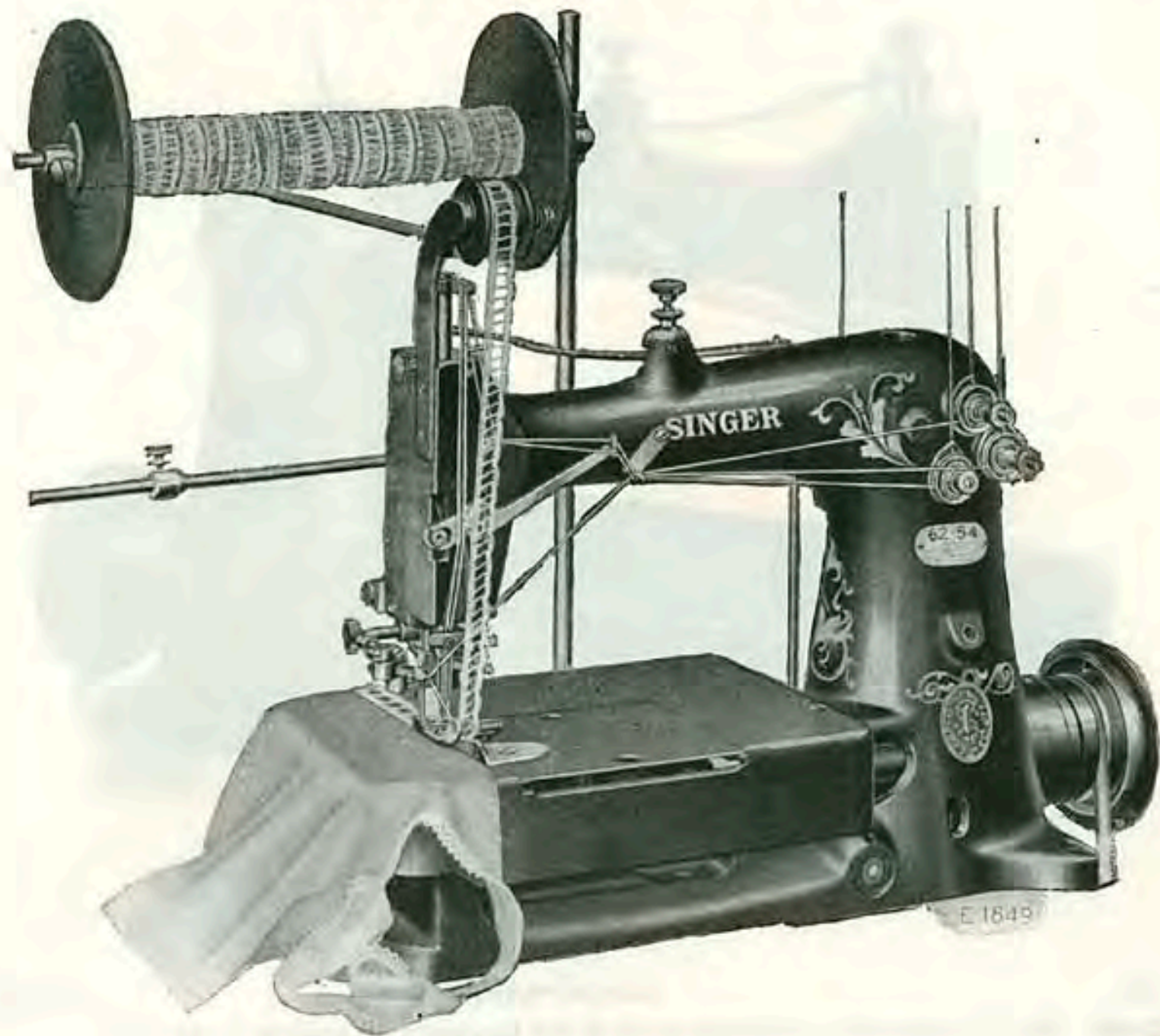


MACHINE NO. 62-47

NO.	DESCRIPTION	PRICE
<b>62-47</b>	FOR GENERAL WORK IN FABRICS AND LIGHT LEATHER. For lap seaming button laps on shoes, etc. Two needles, two loopers; gauges $\frac{3}{32}$ to $\frac{3}{8}$ inch. Alternating pressers, independent upper and under feeds. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 2500. Cipher, ELTUIJ. Weight in lbs., 57 net, 89 gross. Cubic meas., 3 ft. 4 in.	
<b>62-48</b>	FOR GENERAL WORK IN LIGHT FABRICS. For trimming and binding in one operation. Has vertical shear trimmer operated by an eccentric on the arm rotary shaft. Trims from $\frac{1}{16}$ to $\frac{3}{16}$ inch from the needle. One needle, one looper. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 2500. Cipher, ELTYK. Weight in lbs., 55 net, 87 gross. Cubic meas., 3 ft. 4 in.	
<b>62-50</b>	FOR VAMPING AND FOXING SHOES. Two needles, one looper; gauges $\frac{1}{32}$ to $\frac{1}{16}$ inch. Roller presser. Balance wheel No. 46220. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 2800. Cipher, ELVEG. Weight in lbs., 55 net, 87 gross. Cubic meas., 3 ft. 4 in.	
<b>62-51</b>	FOR ORNAMENTING THE BACKS OF GLOVES WITH A BRAID STITCH. One needle, one looper. Balance wheel No. 23873. Diameter of belt groove $2\frac{1}{8}$ inches..... Speed 2800. Cipher, ELVOJ. See Form 9307. Weight in lbs., 54 net, 86 gross. Cubic meas., 3 ft. 4 in.	



## MACHINES OF CLASS 62



MACHINE No. 62-54

NO.	DESCRIPTION	PRICE
62-53	<p>FOR TWO LINE STITCHING IN FABRICS. Has cloth plate specially fitted for lap seam feller. Two needles, two loopers; gauges <math>\frac{1}{32}</math> to <math>\frac{9}{16}</math> inch. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches.....</p> <p>Speed 2800. Cipher, ELZAJ. See Form 9361.</p> <p>Weight in lbs., 56 net, 88 gross. Cubic meas., 3 ft. 4 in.</p>	
62-54	<p>FOR STITCHING LACE TO KNIT UNDERWEAR. Two needles, one looper; gauges <math>\frac{1}{8}</math> to <math>\frac{1}{4}</math> inch (in 32nds); double interlock stitch. Has presser foot (hinged) fitted with edging roller and spool tension for lace. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches.....</p> <p>Speed 2800. Cipher, ELZEK. See Form 9337.</p> <p>Weight in lbs., 66 net, 106 gross. Cubic meas., 4 ft. 2 in.</p> <p style="text-align: center; font-size: small;">NOTE. This machine is regularly fitted with an iron base.</p>	
62-55	<p>FOR JOINING CUFFS TO KNIT UNDERWEAR BEFORE CLOSING. Three needles, one looper, <math>\frac{3}{16}</math> to <math>\frac{1}{4}</math> inch (in 32nds) between the outside needles. Triple interlock stitch, auxiliary feed. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches.....</p> <p>Speed 2500. Cipher, ELZIL. See Form 9338.</p> <p>Weight in lbs., 69 net, 110 gross. Cubic meas., 4 ft. 2 in.</p> <p style="text-align: center; font-size: small;">NOTE. This machine is regularly fitted with an iron base.</p>	



MACHINES OF CLASS 62

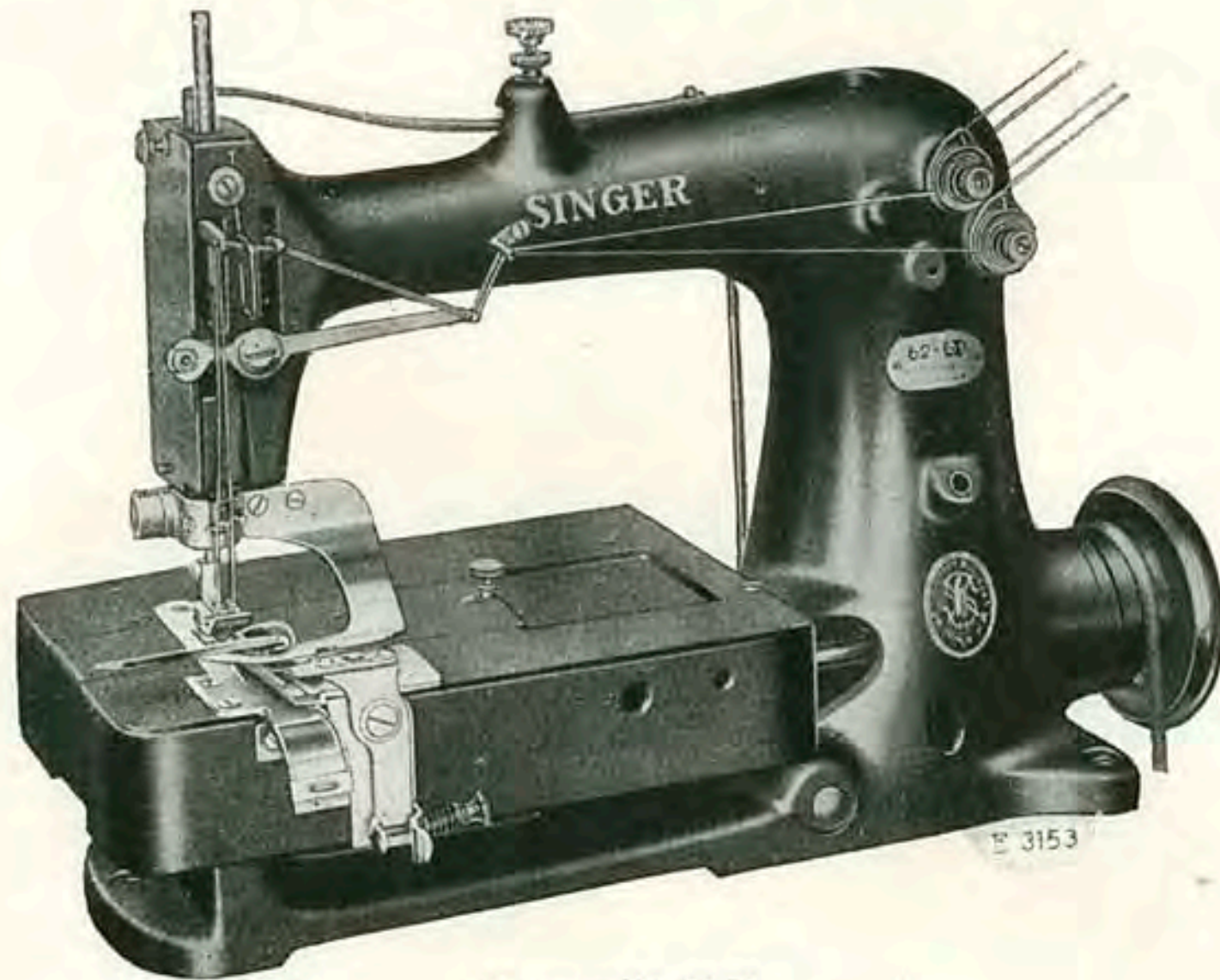


MACHINE No. 62-56

NO.	DESCRIPTION	PRICE
<b>62-56</b>	<p>FOR TRIMMING AND STITCHING KNIT GOODS AND OTHER FABRICS. One needle, one looper. Has auxiliary feed mechanism, and vertical trimmer that trims by compression, adjustable to trim from <math>\frac{3}{32}</math> to <math>\frac{3}{16}</math> inch from the needle. The cutting members are actuated by an eccentric on the rotary shaft. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . . Speed 2800. Cipher, ELZOM. See Form 9374. Weight in lbs., 60 net, 110 gross. Cubic meas., 4 ft. 2 in.</p> <p>NOTE. The customer should be provided with cutter grinder No. 27934, with the first machine ordered. As one grinder will serve for several machines, it is not included as part of the head and must be ordered separately on Form 430.</p>	
<b>62-57</b>	<p>FOR TRIMMING AND STITCHING KNIT GOODS AND OTHER FABRICS. One needle, one looper. Has auxiliary feed mechanism and vertical shear trimmer adjustable to trim from <math>\frac{1}{16}</math> to <math>\frac{3}{16}</math> inch from the needle. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . . Speed 2800. Cipher, EMBAM. See Form 9375. Weight in lbs., 51 net, 83 gross. Cubic meas., 3 ft. 4 in.</p>	
<b>62-58</b>	<p>FOR WINDOW SHADES. Makes stitch <math>\frac{5}{16}</math> inch long. One needle, one looper. Has reciprocating slide above the work, under the presser foot. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . . Speed 2500. Cipher, EMBAO. See Form 9403. Weight in lbs., 50 net, 82 gross. Cubic meas., 3 ft. 4 in.</p>	



MACHINES OF CLASS 62



MACHINE No. 62-61

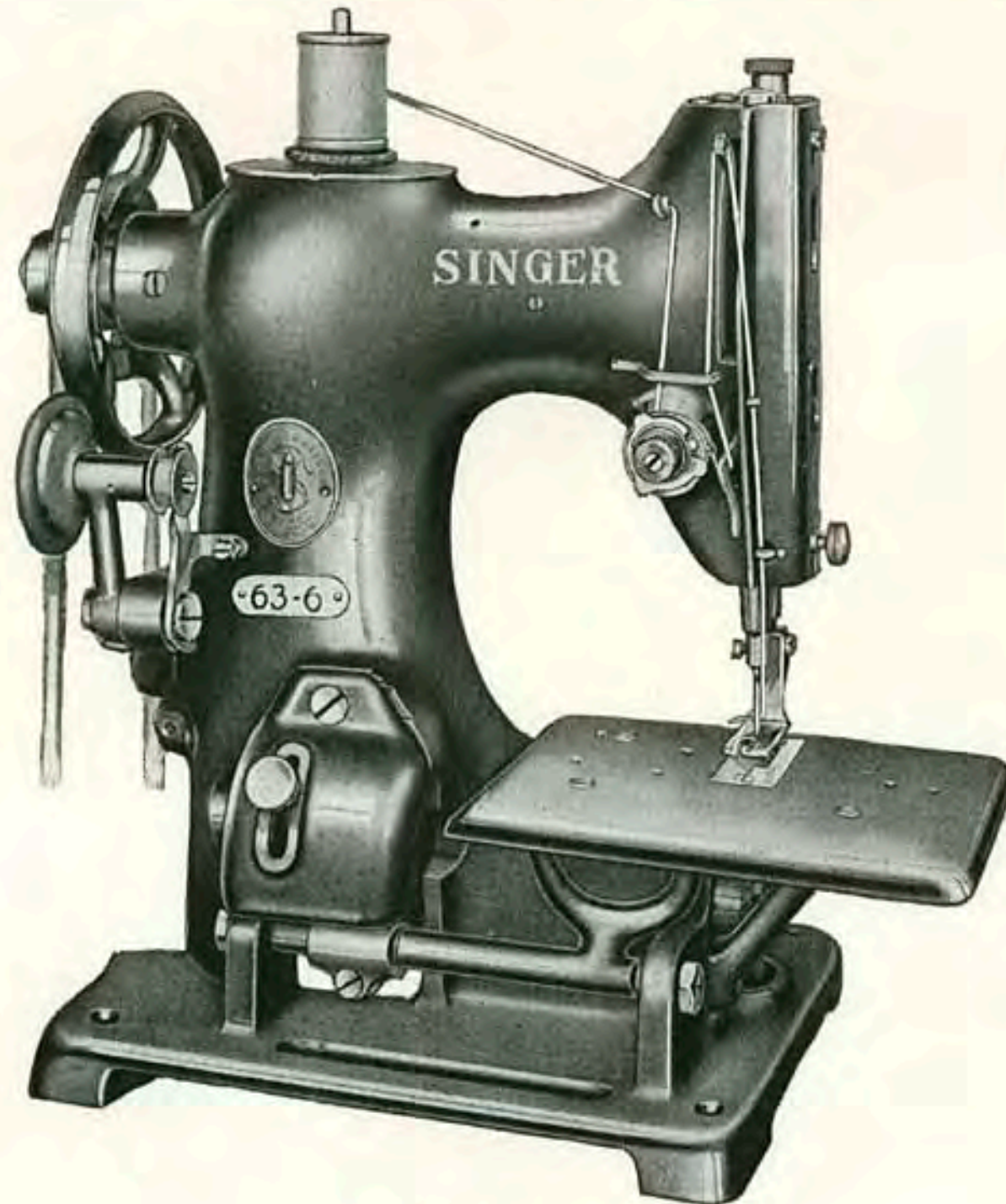
NO.	DESCRIPTION	PRICE
62-61	<p>FOR INSERTING ELASTIC WEBBING BETWEEN A FOLDED STRIP and the body of the garment in the bottom of shirt waists. Two needles, two loopers, gauges <math>\frac{1}{4}</math> to <math>\frac{9}{16}</math> inch. Fitted with a combination attachment for folding the edge of the garment, guiding, stretching the elastic webbing, folding the covering strip and stitching to the garment in one operation; also provided with means for releasing the tension for the purpose of threading the elastic webbing into its guide, the attachment is arranged so that the elastic webbing is stitched to the garment its entire length. The machine is regularly furnished with a holder for the elastic webbing and strip. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . .</p> <p>Speed 2800. Cipher, EMBAS. See Form 9536.</p> <p>Weight in lbs., 56 net, 88 gross. Cubic meas., 3 ft. 4 in.</p>	

NOTE. Orders for Machine No. 62-61 must be accompanied by samples of the elastic webbing to be used, for testing machine before shipment.



# MACHINES OF CLASS 63

Size of base  $7\frac{3}{8}$  inches from right to left,  $8\frac{5}{8}$  inches from front to back. Central Bobbin. Link take-up. Knee or foot lifter. Feed from left to right. Bobbin No. 24051.



MACHINE No. 63-6

NO.	DESCRIPTION	PRICE
63-5	No. Cancelled. Superseded by No. 63-7 Machine. Drop feed. Balance wheel No. 21212. Diameter of belt groove $2\frac{1}{16}$ inches..... Speed 2800. Cipher, EMBOP. Weight in lbs., 33 net, 49 gross. Cubic meas., 1 ft. 8 in.	
63-6	No. Cancelled. Superseded by No. 63-8 Machine. Drop feed. Balance wheel No. 21212. Diameter of belt groove $2\frac{3}{16}$ inches..... Speed 2800. Cipher, EMBUR. Weight in lbs., 33 net, 49 gross. Cubic meas., 1 ft. 8 in.	



**63-7** FOR SHIRTS, LINEN AND COTTON GOODS. Shuttle No. 21262. Drop feed. Balance wheel No. 21212. Diameter of belt groove  $2\frac{3}{16}$  inches.....  
Speed 2800. Cipher, EMBUS.  
Weight in lbs., 33 net, 49 gross. Cubic meas., 1 ft. 8 in.  
Formerly 63 S. V. 3 Machine.  
Supersedes 63-5 Machine. (March, 1926).

**63-8** FOR UNDERCLOTHING, DRESSMAKING, ETC. Shuttle No. 21262. Drop feed. Balance wheel No. 21212. Diameter of belt groove  $2\frac{3}{16}$  inches.....  
Speed 2800. Cipher, EMBUT.  
Weight in lbs., 33 net, 49 gross. Cubic meas., 1 ft. 8 in.  
Formerly 63 S. V. 2 Machine.  
Supersedes 63-6 Machine. (March, 1926).



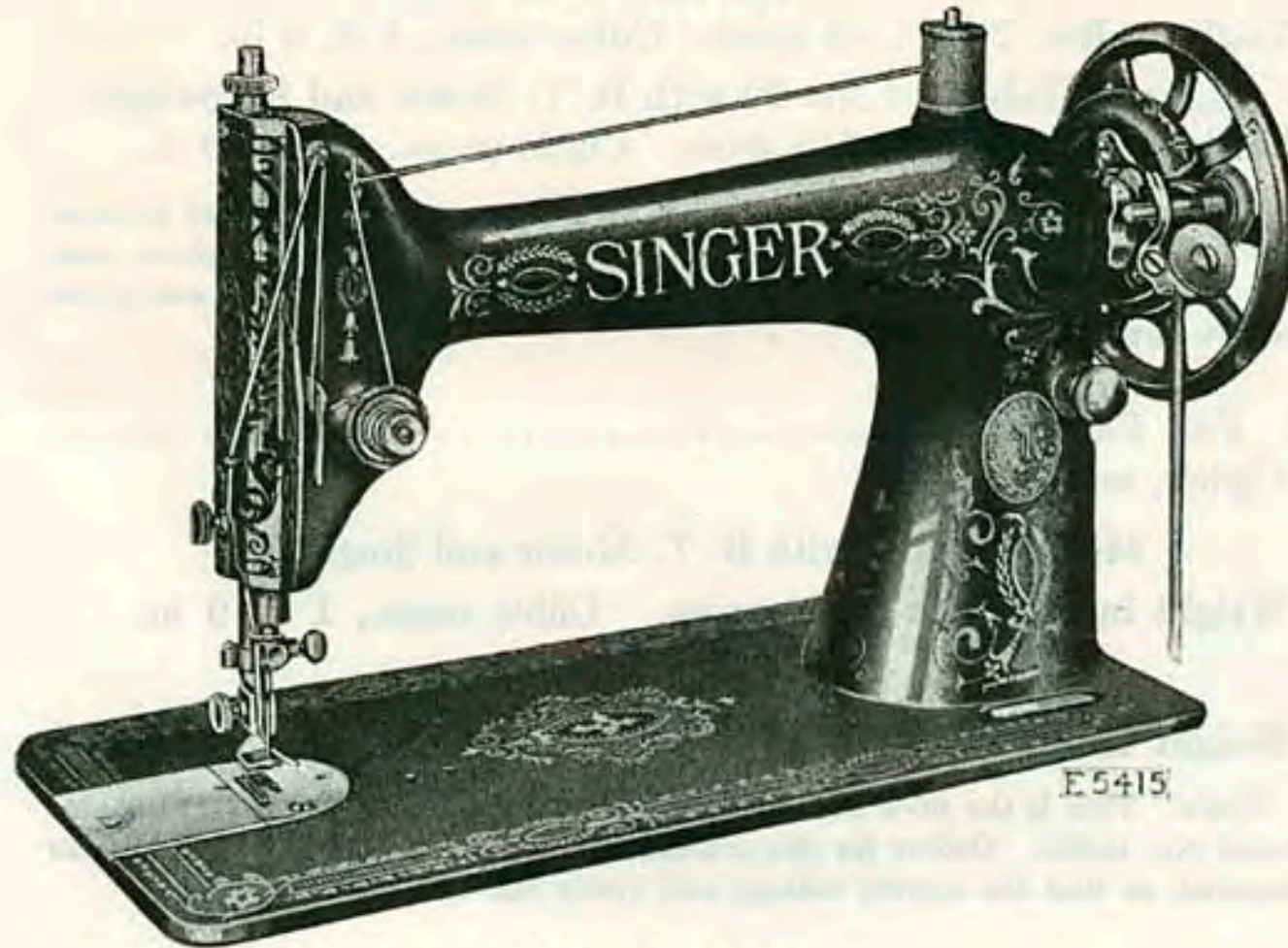
63-7 For Shirts, Linen and Cotton Goods. Shuttle No. 21262. Drop feed. Balance wheel No. 21212. Diameter of belt groove  $2\frac{3}{16}$  inches.....  
Speed 2800. Cipher, EMBUS.  
Weight in lbs., 33 net, 49 gross. Cubic meas., 1 ft. 8 in.  
Formerly 63 S. V. 3 Machine.  
Supersedes 63-5 Machine. (March, 1926).

63-8 For Underclothing, Dressmaking, Etc. Shuttle No. 21262. Drop feed. Balance wheel No. 21212. Diameter of belt groove  $2\frac{3}{16}$  inches.....  
Speed 2800. Cipher, EMBUT.  
Weight in lbs., 33 net, 49 gross. Cubic meas., 1 ft. 8 in.  
Formerly 63 S. V. 2 Machine.  
Supersedes 63-6 Machine. (March, 1926).



# MACHINES OF CLASS 66

Bed  $14\frac{5}{8}$  inches long; 8 inches clear space at right of needle. Horizontal oscillating hook. Stationary bobbin case. Link take-up.  
Bobbin No. 32522.



MACHINE No. 66-4

NO.	DESCRIPTION	PRICE
66-4	FOR FAMILY USE. Has square seat on presser bar and oscillating hook bobbin case position bracket hinged, to throw out for the easy removal of the bobbin case..... Cipher, EMBYO. Weight in lbs., 26 net, 43 gross. Cubic meas., 1 ft. 6 in.	\$ — —
66-5	FOR FAMILY USE. Has square seat on presser bar and oscillating hook bobbin case position bracket hinged, to throw out for easy removal of the bobbin case. Has hand attachment..... Cipher, EMBYS. Weight in lbs., 27 net, 44 gross. Cubic meas., 1 ft. 6 in.	— —



## MACHINES OF CLASS 66

NO.	DESCRIPTION	PRICE
66-6	FOR FAMILY USE..... Machine Head with B. U. Motor and Singerlight.	\$ — —

Weight in lbs., 30 net, 47 gross. Cubic meas., 1 ft. 6 in.

Library Table Set No. 40

Weight in lbs., 40 net, 86 gross. Cubic meas., 5 ft. 2 in.

NOTE. This is the 66-4 Machine with B. U. Motor, Singerlight and Balance Wheel No. 33652, for Library Table Set No. 40. Orders for this machine must give the number of the motor required, so that the correct voltage and cycles can be furnished.

66-13	FOR FAMILY USE..... Cipher, ERBAP.	— —
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Machine Head with B. T. Motor and Singerlight

Weight in lbs., 34 net, 55 gross. Cubic meas., 1 ft. 9 in.

Portable Case No. 194

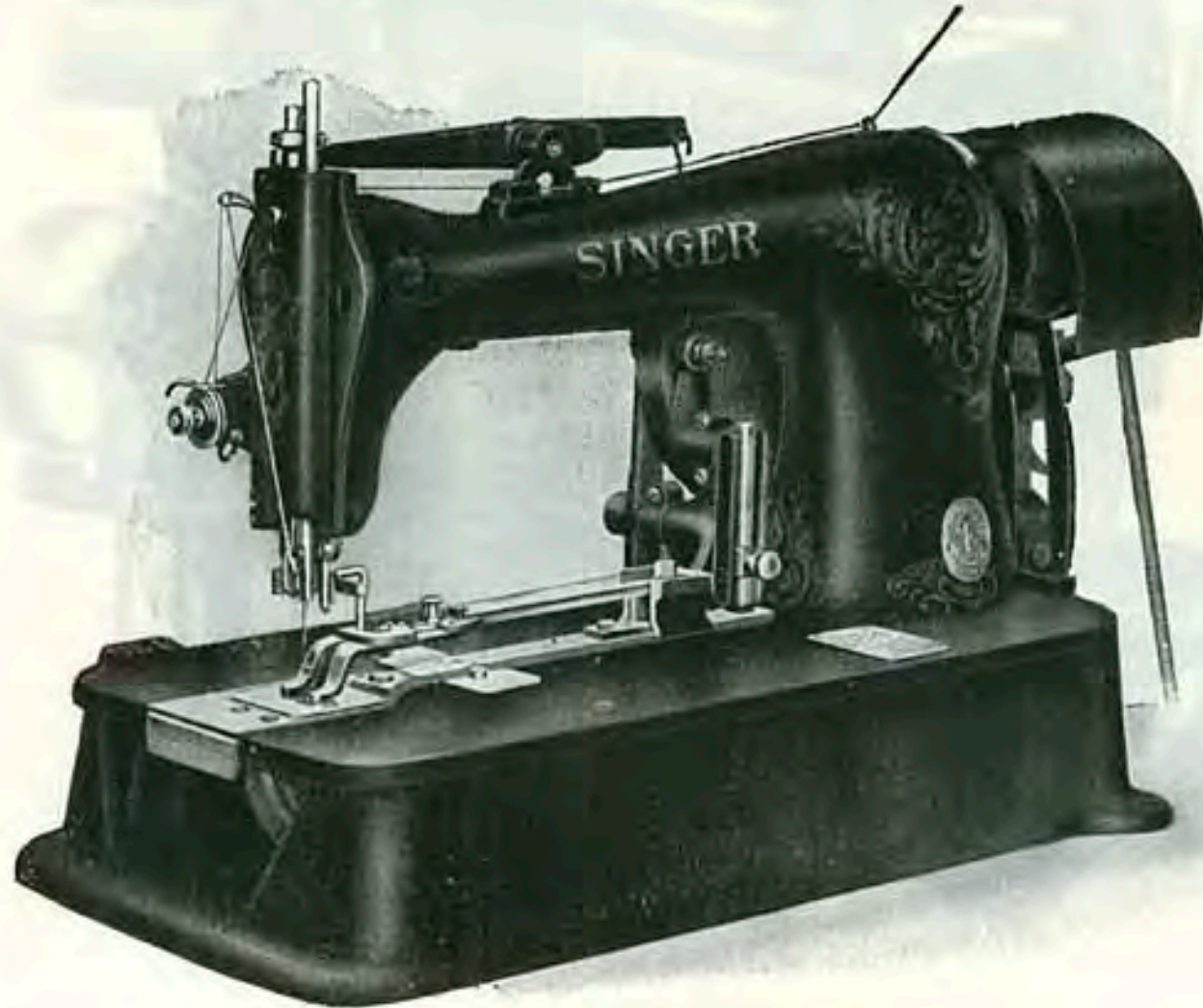
Weight in lbs., 8 net, 18 gross. Cubic meas., 1 ft. 8 in.

NOTE. This is the 66-4 Machine with B. T. motor, Singerlight and Balance wheel No. 15282. Orders for this machine must give the number of the motor required, so that the correct voltage and cycles can be furnished.



# MACHINES OF CLASS 68

For sewing on flat buttons, barring and tacking. Automatic thread cutting mechanism. Bobbin No. 2073.



MACHINE No .68-1

The machines of Class 68 (flat bed) and those of Class 69 (cylinder bed) each make a certain number of sewing stitches and three fastening or tying stitches; stop automatically, and cut both threads off close to the under side of the work.

Machines Nos. 68-1, 68-6, 68-7 and 68-21 are for sewing on flat buttons having vertical perforations or bars as described. Sample buttons are required with orders for button sewing machines.

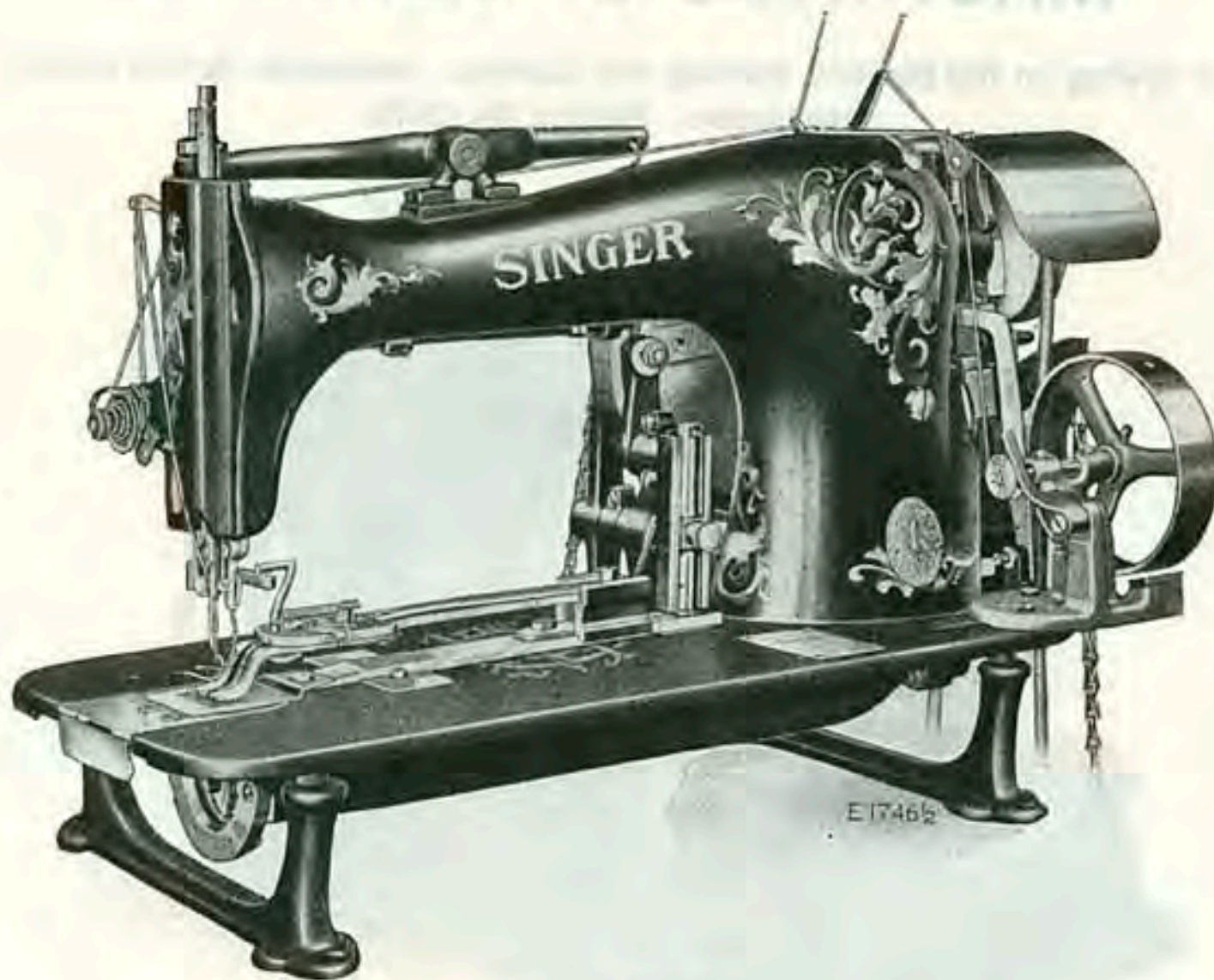
The table below designates the machines of Classes 68 and 69 for doing the same styles of work respectively:

68-6	.....same as.....	69-5	68-14.....same as.....	69-7
68-7	....." ".....	69-6	68-16....." ".....	69-12
68-9	....." ".....	69-11	68-21....." ".....	69-15
68-10.....	" ".....	69-8	68-29....." ".....	69-18
68-11.....	" ".....	69-9	68-30....." ".....	69-17
68-12.....	" ".....	69-10		

NO.	DESCRIPTION	PRICE
68-1	FOR CLOTHING. Makes parallel stitches in four hole buttons and can be adjusted for two hole and bar buttons. Makes eighteen stitches and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove 2 7/8 inches. Speed 1000. Cipher, EMCYT. See Form 9228. Weight in lbs., 73 net, 106 gross. Cubic meas., 3 ft. 9 in.	



## MACHINES OF CLASS 68

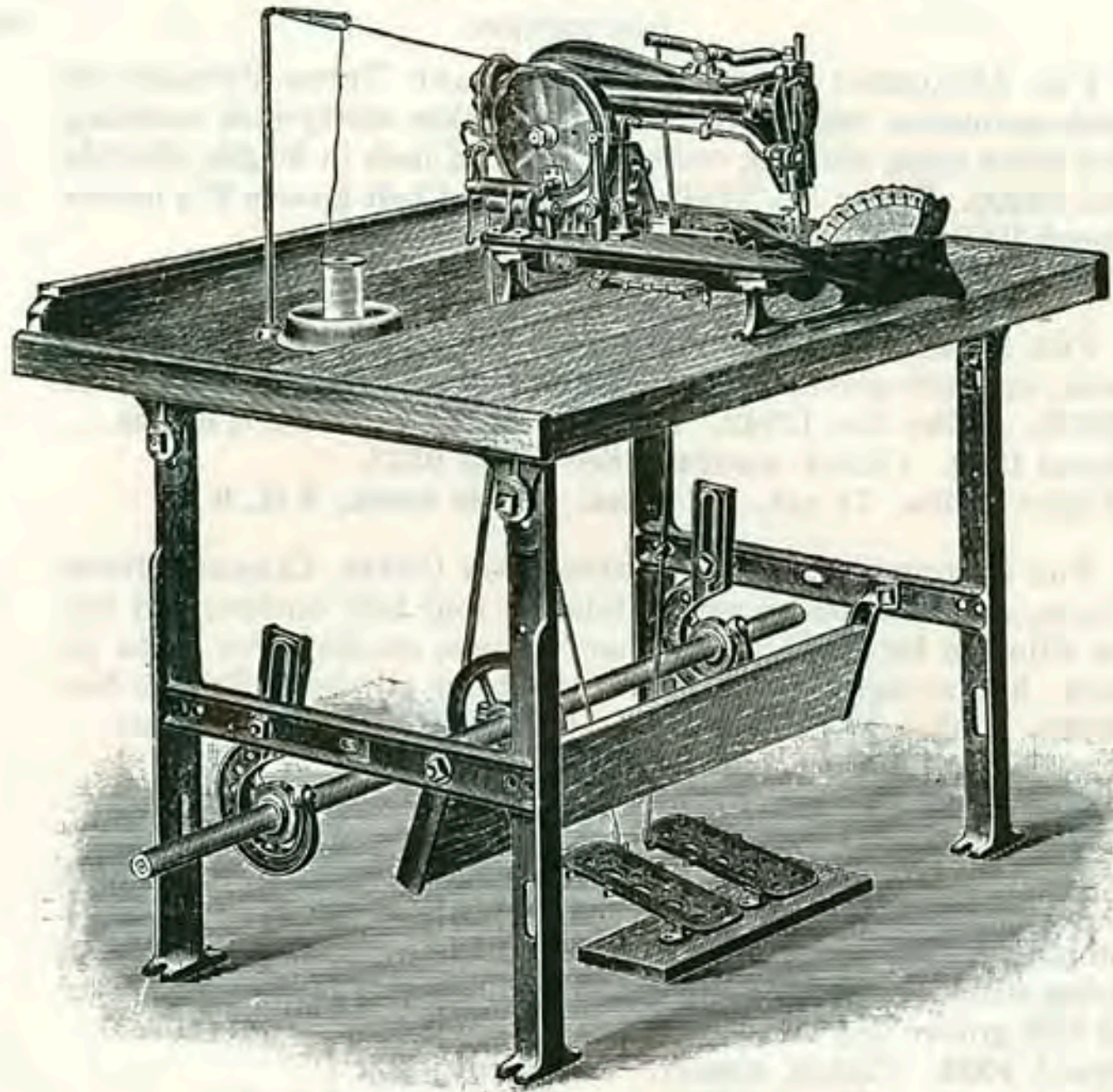


MACHINE NO. 68-6

NO.	DESCRIPTION	PRICE
68-6	FOR CLOTHING, SHIRTWAISTS, ETC. Makes crossed stitches in four hole buttons and can be adjusted for two hole and bar buttons. Makes eighteen cross and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches . . . . . Speed 1000. Cipher, EMDIR. See Form 9229. Weight in lbs., 73 net, 106 gross. Cubic meas., 3 ft. 9 in.	
68-7	FOR SHIRTS, WAISTS AND UNDERWEAR. For four hole buttons and can be adjusted for two hole and bar buttons. Small buttons only. Makes eleven cross and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMDOS. See Form 9229. Weight in lbs., 74 net, 107 gross. Cubic meas., 3 ft. 9 in.	
68-9	FOR SEWING STRAPS TO GARMENTS, UNDERWEAR, ETC. Makes bar $\frac{3}{8}$ to $\frac{7}{8}$ inch long, consisting of seven staying, thirty-two covering and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMDUT. Weight in lbs., 74 net, 107 gross. Cubic meas., 3 ft. 9 in.	
68-10	FOR BARRING POCKETS ON CLOTHING. Makes bar $\frac{5}{16}$ to $\frac{5}{8}$ inch long, consisting of twelve staying, twenty-seven covering and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMFAP. See Form 9230. Weight in lbs., 73 net, 107 gross. Cubic meas., 3 ft. 9 in.	
68-11	FOR BARRING BUTTONHOLES IN FINE WORK, and for fastening bows or other ornaments to shoes or garments. Makes bar $\frac{1}{8}$ to $\frac{1}{4}$ inch long, consisting of seven staying, eleven covering and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMFER. See Form 9230. Weight in lbs., 74 net, 107 gross. Cubic meas., 3 ft. 9 in.	
68-12	Differs from No. 68-11 only in having the clamp fitted for closing together the end of the buttonhole before barring. . . . . Speed 1000. Cipher, EMFIS. See Form 9230. Weight in lbs., 72 net, 105 gross. Cubic meas., 3 ft. 9 in.	



## MACHINES OF CLASS 68



MACHINE No. 68-14

NO.	DESCRIPTION	PRICE
<b>68-14</b>	FOR SHOE TACKING. Makes two stay, nine long, seven cross and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMFOT. See Form 9231. Weight in lbs., 72 net, 105 gross. Cubic meas., 3 ft. 9 in.	
<b>68-15</b>	FOR TACKING ORNAMENTS TO SHOES. Makes eleven cross and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMFUV. Weight in lbs., 72 net, 105 gross. Cubic meas., 3 ft. 9 in.	
<b>68-16</b>	FOR SHOE TACKING. Makes tack up to $\frac{3}{8}$ inch long; two stay, nine long and seven cross stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMGAS. See Form 9231. Weight in lbs., 74 net, 107 gross. Cubic meas., 3 ft. 9 in.	
<b>68-18</b>	FOR TACKING COST MARKS ON CLOTHING. Makes four cross and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMGIV. See Form 9232. Weight in lbs., 73 net, 106 gross. Cubic meas., 3 ft. 9 in.	

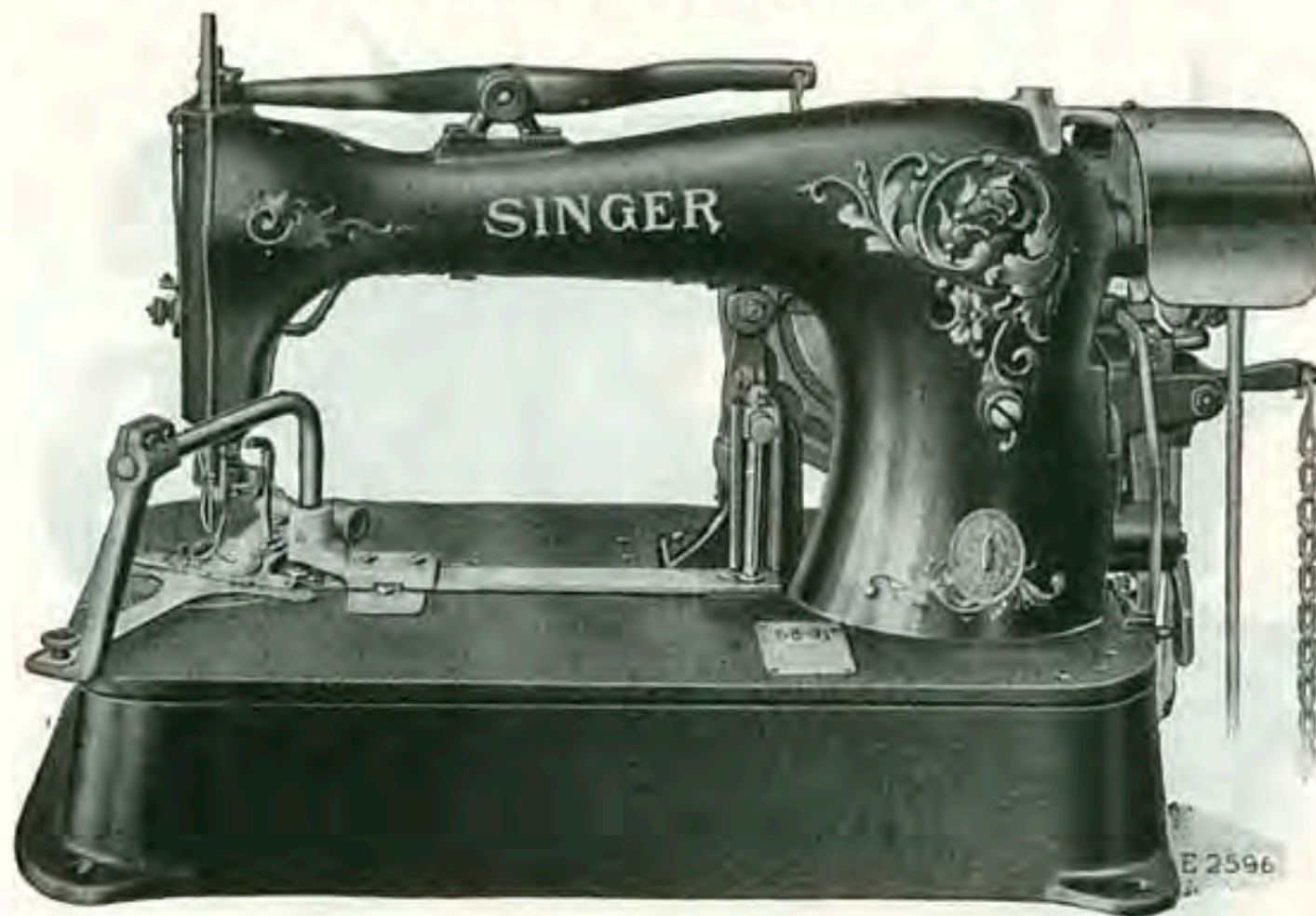


## MACHINES OF CLASS 68

NO.	DESCRIPTION	PRICE
68-19	FOR ATTACHING SAFETY PIN TUBES AND TRUSS BUCKLES to undergarments, vests, overalls, etc. Makes thirty-nine covering and three tying stitches, covering $\frac{3}{8}$ to $\frac{3}{4}$ inch in length. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. Speed 1000. Cipher, EMGOW. See Form 9233. Weight in lbs., 74 net, 106 gross. Cubic meas., 3 ft. 9 in.	
68-20	FOR MAKING FERN LEAF SHAPED ORNAMENTS on fine underwear, millinery goods, etc. Makes forty-two stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches... Speed 1000. Cipher, EMGUX. See Form 9513. Weight in lbs., 74 net, 107 gross. Cubic meas., 3 ft. 9 in.	
68-21	FOR STITCHING LARGE BUTTONS UPON COATS, CLOAKS, OVERCOATS, ETC. Makes crossed stitches in four hole buttons and can be adjusted for two hole and bar buttons; needle throw $\frac{5}{32}$ to $\frac{5}{16}$ inch. Makes eighteen cross and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches... Speed 1000. Cipher, EMGYZ. See Form 9234. Weight in lbs., 73 net, 106 gross. Cubic meas., 3 ft. 9 in.	
68-22	FOR FASTENING TONGUE BUCKLES $\frac{3}{8}$ to $\frac{3}{4}$ inch wide upon shoes or other articles, by overstitching the bar of the buckle on both sides of the tongue. Makes forty-two stitches, including tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches... Speed 1000. Cipher, EMHAT. See Form 9233. Weight in lbs., 72 net, 105 gross. Cubic meas., 3 ft. 9 in.	
68-23	FOR TACKING COST MARKS OR OTHER TICKETS UPON CLOTHING. Makes tacks $\frac{3}{16}$ to $\frac{3}{8}$ inch long, consisting of nine stitches in two sections, including tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches... Speed 1000. Cipher, EMHEV. See Form 9232. Weight in lbs., 73 net, 106 gross. Cubic meas., 3 ft. 9 in.	
68-24	FOR TACKING AND ORNAMENTING FINE UNDERWEAR. Makes triangular tack or ornament consisting of forty-two stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches... Speed 1000. Cipher, EMHOX. See Form 9235. Weight in lbs., 74 net, 107 gross. Cubic meas., 3 ft. 9 in.	
68-25	FOR STITCHING SELF-SHANK BUTTONS ON SHIRTS, SHIRT WAISTS, ETC. Makes eleven cross and three tying stitches. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches.. Speed 1000. Cipher, EMHUZ. See Form 9244. Weight in lbs., 72 net, 105 gross. Cubic meas., 3 ft. 9 in.	
68-27	FOR STITCHING PRESS STUDS OR SNAP FASTENERS ON SKIRTS, WAISTS, ETC. Makes fourteen stitches including tying stitches. This machine is regularly fitted with a universal arched clamp for the Koh-i-noor Snap Fastener; also with an adjustable guide graduated from $1\frac{3}{4}$ to $3\frac{1}{2}$ inches to regulate the distance between the snap fasteners. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches... Speed 1000. Cipher, EMJEW. See Form 9308. Weight in lbs., 75 net, 107 gross. Cubic meas., 3 ft. 9 in.	



MACHINES OF CLASS 68

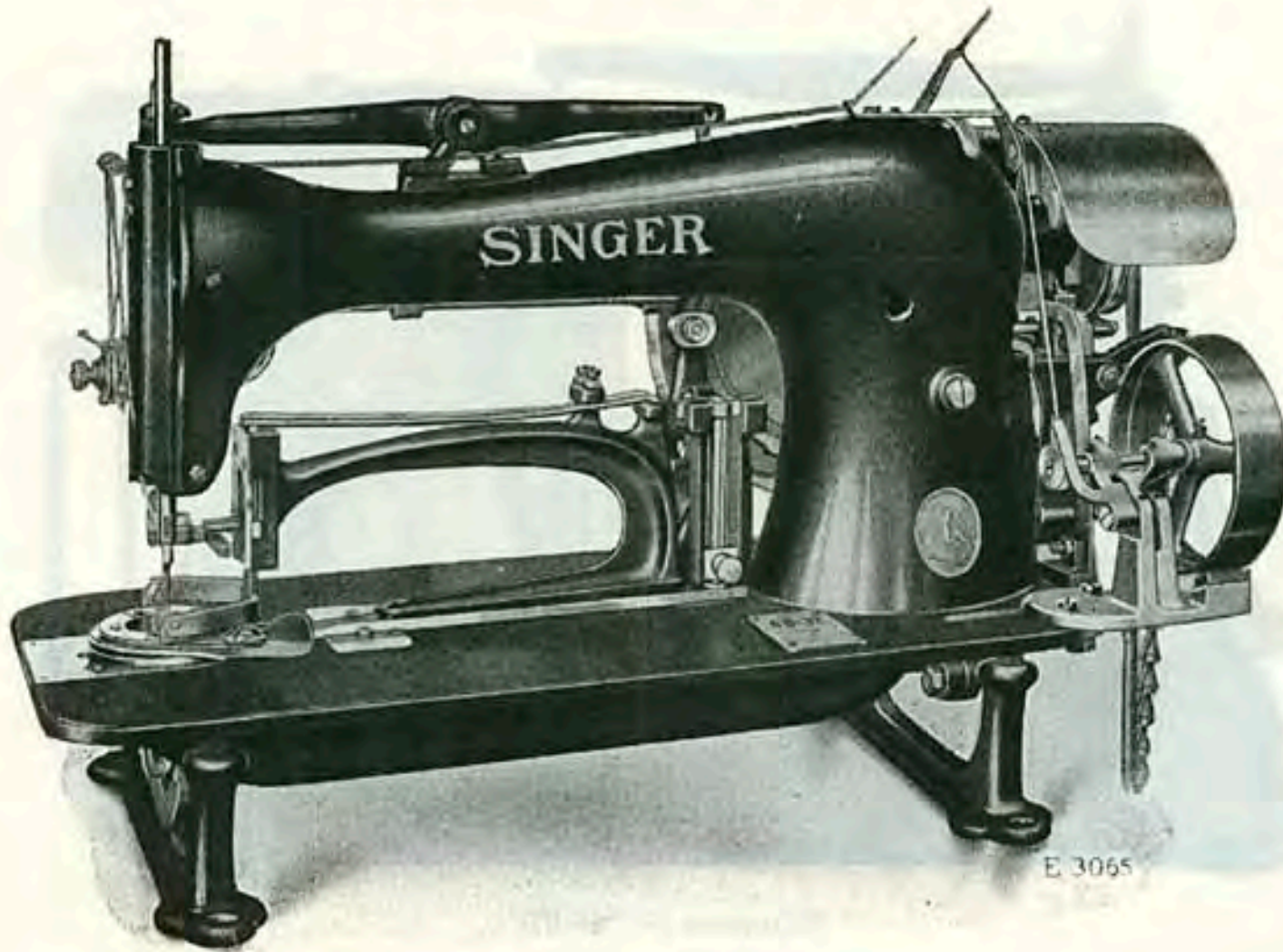


MACHINE No. 68-31

NO.	DESCRIPTION	PRICE
68-29	<p>FOR STITCHING TWO OR FOUR HOLE GROOVED BUTTONS ON MEN'S AND BOYS' CLOTHING. Makes two separate bars in four hole buttons; no cross stitches between the bars. After the first bar is completed and the thread cut, the clamp automatically brings the button into position for the second bar. Makes nine stitches including three tying stitches to each bar. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . Speed 1000. Cipher, EMJOZ. Weight in lbs., 73 net, 106 gross. Cubic meas., 3 ft. 9 in.</p>	
68-30	<p>FOR STITCHING TWO OR FOUR HOLE GROOVED BUTTONS ON MEN'S AND BOYS' CLOTHING. Makes two separate bars in four hole buttons; no cross stitches between the bars. After the first bar is completed and the thread cut, the clamp automatically brings the button into position for the second bar. Makes eighteen stitches including three tying stitches to each bar. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . Speed 1000. Cipher, EMKAW. Weight in lbs., 73 net, 106 gross. Cubic meas., 3 ft. 9 in. Differs from Machine No. 68-29 in the number of stitches.</p>	
68-31	<p>FOR SMOCKING LADIES' BLOUSES, SHIRTWAISTS, NIGHTDRESSES, UNDERWEAR, DRESSES, SKIRTS, MILLINERY, CHILDREN'S WEAR, ETC. Has work holding clamp with graduated plate for measuring for distance between the tacks. Makes fourteen stitches to each tack. The depth of the depression of the diamond can be made either <math>\frac{1}{4}</math> or <math>\frac{5}{16}</math> inch as desired. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . . Speed 1000. Cipher, EMKEX. See Form 9441. Weight in lbs., 73 net, 106 gross. Cubic meas., 3 ft. 9 in.</p>	



MACHINES OF CLASS 68

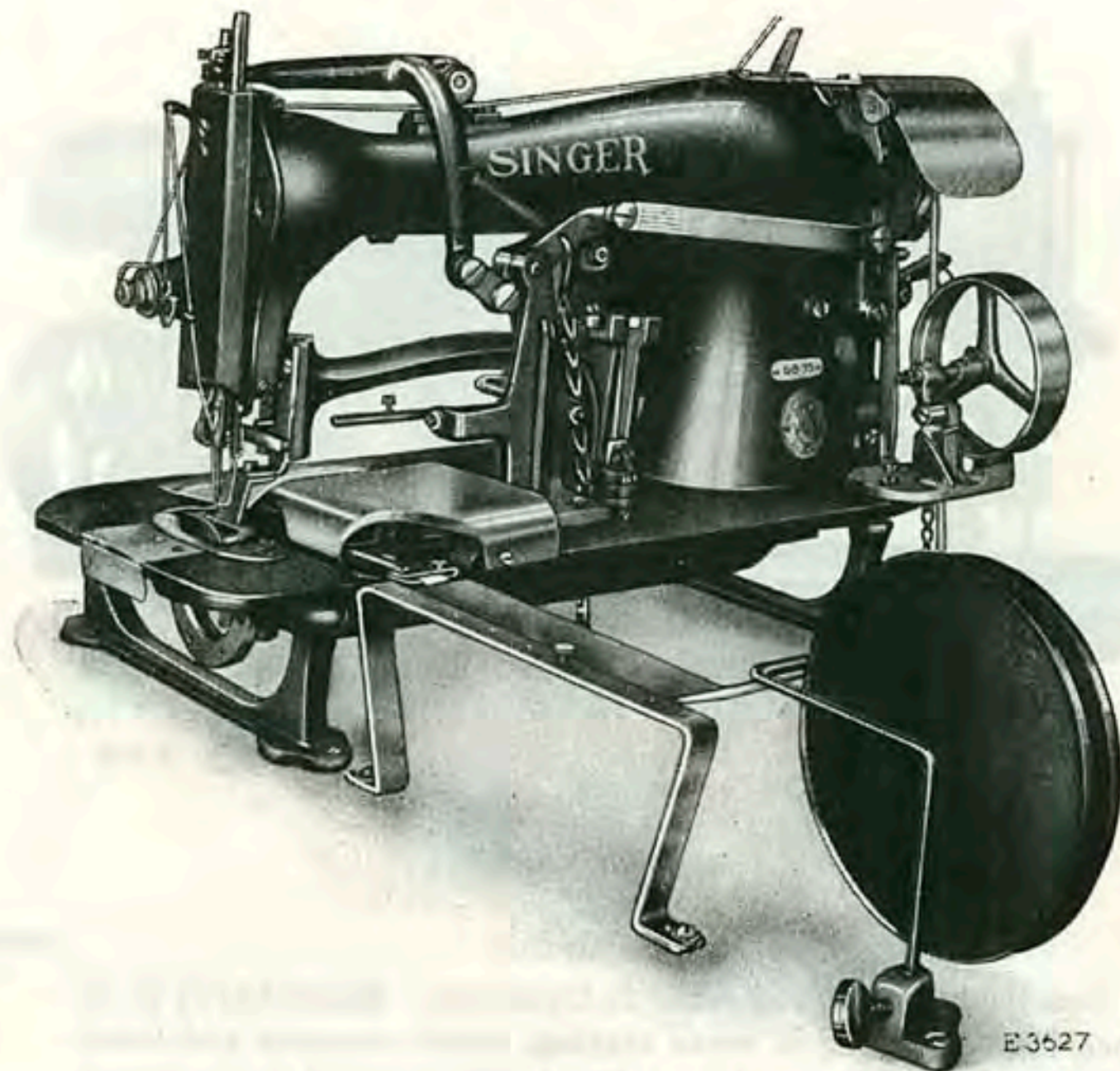


MACHINE No. 68-33

NO.	DESCRIPTION	PRICE
<b>68-32</b>	<p>FOR BARRING POCKETS AND COLLARS ON ARMY OVERCOATS and other similar heavy work. Makes bar <math>\frac{5}{16}</math> to <math>\frac{5}{8}</math> inch long, consisting of twelve staying, twenty-seven covering and three tying stitches. The machine is designed to handle fabric material <math>\frac{5}{8}</math> inch thick. Shuttle No. 63535. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . .                      Speed 1000. Cipher, EMKIZ. See Form 9488.                      Weight in lbs., 73 net, 106 gross. Cubic meas., 3 ft. 9 in.</p>	
<b>68-33</b>	<p>FOR MAKING 5 POINTED STARS IN FIVE OPERATIONS or a crow's foot tack (3 pointed star) in three operations, on naval clothing and other fabric, 42 stitches to each tack or point of star. The machine is fitted with a specially designed work holding clamp for manually moving the material in position for the succeeding points of the star. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . .                      Speed 1000. Cipher, EMKUB. See Form 9509.                      Weight in lbs., 74 net, 107 gross. Cubic meas., 3 ft. 9 in.</p>	



## MACHINES OF CLASS 68

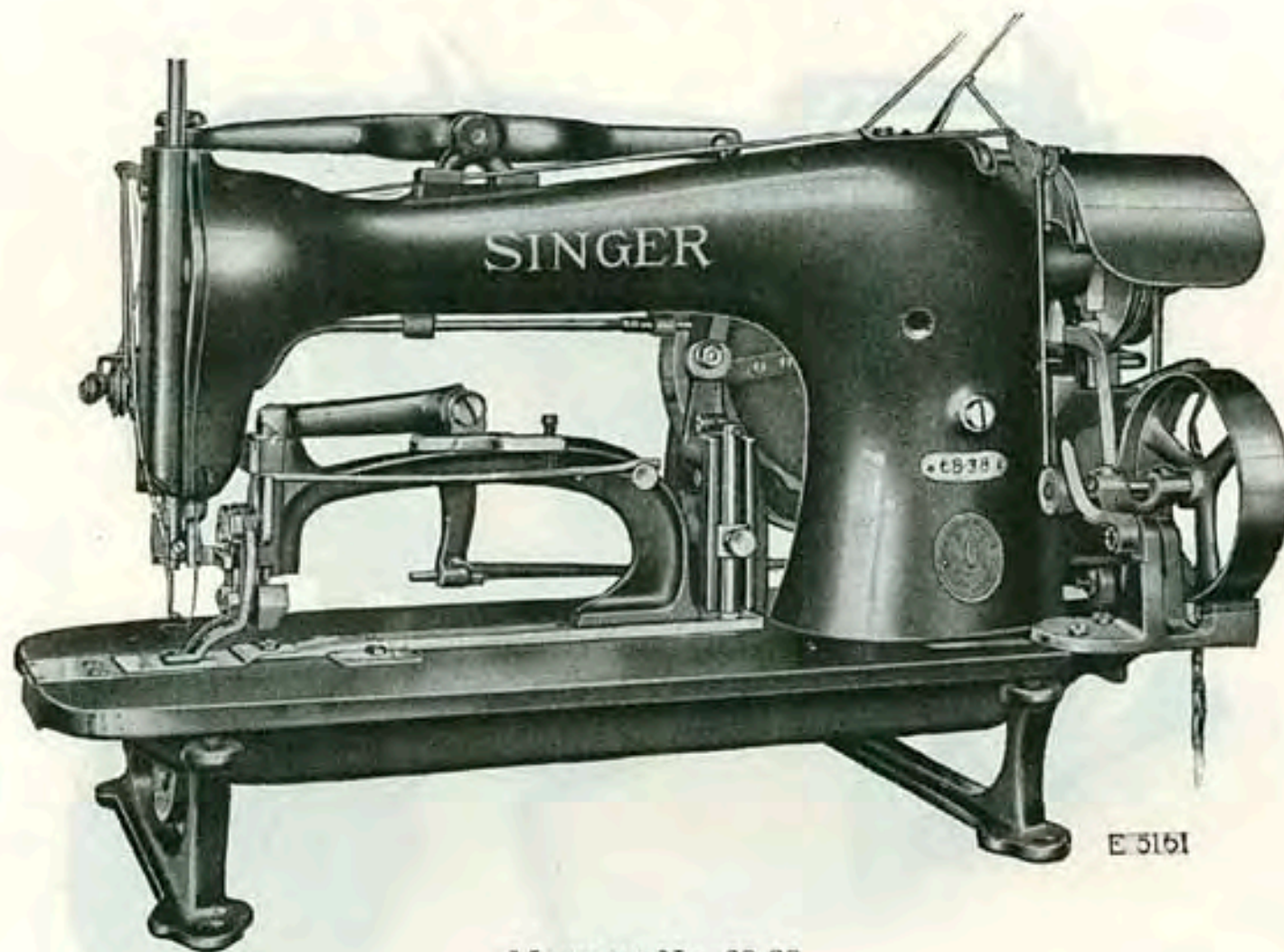


MACHINE No. 68-35

NO.	DESCRIPTION	PRICE
68-35	<p>FOR STITCHING TAPE REINFORCEMENTS, <math>1\frac{1}{8} \times \frac{1}{2}</math> inches, for buttons and buttonholes, on the under side of union suits; also for stitching laundry tags on shirts, underwear, etc. The machine makes 42 stitches including the tying stitches and is fitted with an automatic device for carrying a folded strip from a reel to the carrying clamp, at which point it is automatically creased and cut to the required length. By depressing the foot treadle the foot of the work holding clamp is raised, the cut reinforcement is advanced, the ends folded and it is placed in position in the work holding clamp ready to be stitched to the garment. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . Speed 1000. Cipher, EMLAX. See Form 9577. Weight in lbs., 78 net, 112 gross. Cubic meas., 3 ft. 9 in.</p>	



MACHINES OF CLASS 68



MACHINE No. 68-38

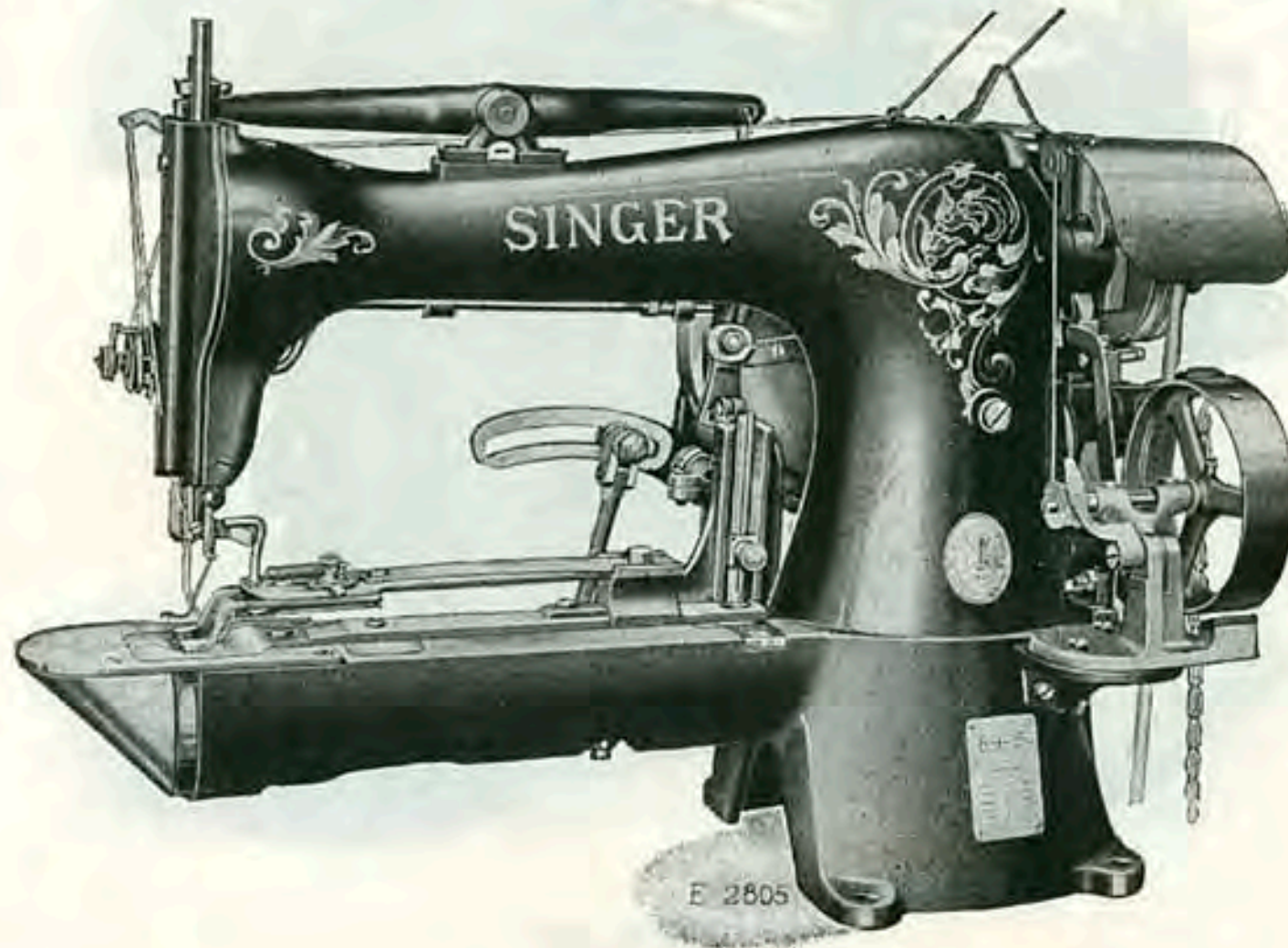
NO.	DESCRIPTION	PRICE
<b>68-38</b>	<p>FOR BARRING BUTTONHOLES IN CLOTHING. Makes bar <math>\frac{1}{8}</math> to <math>\frac{1}{4}</math> inch long consisting of seven staying, eleven covering and three tying stitches. The machine is fitted with a special clamp that is manually operated for contracting the buttonhole. Shuttle No. 39296. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches... Speed 1000. Cipher, ESBAE. See Form 9617. Weight in lbs., 73 net, 106 gross. Cubic meas., 3 ft. 9 in.</p>	

NOTE. This machine is used in connection with 99 w 75, 99 w 76 and 99 w 77 Machines.



# MACHINES OF CLASS 69

Cylinder bed. Automatic thread cutting mechanism. Bobbin No. 2996.



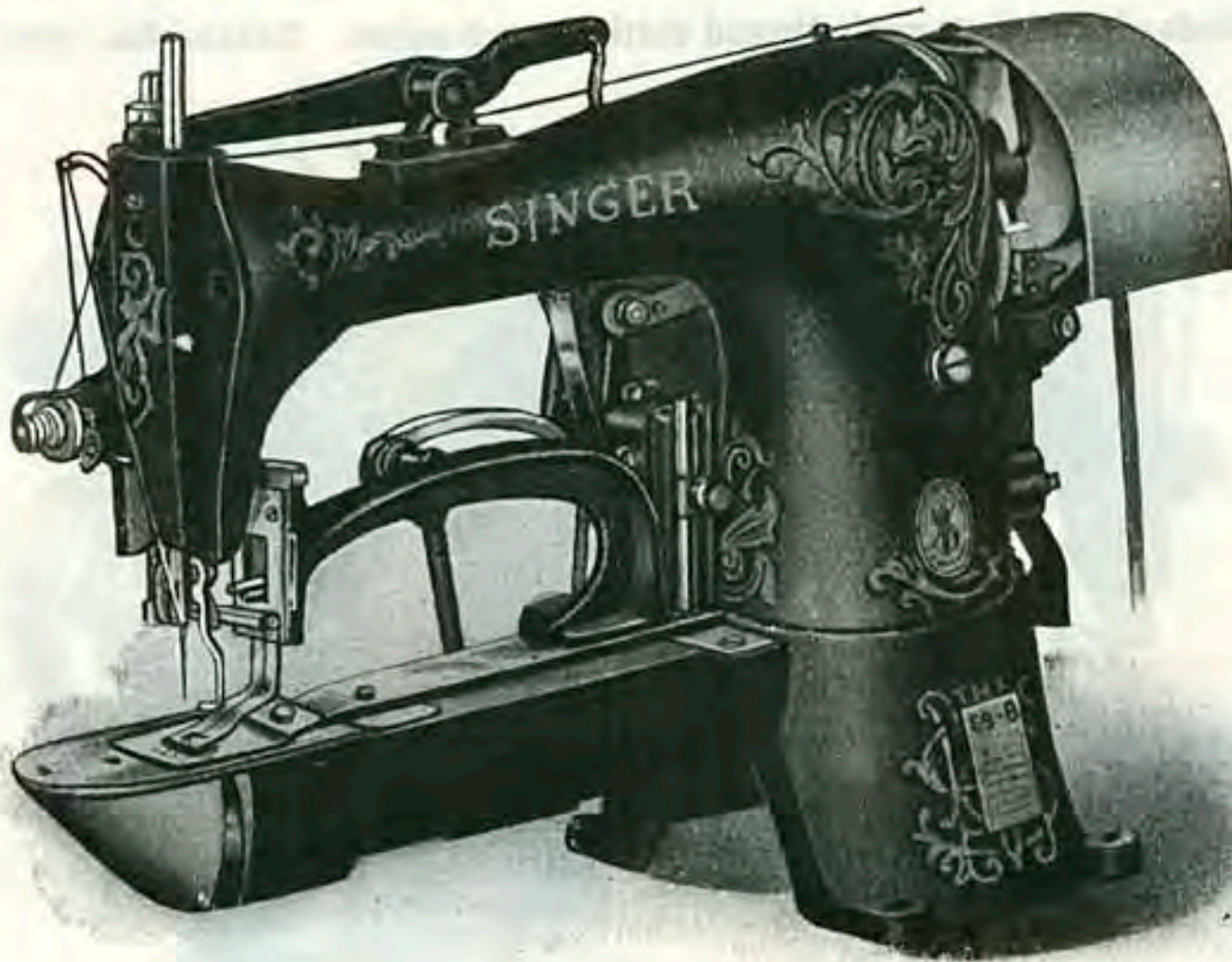
MACHINE No. 69-5

The machines of Class 69 (cylinder bed) are for the same general work as those of Class 68 (flat bed) but are largely used for work which cannot be conveniently handled upon a flat bed machine. (See description machines of Class 68). The machine makes the required number of stitches, including tying stitches, and cuts off both threads close to the under side of the work.

NO.	DESCRIPTION	PRICE
69-5	FOR SEWING FLAT BUTTONS UPON KNEE PANTS, COAT SLEEVES AND OTHER GARMENTS. Makes crossed stitches in four hole buttons and can be adjusted for two hole and bar buttons. Makes eighteen cross and three tying stitches. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMLEZ. See Form 9237. Weight in lbs., 74 net, 104 gross. Cubic meas., 3 ft. 4 in.	
69-6	FOR SEWING ON SMALL BUTTONS ONLY, FOR SHIRTS, WAISTS, UNDERWEAR, ETC. Makes crossed stitches in four hole buttons and can be adjusted for two hole and bar buttons. Makes eleven cross and three tying stitches. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMLOB. See Form 9237. Weight in lbs., 76 net, 106 gross. Cubic meas., 3 ft. 4 in.	
69-7	FOR SHOE TACKING. Makes two stay, nine long, seven cross and three tying stitches. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMLUC. Weight in lbs., 73 net, 102 gross. Cubic meas., 3 ft. 4 in.	



MACHINES OF CLASS 69

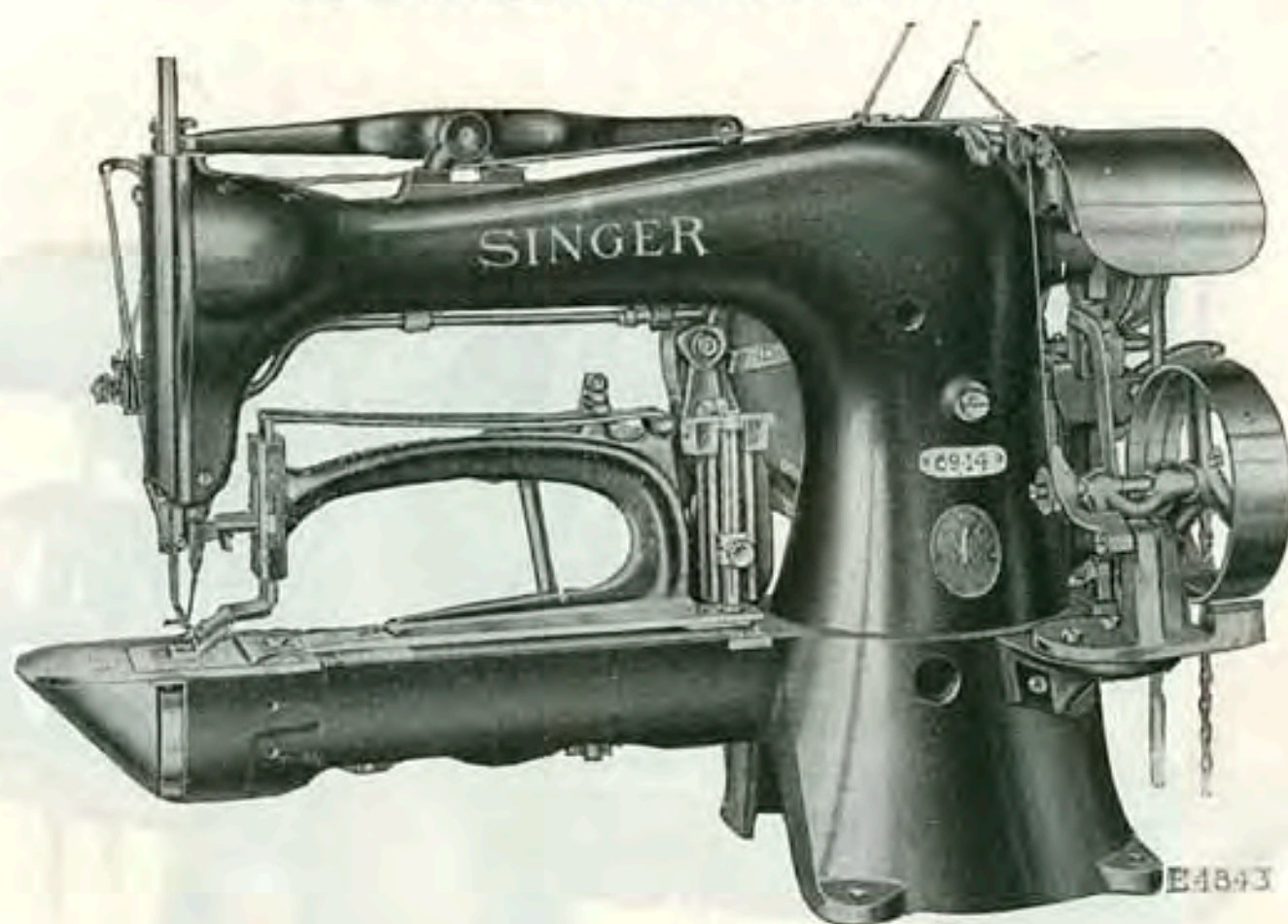


MACHINE No. 69-8

NO.	DESCRIPTION	PRICE
69-8	FOR BARRING POCKETS ON CLOTHING. Makes bar $\frac{5}{16}$ to $\frac{5}{8}$ inch long, consisting of twelve staying, twenty-seven covering and three tying stitches. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMLYD. See Form 9236. Weight in lbs., 75 net, 105 gross. Cubic meas., 3 ft. 4 in.	
69-9	FOR BARRING BUTTONHOLES IN FINE WORK, and for fastening bows or other ornaments upon shoes or garments. Makes bar $\frac{1}{8}$ to $\frac{1}{4}$ inch long, consisting of seven staying, eleven covering and three tying stitches. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMMAZ. See Form 9238. Weight in lbs., 76 net, 106 gross. Cubic meas., 3 ft. 4 in.	
69-10	Differs from Machine No. 69-9 only in having the clamp fitted for closing together the end of the buttonhole before barring. . . . . Speed 1000. Cipher, EMMIB. Weight in lbs., 76 net, 106 gross. Cubic meas., 3 ft. 4 in.	
69-11	FOR SEWING STRAPS UPON UNDERWEAR AND OTHER GARMENTS. Makes bar $\frac{3}{8}$ to $\frac{7}{8}$ inch long, consisting of three staying, thirty-six covering and three tying stitches. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMMOC. Weight in lbs., 75 net, 105 gross. Cubic meas., 3 ft. 4 in.	
69-12	FOR SHOE TACKING. Makes tack up to $\frac{3}{8}$ inch long, consisting of two stay, nine long and seven cross stitches. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . . Speed 1000. Cipher, EMMUD. See Form 9239. Weight in lbs., 75 net, 105 gross. Cubic meas., 3 ft. 4 in.	



MACHINES OF CLASS 69

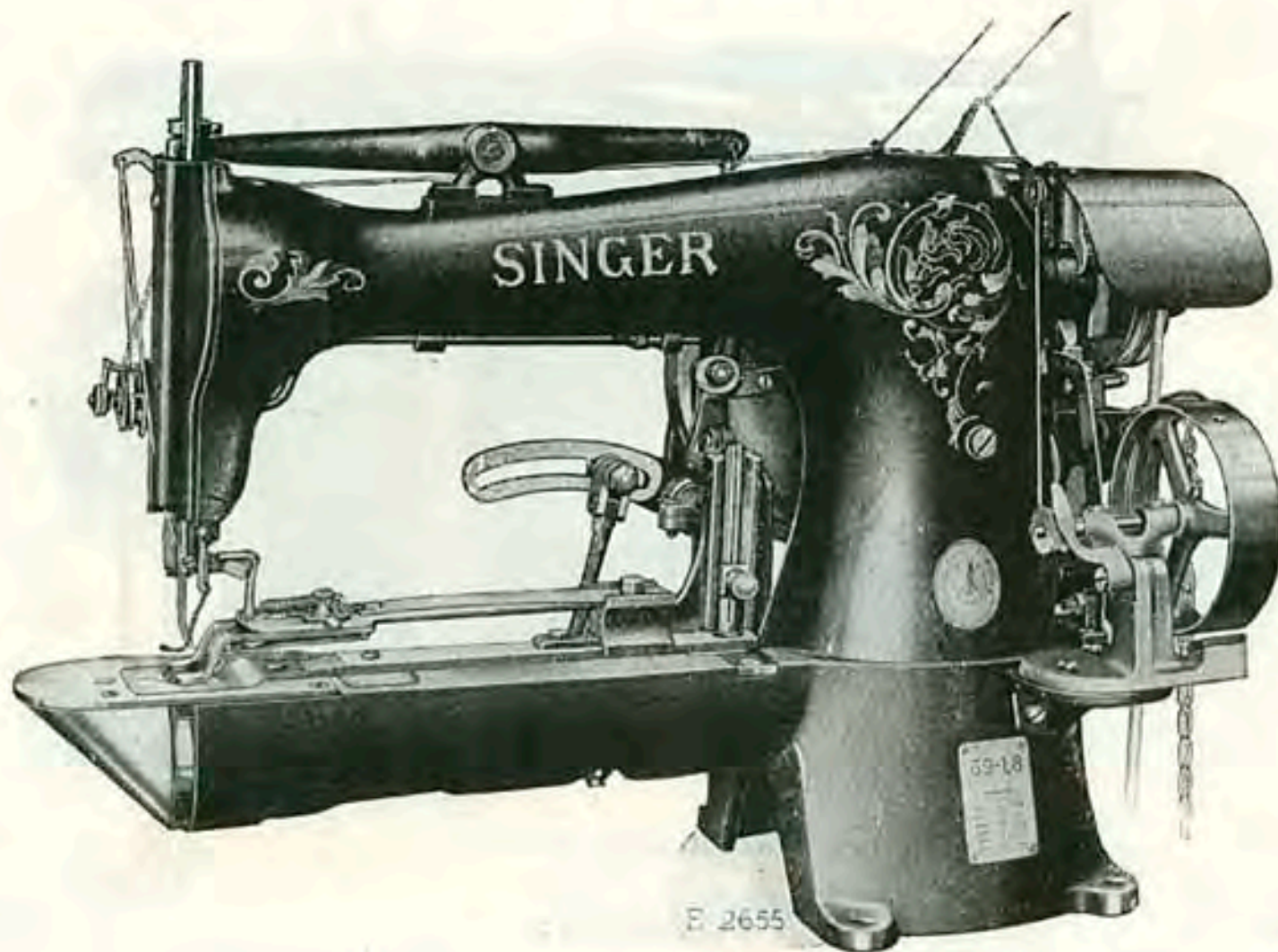


MACHINE No. 69-14

NO.	DESCRIPTION	PRICE
69-14	<p>FOR TACKING BLUCHER SHOES. Makes tack <math>\frac{7}{32}</math> to <math>\frac{7}{16}</math> inch long, consisting of eighteen staying stitches in two parallel lines and three tying stitches. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . .                      Speed 1000. Cipher, EMNIC. See Form 9240.                      Weight in lbs., 76 net, 106 gross. Cubic meas., 3 ft. 4 in.</p>	
69-15	<p>FOR STITCHING LARGE BUTTONS UPON COATS, CLOAKS, OVERCOATS, ETC. Makes crossed stitches in four hole buttons and can be adjusted for two hole and bar buttons. Needle throw <math>\frac{5}{32}</math> to <math>\frac{5}{16}</math> inch. Makes eighteen cross and three tying stitches. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches                      Speed 1000. Cipher, EMNOD. See Form 9241.                      Weight in lbs., 75 net, 105 gross. Cubic meas., 3 ft. 4 in.</p>	
69-16	<p>FOR TACKING MEN'S AND BOYS' BLUCHER SHOES. Makes tack <math>\frac{7}{32}</math> to <math>\frac{7}{16}</math> inch long, consisting of eighteen stitches in two parallel lines and three tying stitches. Has long beak shuttle No. 39296, otherwise same as Machine No. 69-14. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . .                      Speed 1000. Cipher, EMPAC. See Form 9240.                      Weight in lbs., 74 net, 104 gross. Cubic meas., 3 ft. 4 in.</p>	



## MACHINES OF CLASS 69

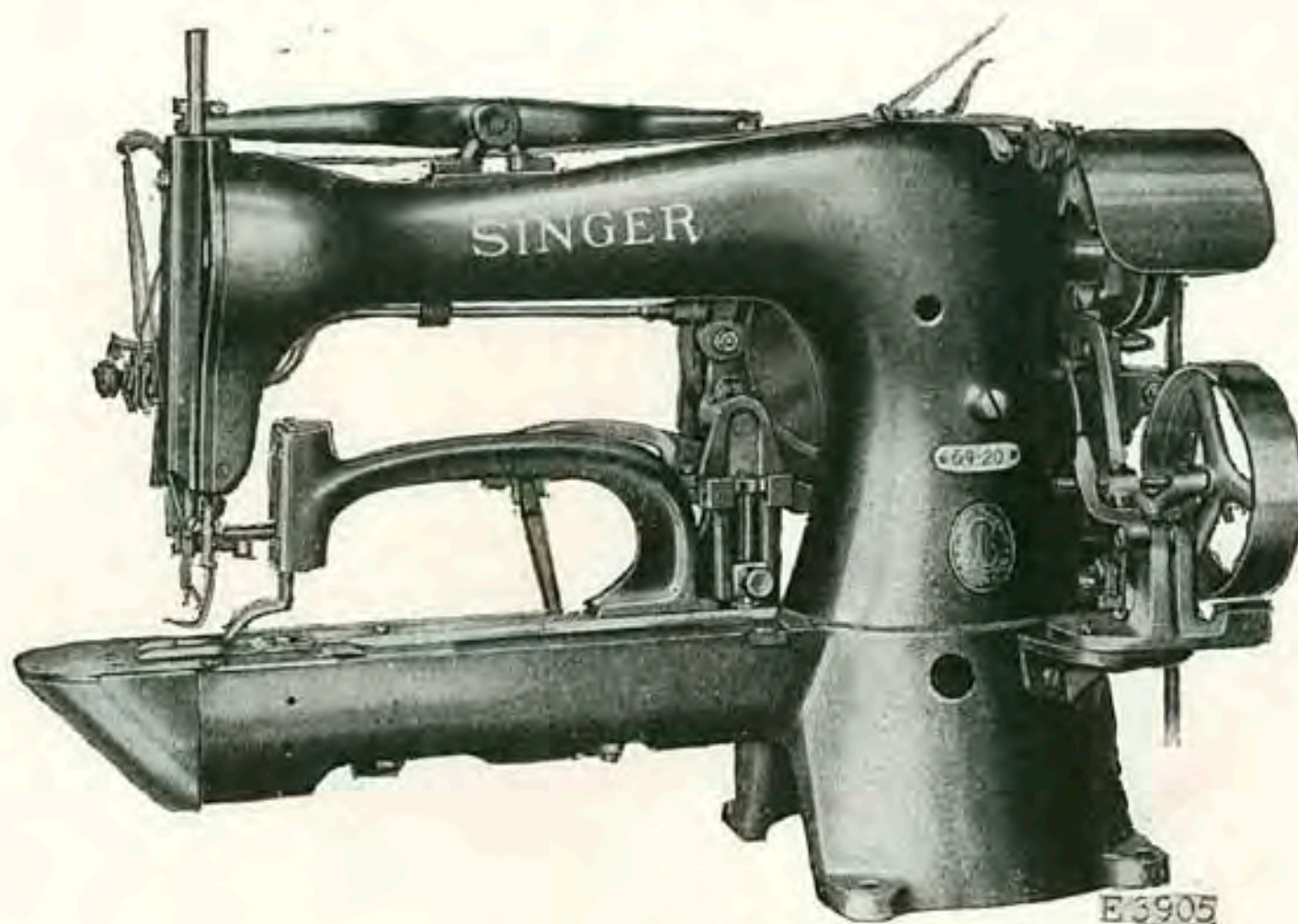


MACHINE No. 69-18

NO.	DESCRIPTION	PRICE
69-17	FOR STITCHING TWO OR FOUR HOLE GROOVED BUTTONS ON MEN'S AND BOYS' CLOTHING. Makes two separate bars in four hole buttons; no cross stitches between the bars. After the first bar is completed and the thread cut, the clamp automatically brings the button into position for the second bar. Makes eighteen stitches, including three tying stitches, to each bar. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. Speed 1000. Cipher, EMPED. Weight in lbs., 76 net, 106 gross. Cubic meas., 3 ft. 4 in.	
69-18	FOR STITCHING TWO OR FOUR HOLE GROOVED BUTTONS ON MEN'S AND BOYS' CLOTHING. Makes two separate bars in four hole buttons; no cross stitches between the bars. After the first bar is completed and the thread cut, the clamp automatically brings the button into position for the second bar. Makes nine stitches, including three tying stitches, to each bar. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. . . . Speed 1000. Cipher, EMPIE. Weight in lbs., 76 net, 106 gross. Cubic meas., 3 ft. 4 in.	
69-19	FOR SHOE TACKING. Makes tack up to $\frac{3}{8}$ inch long, consisting of two stay, nine long and seven cross stitches. Pulley No. 17942. Diameter of belt groove $2\frac{7}{8}$ inches. Has long beak shuttle No. 39296, otherwise same as Machine No. 69-12. . . . . Speed 1000. Cipher, EMPOF. See Form 9475. Weight in lbs., 74 net, 104 gross. Cubic meas., 3 ft. 4 in.	



## MACHINES OF CLASS 69



MACHINE NO. 69-20

NO.	DESCRIPTION	PRICE
<b>69-20</b>	<p>FOR MAKING THE FERN LEAF DESIGN AT THE UPPER END OF THE CLOCKING ON HOSIERY. Makes 42 stitches in the complete design. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches.....</p> <p>Speed 1000. Cipher, EMPUG. See Form 9586.</p> <p>Weight in lbs., 73 net, 103 gross. Cubic meas., 3 ft. 4 in.</p>	

NOTE. The 81-16 Machine, for making the stem of the clocking, is used in connection with this machine.

<b>69-21</b>	<p>FOR MAKING THE ARROW HEAD DESIGN AT THE UPPER END OF THE STEM OF CLOCKING ON HOSIERY. Makes 36 stitches in the complete design. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches.....</p> <p>Speed 1000. Cipher, EMPYH. See Form 9586.</p> <p>Weight in lbs., 75 net, 105 gross. Cubic meas., 3 ft. 4 in.</p>	
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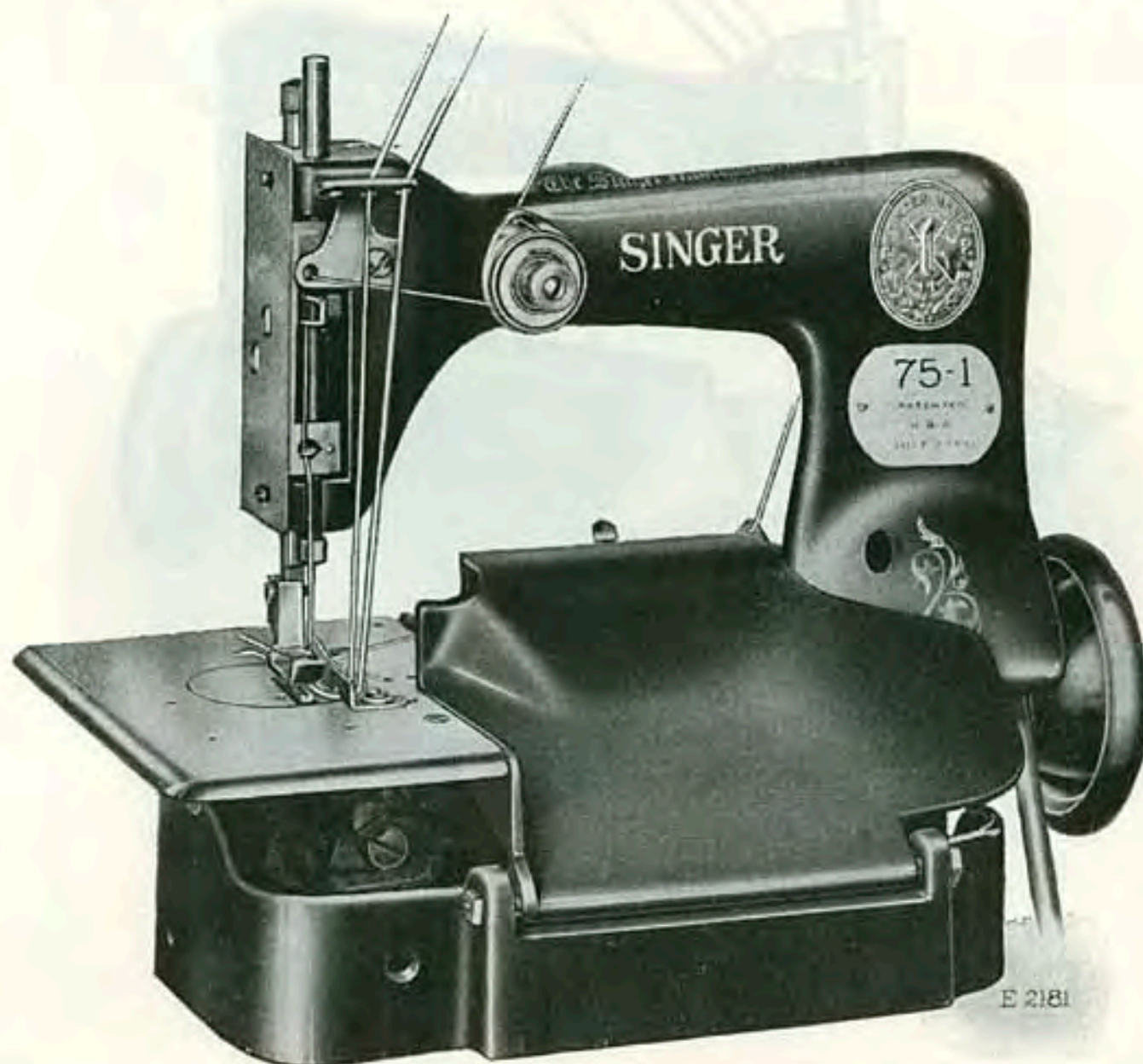
NOTE. The 81-16 Machine, for making the stem of the clocking, is used in connection with this machine.

NO.	DESCRIPTION	PRICE
<b>69-22</b>	<p>FOR STITCHING LAUNDRY TAGS ON SHIRTS, UNDERWEAR, ETC.; ALSO FOR TACKING BLUCHER SHOES. The machine is fitted with a work holding clamp and feed cam for sewing a rectangle <math>\frac{39}{64}</math> inch by <math>\frac{15}{16}</math> inch, consisting of 21 stitches, including the tying stitches. Shuttle No. 21561. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches.....</p> <p>Speed 1000. Cipher, EMRAD. See Form 9663.</p> <p>Weight in lbs., 74 net, 104 gross. Cubic meas., 3 ft. 4 in.</p> <p>Formerly 69 S. V. 39 Machine. (October, 1924).</p>	



# MACHINES OF CLASS 75

Base 8<sup>5</sup>/<sub>8</sub> inches long, 7 inches wide. Two thread chain stitch.

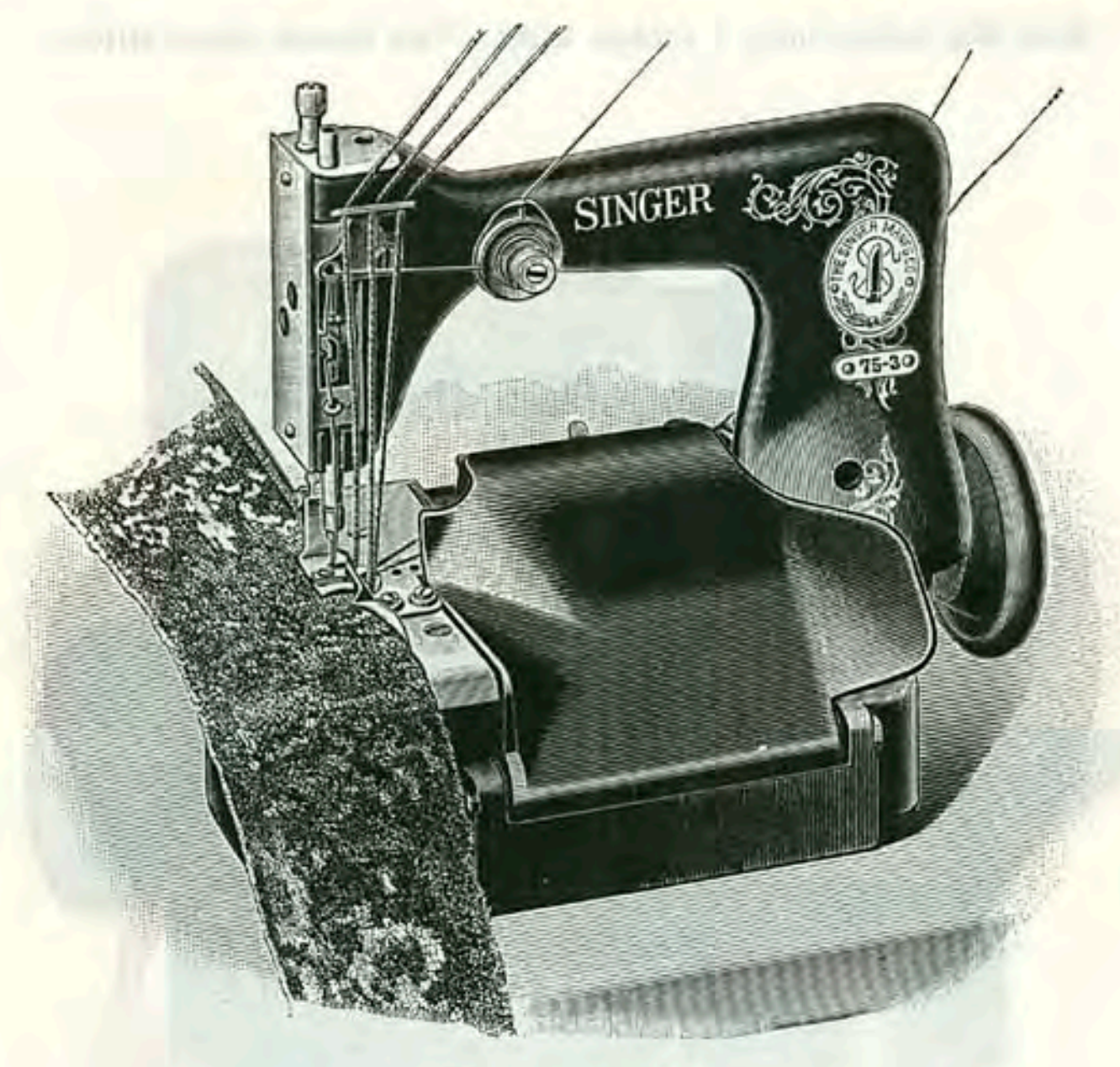


MACHINE No. 75-1

NO.	DESCRIPTION	PRICE
75-1	FOR OVEREDGING; also for uniting the edges of fabrics by over-edge stitches, inserting, etc. Balance wheel No. 32026. Pulley No. 32027. Diameter of belt groove 2 inches. . . . . Speed 3000. Cipher, ENCOS. See Form 9068. Weight in lbs., 28 net, 58 gross. Cubic meas., 3 ft. 2 in.	



MACHINES OF CLASS 75

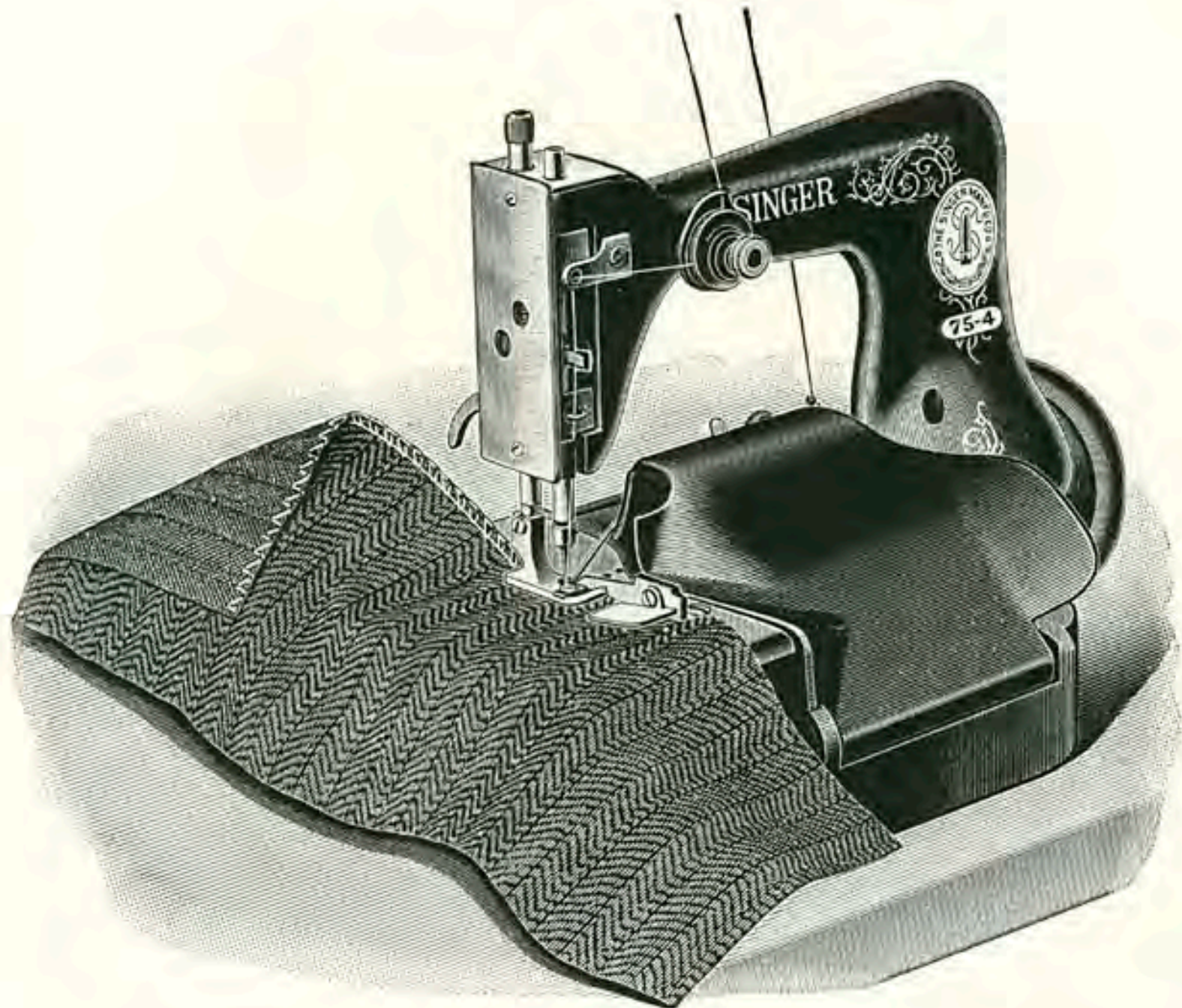


MACHINE No. 75-3

NO.	DESCRIPTION	PRICE
<b>75-3</b>	<p>FOR MAKING AN OVEREDGE FINISH ON CARPETS, RUGS, ETC.                      Has guides for laying cords under the covering threads. Balance wheel No. 32026. Pulley No. 32027. Diameter of belt groove 2 inches.....                      Speed 3000. Cipher, ENCUT. See Form 9068.                      Weight in lbs., 34 net, 64 gross. Cubic meas., 3 ft. 2 in.</p>	



## MACHINES OF CLASS 75



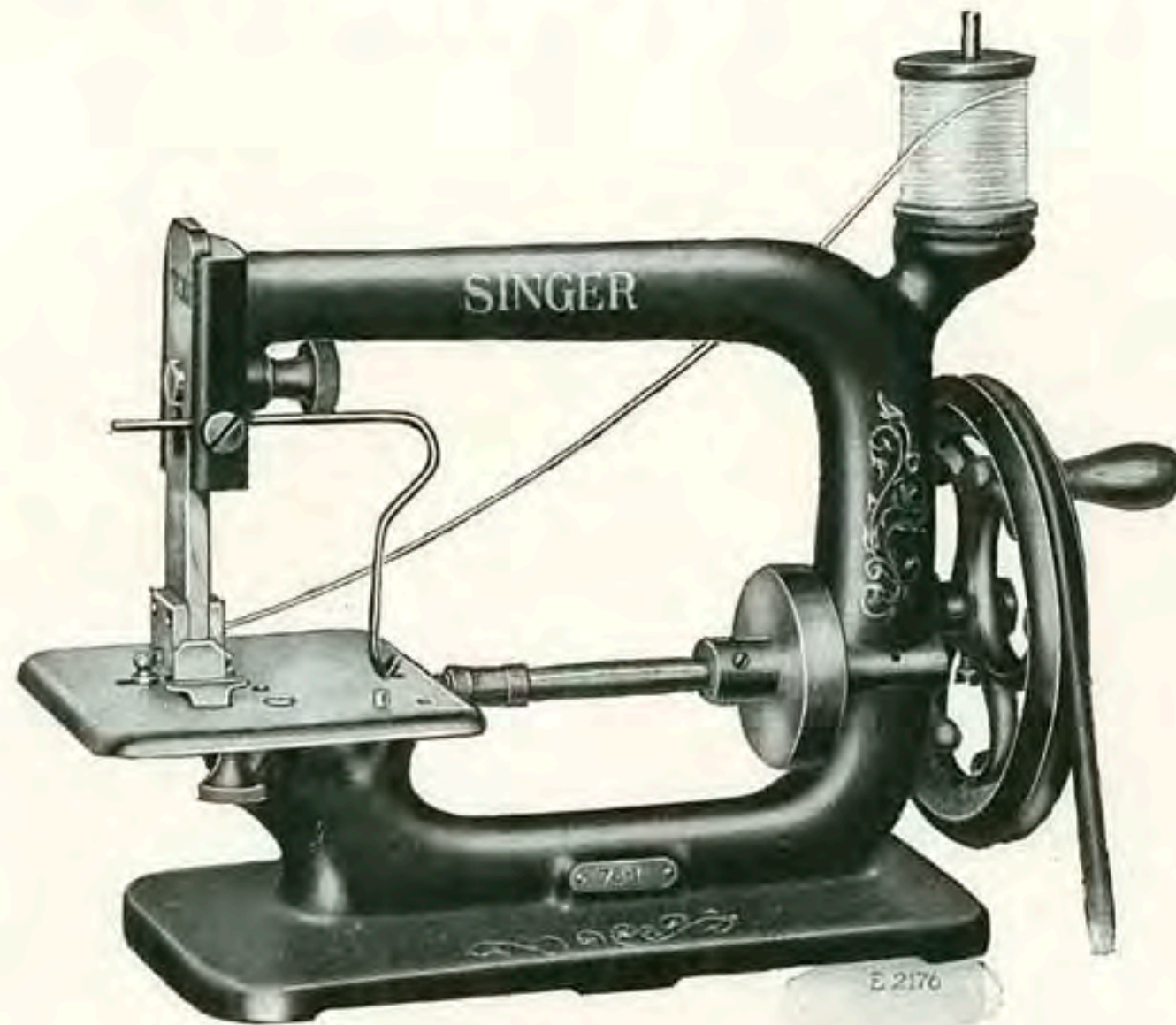
MACHINE No. 75-4

NO.	DESCRIPTION	PRICE
<b>75-4</b>	FOR SERGING PANTS AND OTHER CUT EDGES OF CLOTH. Has guide, adjustable for different thicknesses. Knee lifter. Balance wheel No. 32026. Pulley No. 32027. Diameter of belt groove 2 inches..... Speed 3000. Cipher, ENDAP. See Form 9068. Weight in lbs., 34 net, 64 gross. Cubic meas., 3 ft. 2 in.	
<b>75-5</b>	FOR FLANNELS AND LIGHT FABRICS. Trims and overedges fabrics and at the same time lays one or more cords under the overedge stitches. Balance wheel No. 32026. Pulley No. 32027. Diameter of belt groove 2 inches..... Speed 3000. Cipher, ENDER. See Form 9068. Weight in lbs., 38 net, 68 gross. Cubic meas., 3 ft. 2 in.	

NOTE. To use the trimming machines of Class 75 successfully, the customer should be provided with knife grinder No. 27904. As one grinder will serve for several machines, it is not included as part of the head and must be ordered separately on Form 430.



## MACHINES OF CLASS 76



MACHINE NO. 76-1

NO.	DESCRIPTION	PRICE
76-1	<p>MAKES RUNNING STITCH upon which the fabric may be gathered more or less as desired, or left flat and not gathered. Has stationary needle upon which the fabric is forced by the corrugated rolls. Balance wheel No. 39004. Diameter of belt groove 4½ inches. . . . Cipher, ENFIT. See Form 9069.</p> <p>Weight in lbs., 9 net, 19 gross. Cubic meas., 1 ft. 0 in.</p>	

NOTE. This machine can be fitted in either of the following ways, at the option of the purchaser:

FIRST. With coarse feed rolls Nos. 39008, 39022 and 39027, for coarse and medium weight material, one needle.

SECOND. With fine feed rolls Nos. 39009, 39023 and 39028, for light weight fabrics, one needle.

THIRD. With coarse feed rolls Nos. 39032, 39036 and 39038, for coarse and medium weight fabrics, two needles, 5/32 inch gauge.

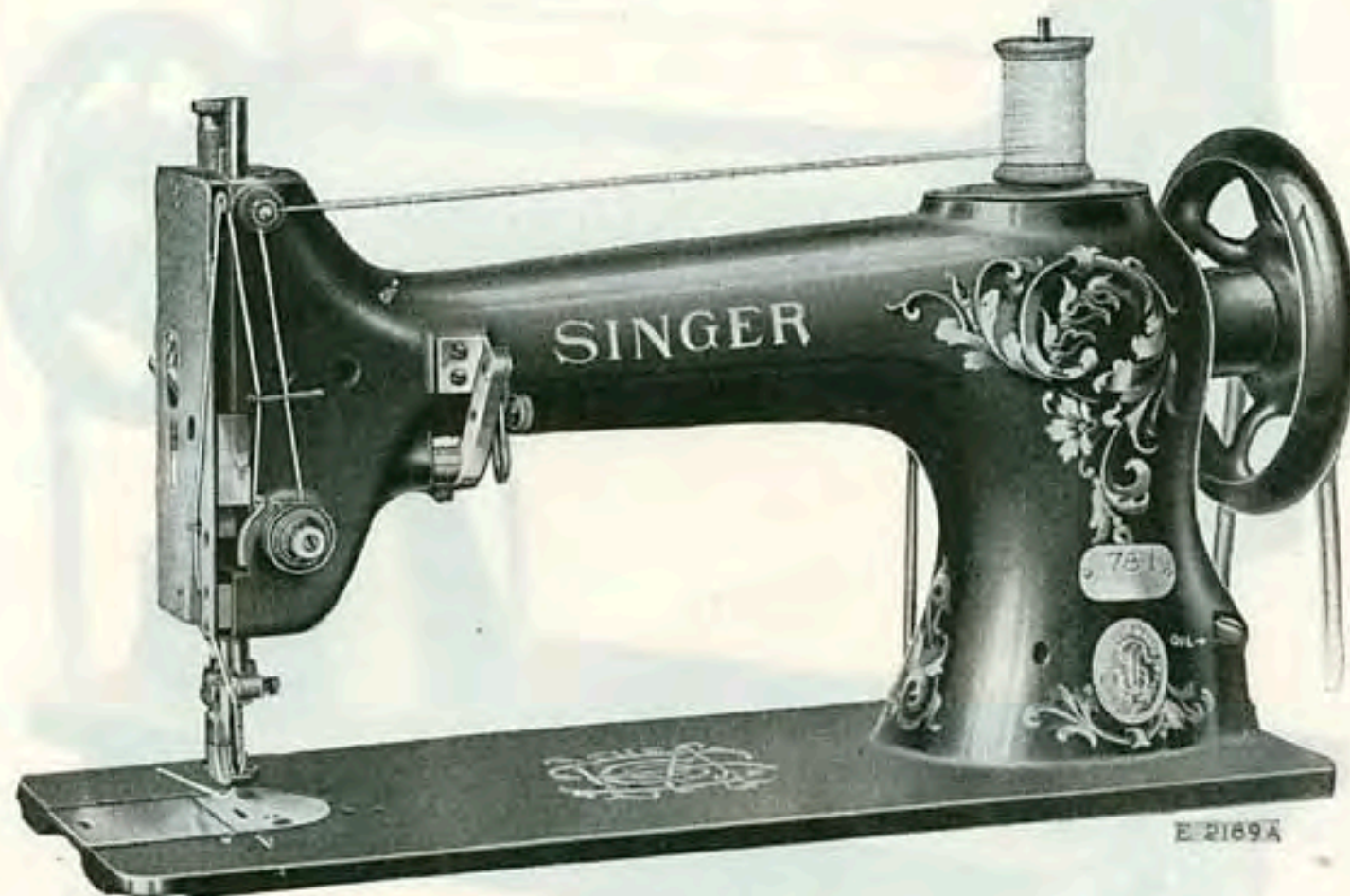
FOURTH. With fine feed rolls Nos. 39033, 39037 and 39039, for light weight fabrics, two needles, 5/32 inch gauge.

Unless otherwise specified on the order, coarse feed rolls for one needle will be furnished, and if more than one set of feed rolls is required, an additional charge will be made.



# MACHINES OF CLASS 78

Bed 18<sup>3</sup>/<sub>4</sub> inches long; 10<sup>1</sup>/<sub>2</sub> inches clear space at right of needle. Central bobbin.

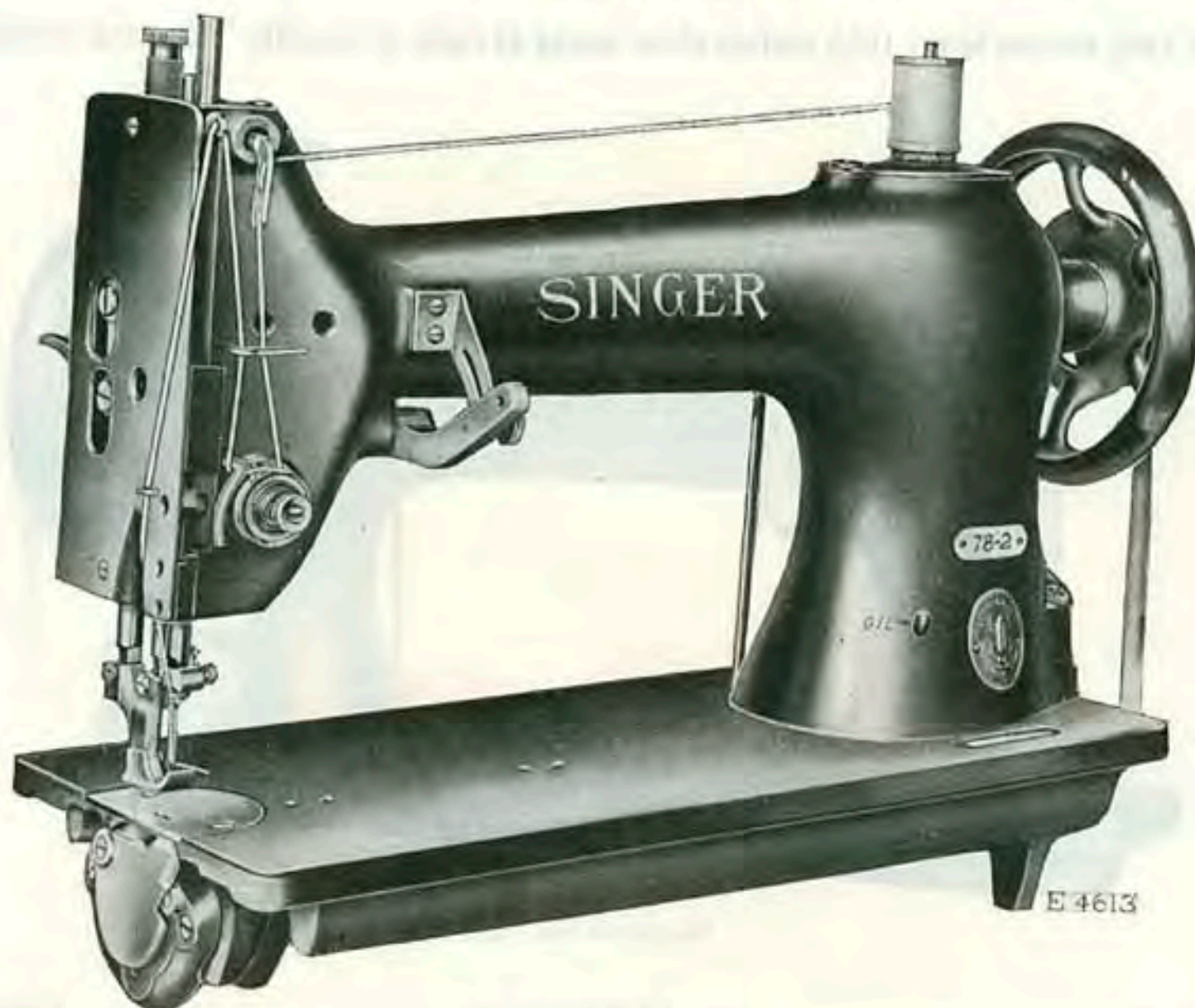


MACHINE No. 78-1

NO.	DESCRIPTION	PRICE
78-1	<p>FOR PLAIN STITCHING, BINDING, CORDING, WELTING, BRAIDING, ETC. For light work in harness, saddles, carriage trimming, adhesive material, cushion making, awnings, mattresses, tents, sails, heavy gloves and mittens, and many other articles. Combined upper and needle feed; no under feed. Shuttle No. 37855. Balance wheel No. 4370. Diameter of belt groove 2<sup>1</sup>/<sub>8</sub> inches. Can be furnished with attachments for many different operations. (See descriptive pamphlet). Price covers machine for plain stitching only.....</p> <p>Speed 1600. Cipher, ENGEN. See Form 9204.</p> <p>Weight in lbs., 54 net, 78 gross. Cubic meas., 2 ft. 3 in.</p> <p>See also Machine No. 7-10.</p>	



MACHINES OF CLASS 78

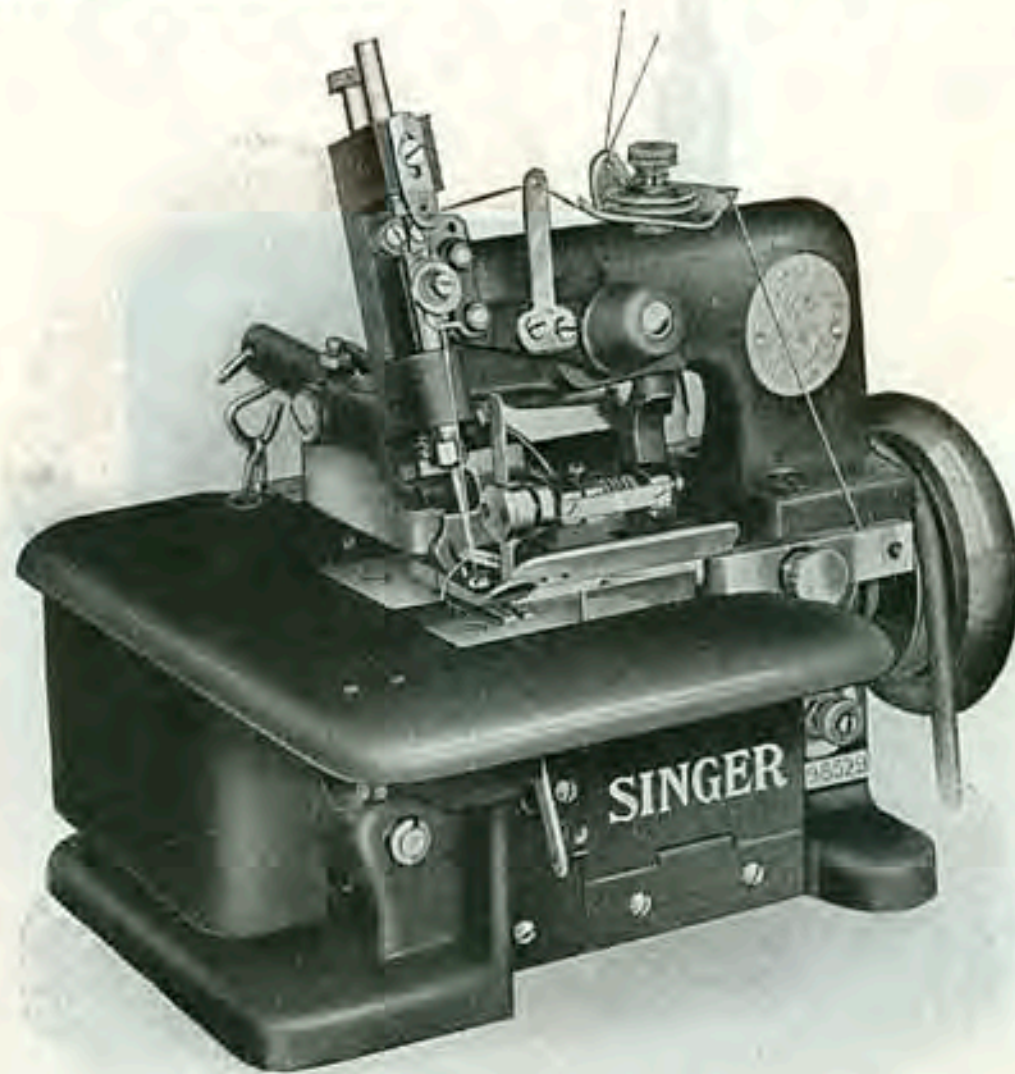


MACHINE No. 78-2

NO.	DESCRIPTION	PRICE
<b>78-2</b>	<p>FOR CLOSING FILLED MATTRESSES, ALSO FOR BINDING FILLED MATTRESSES AFTER THEY HAVE BEEN CLOSED. The end of the machine bed is flush with the shuttle race so that the mattress can be brought close to the needle. Combined upper and needle feed; no under feed. Shuttle No. 37855. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . .                      Speed 900. Cipher, ENGOL. See Form 9618.                      Weight in lbs., 53 net, 77 gross. Cubic meas., 2 ft. 3 in.</p> <p>NOTE. For binding mattresses with binder No. 36237, feeding foot No. 36238 and lifting foot No. 36239. These parts are not included in the list price of the machine, but will be charged for extra.</p>	
<b>78-3</b>	<p>FOR STITCHING AUTOMOBILE TOPS, CURTAINS, UPHOLSTERY, ALSO FOR PLAIN STITCHING IN FABRICS. Combined upper and needle feed; no under feed. Shuttle No. 37855. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . .                      Speed 1600. Cipher, ENGUZ.                      Weight in lbs., 55 net, 79 gross. Cubic meas., 2 ft. 3 in.</p> <p>NOTE. The list price of this machine includes the following fittings:                      FOR AUTOMOBILE WORK: Feeding foot No. 37328, lifting presser foot No. 36253 and oil cup No. 44225.                      FOR PLAIN STITCHING: Feeding foot No. 37358 and lifting presser foot No. 37329.</p>	



## MACHINES OF CLASS 81



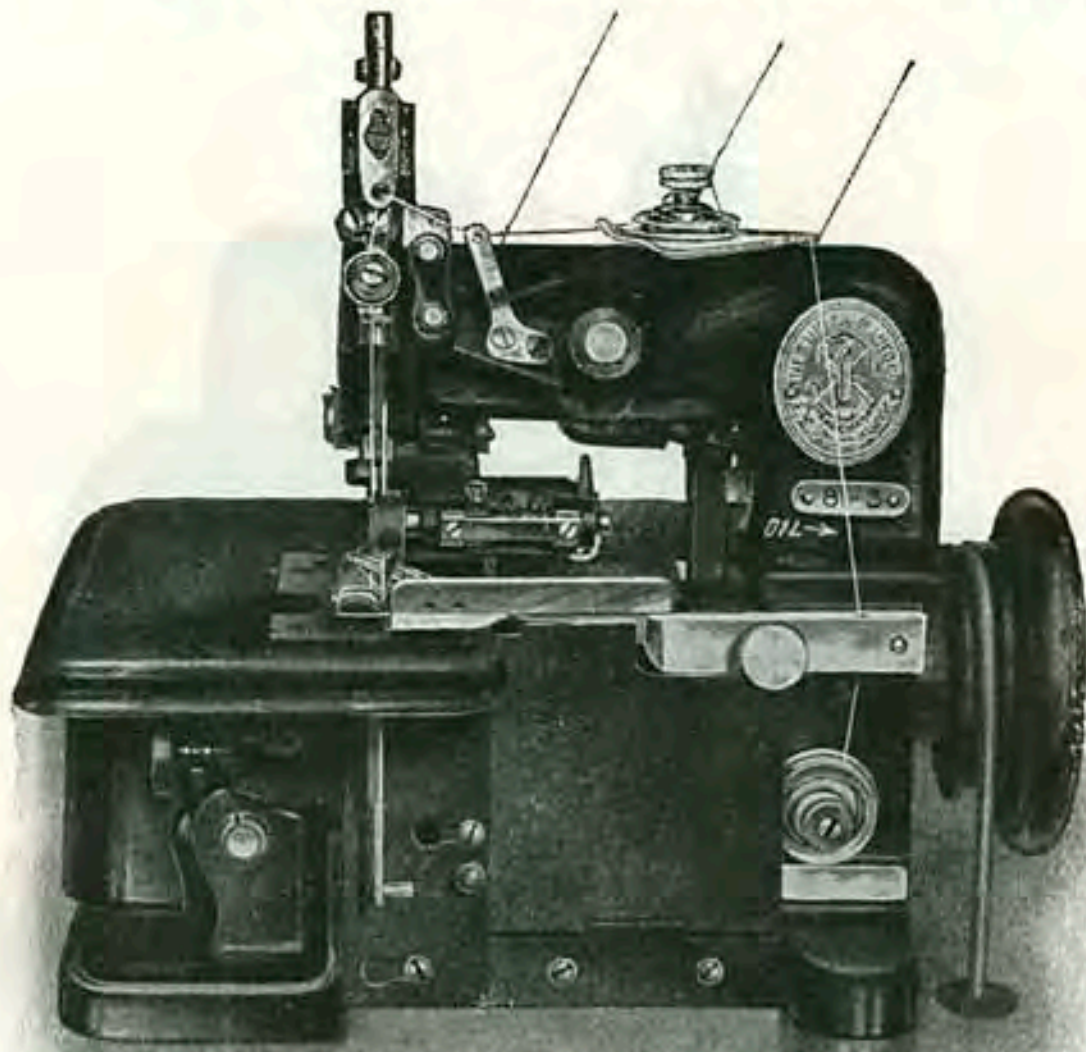
MACHINE No. 81-2

For covering edges of knit and woven fabrics, leather, felt, etc., with three or two-thread chain stitch as described. A machine fitted for making the three-thread stitch can be changed so as to make the two-thread stitch by substituting a spreader for the right hand looper as explained in the instruction book. Machines fitted for making the two-thread stitch can be changed to make the three-thread stitch by substituting a right hand looper for the spreader and supplying tension complete, tension thread guide, staple and take-up, with their fastening screws. The trimming machines of this class trim the edge of the goods in advance of the stitching so that the article can be shaped at the same time. To use the machines of Class 81 having trimmers, the customer should be provided with knife grinder No. 41335. One grinder will serve for several machines and they are not included as part of the head, but must be ordered separately on Form 430. See Form 9130.

NO.	DESCRIPTION	PRICE
81-1	FOR TRIMMING, SCALLOPING AND OVEREDGING LACE CURTAINS, WOVEN FABRICS, ETC., at the same time laying one or more cords under the overedge stitches if desired. Three-thread stitch. Balance wheel No. 42001. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 3300. Cipher, ENKEZ. See Form 9125. Weight in lbs., 38 net, 70 gross. Cubic meas., 3 ft. 7 in.	
81-2	FOR TRIMMING AND OVEREDGING FLANNELS, MUSLINS, DENIMS AND OTHER FABRICS; inserting sleeves in shirt waists, wrappers, etc.; also stitching pockets into trousers. Bight adjustable from $\frac{5}{32}$ to $\frac{7}{32}$ inch. Three-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 3300. Cipher, ENKFA. See Form 9126. Weight in lbs., 43 net, 75 gross. Cubic meas., 3 ft. 7 in.	



MACHINES OF CLASS 81

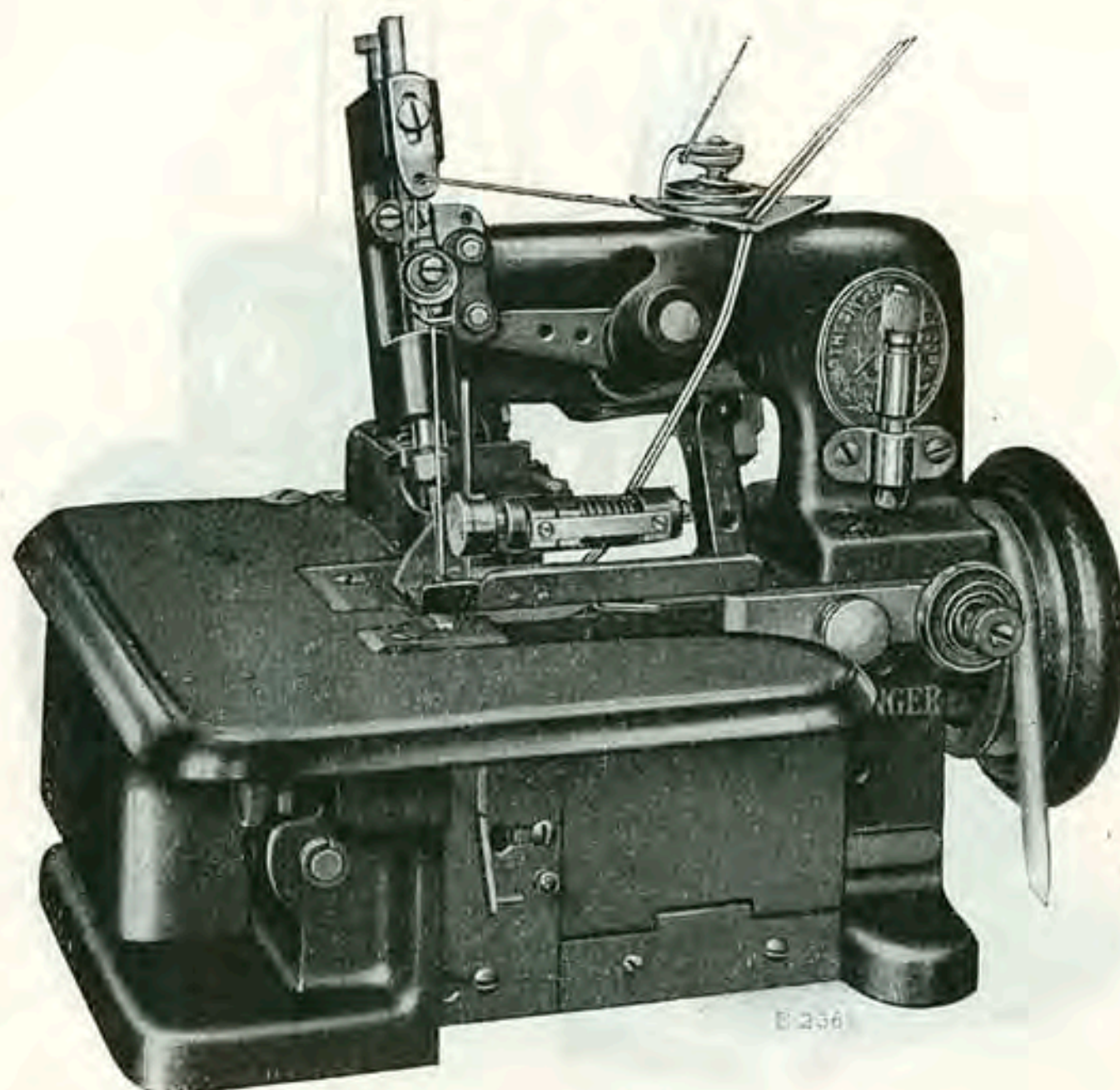


MACHINE No. 81-3

NO.	DESCRIPTION	PRICE
81-3	FOR TRIMMING, OVEREDGING AND CLOSING SEAMS IN KNIT GOODS. Has auxiliary feed to prevent fulling or "belling" the edges while stitching. Bight adjustable from $\frac{1}{8}$ to $\frac{3}{16}$ inch. Two-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 3300. Cipher, ENKLE. See Form 9127. Weight in lbs., 39 net, 58 gross. Cubic meas., 1 ft. 9 in.	
81-4	Differs from Machine No. 81-3 in having hand lever for quick adjustment of bight . . . . . Cipher, ENKYD. Weight in lbs., 39 net, 58 gross. Cubic meas., 1 ft. 9 in.	
81-5	FOR TRIMMING AND OVEREDGING FABRICS UP TO $\frac{5}{16}$ INCH THICK; also for closing pockets and stitching over heavy seams in trousers. Bight adjustable from $\frac{5}{32}$ to $\frac{7}{32}$ inch. Three-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove $2\frac{3}{16}$ inches Speed 3300. Cipher, ENLAZ. See Form 9126. Weight in lbs., 38 net, 57 gross. Cubic meas., 1 ft. 9 in.	
81-6	FOR TRIMMING, OVEREDGING AND BLIND STITCH HEMMING OR WELTING IN KNIT UNDERWEAR. Has auxiliary feed to prevent fulling or "belling" the edges while stitching. Two-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove $2\frac{3}{16}$ inches . . . . . Speed 3300. Cipher, ENLER. See Form 9217. Weight in lbs., 39 net, 58 gross. Cubic meas., 1 ft. 9 in.	



## MACHINES OF CLASS 81

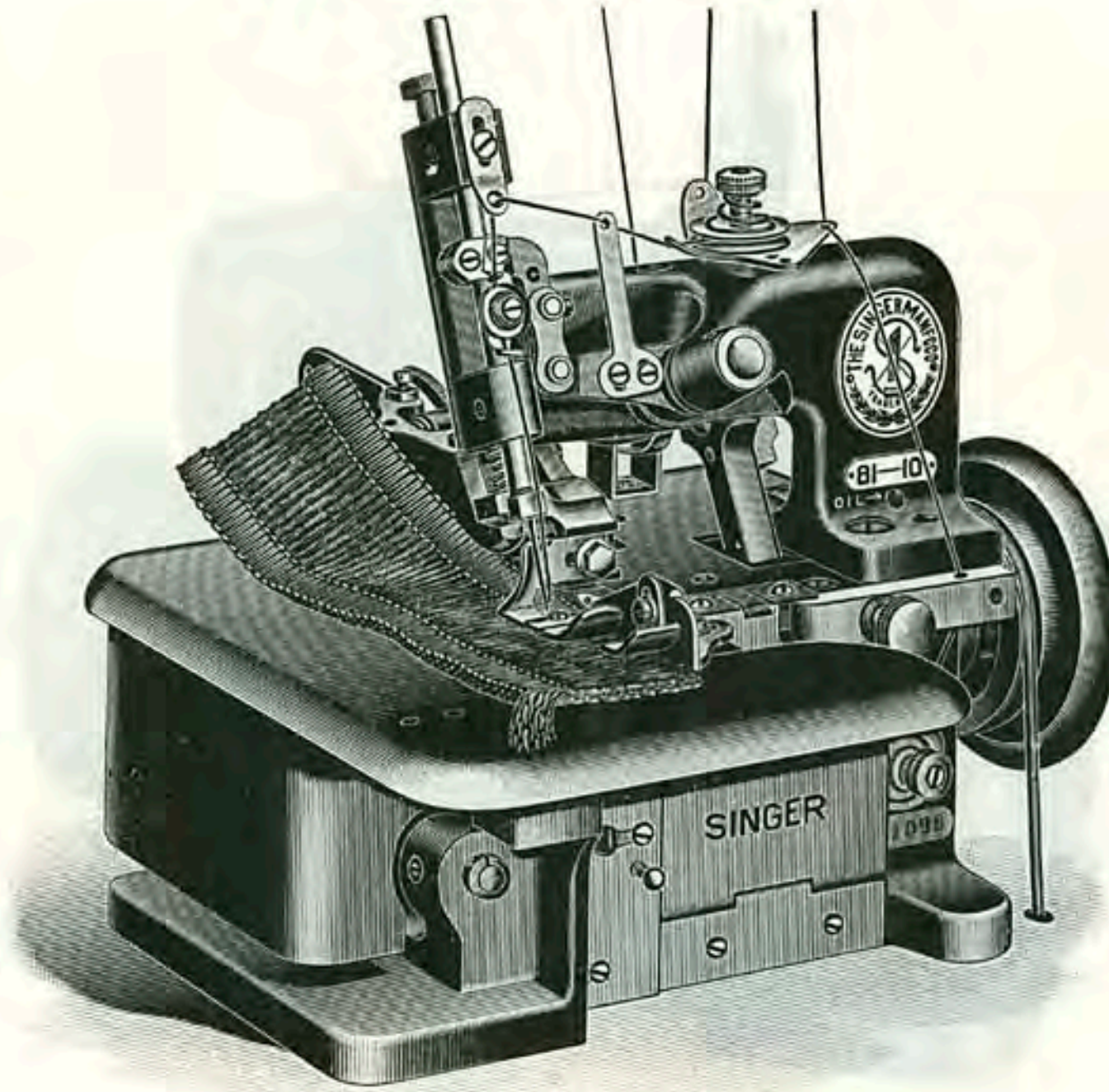


MACHINE NO. 81-S

NO.	DESCRIPTION	PRICE
81-7	FOR SEAMING AND INSERTING SLEEVES IN HEAVY SWEATERS. Has trimmer and auxiliary feed mechanism; high lift. Two-thread stitch. Foot lifter. This machine is regularly fitted with No. 42299 guide for blind stitch hemming and No. 42300 guide for selvage edges. Nos. 42303 guide complete for joining borders will be substituted for either No. 42299 or No. 42300 if so specified upon order. Balance wheel No. 42001. Diameter of belt groove $2\frac{3}{16}$ inches. Speed 3300. Cipher, ENLIA. See Form 9326. Weight in lbs., 40 net, 59 gross. Cubic meas., 1 ft. 9 in.	
81-8	FOR TRIMMING, SCALLOPING AND OVEREDGING LACE CURTAINS, WOVEN FABRICS, ETC., at the same time laying one or more cords under the overedge stitch if desired. The machine is fitted with a double feed dog; the height of the back feed dog can be adjusted by a hand lever at the back of the machine to accommodate different thicknesses of cords. Two-thread stitch. Also fitted with oil tubes for carrying oil to the front and back shaft bearings. Balance wheel No. 42001. Diameter of belt groove $2\frac{3}{16}$ inches. Speed 3300. Cipher, ENLOB. See Form 9411. Weight in lbs., 37 net, 57 gross. Cubic meas., 1 ft. 9 in.	
81-9	FOR SEAMING AND INSERTING SLEEVES AND HEMMING THE BOTTOMS AND CUFFS OF LIGHT AND MEDIUM SWEATERS. Has trimmer and auxiliary feed to prevent fulling or "belling" the edge while stitching, high lift. Foot lifter. Balance wheel No. 42001. Diameter of belt groove $2\frac{3}{16}$ inches. Speed 3300. Cipher, ENLUG. Weight in lbs., 38 net, 58 gross. Cubic meas., 1 ft. 9 in.	



## MACHINES OF CLASS 81



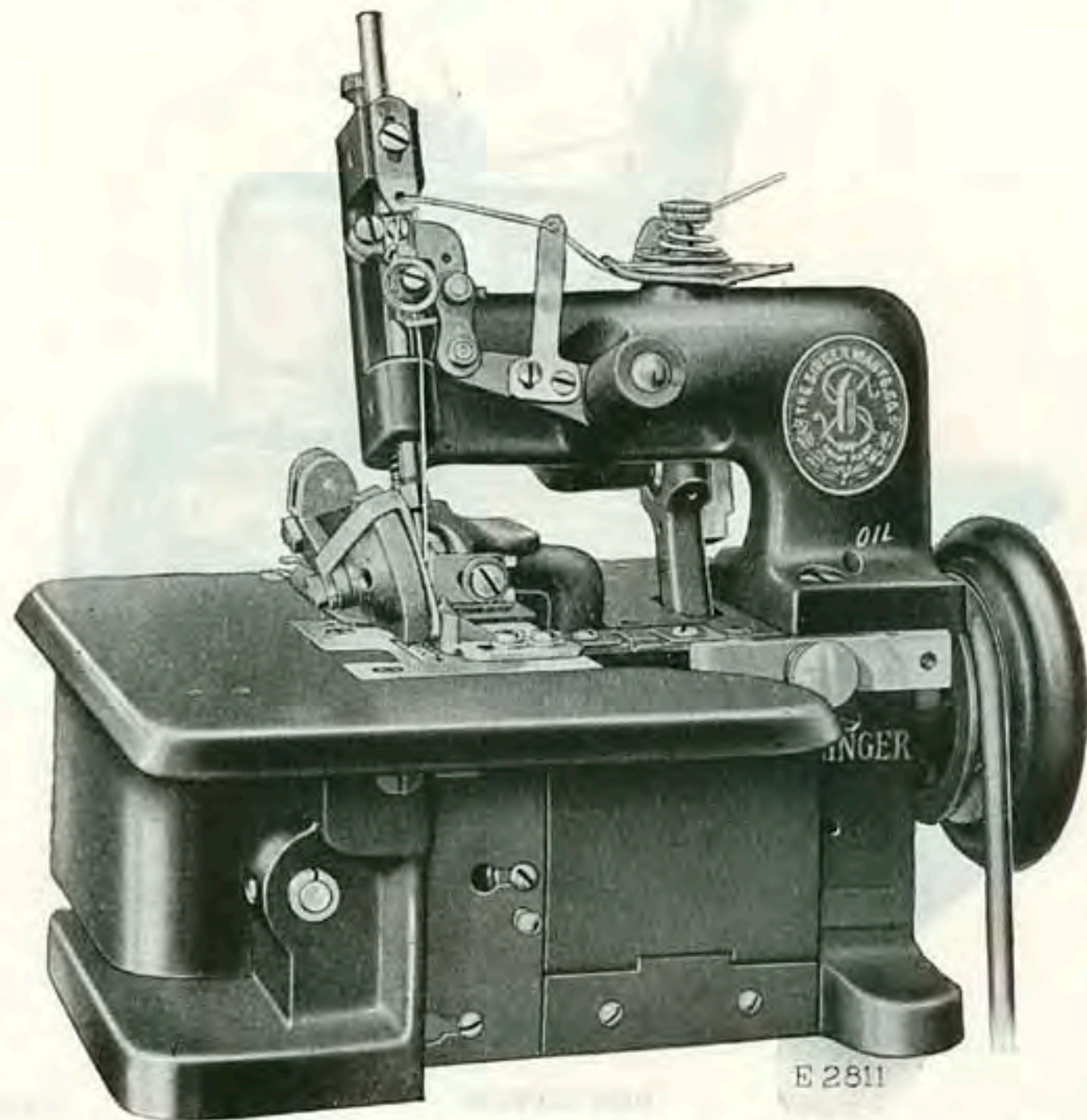
MACHINE No. 81-10

NO.	DESCRIPTION	PRICE
<b>81-10</b>	<p>FOR OVEREDGING CARPETS, RUGS, BLANKETS, ETC. No trimmer. Bight adjustable from <math>\frac{1}{4}</math> to <math>\frac{1}{2}</math> inch; greatest length of stitch <math>\frac{1}{4}</math> inch. Three-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 3000. Cipher, ENNIL. See Form 9215.                      Weight in lbs., 38 net, 58 gross. Cubic meas., 1 ft. 9 in.</p>	
<b>81-11</b>	<p>FOR CLOSING SELVAGE EDGES OF KNIT FABRICS, producing a flat seam. No trimmer. Two-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 3300. Cipher, ENNKO. See Form 9129.                      Weight in lbs., 37 net, 57 gross. Cubic meas., 1 ft. 9 in.</p>	
<b>81-12</b>	<p>FOR OVEREDGING FELT, CORK OR LEATHER INSOLES, ETC. No trimmer. Has clearance back of presser foot for convenience in stitching around curves. Bight adjustable from <math>\frac{1}{8}</math> to <math>\frac{1}{2}</math> inch. Three-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 3000. Cipher, ENNLY. See Form 9128.                      Weight in lbs., 37 net, 57 gross. Cubic meas., 1 ft. 9 in.</p>	

NOTE. This machine can also be used for overedging automobile rugs. When required for this purpose it must be so specified on order.



## MACHINES OF CLASS 81



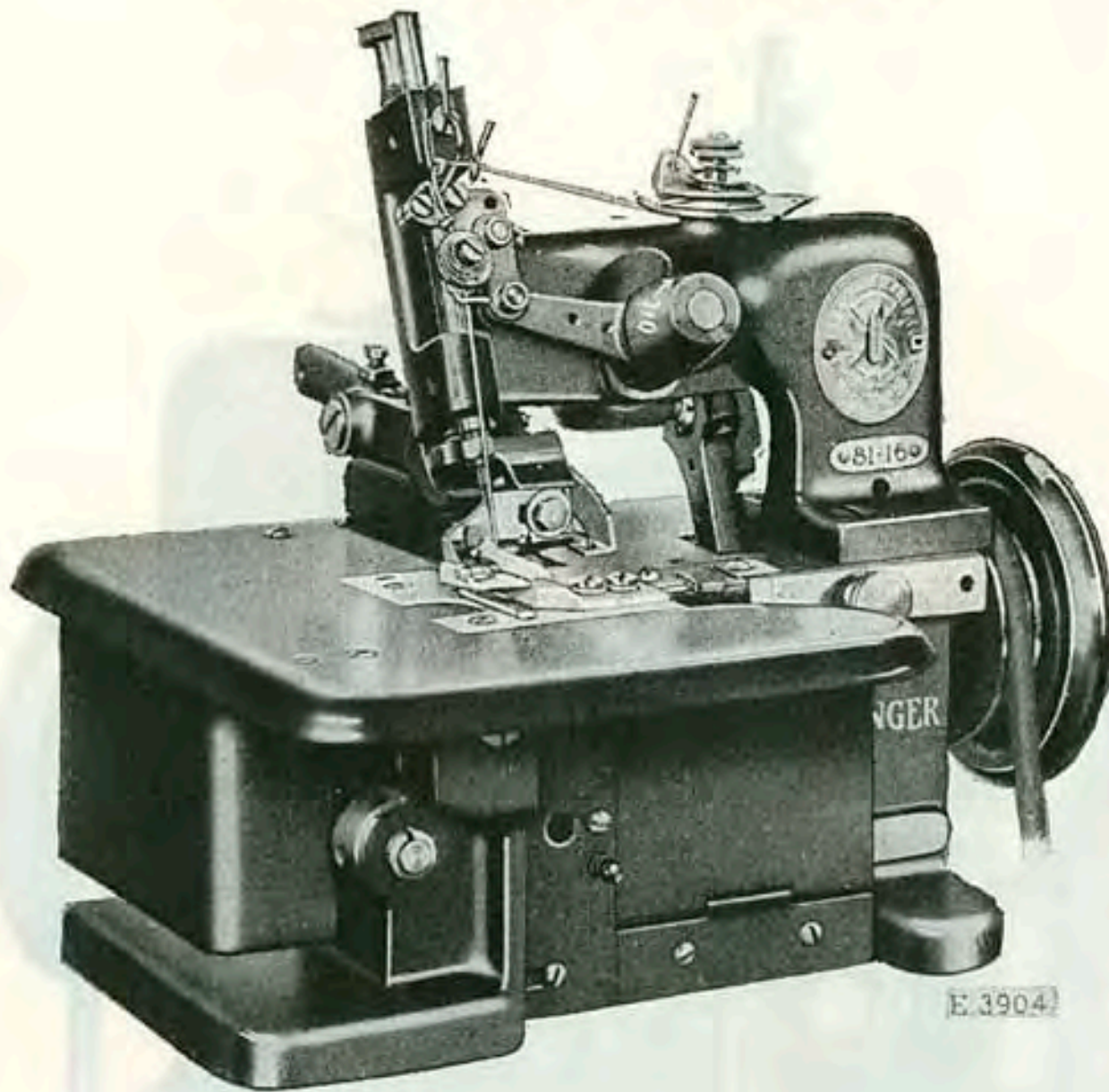
MACHINE No. 81-14

NO.	DESCRIPTION	PRICE
<b>81-13</b>	FOR SERGING PANTS AND CUT EDGES OF CLOTH. No trimmer. Has guide, adjustable for different thicknesses and width of bight. Two-thread stitch. Foot Lifter. Balance wheel No. 42001. Diameter of belt groove $2\frac{3}{16}$ inches . . . . . Speed 3300. Cipher, ENNOP. See Form 9549. Weight in lbs., 42 net, 74 gross. Cubic meas., 3 ft. 7 in.	
<b>81-14</b>	FOR CLOSING HEAVY GLOVES, OVEREDGING SHOE TOPS, ETC. No trimmer. Narrow bight, adjustable from $\frac{3}{64}$ to $\frac{3}{16}$ inch. Has clearance back of needle for stitching around abrupt curves. Roller presser. Two-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove $2\frac{3}{16}$ inches . . . . . Speed 3000. Cipher, ENNGE. See Form 9221. Weight in lbs., 35 net, 56 gross. Cubic meas., 1 ft. 9 in.	

NOTE. Machines of Class 81 will be fitted for two or three thread, as described, unless otherwise ordered.



MACHINES OF CLASS 81



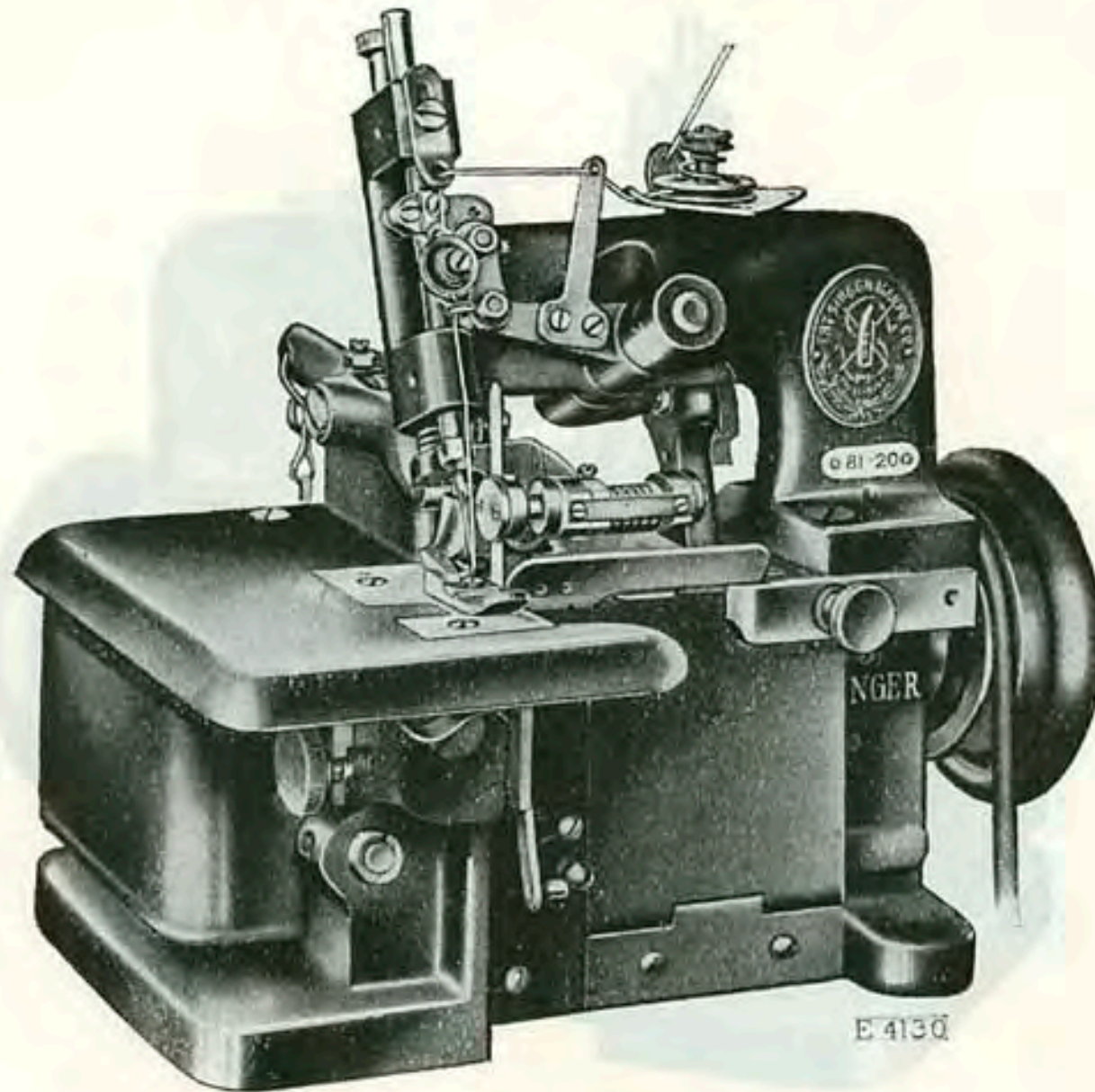
MACHINE No. 81-16

NO.	DESCRIPTION	PRICE
<b>81-16</b>	<p>FOR MAKING THE STEM OF THE CLOCKING ON HEAVY WOOLEN OR FINE SILK HOSIERY WITH LADDER OR IMITATION HAND STITCH WHERE MATERIAL IS REVERSED OR WITH ORNAMENTAL OVEREDGE STITCH IF SEWED ON THE OUTSIDE. A large variety of attractive effects may be obtained by using different colored thread in the needle and looper and by adjusting the tensions. No trimmer. Two-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....</p> <p>Speed 3000. Cipher, ENNYG. See Form 9586.</p> <p>Weight in lbs., 38 net, 58 gross. Cubic meas., 1 ft. 9 in.</p>	

NOTE. The 69-20 Machine for the fern leaf design or the 69-21 Machine for the arrow head design, is used in connection with this machine.



MACHINES OF CLASS 81

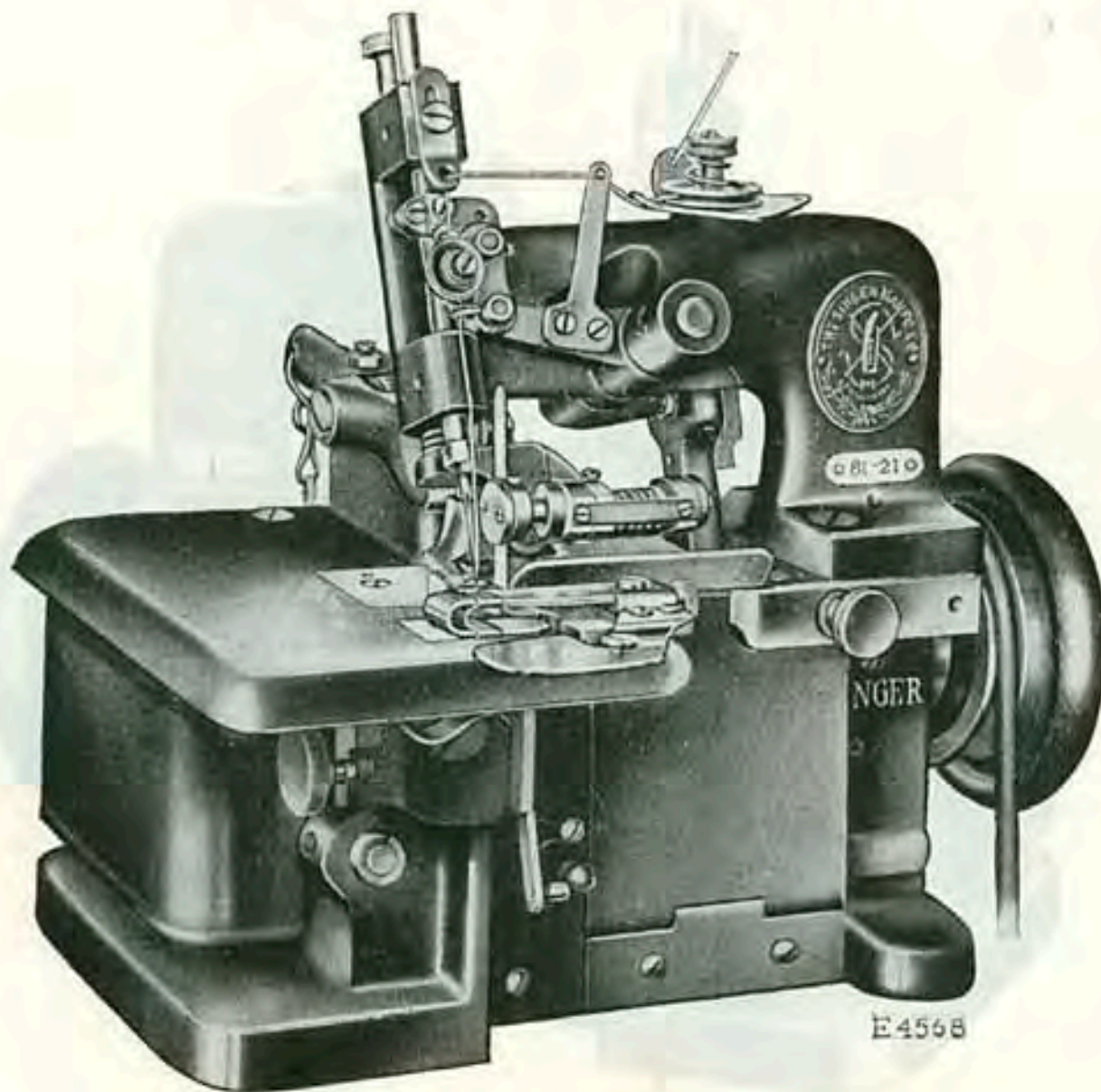


MACHINE No. 81-20

NO.	DESCRIPTION	PRICE
81-20	<p>FOR TRIMMING, OVEREDGING AND CLOSING SEAMS IN FINE STOCKINGS AND UNDERWEAR MADE OF SILK, LISLE THREAD, ETC. Has auxiliary feed to prevent fulling the edges while stitching. Bight adjustable from <math>\frac{1}{16}</math> to <math>\frac{1}{8}</math> inch. Two-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....</p> <p>Speed 3300. Cipher, ENOFT. See Form 9596.</p> <p>Weight in lbs., 39 net, 58 gross. Cubic meas., 1 ft. 9 in.</p>	



MACHINES OF CLASS 81



MACHINE NO. 81-21

NO.	DESCRIPTION	PRICE
81-21	<p>FOR TRIMMING, OVEREDGING AND BLIND STITCH HEMMING OR WELTING ON UNDERWEAR MADE OF SILK, LISLE THREAD, ETC. Has auxiliary feed to prevent fulling the edges while stitching. Bight <math>\frac{1}{16}</math> inch. Two-thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 3300. Cipher, ENOBA. See Form 9596.                      Weight in lbs., 39 net, 58 gross. Cubic meas., 1 ft. 9 in.</p>	

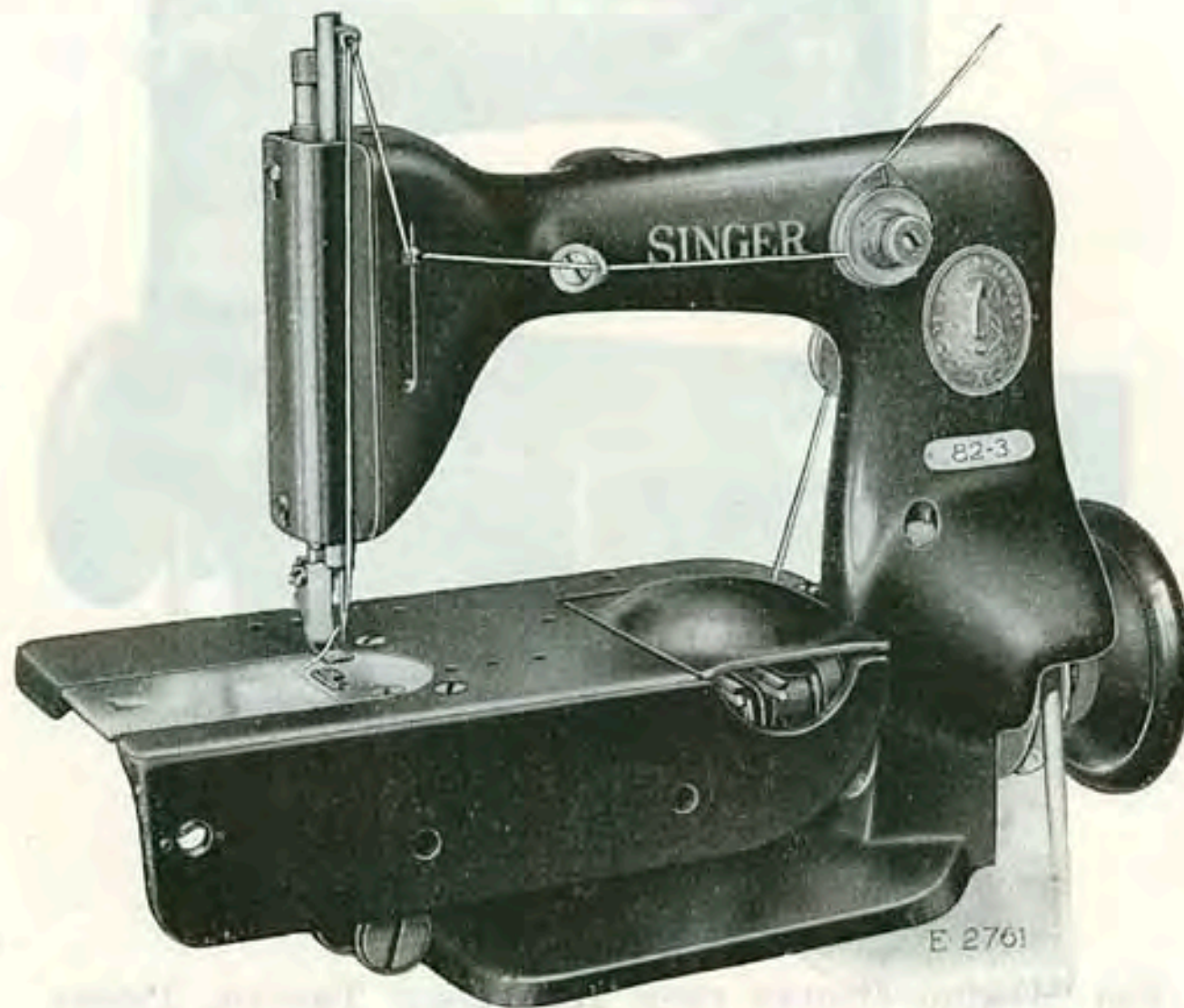
NOTE. The welt guide No. 42446 is regularly furnished with and is included in the list price of this machine.

**81-22** FOR TRIMMING, OVEREDGING AND CLOSING SEAMS IN KNIT GOODS. Fitted with a double feed dog. The height of the back feed dog can be adjusted by a hand lever at the back of the machine to prevent fulling the edges while stitching. Fitted for making a tight seam with an inferior grade of yarn. Bight adjustable from  $\frac{1}{8}$  to  $\frac{3}{16}$  inch, three thread stitch. Foot lifter. Balance wheel No. 42001. Diameter of belt groove  $2\frac{3}{16}$  inches. . . . .  
 Speed 3300. Cipher, ENOGA.  
 Weight in lbs., 39 net, 58 gross. Cubic meas., 1 ft. 9 in.  
 Formerly 81 S. V. 13 Machine.  
 Supersedes 81 K. S. V. 6 Machine.



## MACHINES OF CLASS 82

5 $\frac{1}{8}$  inches clear space at right of needle. For fine two-thread elastic chain stitching in the manufacture of silk and tricot gloves, or for other fine knitted or woven fabrics. Loper mechanism.

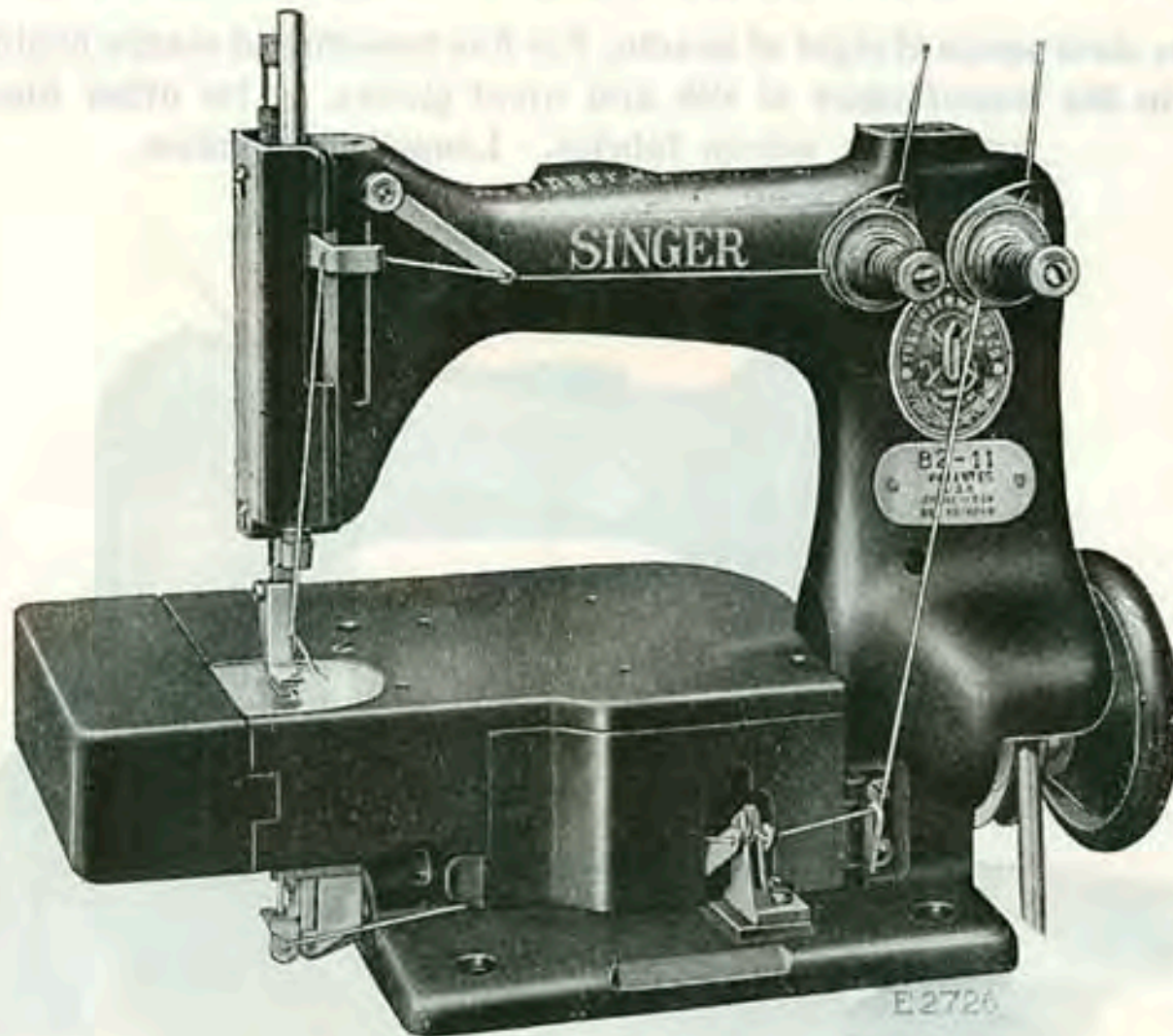


MACHINE No. 82-3

NO.	DESCRIPTION	PRICE
82-3	FOR SILK, LISLE THREAD OR TRICOT GLOVES and other light fabrics. One needle, one looper. Balance wheel No. 32026. Pulley No. 32027. Diameter of belt groove 2 inches. . . . . Speed 2500. Cipher, ENOSO. Weight in lbs., 24 net, 41 gross. Cubic meas., 1 ft. 7 in.	
82-4	Differs from Machine No. 82-3 only in having the work plate extended toward the operator . . . . . Speed 2500. Cipher, ENOAR. Weight in lbs., 24 net, 41 gross. Cubic meas., 1 ft. 7 in.	



**MACHINES OF CLASS 82**



MACHINE NO. 82-11

NO.	DESCRIPTION	PRICE
82-10	FOR MAKING GLOVES FROM KID, LISLE THREAD, TRICOT, MILANESE, ETC., and for stitching other light fabrics. One needle, one looper and spreader, narrow front cloth plate No. 57131 or wide front cloth plate No. 57132, as ordered. Balance wheel No. 32026. Pulley No. 32027. Diameter of belt groove 2 inches. . . . . Speed 2500. Cipher, ENSHI. Weight in lbs., 24 net, 41 gross. Cubic meas., 1 ft. 7 in.	
82-11	FOR MAKING GLOVES FROM KID, SILK, LISLE THREAD, TRICOT, MILANESE, ETC., and for fine stitching on light fabrics. One needle, one looper and spreader, narrow front cloth plate No. 57131 or wide front cloth plate No. 57132, as ordered. Has self-setting needle. Balance wheel No. 32026. Pulley No. 32027. Diameter of belt groove 2 inches. . . . . Speed 2500. Cipher, ENSKO. See Form 9263. Weight in lbs., 25 net, 42 gross. Cubic meas., 1 ft. 7 in.	



## MACHINES OF CLASS 82

TWO NEEDLES



MACHINE No. 82-20

NO.	DESCRIPTION	PRICE
82-20	FOR ORNAMENTING THE BACKS OF GLOVES MADE FROM TRICOT, MILANESE, ETC., with two-line chain embroidery; also for Paris pointing, inserting glove thumbs, and silking the backs of light weight leather gloves. Two needles, two loopers. Balance wheel No. 32026. Pulley No. 32027. Diameter of belt groove 2 inches. . Speed 2500. Cipher, ENULS. See Form 9346. Weight in lbs., 30 net, 46 gross. Cubic meas., 1 ft. 7 in.	

NOTE. When ordering Machine No. 82-20, the gauge and class of work to be handled must be specified and a sample of the glove material sent with the order.

FOR FITTINGS USED IN THE VARIOUS OPERATIONS AND GAUGES  
SEE NEXT PAGE.



## MACHINES OF CLASS 82

### FITTINGS USED ON 82-20 MACHINE FOR VARIOUS OPERATIONS AND GAUGES

FOR TWO-LINE CHAIN EMBROIDERY IN GAUGES FROM  $\frac{5}{64}$  TO  $\frac{7}{32}$  INCH

GAUGE	FEED DOG	LOOPER (LEFT)	LOOPER (RIGHT)	LOOPER CARRIER	NEEDLE BAR	NEEDLE CLAMP	PRESSER FOOT	THROAT PLATE
$\frac{5}{64}$ AND $\frac{3}{32}$ $\frac{7}{64}$ $\frac{1}{8}$ $\frac{9}{64}$ TO $\frac{7}{32}$	42683	42686	42687	42688	42696	42698	57021	57007
	42683	42686	42687	42688	42696	57014	57021	57007
	42683	42687	42687	42688	42696	57014	57021	57007
	57034	42687	42687	42688	57035	57036	57037	57038

FOR PARIS POINTING IN GAUGES FROM  $\frac{5}{64}$  TO  $\frac{1}{8}$  INCH

GAUGE	FEED DOG	LOOPER (LEFT)	LOOPER (RIGHT)	LOOPER CARRIER	NEEDLE BAR	NEEDLE CLAMP	PRESSER FOOT	THROAT PLATE
$\frac{5}{64}$ AND $\frac{3}{32}$ $\frac{7}{64}$ $\frac{1}{8}$	57010	42686	42687	42688	42696	42698	57012	57013
	57010	42686	42687	42688	42696	57014	57012	57013
	57010	42687	42687	42688	42696	57014	57012	57013

FOR INSERTING GLOVE THUMBS IN  $\frac{1}{16}$  TO  $\frac{1}{8}$  INCH GAUGE

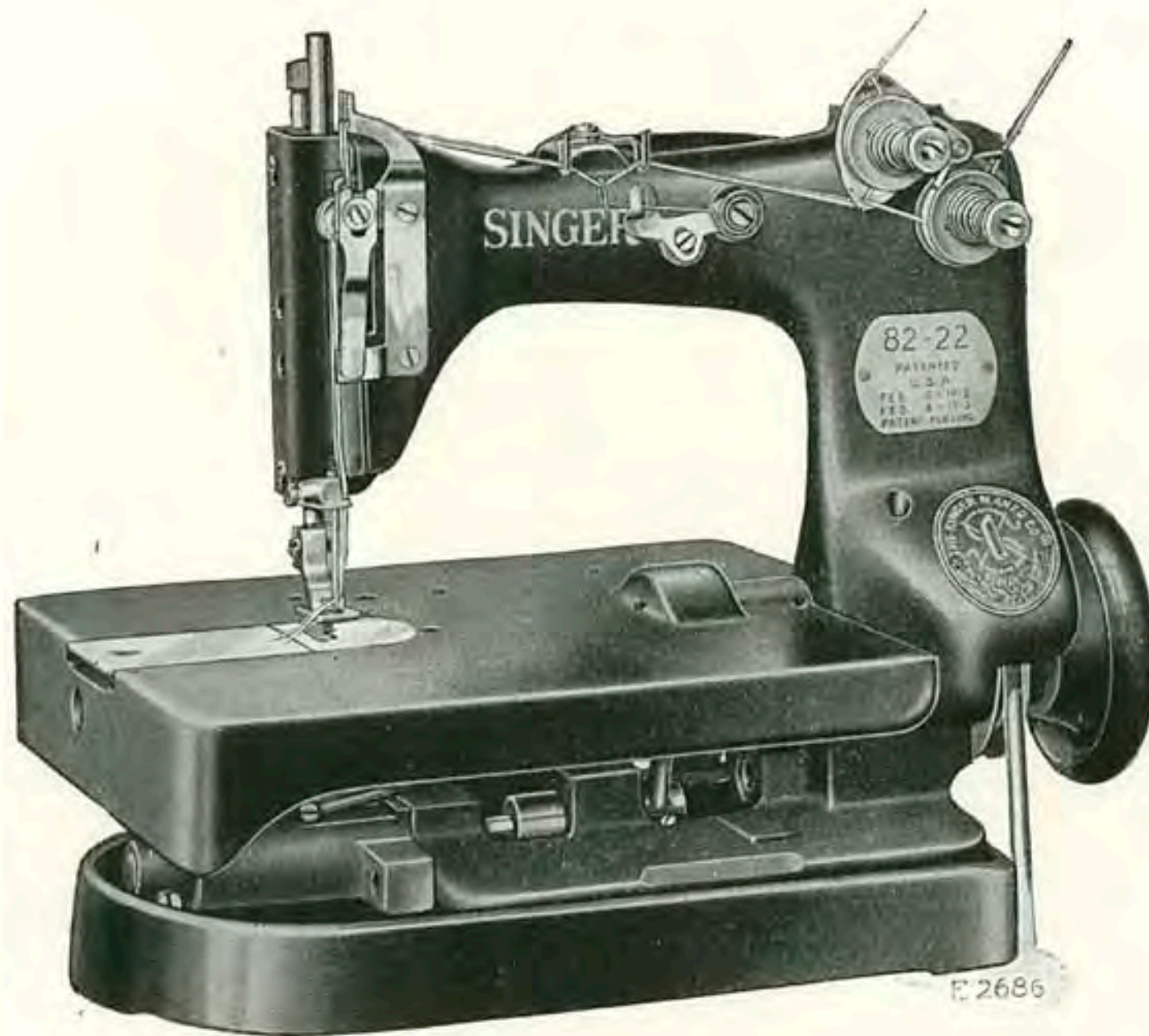
GAUGE	FEED DOG	LOOPER (LEFT)	LOOPER (RIGHT)	LOOPER CARRIER	NEEDLE BAR	NEEDLE CLAMP	PRESSER FOOT	THROAT PLATE
$\frac{1}{16}$ $\frac{3}{32}$ TO $\frac{1}{8}$	57022	42686	42687	42688	57087	57089	57025	57026
	57082	42687	42687	42688	42696	57014	57083	57084

FOR SILKING THE BACKS OF LIGHT WEIGHT LEATHER GLOVES IN  
GAUGES FROM  $\frac{1}{16}$  TO  $\frac{1}{8}$  INCH.

GAUGE	FEED DOG	LOOPER (LEFT)	LOOPER (RIGHT)	LOOPER CARRIER	NEEDLE BAR	NEEDLE CLAMP	PRESSER FOOT	THROAT PLATE
$\frac{1}{16}$ TO $\frac{7}{64}$ $\frac{1}{8}$	57027	42686	42687	42688	57087	57089	57086	57029
	57027	42687	42687	42688	42696	57014	57086	57029



**MACHINES OF CLASS 82**  
**SINGLE THREAD CHAIN STITCH**



MACHINE No. 82-22

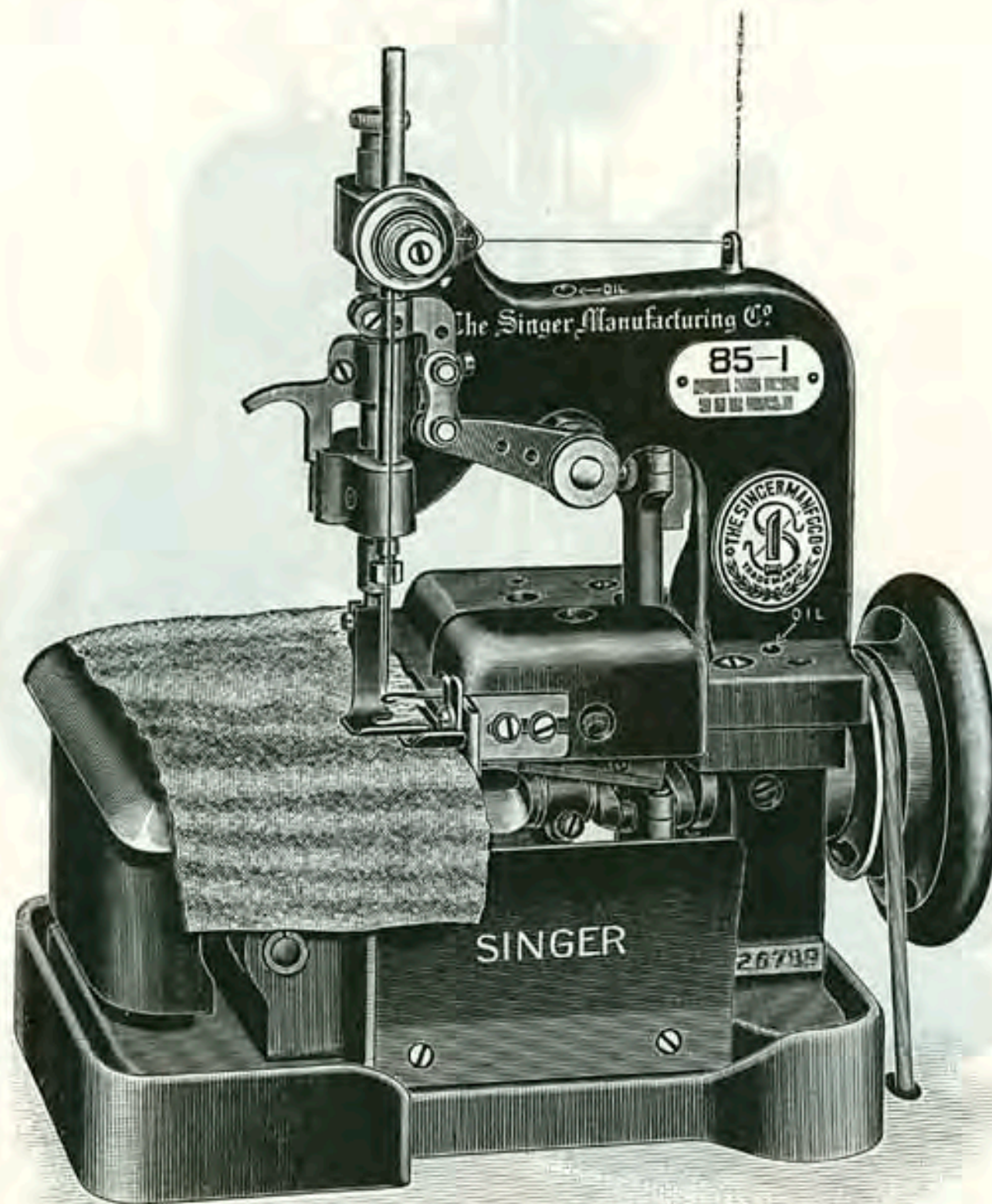
NO.	DESCRIPTION	PRICE
82-22	<p>FOR ORNAMMENTING THE BACKS OF GLOVES MADE FROM TRICOT, MILANESE, ETC., also for work on hosiery. Two needles, one looper, needles set tandem. Tension release, knee lifter. If desired, the machine can be operated with one thread, the rear needle being left in the machine to act as a loop retainer. A special throat plate is furnished for one-thread work. Balance wheel No. 32026. Pulley No. 32027. Diameter of belt groove 2 inches. . . . . Speed 1800. Cipher, ENUNO. See Form 9450. Weight in lbs., 40 net, 64 gross. Cubic meas., 2 ft. 4 in.</p>	

NOTE. This machine is regularly furnished with bench stand No. 79631



# MACHINES OF CLASS 85

For overedging thick fabrics which require deep bight and considerable distance between stitches. Single thread crochet stitch.



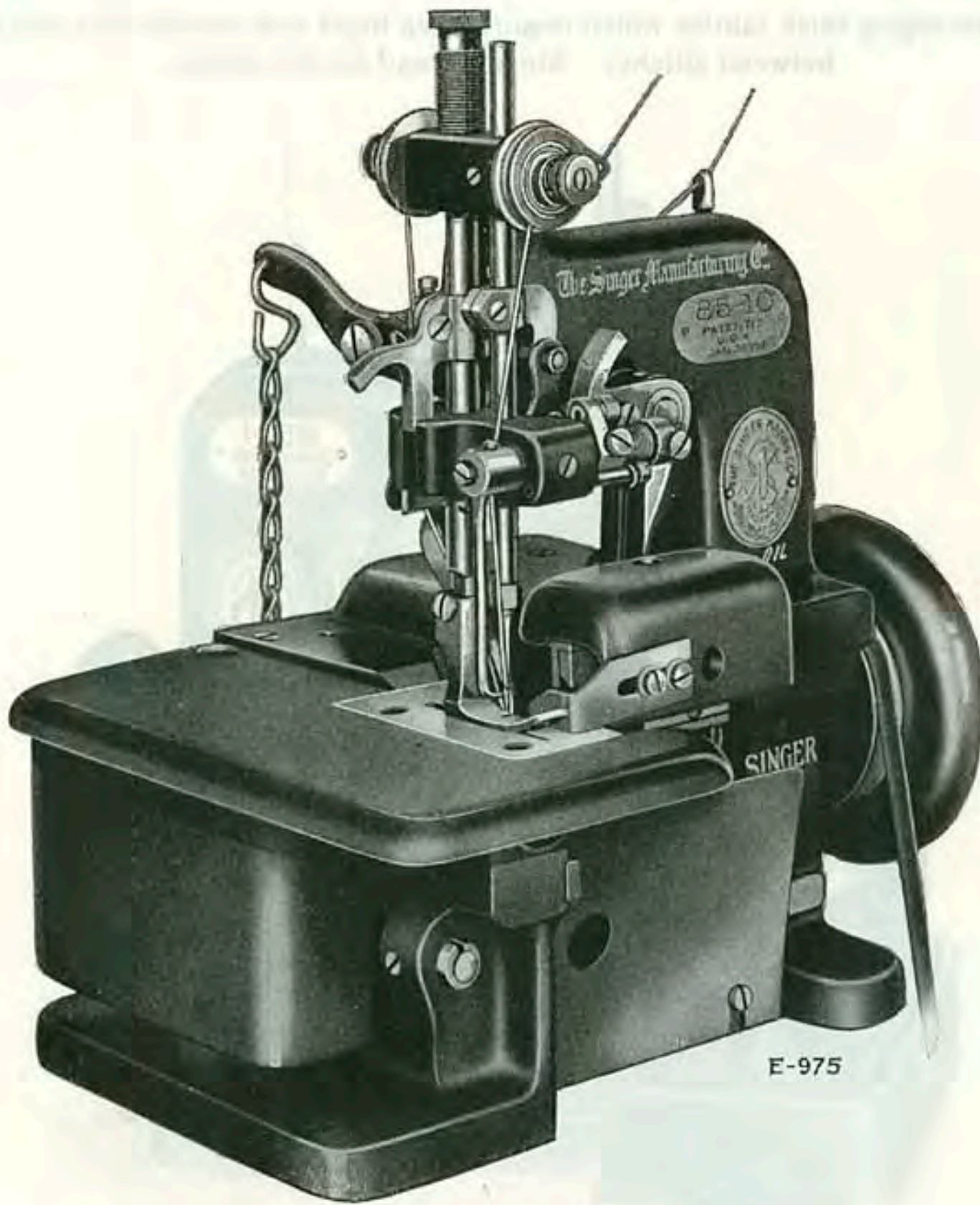
MACHINE No. 85-1

NO.	DESCRIPTION	PRICE
85-1	FOR OVEREDGING BLANKETS, HARNESS PADS and other heavy fabrics. One needle, one latch hook, distance between stitches $\frac{1}{8}$ to $\frac{3}{8}$ inch. Greatest width of bight $\frac{1}{2}$ inch. Balance wheel No. 37502. Diameter of belt groove $2\frac{1}{4}$ inches. . . . . Speed 1500. Cipher, EPFAS. See Form 9207. Weight in lbs., 36 net, 61 gross. Cubic meas., 2 ft. 8 in.	
85-2	Differs from Machine No. 85-1 only in being fitted to make stitches $\frac{1}{4}$ to $\frac{1}{2}$ inch apart . . . . . Cipher, EPFET. Weight in lbs., 36 net, 61 gross. Cubic meas., 2 ft. 8 in.	

NOTE. Presser foot No. 37540 for Machine No. 85-1 or No. 37558 for No. 85-2 and hemmer No. 36109 for both machines can be furnished if ordered.



MACHINES OF CLASS 85



MACHINE No. 85-10

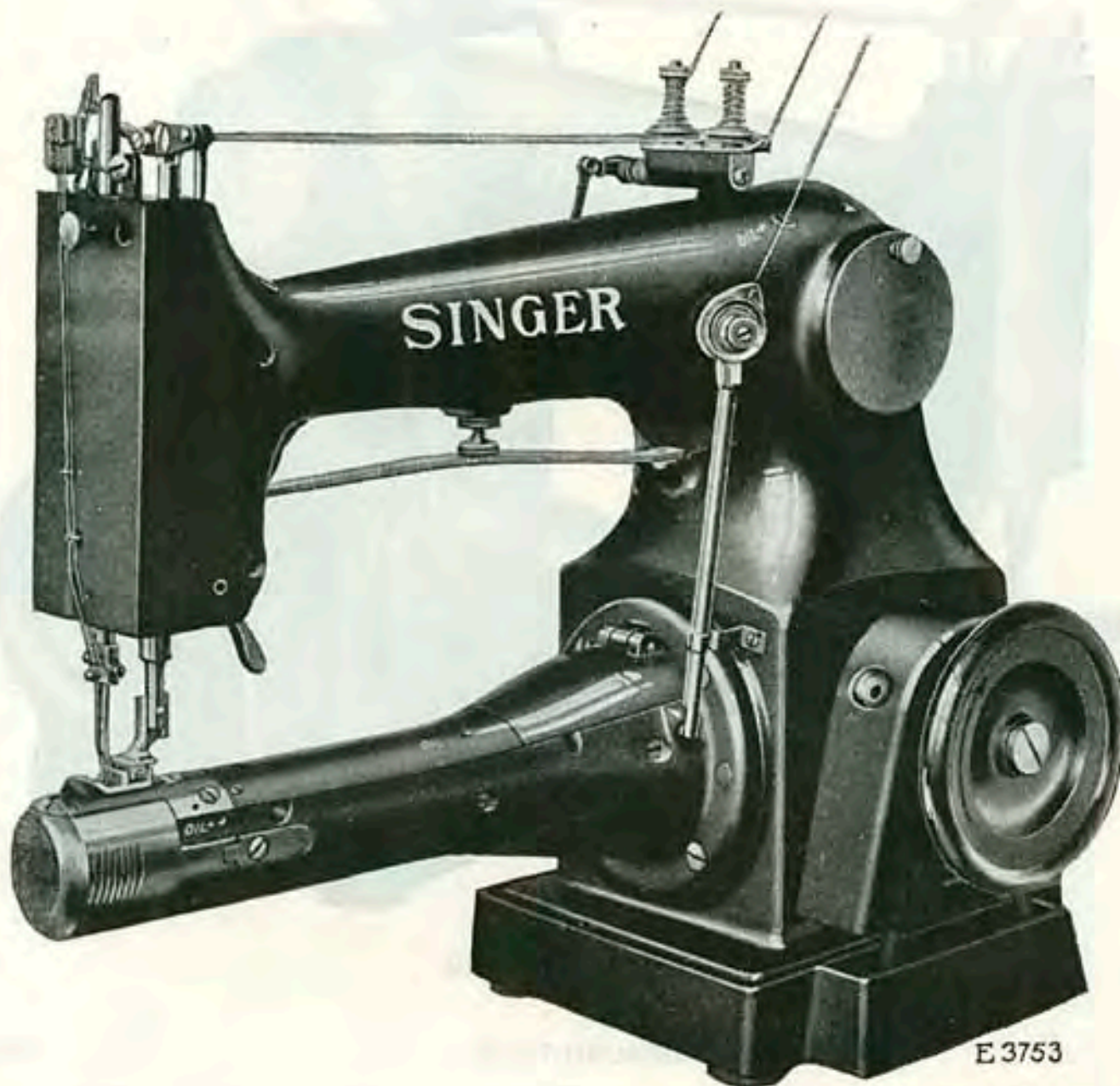
NO.	DESCRIPTION	PRICE
<b>85-10</b>	<p>FOR MAKING SHELL STITCH ON KNIT UNDERWEAR, CHILDREN'S FLANNELETTE COATS, ETC. Six stitches to each shell. Supplementary thread mechanism, one needle, one latch hook, crochet stitch. Balance wheel No. 37502. Diameter of belt groove <math>2\frac{1}{4}</math> inches.....</p> <p>Speed 1600. Cipher, EPGYB. See Form 9301.</p> <p>Weight in lbs., 38 net, 65 gross. Cubic meas., 2 ft. 8 in.</p>	

NOTE. Fittings for knit goods are: Feed Dog No. 37620, Guide No. 37626, Presser Foot No. 37629, Throat Plat No. 37630 and Throat Plate Guard No. 37631. Fittings for flannelette work are: Feed Dog No. 37573, Guide No. 37590, Presser Foot No. 37600, Throat Plate No. 37613 and Throat Plate Guard No. 37614.



## MACHINES OF CLASS 86

Cylinder bed  $1\frac{15}{16}$  inches diameter;  $9\frac{5}{8}$  inches clearance back of needles.  
Hand wheel on side. Elastic chain stitch. Feed up arm.



E 3753

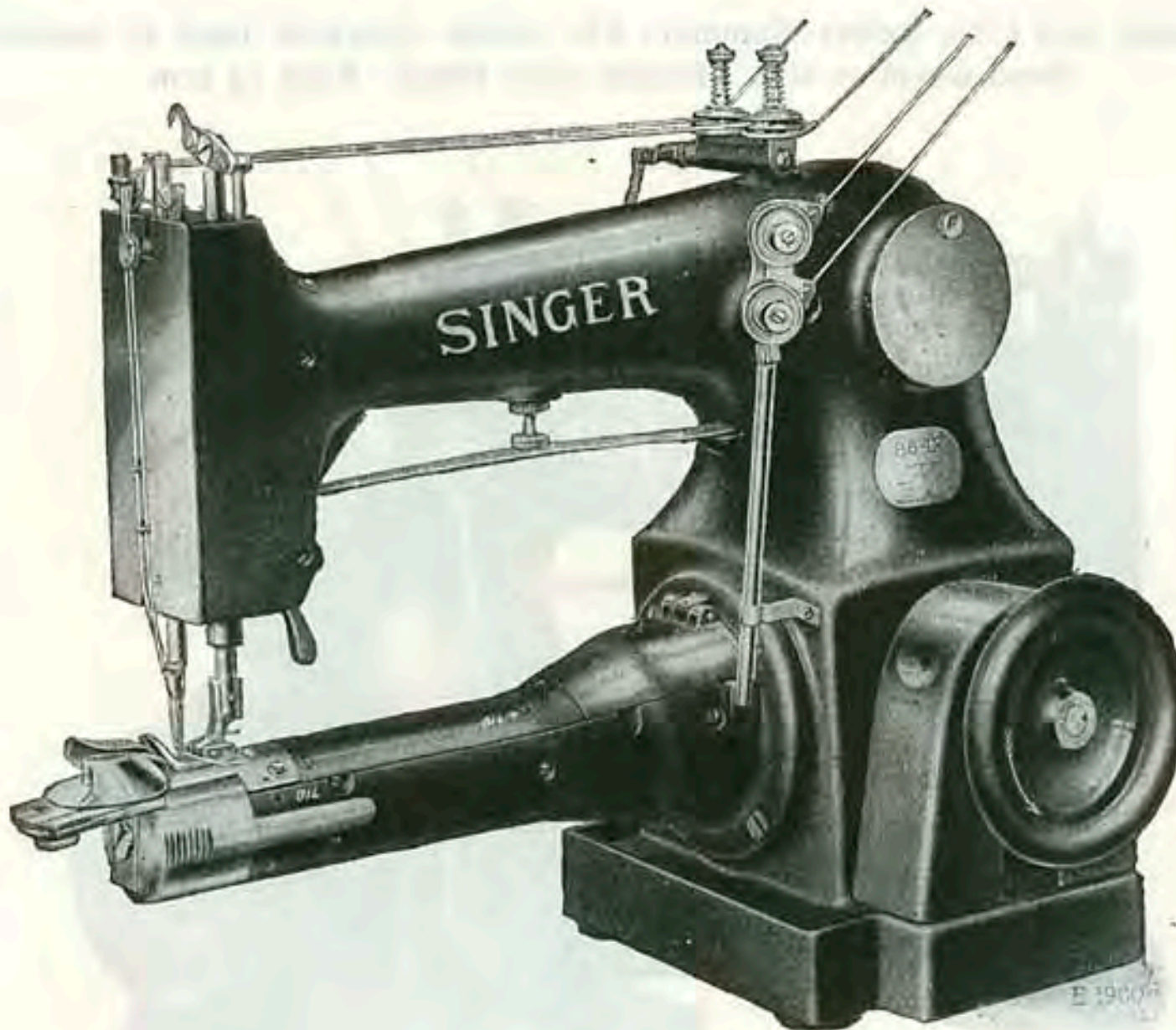
MACHINE No. 86-3

NO.	DESCRIPTION	PRICE
86-3	FOR SEAM COVERING ON KNIT GOODS, UNDERWEAR, ETC. Two needles, one looper; mechanism entirely enclosed. Gauges $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ inch; outside stitch regulating device, drop feed, foot lifter. Pulley No. 54964. Diameter of belt groove $2\frac{1}{4}$ inches. . . . Speed 3200. Cipher, EPJEZ. See Form 9581. Weight in lbs., 64 net, 106 gross. Cubic meas., 4 ft. 6 in.	

NOTE. In the operation of this machine the top of the hand wheel turns **from** instead of **toward** the operator.



MACHINES OF CLASS 86



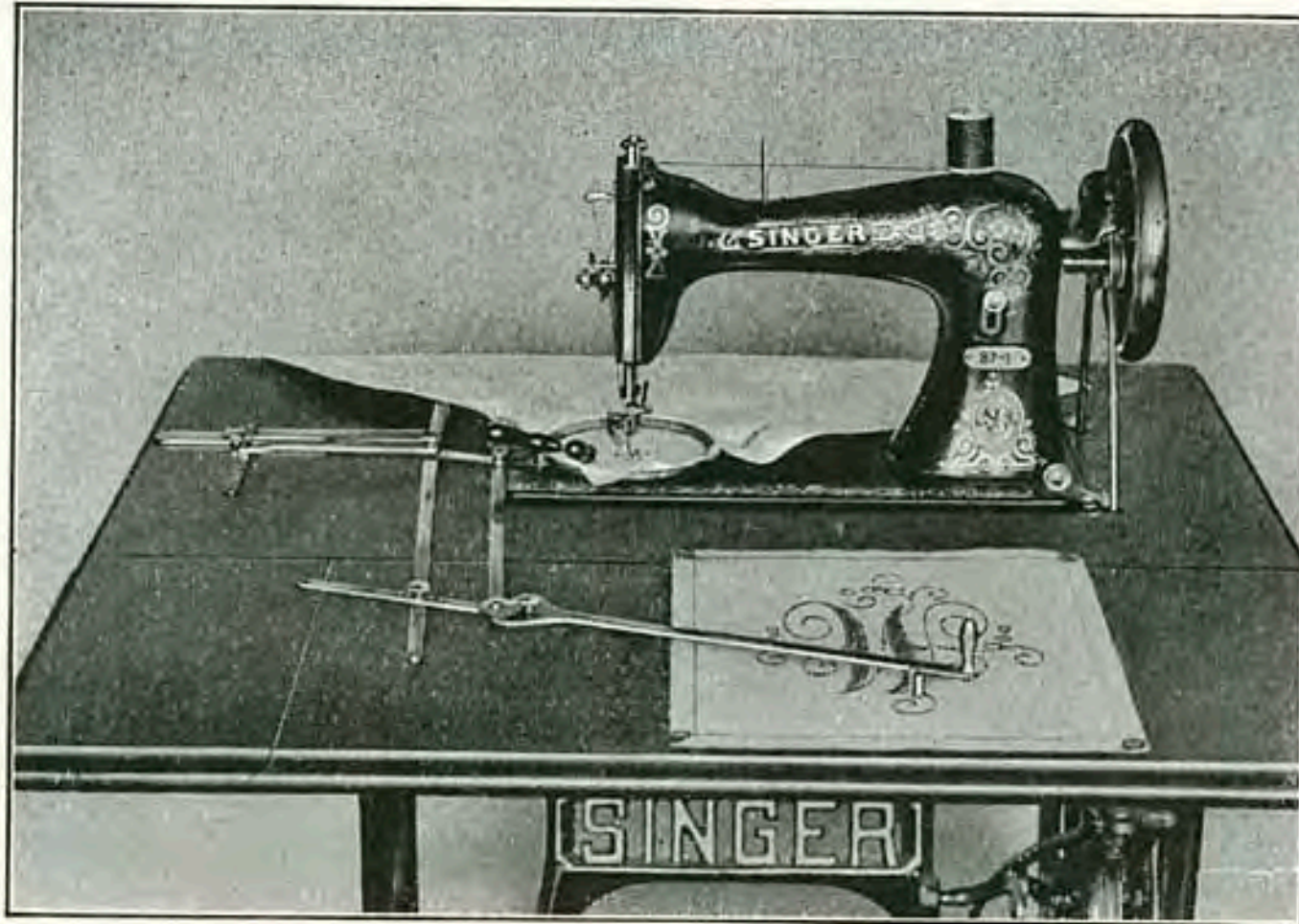
MACHINE No. 86-12

NO.	DESCRIPTION	PRICE
86-12	<p>FOR TWO-LINE STITCHING ON HEAVY OVERALLS, ETC. Two needles, two loopers, double chain stitch, gauges <math>\frac{1}{4}</math>, <math>\frac{2}{32}</math> and <math>\frac{5}{16}</math> inch; outside stitch regulating device, drop feed, foot lifter. Greatest distance between throat plate and presser foot <math>\frac{1}{2}</math> inch. Pulley No. 54964. Diameter of belt groove <math>2\frac{1}{4}</math> inches. . . . .                      Speed 3200. Cipher, EPMAB. See Form 9350.                      Weight in lbs., 68 net, 110 gross. Cubic meas., 4 ft. 6 in.</p>	
	<p>NOTE. The lap seam feller No. 36610 is furnished with this machine only when so ordered and at an additional price of net.</p>	
86-13	<p>FOR TWO-LINE STITCHING ON SHIRTS, PAJAMAS, MEDIUM AND LIGHT WEIGHT MATERIAL. Two needles, two loopers, double chain stitch, gauges <math>\frac{1}{8}</math>, <math>\frac{5}{32}</math>, <math>\frac{3}{16}</math>, <math>\frac{7}{32}</math> and <math>\frac{1}{4}</math> inch; outside stitch regulating device, drop feed, foot lifter. Pulley No. 54964. Diameter of belt groove <math>2\frac{1}{4}</math> inches. . . . .                      Speed 3200. Cipher, EPMEC. See Form 9350.                      Weight in lbs., 70 net, 112 gross. Cubic meas., 4 ft. 6 in.</p>	
	<p>NOTE. The lap seam feller No. 36597 is furnished with this machine only when so ordered and at an additional price of net.</p>	

NOTE. These machines will be furnished with cloth plate No. 54891 only when so ordered and at an additional price of net.



## MACHINES OF CLASS 87



MACHINE No. 87-1

These machines are designed for making initials, monograms, crests, floral designs, etc., in embroidery stitches, and are fitted with pantographs by which large designs are reduced to much smaller ones, which are in exact proportion to the originals. See Form 9213.

NO.	DESCRIPTION	PRICE
87-1	<p>FOR MAKING ONE EMBROIDERY DESIGN at each operation. Has special table and foot power stand, and parts and attachments to change for plain sewing. Shuttle No. 2208. Balance wheel No. 15282. Diameter of belt groove <math>2\frac{1}{4}</math> inches. . . . .                      Cipher, EPNEB.                      Weight in lbs., 25 net, 41 gross. Cubic meas., 1 ft. 6 in.</p>	



# MACHINES OF CLASS 91K

FOR "PIQUÉ" STITCH GLOVE WORK



MACHINE No. 91 K 5

NO.	DESCRIPTION	PRICE
91 K 5	Has direct gear driven looper mechanism and adjustable top feed; closed post $\frac{5}{16}$ inch in diameter, $3\frac{5}{8}$ inches high. Makes a double chain stitch (Piqué). For glove work. Balance wheel No. 95933. Diameter of belt groove $2\frac{1}{2}$ inches..... Speed 1000. Cipher, AGJOR. See Form 9766.	

Insert for Form 8800 (November, 1926).

PRINTED IN U. S. A.



## MACHINES OF CLASS 92

For sewing bags. Bed 7 inches long; 3½ inches clear space at right of needle. One needle, one looper, single or two-thread chain stitch. These machines can be fitted with foot lifter or knee lifter if so ordered.



MACHINE No. 92-1

NO.	DESCRIPTION	PRICE
92-1	FOR BAG WORK. Stitch from 1/8 to 1/3 inch long; has one needle, one looper and throat plate for single thread; also looper and throat plate for two-thread chain stitch. Balance wheel No. 23873. Diameter of belt groove 2 1/8 inches. . . . . Speed 3000. Cipher, EPTIK. See Form 9426. Weight in lbs., 62 net, 87 gross. Cubic meas., 2 ft. 5 in.	
92-2	FOR BAG WORK. Stitch from 1/4 to 1/2 inch long; has one needle, one looper and throat plate for single thread; also looper and throat plate for two-thread chain stitch. Balance wheel No. 23873. Diameter of belt groove 2 1/8 inches. . . . . Speed 2500. Cipher, EPTOL. See Form 9426. Weight in lbs., 60 net, 86 gross. Cubic meas., 2 ft. 5 in.	

NOTE. These machines will be fitted with feed dogs, presser feet and throat plates suitable for seaming or hemming, as specified on order.



MACHINES OF CLASS 92



MACHINE No. 92-3

NO.	DESCRIPTION	PRICE
92-3	<p>FOR SEWING CLAY FILLED AND OTHER BAGS. Stitch from <math>\frac{1}{8}</math> to <math>\frac{1}{3}</math> inch long; has one needle, one looper and throat plate for single thread; also looper and throat plate for two-thread chain stitch. Fitted with device for automatically oiling the principal bearings of the machine. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . .</p> <p>Speed 3000. Cipher, EPTUM. See Form 9426.</p> <p>Weight in lbs., 62 net, 86 gross. Cubic meas., 2 ft. 5 in.</p>	
92-4	<p>FOR STITCHING HEAVY BURLAP BAGS with flax, jute or hemp twine. Makes two to four stitches to the inch; has one needle, one looper and throat plate for single thread; also looper and throat plate for two-thread chain stitch. Has the mechanism for regulating the length of stitch arranged so that it can be adjusted from the top of the cloth plate, there being a clearance hole in the cloth plate for this purpose. Fitted with needle bar to accommodate .130 shank needle. Balance wheel No. 46220. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . .</p> <p>Speed 2500. Cipher, EPTYN. See Form 9426.</p> <p>Weight in lbs., 62 net, 88 gross. Cubic meas., 2 ft. 5 in.</p>	



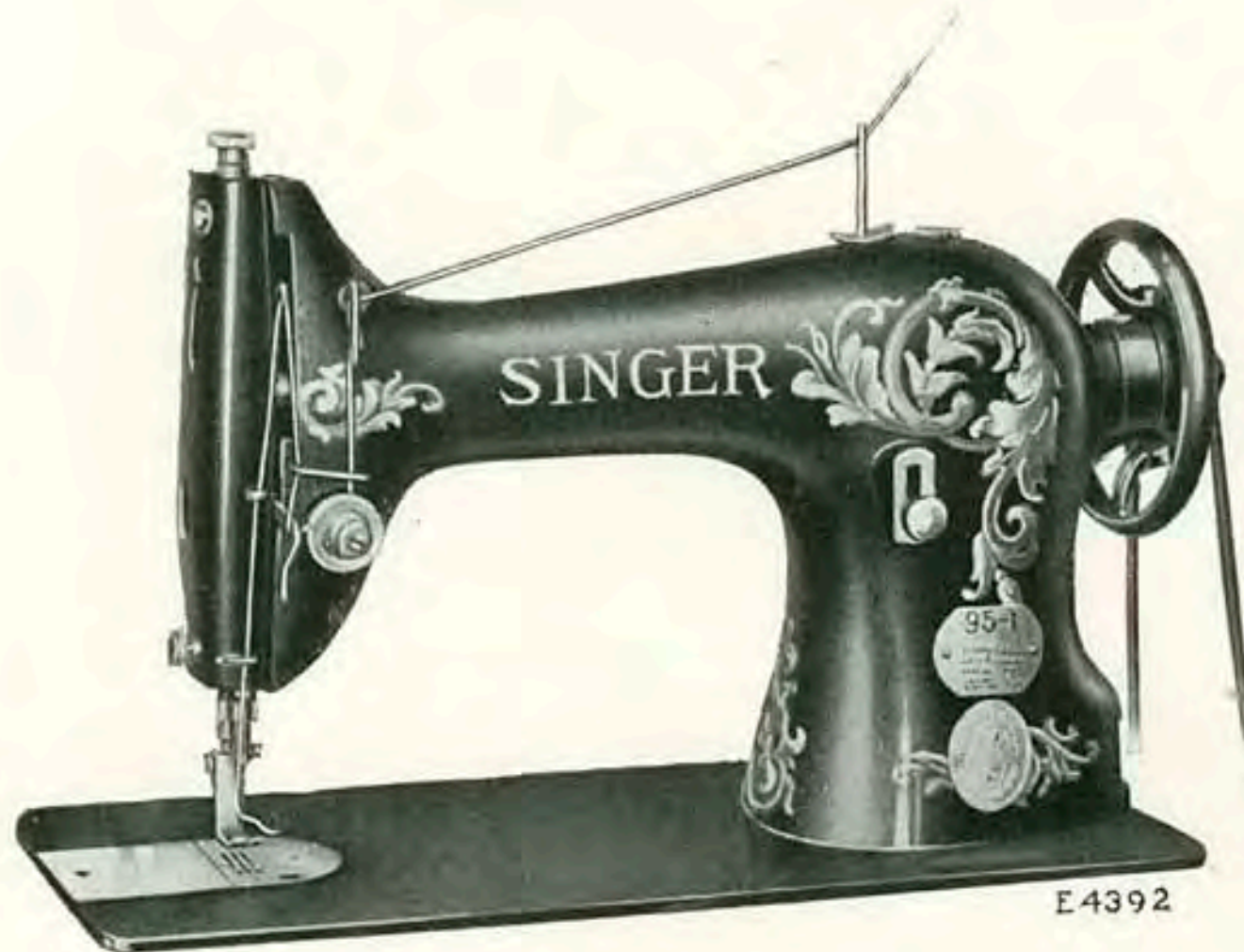
## MACHINES OF CLASS 92

NO.	DESCRIPTION	PRICE
92-5	<p>FOR STITCHING HEAVY BURLAP BAGS with flax, jute or hemp twine. Makes two to four stitches to the inch; has one needle, one looper and throat plate for single thread; also looper and throat plate for two-thread chain stitch. Has the mechanism for regulating the length of stitch arranged so that it can be adjusted from the top of the cloth plate, there being a clearance hole in the cloth plate for this purpose. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches.....</p> <p>Speed 2500. Cipher, EPVAJ. See Form 9426.</p> <p>Weight in lbs., 61 net, 87 gross. Cubic meas., 2 ft. 5 in.</p>	
92-6	<p>FOR STITCHING HEAVY BURLAP BAGS with flax, jute or hemp twine. Makes two to four stitches to the inch; has one needle, one looper and throat plate for single thread; also looper and throat plate for two-thread chain stitch. Balance wheel No. 23873. Diameter of belt groove <math>2\frac{1}{8}</math> inches.....</p> <p>Speed 2500. Cipher, EPVAM. See Form 9426.</p> <p>Weight in lbs., 61 net, 87 gross. Cubic meas., 2 ft. 5 in.</p>	



## MACHINES OF CLASS 95

Bed  $15\frac{1}{16}$  inches long;  $7\frac{3}{8}$  inches from needle to base of arm. Rotating hook, driven by belt, making two revolutions at each full stroke of the needle bar. Link take-up. Short needle. Knee lifter.  
Bobbin No. 40264.



MACHINE No. 95-1

NO.	DESCRIPTION	PRICE
95-1	FOR LIGHT AND MEDIUM WEIGHT FABRICS. Maximum stitch seven to the inch. Drop feed. Balance wheel No. 52005. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 3500. Cipher, ERFOX. See Forms 9218 and 9330. Weight in lbs., 47 net, 67 gross. Cubic meas., 2 ft. 0 in.	

NOTE. This machine will be regularly fitted with Feed Dog No. 52031, Throat Plate No. 52033 and Presser Foot No. 40315, unless otherwise specified on the order.



## MACHINES OF CLASS 95

Bed  $15\frac{11}{16}$  inches long;  $7\frac{3}{8}$  inches from needle to base of arm. Rotating hook, driven by gears, making two revolutions at each full stroke of the needle bar. Link take-up. Short needle. Knee lifter.  
Bobbin No. 40264.



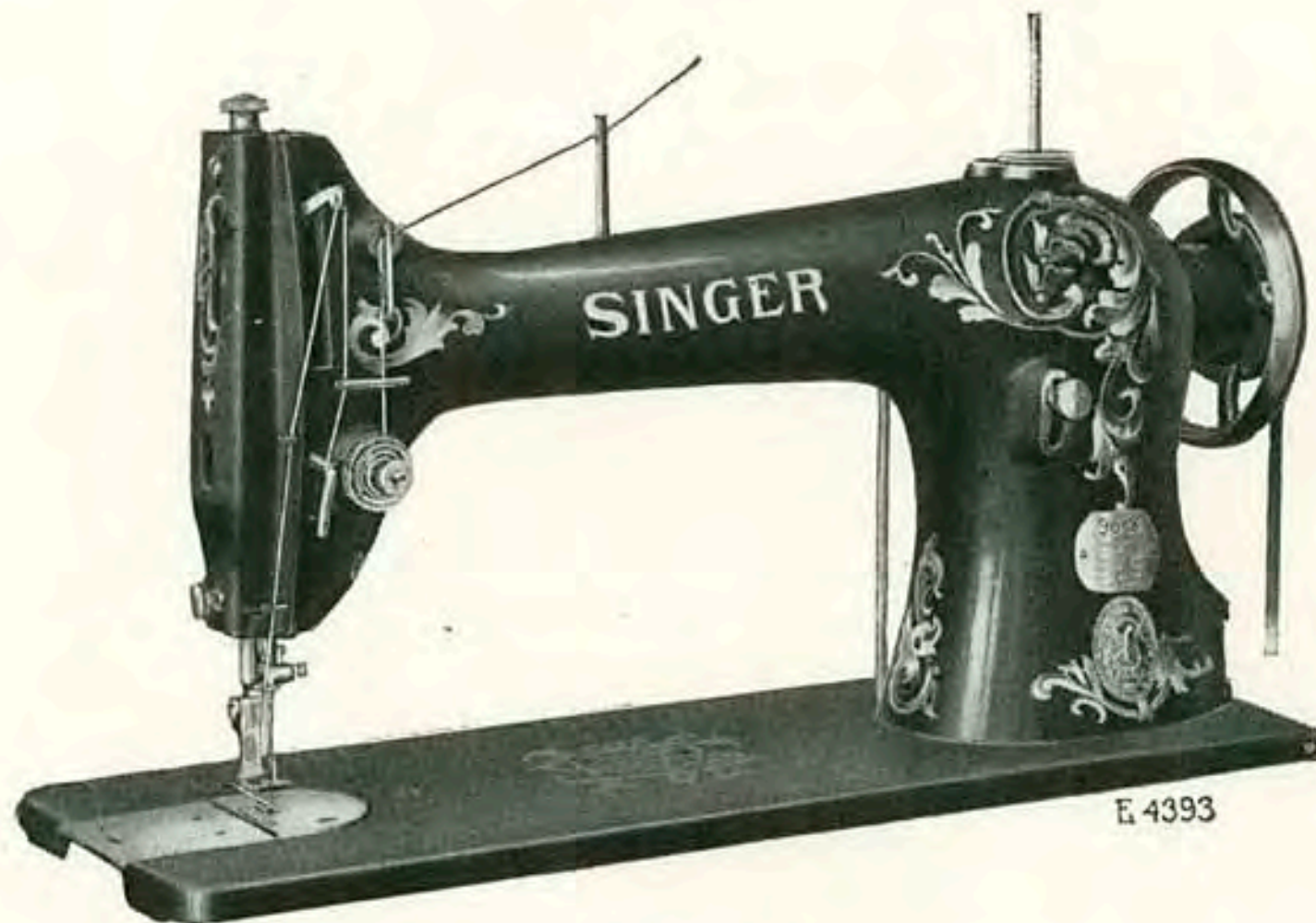
MACHINE No. 95-10

NO.	DESCRIPTION	PRICE
95-10	FOR LIGHT AND MEDIUM WEIGHT FABRICS. Maximum stitch seven to the inch. Drop feed. Balance wheel No. 52005. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 3500. Cipher, ERHOB. See Form 9356. Weight in lbs., 47 net, 67 gross. Cubic meas., 2 ft. 0 in.	
NOTE. This machine will be regularly fitted with Feed Dog No. 52031, Throat Plate No. 52033 and Presser Foot No. 40315, unless otherwise specified on the order.		
95-11	FOR COLLAR AND CUFF WORK. Drop feed. Balance wheel No. 52005. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 3500. Cipher, ERHUC. Weight in lbs., 48 net, 68 gross. Cubic meas., 2 ft. 0 in.	
95-12	FOR LIGHT AND MEDIUM WEIGHT FABRICS. Has vertical trimmer that trims from $\frac{1}{16}$ to $\frac{1}{4}$ inch from the line of stitching. Maximum stitch seven to the inch. Drop feed. Machines are fitted with $\frac{1}{8}$ inch cutting bar unless otherwise ordered, and an extra $\frac{3}{16}$ inch cutting bar and presser foot are also furnished. When a different width is ordered the extra cutting bar will be one size larger except when $\frac{1}{4}$ inch is required. Balance wheel No. 52005. Diameter of belt groove $2\frac{3}{16}$ inches. . . . . Speed 3500. Cipher, ERHYD. See Form 9465. Weight in lbs., 47 net, 67 gross. Cubic meas., 2 ft. 0 in.	



## MACHINES OF CLASS 96

Bed  $18\frac{3}{8}$  inches long;  $10\frac{1}{4}$  inches from needle to base of arm. Rotating hook, driven by belt, making two revolutions at each full stroke of the needle bar. Link take-up. Knee lifter.  
Bobbin No. 40264.



MACHINE No. 96-3

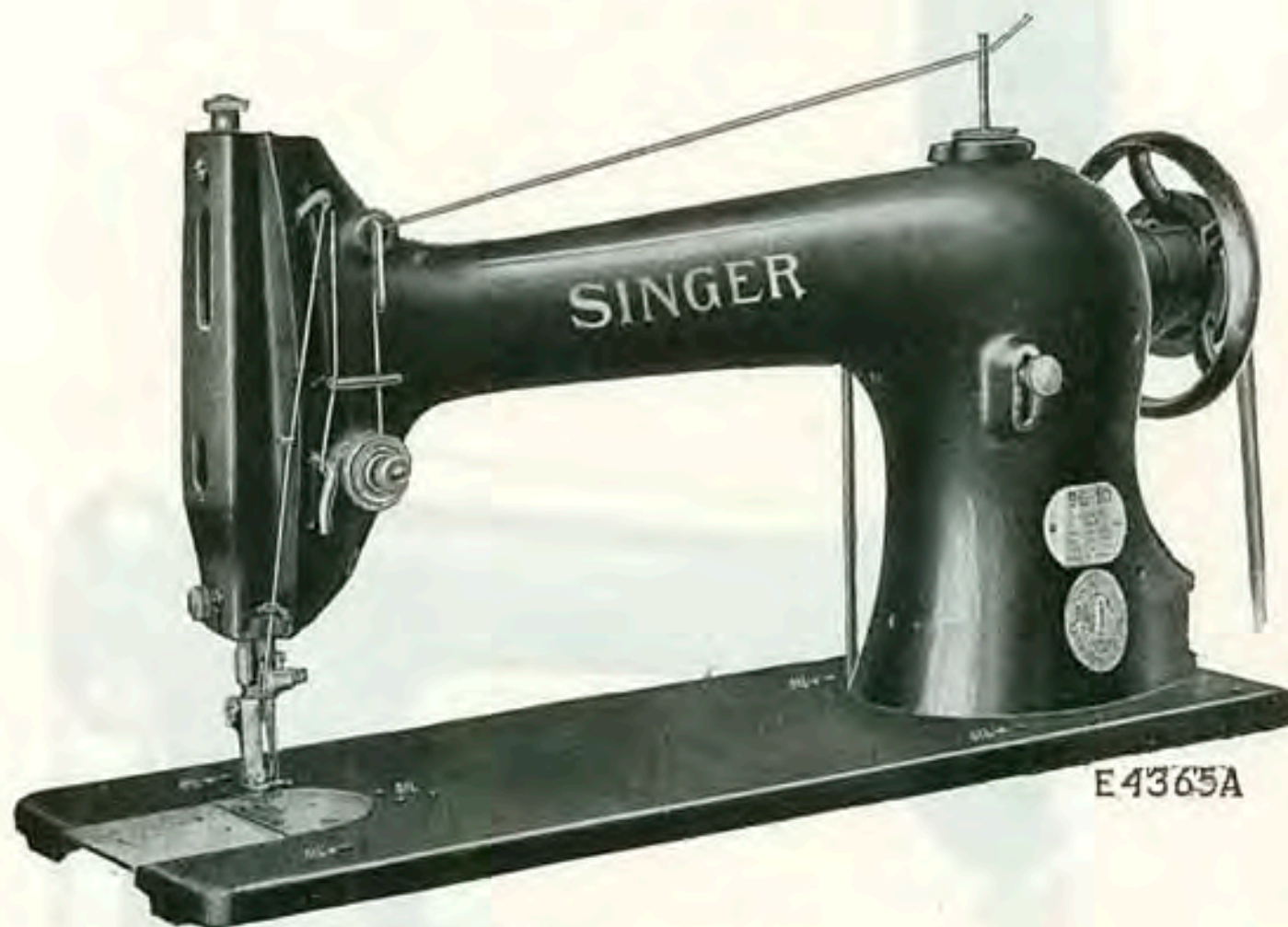
NO.	DESCRIPTION	PRICE
96-3	FOR CLOAKS, CLOTHING AND OTHER WORK IN CLOTH. Drop feed. Balance wheel No. 52005. Diameter of belt groove $2\frac{3}{16}$ inches. . . . Speed 3000. Cipher, ERJOC. See Form 9360. Weight in lbs., 51 net, 75 gross. Cubic meas., 2 ft. 3 in.	

NOTE. This machine will be regularly fitted with Feed Dog No. 44136, Throat Plate No. 44137 and Presser Foot No. 29534, unless otherwise specified on the order.



## MACHINES OF CLASS 96

Bed  $18\frac{3}{8}$  inches long;  $10\frac{1}{4}$  inches from needle to base of arm. Rotating hook driven by gears, making two revolutions at each full stroke of the needle bar. Link take-up. Knee lifter.  
Bobbin No. 40264.



MACHINE No. 96-10

NO.	DESCRIPTION	PRICE
96-10	FOR CLOAKS, CLOTHING AND OTHER WORK IN CLOTH. Drop feed. Balance wheel No. 52005. Diameter of belt groove $2\frac{3}{16}$ inches... Speed 3200. Cipher, ERKUL. See Form 9357. Weight in lbs., 51 net, 75 gross. Cubic meas., 2 ft. 3 in.	
	NOTE. This machine will be regularly fitted with Feed Dog No. 44136, Throat Plate No. 44137 and Presser Foot No. 20458, unless otherwise specified on the order.	
96-12	FOR CLOAKS, CLOTHING, OVERALLS AND OTHER WORK IN CLOTH. Has reversible feed mechanism. Balance wheel No. 52005. Diameter of belt groove $2\frac{3}{16}$ inches..... Speed 3200. Cipher, ERLAB. See Form 9448. Weight in lbs., 53 net, 75 gross. Cubic meas., 2 ft. 3 in.	
96-13	FOR EYELET ROW STITCHING. Drop feed. Balance wheel No. 52005. Diameter of belt groove $2\frac{3}{16}$ inches..... Speed 3200. Cipher, ERLCU. See Form 9477. Weight in lbs., 51 net, 75 gross. Cubic meas., 2 ft. 3 in.	

NOTE. This machine is regularly fitted with Feed Dog No. 12436, Throat Plate No. 24443, Roller Presser No. 12265 and Needle Bar Thread Guide No. 52415.



**MACHINES OF CLASS 96**

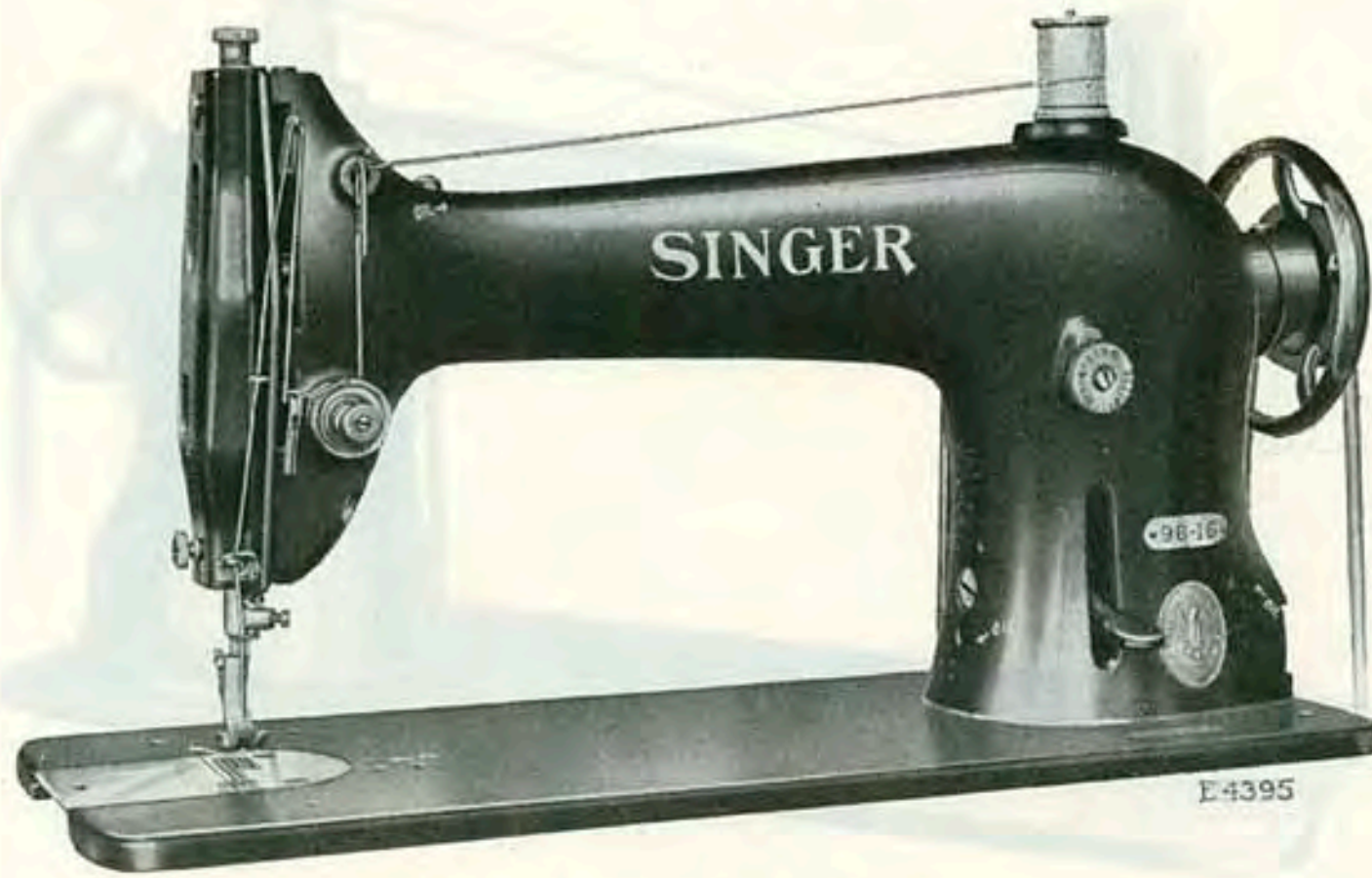


MACHINE No. 96-14

NO.	DESCRIPTION	PRICE
96-14	<p>FOR STITCHING TOP FACINGS TO SHOE LINING; ALSO FOR SIDE AND BACK STAYS. Drop feed. Balance wheel No. 52005. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....                      Speed 3200. Cipher, ERLEC. See Form 9476.                      Weight in lbs., 51 net, 75 gross. Cubic meas., 2 ft. 3 in.</p>	
	<p>NOTE. The regular fittings for this machine includes: Feed Dog No. 12436, Throat Plate No. 12438, Roller Presser No. 52414, Needle Bar Thread Guide No. 52415, Tape Reel No. 26063, Edge Guide No. 120063 and Strip Guide No. 120071.</p>	
96-15	<p>FOR EDGE AND UNDER EDGE TRIMMING FOR BOOTS AND SHOES. Horizontal trimmer operated by eccentric on the rotary hook. Roller presser. Balance wheel No. 52005. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....                      Speed 2500. Cipher, ERLFY. See Form 9485.                      Weight in lbs., 51 net, 74 gross. Cubic meas., 2 ft. 3 in.</p>	



MACHINES OF CLASS 96



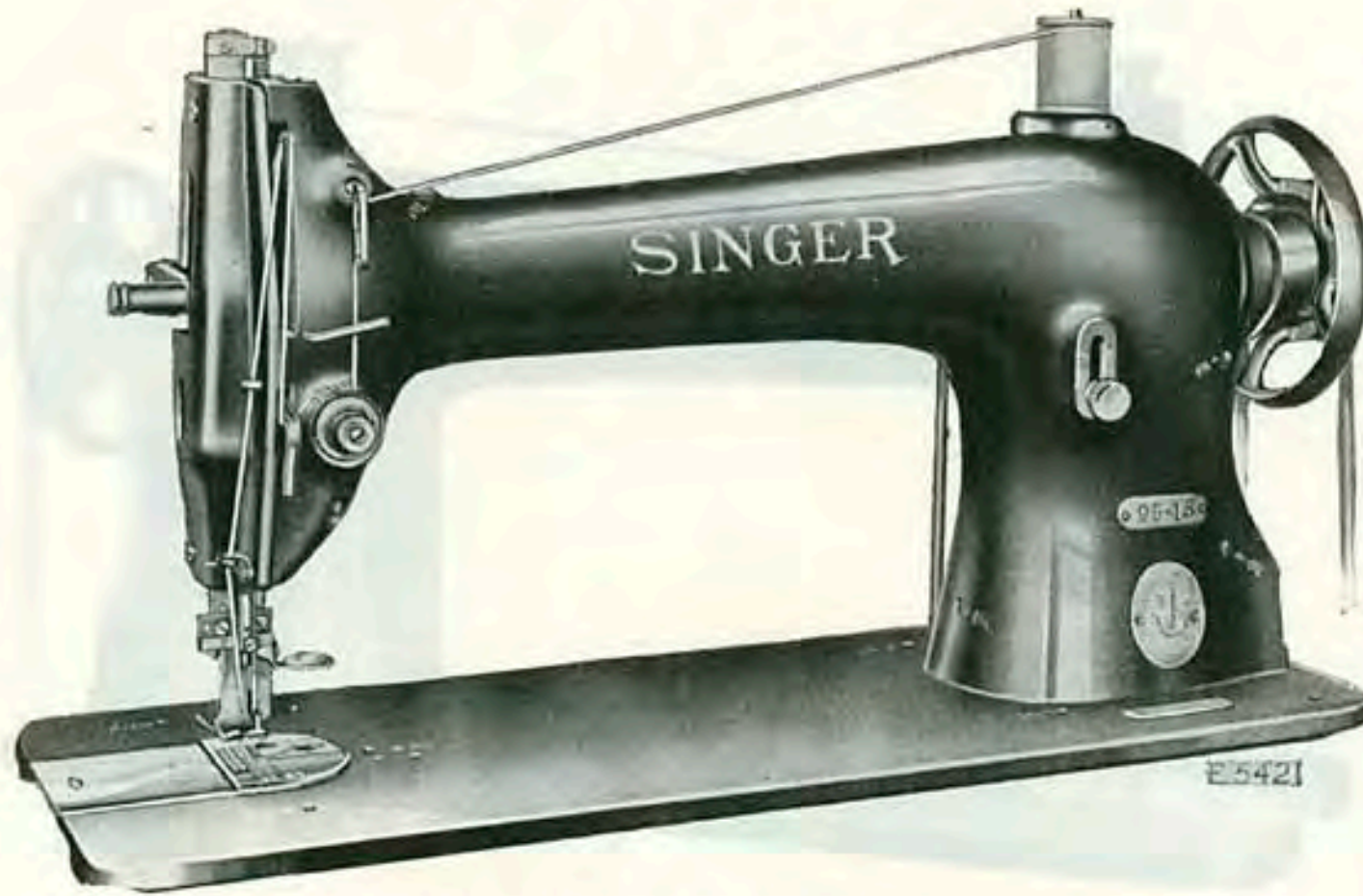
MACHINE No. 96-16

NO.	DESCRIPTION	PRICE
96-16	<p>FOR WORK ON OVERALLS, HEAVY OVERCOATS, KHAKE AND OTHER HEAVY MATERIALS. Has reversible feed mechanism. Lift of presser foot <math>\frac{7}{16}</math> inch. Balance wheel No. 52005. Diameter of belt groove <math>2\frac{3}{16}</math> inches.....</p> <p>Speed up to 3200, according to the material being stitched.</p> <p>Cipher, ERLID. See Form 9517.</p> <p>Weight in lbs., 51 net, 75 gross. Cubic meas., 2 ft. 3 in.</p>	

NOTE. This machine is regularly fitted with Feed Dog No. 120001, Throat Plate No. 26605 and Presser Foot No. 52439, unless otherwise specified on the order.



MACHINES OF CLASS 96



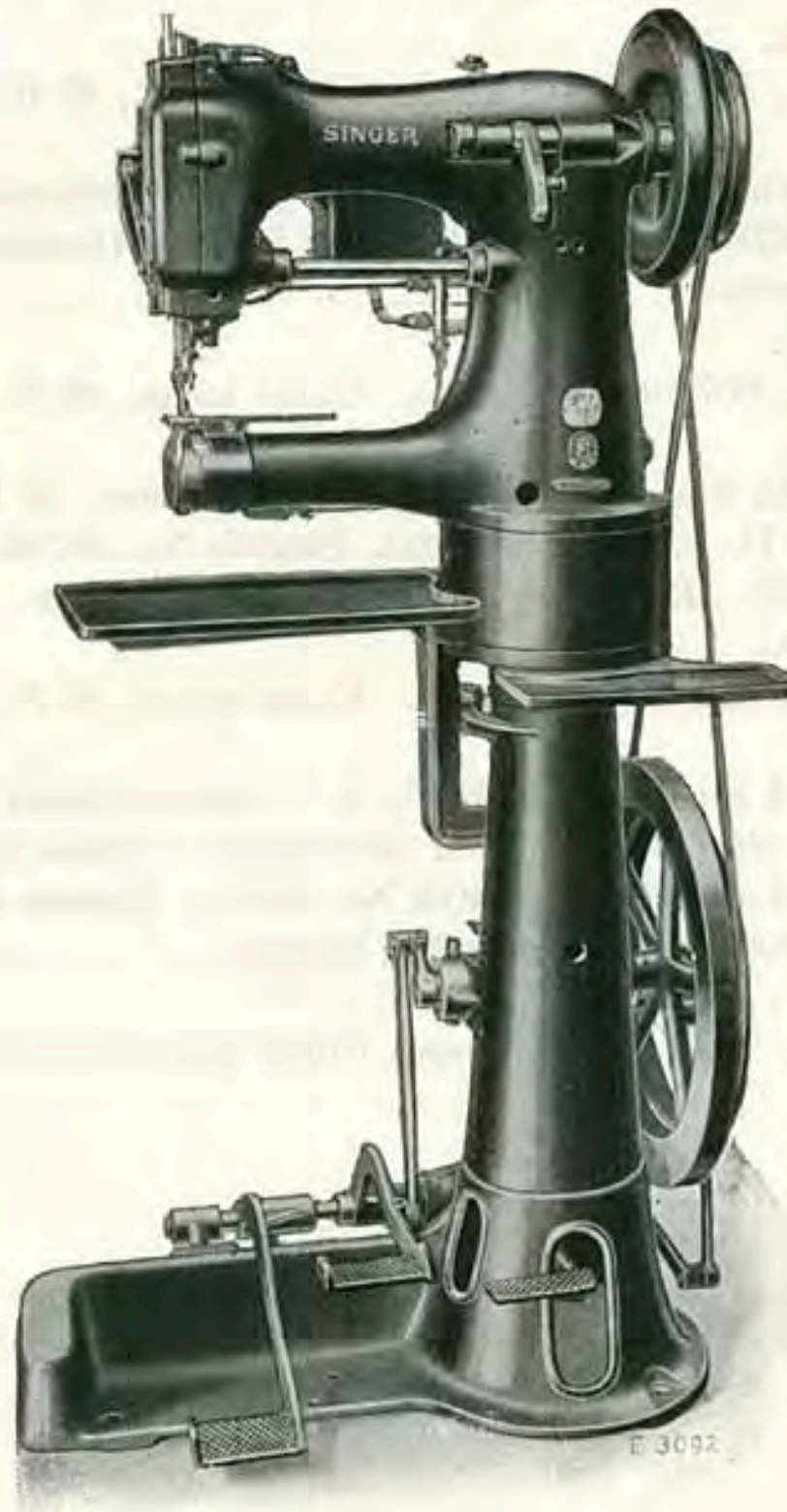
MACHINE No. 96-18

NO.	DESCRIPTION	PRICE
96-18	<p>FOR LIGHT, MEDIUM AND HEAVY CLOTHING AND OTHER WORK IN CLOTH. Rotating hook, driven by gears. Drop feed. Vertical trimmer that trims from <math>\frac{1}{16}</math> to <math>\frac{1}{4}</math> inch from the line of stitching. The machine is fitted with a <math>\frac{1}{8}</math> inch cutting bar, unless otherwise ordered, and an extra <math>\frac{3}{16}</math> inch cutting bar and presser foot are furnished with the machine. When a different width is ordered the extra cutting bar will be one size larger, except when <math>\frac{1}{4}</math> inch is required. Balance wheel No. 52005. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .</p> <p>Speed 3200. Cipher, ERMAD. See Form 9664.</p> <p>Weight in lbs., 51 net, 75 gross. Cubic meas., 2 ft. 3 in.</p>	



# MACHINES OF CLASS 97

Cylinder bed; 12 inches clear space at right of needle. Parallel needle feed driven by link motion. Cylinder shuttle. Gas heating device for hot wax stitching. Foot lifter.



MACHINE NO. 97-7

The machines of Class 97 are for general work on harness and other heavy leather, and will stitch from light to heavy material without alteration in the adjustment. **It is also capable of stitching close to double bar buckles.** Presser feet (stitch set) for 6, 8 and 10 stitches to the inch, are regularly furnished with machine, but any three presser feet (stitch set) for 4 to 12 stitches to the inch will be furnished if so specified on order. These machines can also be successfully operated without the heating device by using the thread with any lubricator that will run cold. See Form 9512.

NO.	DESCRIPTION	PRICE
97-6	Machine Head only. Shuttle No. 58786. Balance wheel No. 58709. Diameter of belt groove $8\frac{1}{8}$ inches..... Cipher, ERMVJ. Weight in lbs., 233 net, 348 gross. Cubic meas., 13 ft. 1 in.	



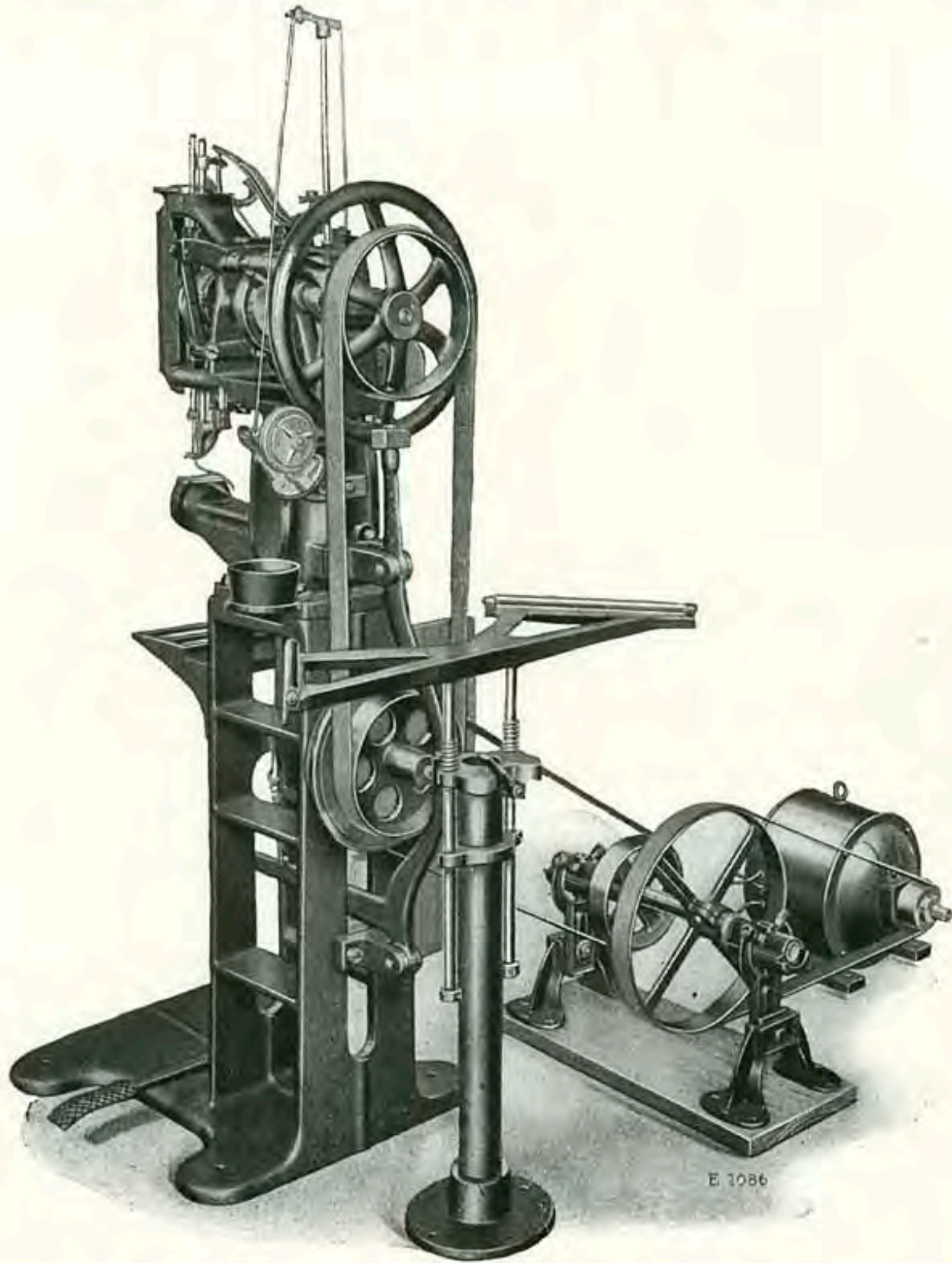
## MACHINES OF CLASS 97

NO.	DESCRIPTION	PRICE
97-7	Machine with Stand, for foot power. Shuttle No. 58786. Balance wheel (two speed) No. 58845. Diameter of belt grooves 6 and 8 inches..... Cipher, ERMYP. Weight in lbs., 511 net, 858 gross. Cubic meas., 45 ft. 11 in.	
97-8	Machine with Stand, Shaft and Pulleys, for mechanical power. Shuttle No. 58786. Balance wheel No. 58709. Diameter of belt groove $8\frac{1}{16}$ inches..... Cipher, ERMYP. Weight in lbs., 607 net, 898 gross. Cubic meas., 49 ft. 5 in.	
97-9	Machine with Stand and $\frac{1}{2}$ H. P., D. C. Motor. (S. D. 103 for 115 volts or S. D. 104 for 230 volts). Shuttle No. 58786. Balance wheel No. 58709. Diameter of belt groove $8\frac{1}{16}$ inches..... Cipher, ERMYP. Weight in lbs., 622 net, 902 gross. Cubic meas., 46 ft. 10 in.	
97-10	Machine with Stand and $\frac{1}{2}$ H. P., A. C. Motor (either S. A. 245, 246, 247, 248, 249 or 250). For description of these motors see Motor Insert, Form 8801. Shuttle No. 58786. Balance wheel No. 58709. Diameter of belt groove $8\frac{1}{16}$ inches..... Cipher, ERMYP. Weight in lbs., 608 net, 955 gross. Cubic meas., 51 ft. 6 in.	



# MACHINES OF CLASS 98

Cylinder bed. Needle feed. 3 inch cylinder shuttle. Column stand.



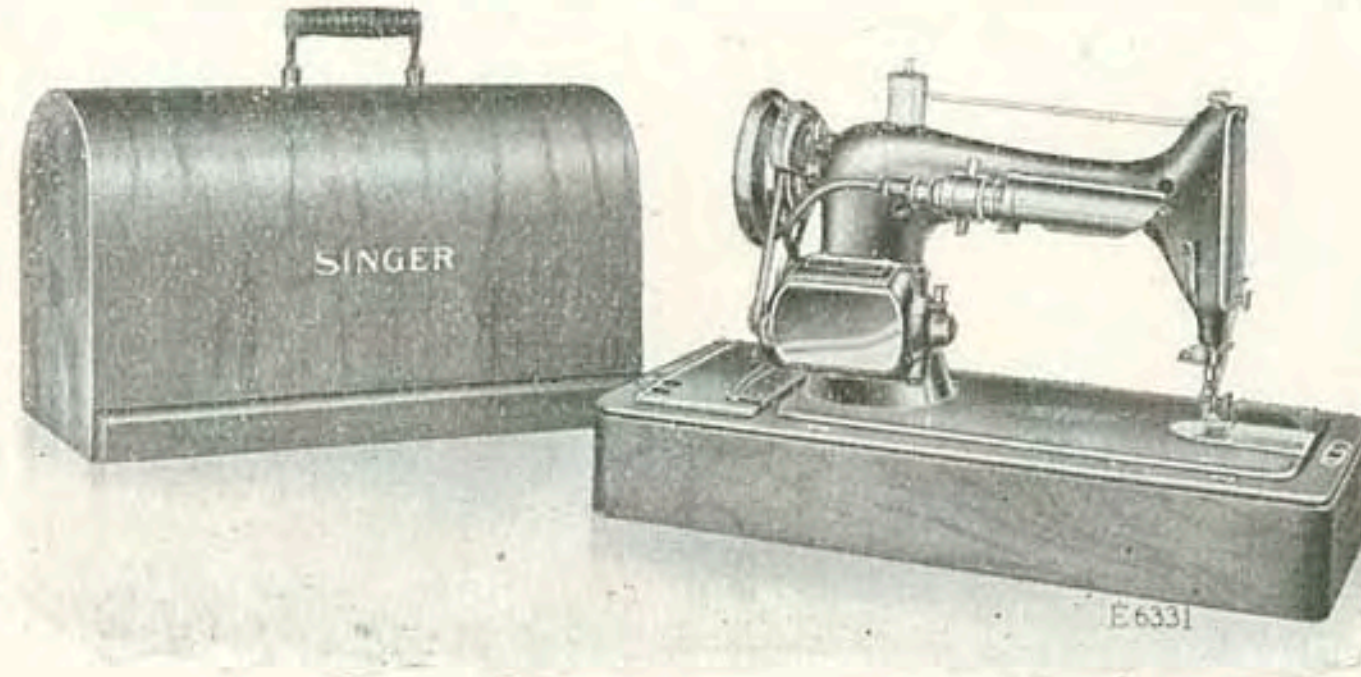
MACHINE NO. 98-3 WITH COUNTERSHAFT NO. 41165 AND 1 H. P. MOTOR

NO.	DESCRIPTION	PRICE
<b>98-3</b>	<p>FOR STITCHING TREADS ON USED AUTOMOBILE TIRES. Length of stitch up to <math>\frac{1}{2}</math> inch. Shuttle No. 61591. Has stand which is fitted with rollers to facilitate the turning of the tire while stitching. S. D. A. The stand is separate from the machine and is adjustable as to height. Balance wheel and pulley (tight) No. 61504. Diameter of pulley <math>8\frac{7}{8}</math> inches. . . . .                      Speed 250. Cipher, ERNHE. See Form 9413.                      Weight in lbs., 422 net, 599 gross. Cubic meas., 24 ft. 4 in.</p>	
	<p>NOTE. The price of listed above does not include motor or countershaft. If motor is ordered, it will be necessary to specify the voltage for D. C., and the voltage, cycles and phase for A. C.</p>	
	<p>Countershaft No. 41165 can be furnished at an additional price of net, belting not included.</p>	



# MACHINES OF CLASS 99

Bed 12 $\frac{1}{4}$  inches long; 6 $\frac{1}{4}$  inches clear space at right of needle.  
 Horizontal oscillating hook. Stationary bobbin case.  
 Link take-up. Bobbin No. 32522.



MACHINE NO. 99-13 WITH PORTABLE CASE NO. 195

NO.	DESCRIPTION	PRICE
99-13	FOR FAMILY USE..... Cipher, ERNOG.	\$ — —

Machine Head with B. T. Motor and Singerlight  
 Weight in lbs., 27 net, 43 gross. Cubic meas., 1 ft. 8 in.

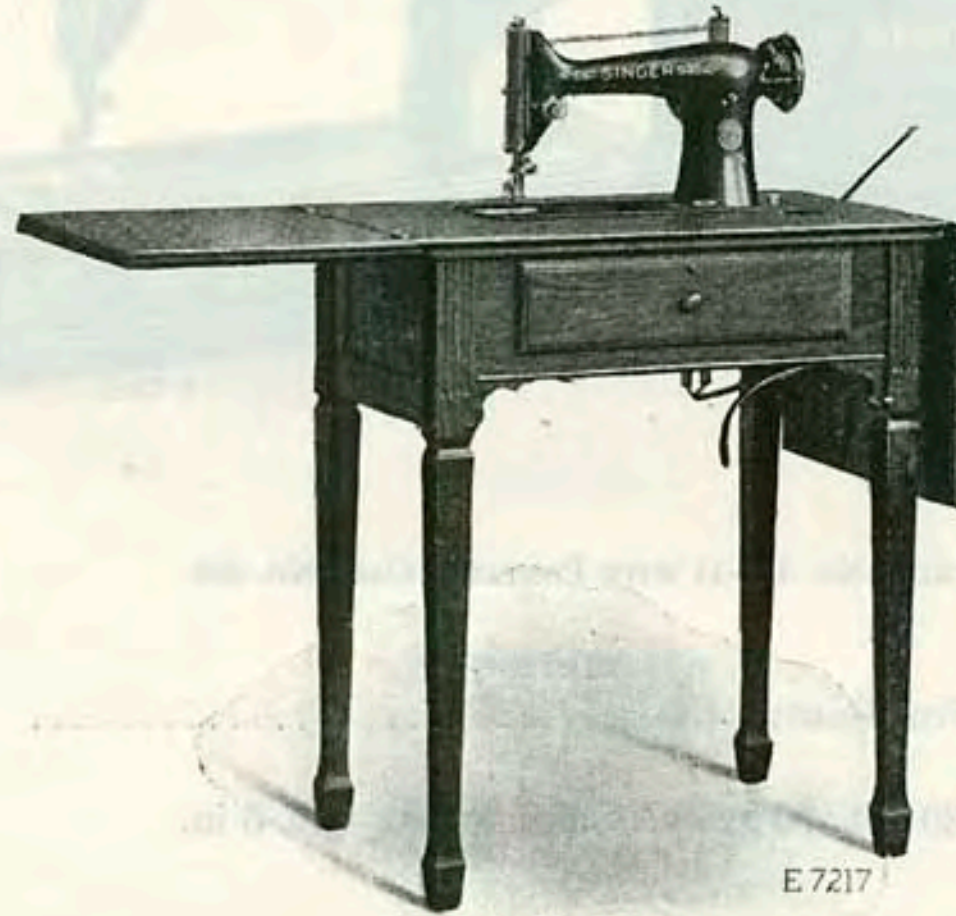
Portable Case No. 195  
 Weight in lbs., 7 net, 16 gross. Cubic meas., 1 ft. 6 in.



# MACHINES OF CLASS 101

ELECTRIC MOTOR IN THE ARM OF THE MACHINE

Bed  $14\frac{1}{16}$  inches long;  $7\frac{15}{16}$  inches clear working space at the right of needle.  
Horizontal rotating hook. Link take-up. Bobbin No. 32522.



MACHINE No. 101-3 ON CABINET No. 40

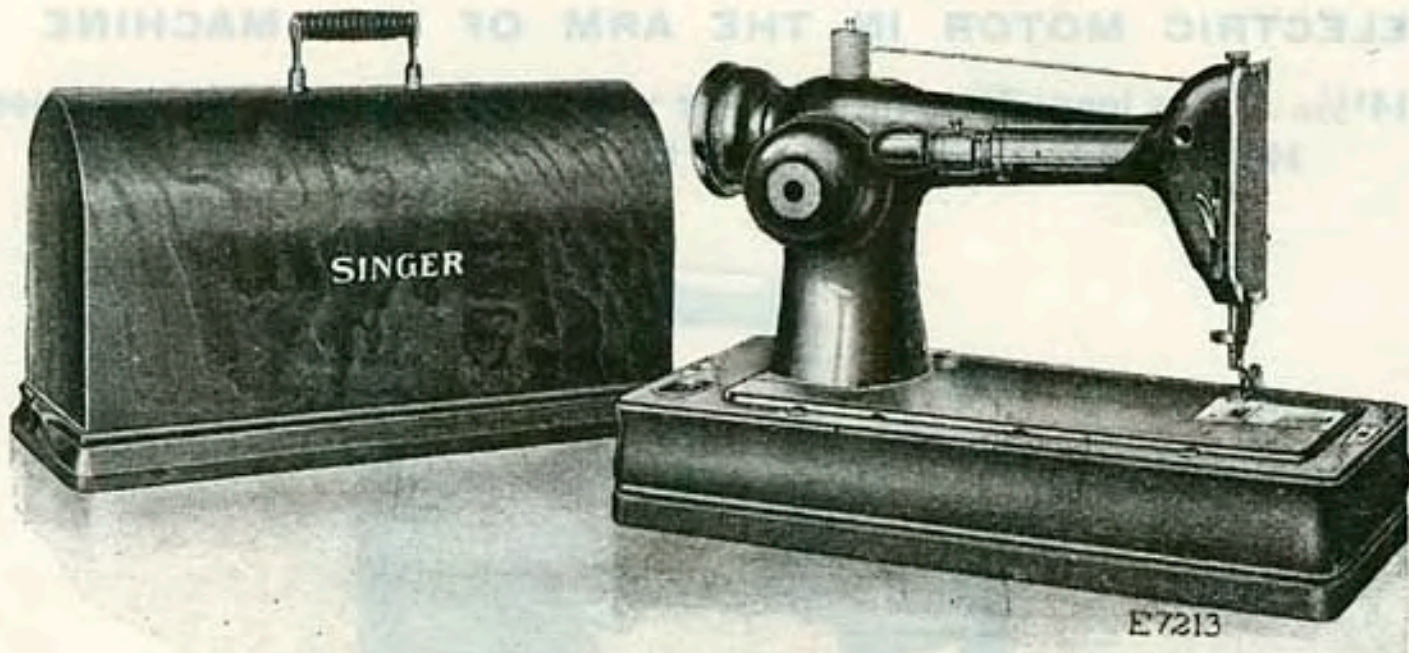
NO.	DESCRIPTION	PRICE
<b>101-3</b>	FOR FAMILY USE .....	
	Cipher, EROGU.	
	Machine Head Only	
	Weight in lbs., 32 net, 50 gross. Cubic meas., 1 ft. 7 in.	
	Library Table Set No. 40	
	Weight in lbs., 40 net, 86 gross. Cubic meas., 5 ft. 2 in.	

Insert for Form 8800 in place of leaf now showing 101-2 and 101-10 Machines. (August 1927).

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MACHINES OF CLASS 101



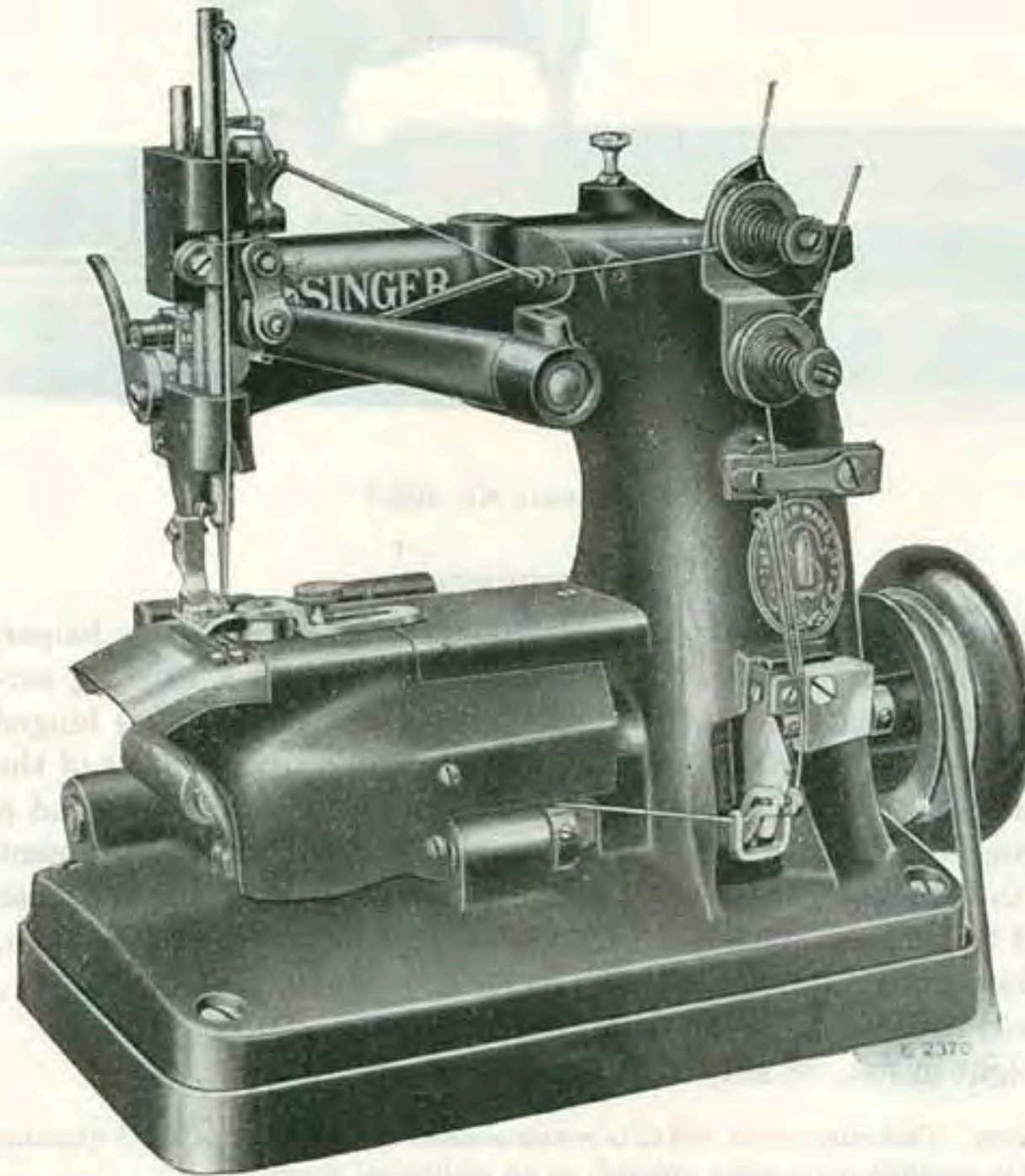
MACHINE NO. 101-11 WITH PORTABLE CASE NO. 204

NO.	DESCRIPTION	PRICE
101-11	ALUMINUM. FOR FAMILY USE..... Cipher, ERPHU. Weight in lbs., 30 net, 70 gross. Cubic meas., 4 ft. 5 in.	



## MACHINES OF CLASS 105

Length of base  $9\frac{1}{4}$  inches;  $4\frac{3}{4}$  inches clear space at right of needle. Two thread chain stitch. Knee lifter.

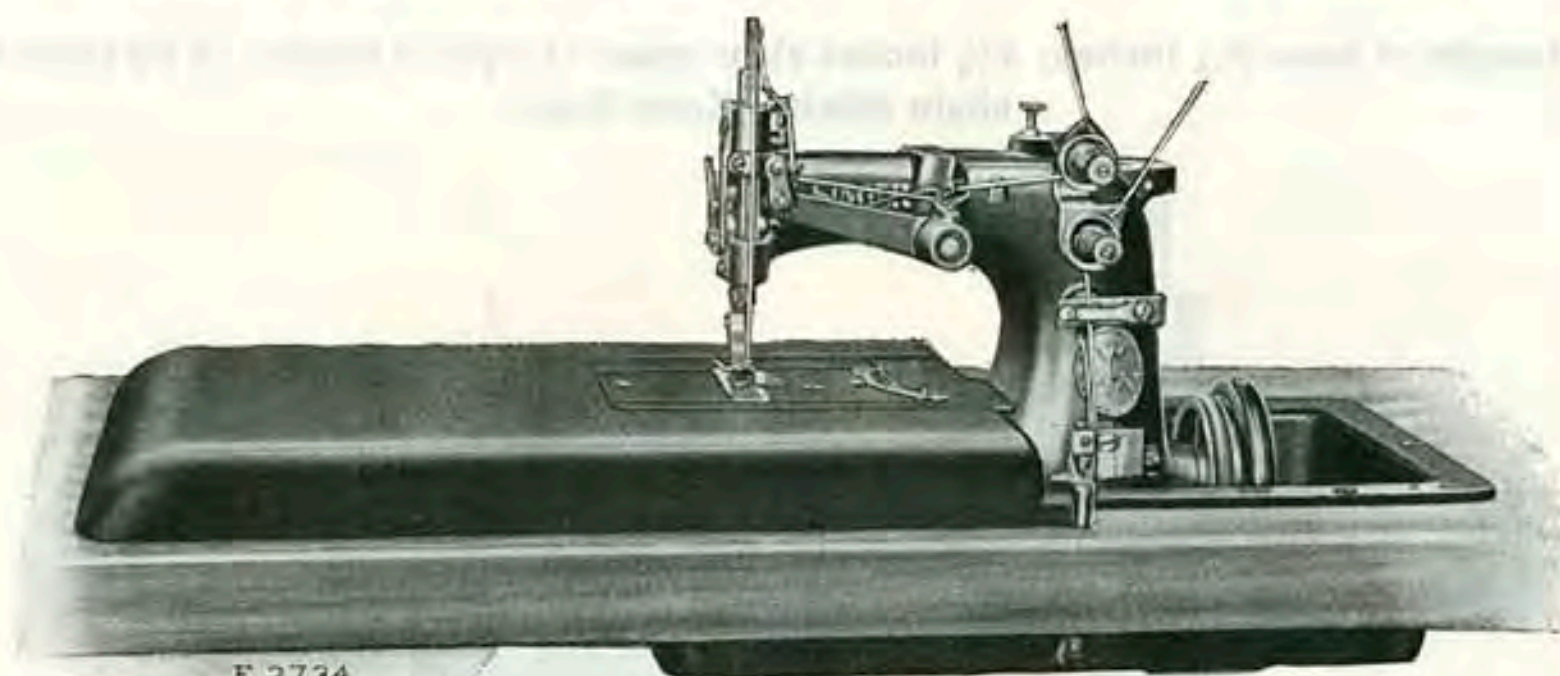


MACHINE No. 105-1

NO.	DESCRIPTION	PRICE
<b>105-1</b>	FOR STITCHING HARVESTERS' GLOVES. One needle, one looper, cylindrical shaped throat plate. Makes seven to twelve stitches to the inch. Balance wheel No. 59208. Diameter of belt groove $2\frac{3}{16}$ inches..... Speed 3500. Cipher, ERVEL. See Form 9412. Weight in lbs., 33 net, 55 gross. Cubic meas., 2 ft. 0 in.	
<b>105-2</b>	FOR STITCHING HARVESTERS' GLOVES. One needle, one looper, flat work plate and throat plate. Makes seven to twelve stitches to the inch. Balance wheel No. 59208. Diameter of belt groove $2\frac{3}{16}$ inches..... Speed 3500. Cipher, ERVEM. Weight in lbs., 35 net, 57 gross. Cubic meas., 2 ft. 0 in.	



## MACHINES OF CLASS 105



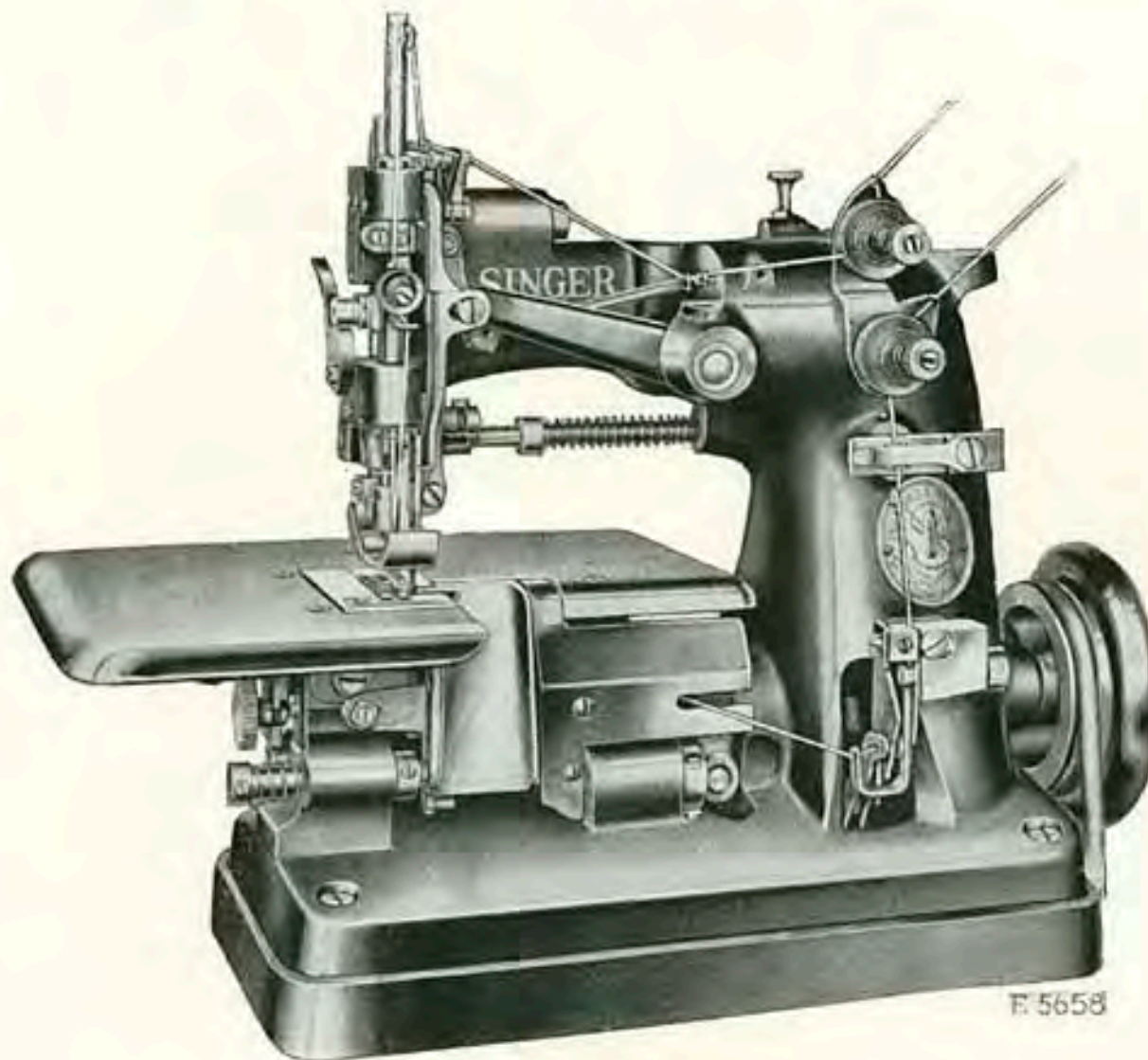
E 2734

MACHINE No. 105-3

NO.	DESCRIPTION	PRICE
105-3	<p>FOR STITCHING HARVESTERS' GLOVES. One needle, one looper, flat work plate with hinged extension which gives a working surface 14 inches long and 10 inches wide. The extension is hinged so that it can be raised for easy access to the working parts of the machine. The right hand slide is fitted with a work guide and a spring lock to lock the slide in position. The regular equipment of the machine includes the cloth plate extension, machine base and transmitter plate. Makes five to twelve stitches to the inch. Balance wheel No. 59208. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . Speed 3500. Cipher, ERVEN. See Form 9464. Weight in lbs., 88 net, 150 gross. Cubic meas., 6 ft. 7 in.</p> <p>NOTE. Underdriver No. 60442 is recommended for use with the 105-3 Machine and is supplied only, when ordered, at an additional charge.</p>	
105-4	<p>FOR STITCHING AND TRIMMING LIGHT, MEDIUM AND HEAVY KNIT GOODS. One needle, one looper, vertical shear trimmer that trims from <math>\frac{1}{16}</math> to <math>\frac{1}{8}</math> inch from the line of stitching. Auxiliary feed, chip chute and knee lifter. Thread cutter on the presser foot. Balance wheel No. 59208. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . Speed 3500. Cipher, ERVEO. See Form 9537. Weight in lbs., 37 net, 60 gross. Cubic meas., 1 ft. 8 in.</p>	



MACHINES OF CLASS 105



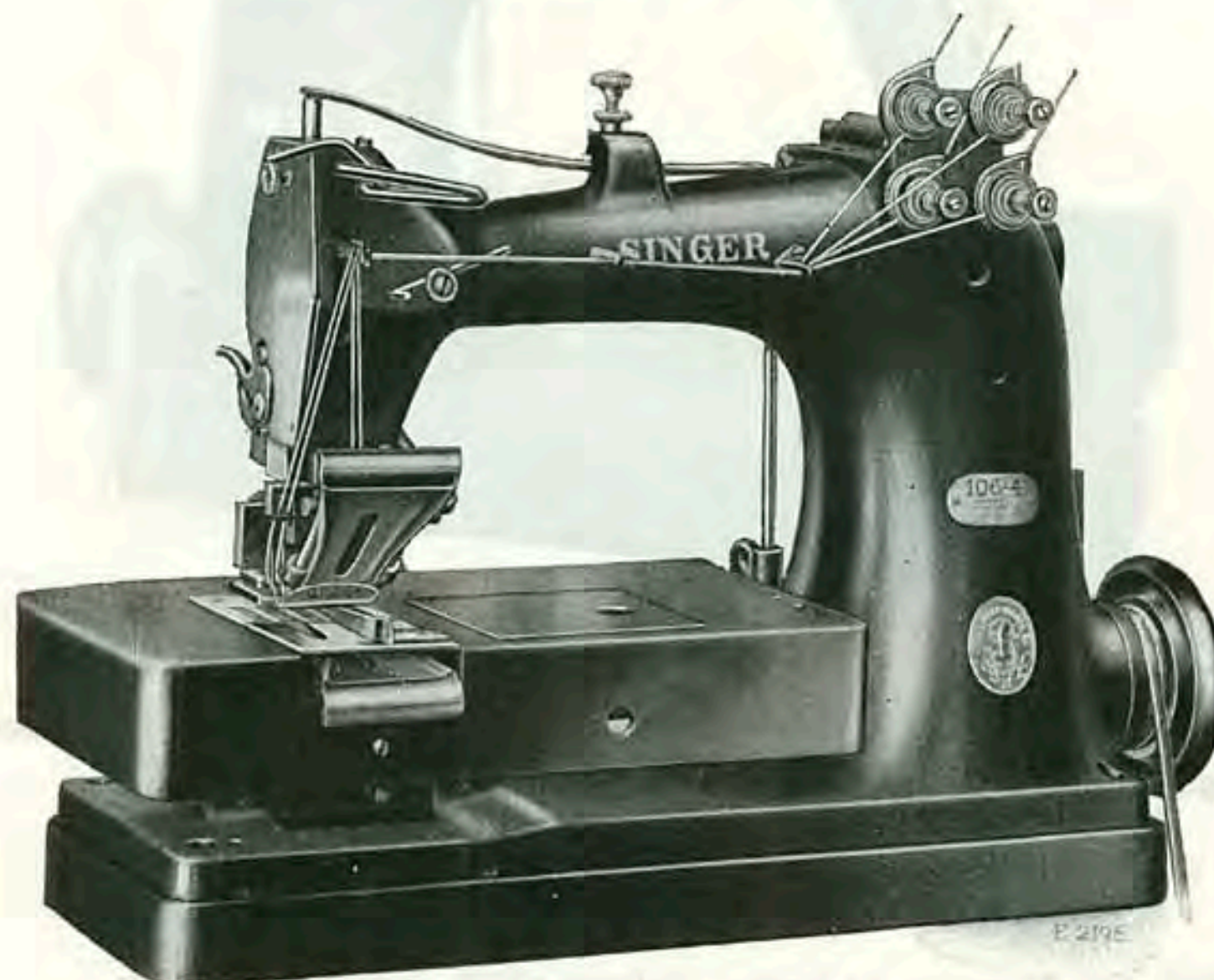
MACHINE No. 105-6

NO.	DESCRIPTION	PRICE
105-6	<p>FOR STITCHING AND TRIMMING HEAVY SHAKER KNIT WOOL SWEATERS, ETC. One needle, one looper; vertical shear trimmer, adjustable from <math>\frac{1}{8}</math> to <math>\frac{3}{16}</math> inch from the line of stitching. Gathering feed. Knee lifter. The stitching and feeding mechanism is positively timed. Balance wheel No. 59208. Diameter of belt groove <math>2\frac{3}{16}</math> inches. . . . .                      Speed 3500. Cipher, ERVES. See Form 9665.                      Weight in lbs., 34 net, 51 gross. Cubic meas., 1 ft. 8 in.</p> <p>NOTE. This machine can be specially fitted to trim up to <math>\frac{1}{4}</math> inch from the line of stitching.</p>	
105-20	<p>FOR HEMMING SILK GLOVES AND SIMILAR WORK IN LIGHT MATERIAL. Two needles, one looper; gauges <math>\frac{7}{32}</math> and <math>\frac{1}{8}</math> inch. Balance wheel No. 59208. Diameter of belt groove <math>2\frac{3}{16}</math> inches. .                      Speed 3500. Cipher, ERVHL.                      Weight in lbs., 37 net, 62 gross. Cubic meas., 2 ft. 4 in.</p>	



## MACHINES OF CLASS 106

Bed 17 inches long;  $8\frac{1}{2}$  inches clear space at right of centre of needle bar. Multiple needle. For simultaneously making a number of parallel rows of single thread chain stitching. Oscillating hooks. Greatest distance between the two outside needles is 6 inches; least distance to be obtained between any two needles is  $\frac{1}{8}$  inch. No feeding surface between needles when gauges are narrower than  $\frac{3}{16}$  inch.



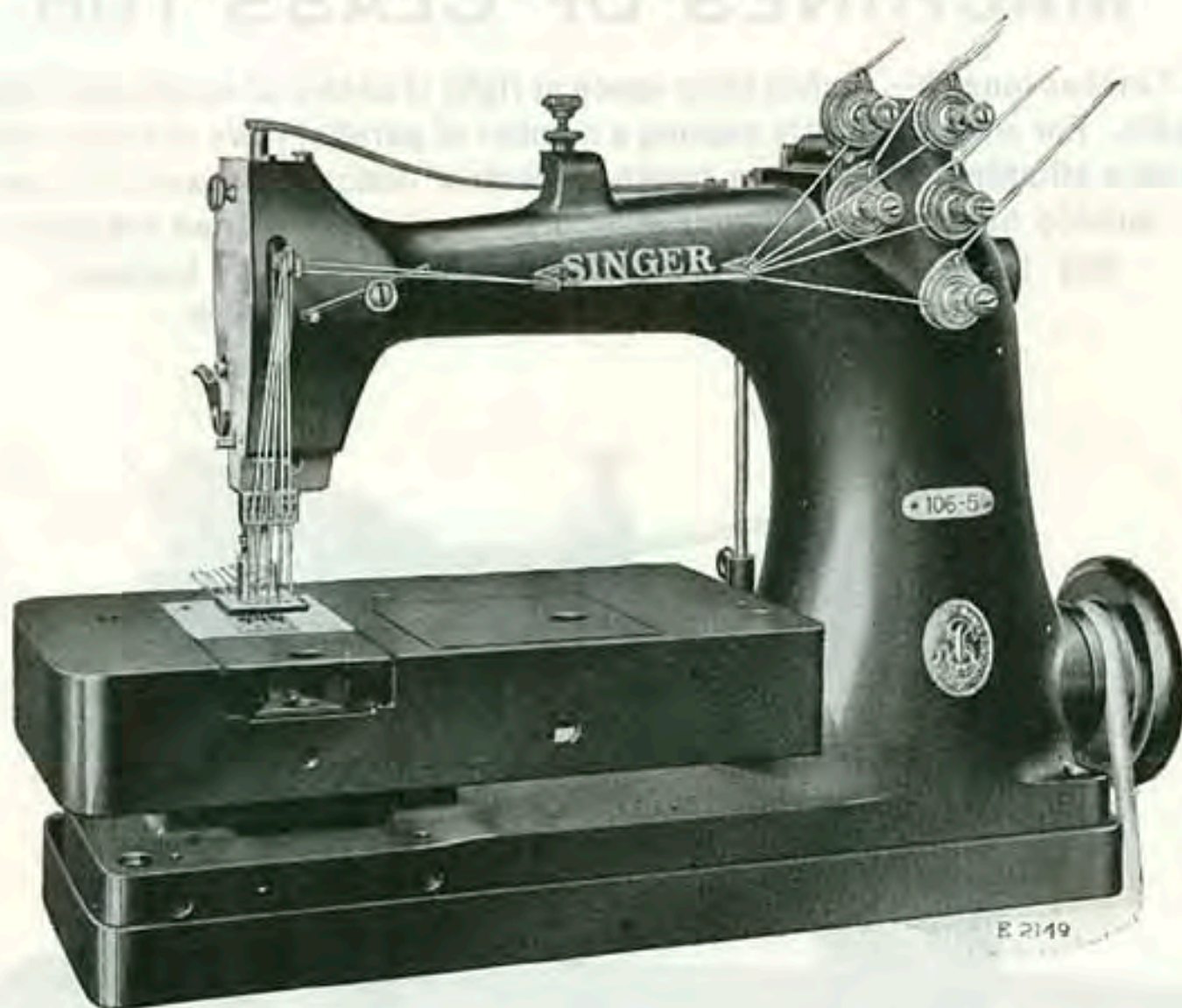
MACHINE NO. 106-4 WITH FOLDERS FOR SHIRT FACINGS

The distance from the outside row of stitching to the edge of the folded strip is  $\frac{1}{16}$  inch. The retail price of the 106-4 Machine as listed does not cover the special fittings for shirt facings. In ordering machines for shirt facings always send samples of material to be used and if possible a sample of the finished garment, stating if long or short strips are to be used. See Form 9396.

NO.	DESCRIPTION	PRICE
106-2	TWO NEEDLES, two hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . . . . Speed 3500. Cipher, ERVIK. Weight in lbs., 100 net, 159 gross. Cubic meas., 6 ft. 5 in.	
106-3	THREE NEEDLES, three hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . . . . Speed 3500. Cipher, ERVIL. Weight in lbs., 84 net, 139 gross. Cubic meas., 6 ft. 5 in.	
106-4	FOUR NEEDLES, four hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . . . . Speed 3500. Cipher, ERVIM. Weight in lbs., 84 net, 142 gross. Cubic meas., 6 ft. 5 in.	



## MACHINES OF CLASS 106



MACHINE No. 106-5

NO.	DESCRIPTION	PRICE
106-5	FIVE NEEDLES, five hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . . . . Speed 3500. Cipher, ERVIN. Weight in lbs., 83 net, 140 gross. Cubic meas., 6 ft. 5 in.	
106-6	SIX NEEDLES, six hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . . . . Speed 3500. Cipher, ERVIO. Weight in lbs., 93 net, 148 gross. Cubic meas., 6 ft. 5 in.	
106-7	SEVEN NEEDLES, seven hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . . . . Speed 3500. Cipher, ERVIP. Weight in lbs., 95 net, 150 gross. Cubic meas., 6 ft. 5 in.	
106-8	EIGHT NEEDLES, eight hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . . . . Speed 3500. Cipher, ERVIQ. Weight in lbs., 87 net, 142 gross. Cubic meas., 6 ft. 5 in.	
106-9	NINE NEEDLES, nine hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . . . . Speed 3300. Cipher, ERVIR. Weight in lbs., 100 net, 160 gross. Cubic meas., 6 ft. 5 in.	
106-10	TEN NEEDLES, ten hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . . . . Speed 3300. Cipher, ERVIT. Weight in lbs., 92 net, 148 gross. Cubic meas., 6 ft. 5 in.	

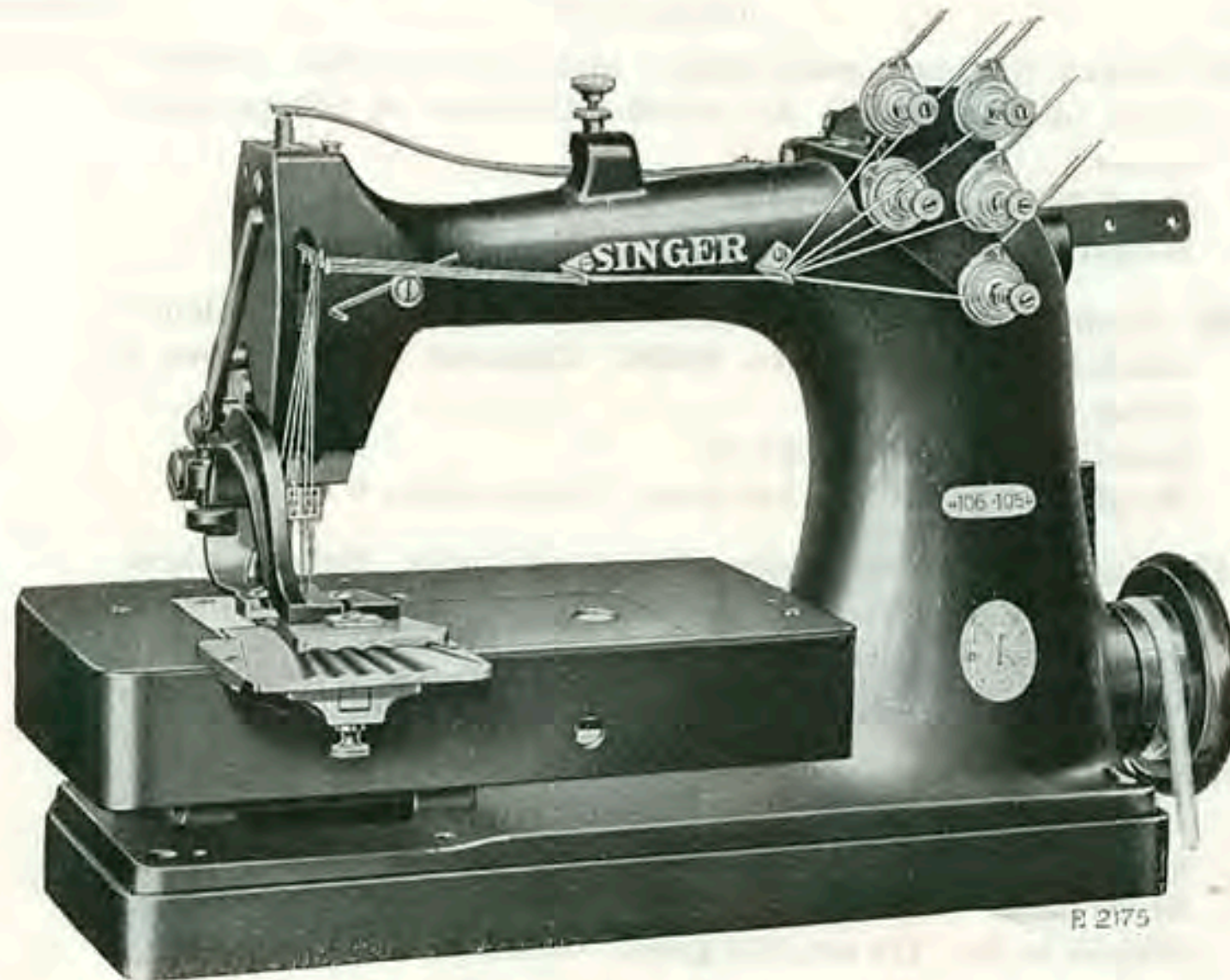


## MACHINES OF CLASS 106

NO.	DESCRIPTION	PRICE
<b>106-11</b>	ELEVEN NEEDLES, eleven hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Speed 3300. Cipher, ERVIU. Weight in lbs., 115 net, 232 gross. Cubic meas., 6 ft. 5 in.	
<b>106-12</b>	TWELVE NEEDLES, twelve hooks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Speed 3300. Cipher, ERVIV. Weight in lbs., 112 net, 168 gross. Cubic meas., 6 ft. 5 in.	



## MACHINES OF CLASS 106



MACHINE No. 106-105

Machines Nos. 105-104, 106-105, 106-107, 106-108, 106-110 and 106-112 are Nos. 106-4, 106-5, 106-7, 106-8, 106-10 and 106-12 with the addition to each of an automatic tuck folding attachment located in front of the needles, whereby a number of tucks, equal to the number of needles in the machine, can be folded and stitched at the same time.

Machines will be made to any required gauge within the limits given in descriptions of Machines of Class 106.

Tucks may be made the full width of the distance between each pair of needles or a tuck and a space in the same distance; the size of tucks and spaces must be specified upon the order for the machine.

By removing needles the spaces can be changed to form separate clusters of tucks, or one or more separate tucks of the same width, but for this purpose extra upper and lower plates will be necessary for each style desired. These plates can be supplied with machines when so ordered or fitted to machines if sent to the Factory for the purpose. See Form 9396.

NO.	DESCRIPTION	PRICE
106-104	FOUR NEEDLES, four hooks. Makes four tucks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . Speed 3500. Cipher, ERWAO. Weight in lbs., 93 net, 149 gross. Cubic meas., 6 ft. 5 in.	
106-105	FIVE NEEDLES, five hooks. Makes five tucks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . Speed 3500. Cipher, ERWAP. Weight in lbs., 93 net, 149 gross. Cubic meas., 6 ft. 5 in.	



## MACHINES OF CLASS 106

NO.	DESCRIPTION	PRICE
<b>106-107</b>	SEVEN NEEDLES, seven hooks. Makes seven tucks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Speed 3500. Cipher, ERWAS. Weight in lbs., 98 net, 155 gross. Cubic meas., 6 ft. 5 in.	
<b>106-108</b>	EIGHT NEEDLES, eight hooks. Makes eight tucks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Speed 3500. Cipher, ERWAT. Weight in lbs., 88 net, 145 gross. Cubic meas., 6 ft. 5 in.	
<b>106-110</b>	TEN NEEDLES, ten hooks. Makes ten tucks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches Speed 3300. Cipher, ERWAV. Weight in lbs., 119 net, 176 gross. Cubic meas., 6 ft. 5 in.	
<b>106-112</b>	TWELVE NEEDLES, twelve hooks. Makes twelve tucks. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Speed 3300. Cipher, ERWAX. Weight in lbs., 118 net, 185 gross. Cubic meas., 6 ft. 5 in.	



## MACHINES OF CLASS 107

Cylinder bed  $3\frac{3}{8}$  inches in diameter;  $6\frac{5}{8}$  inches clear space from needle to base of arm. Single thread chain stitch, oblique needle and presser bar positions. Rotating hook. Foot lifter.



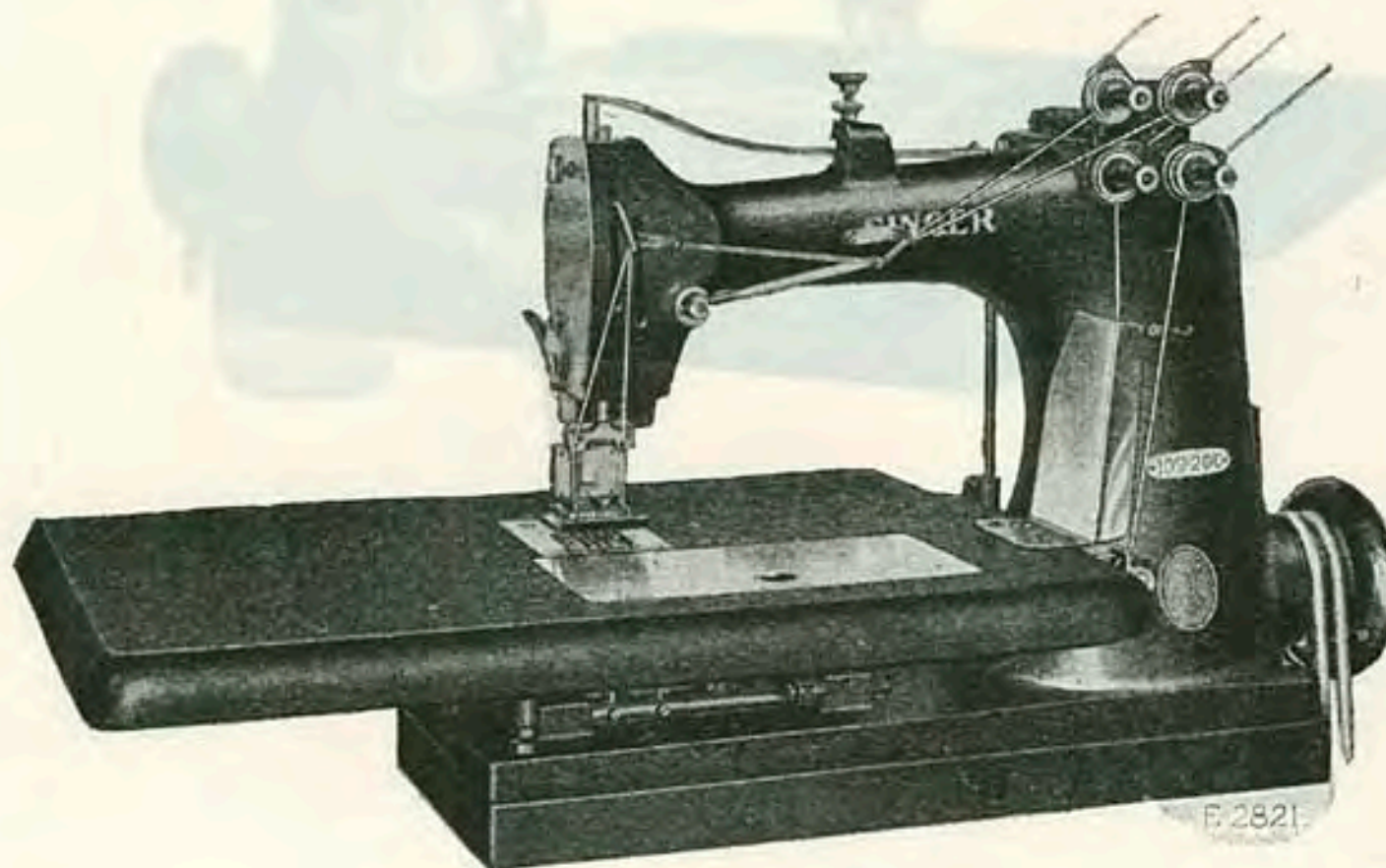
MACHINE No. 107-1

NO.	DESCRIPTION	PRICE
<b>107-1</b>	<p>FOR STITCHING PAPER LINING IN LADIES' HATS; also taped sweat bands either fitted or not fitted, in men's straw and soft felt hats. Greatest distance between throat plate and presser foot <math>\frac{13}{16}</math> inch. Maximum length of stitch <math>\frac{1}{2}</math> inch. Balance wheel No. 59002. Diameter of belt groove <math>2\frac{3}{4}</math> inches. . . . .                      Speed up to 2500, according to material being stitched and length of stitch. Cipher, ERZAN. See Form 9395.                      Weight in lbs., 48 net, 77 gross. Cubic meas., 3 ft. 2 in.</p> <p>NOTE. This machine is regularly fitted with Feed Dog No. 59011, Presser Foot No. 59039, Throat Plate No. 59043 and Guide No. 36724, but combination parts for any of the operations enumerated below will be substituted if so ordered.</p> <p>PARTS USED FOR OPERATIONS AS NOTED.                      WHEN ORDERING SPECIFY STYLE OF FITTINGS REQUIRED.</p> <p>FOR STITCHING LINING IN LADIES' HATS: Feed Dog No. 59011, Presser Foot No. 59039 and Throat Plate No. 59043.                      FOR STITCHING TAPED SWEAT BANDS IN MEN'S STRAW HATS: Feed Dog No. 59011, Presser Foot No. 59039, Throat Plate No. 59043 and Guide No. 36724.                      FOR STITCHING FITTED SWEAT BANDS IN MEN'S STRAW HATS: Feed Dog No. 59011, Presser Foot No. 59039, Throat Plate No. 59043 and Hinged Guide No. 36894.                      FOR STITCHING FITTED SWEAT BANDS IN MEN'S SOFT FELT HATS: Feed Dog No. 59012, Presser Foot No. 59039, Throat Plate No. 59045 and Hinged Guide No. 36895.</p>	



## MACHINES OF CLASS 109

Bed 17 inches long; 8½ inches clear space at right of centre of needle bar.  
**Multiple needles.** For simultaneously making a number of parallel rows  
of two-thread chain stitching. Oscillating loopers. Greatest distance  
between the two outside needles is 5½ inches. Minimum gauge  
obtainable on two-needle machines is ⅜ inch; on all other  
machines ⅛ inch. Flat work plate 18 inches long and  
12 inches wide. Foot lifter. Tension releaser.



MACHINE No. 109-200

NO.	DESCRIPTION	PRICE
109-200	Two NEEDLES, two loopers. Gauges ⅜ to 1½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Speed up to 3500, according to the material being stitched. Cipher, ERZOE. Weight in lbs., 101 net, 158 gross. Cubic meas., 6 ft. 5 in.	
109-201	Two NEEDLES, two loopers. Gauges 1 <sup>9</sup> / <sub>16</sub> to 3½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Speed up to 3500, according to the material being stitched. Cipher, ERZOF. Weight in lbs., 101 net, 158 gross. Cubic meas., 6 ft. 5 in.	

For Machines of Class 109- see Form 9461.

Insert for Form 8800 in place of leaf now showing corresponding machines (April, 1925).

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MACHINES OF CLASS 109



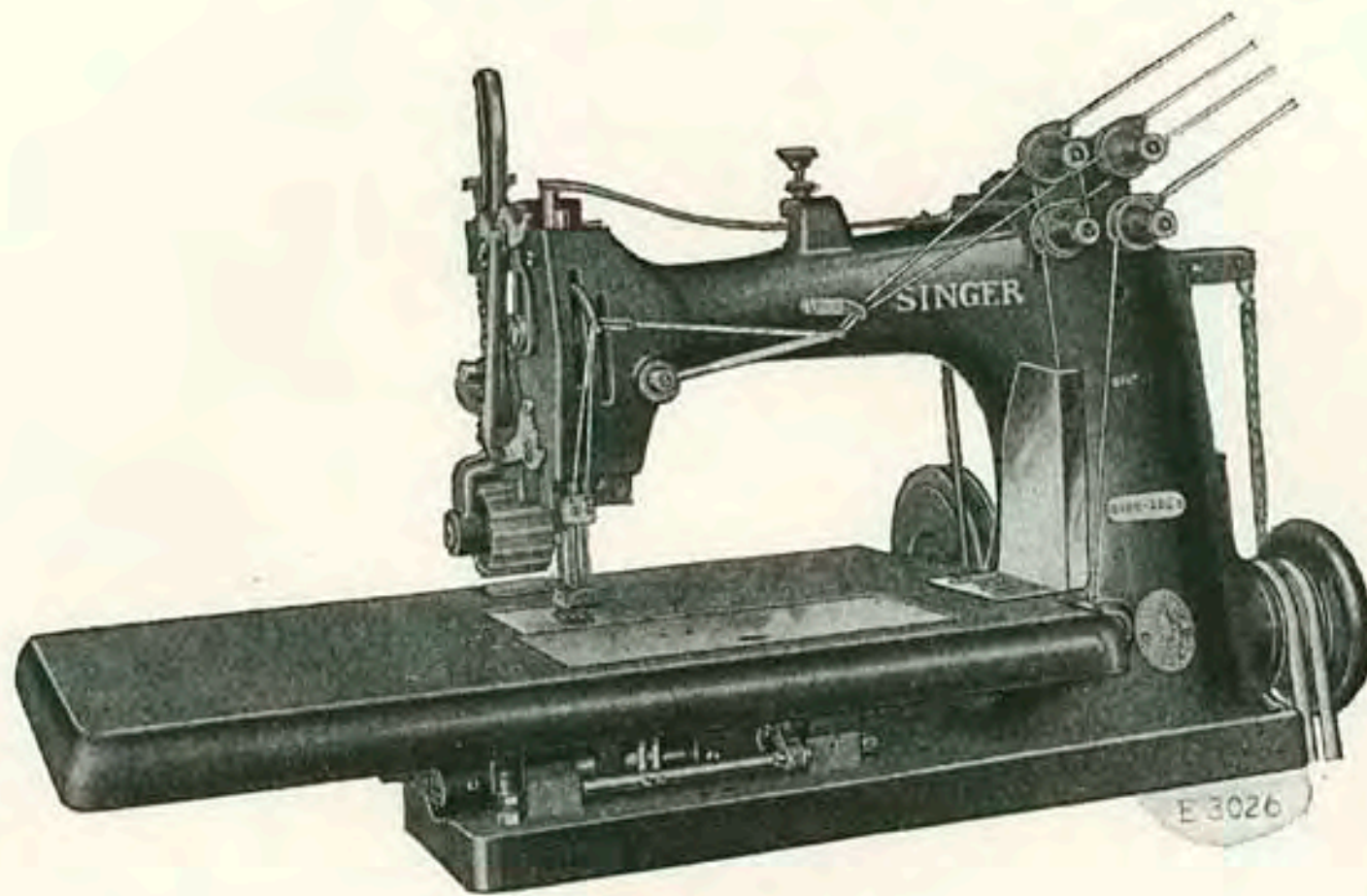
MACHINE No. 109-204

NO.	DESCRIPTION	PRICE
109-204	<p>FOR HEAVY WORK IN FABRICS NOT REQUIRING A PULLER FEED. Two needles, two loopers. Gauges from <math>\frac{3}{8}</math> to <math>1\frac{1}{2}</math> inches. Large vertical rising feed. The machine is fitted with two double hinged presser feet, set tandem on two presser bars, making them independently adjustable, so that the pressure of either foot on the material can be regulated to suit the work. Lift of presser feet <math>\frac{1}{4}</math> inch. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches. . . . . Speed up to 3500, according to the material being stitched. CIPHER, ERZOI. Weight in lbs., 94 net, 152 gross. Cubic meas., 6 ft. 5 in.</p>	
109-205	<p>TWO NEEDLES, two loopers. Gauges from <math>1\frac{9}{16}</math> to <math>3\frac{1}{2}</math> inches. This machine differs from No. 109-204 machine only in the gauges. . . . . Speed up to 3500, according to the material being stitched. CIPHER, ERZOI. Weight in lbs., 96 net, 154 gross. Cubic meas., 6 ft. 5 in.</p>	

For Machines of Class 109- see Form 9461.



MACHINES OF CLASS 109



MACHINE No. 109-206

NO.	DESCRIPTION	PRICE
109-206	<p>FOR WORK ON TENTS, OVERALLS and other similar work where a flat seam is required. Two needles, two loopers. Gauges from <math>\frac{3}{8}</math> to <math>1\frac{1}{2}</math> inches. The machine is fitted with upper and under corrugated feed rolls attached to the bed of the machine to assist in carrying the material from the machine after being stitched. The under roller receives its motion from an eccentric on the looper shaft, insuring a unison of motion of the stitching mechanism and the feed rolls. Plain hinged presser foot. Balance wheel (double grooved) No. 61006. Diameter of belt groove 2 inches.....</p> <p>Speed up to 3500, according to the material being stitched.</p> <p>Cipher, ERCAR. See Form 9506.</p> <p>Weight in lbs., 105 net, 163 gross. Cubic meas., 6 ft. 5 in.</p>	
109-207	<p>TWO NEEDLES, two loopers. Gauges from <math>1\frac{9}{16}</math> to <math>3\frac{1}{2}</math> inches. This machine differs from No. 109-206 Machine only in the gauges.....</p> <p>Speed up to 3500, according to the material being stitched.</p> <p>Cipher, ERCES.</p> <p>Weight in lbs., 105 net, 163 gross. Cubic meas., 6 ft. 5 in.</p>	

For Machines of Class 109- see Form 9461.

Insert for Form 8800 (April, 1925).

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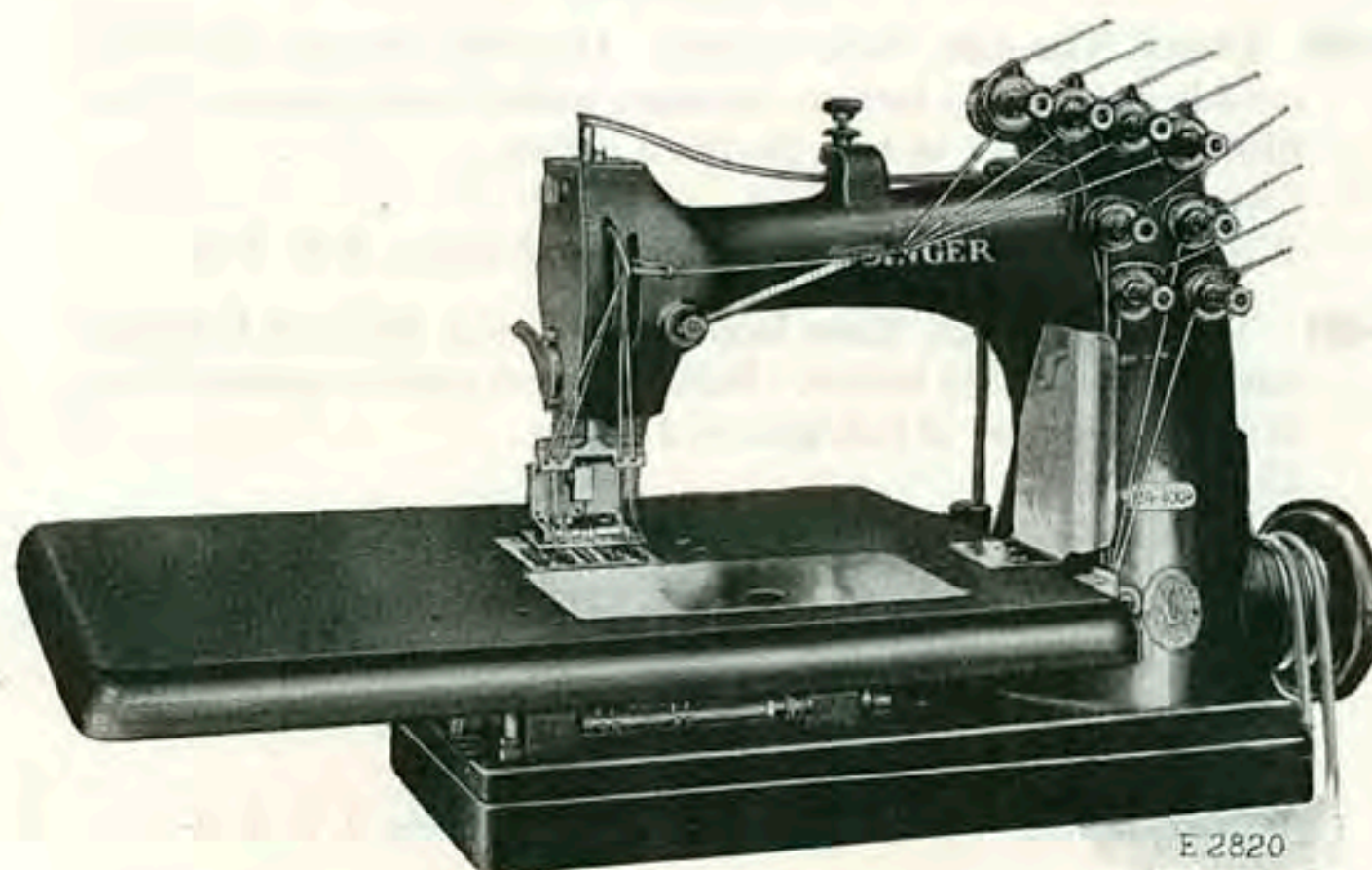


## MACHINES OF CLASS 109

NO.	DESCRIPTION	PRICE
109-300	<p>THREE NEEDLES, three loopers. Greatest distance between outside needles 1½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches.....</p> <p>Cipher, ERZOR.</p> <p>Weight in lbs., 91 net, 149 gross. Cubic meas., 6 ft. 5 in.</p>	
109-301	<p>THREE NEEDLES, three loopers. Greatest distance between outside needles 3½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches.....</p> <p>Cipher, ERZOS.</p> <p>Weight in lbs., 100 net, 148 gross. Cubic meas., 6 ft. 5 in.</p>	
109-302	<p>THREE NEEDLES, three loopers. Greatest distance between outside needles 5½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches.....</p> <p>Cipher, ERZOT.</p> <p>Weight in lbs., 95 net, 155 gross. Cubic meas., 6 ft. 5 in.</p>	



## MACHINES OF CLASS 109



MACHINE No. 109-400

NO.	DESCRIPTION	PRICE
109-400	<p>FOUR NEEDLES, four loopers. Greatest distance between outside needles 1½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches.....</p> <p>Cipher, ERZOJ.</p> <p>Weight in lbs., 100 net, 148 gross. Cubic meas., 6 ft. 5 in.</p>	
109-401	<p>FOUR NEEDLES, four loopers. Greatest distance between outside needles 3½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches.....</p> <p>Cipher, ERZOK.</p> <p>Weight in lbs., 101 net, 158 gross. Cubic meas., 6 ft. 5 in.</p>	
109-402	<p>FOUR NEEDLES, four loopers. Greatest distance between outside needles 5½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches.....</p> <p>Cipher, ERZOL.</p> <p>Weight in lbs., 101 net, 158 gross. Cubic meas., 6 ft. 5 in.</p>	



## MACHINES OF CLASS 109

NO.	DESCRIPTION	PRICE
109-600	SIX NEEDLES, six loopers. Greatest distance between outside needles $1\frac{1}{2}$ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Cipher, ERZPA. Weight in lbs., 103 net, 163 gross. Cubic meas., 6 ft. 5 in.	
109-601	SIX NEEDLES, six loopers. Greatest distance between outside needles $3\frac{1}{2}$ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Cipher, ERZPB. Weight in lbs., 106 net, 165 gross. Cubic meas., 6 ft. 5 in.	
109-602	SIX NEEDLES, six loopers. Greatest distance between outside needles $5\frac{1}{2}$ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Cipher, ERZPC. Weight in lbs., 106 net, 165 gross. Cubic meas., 6 ft. 5 in.	

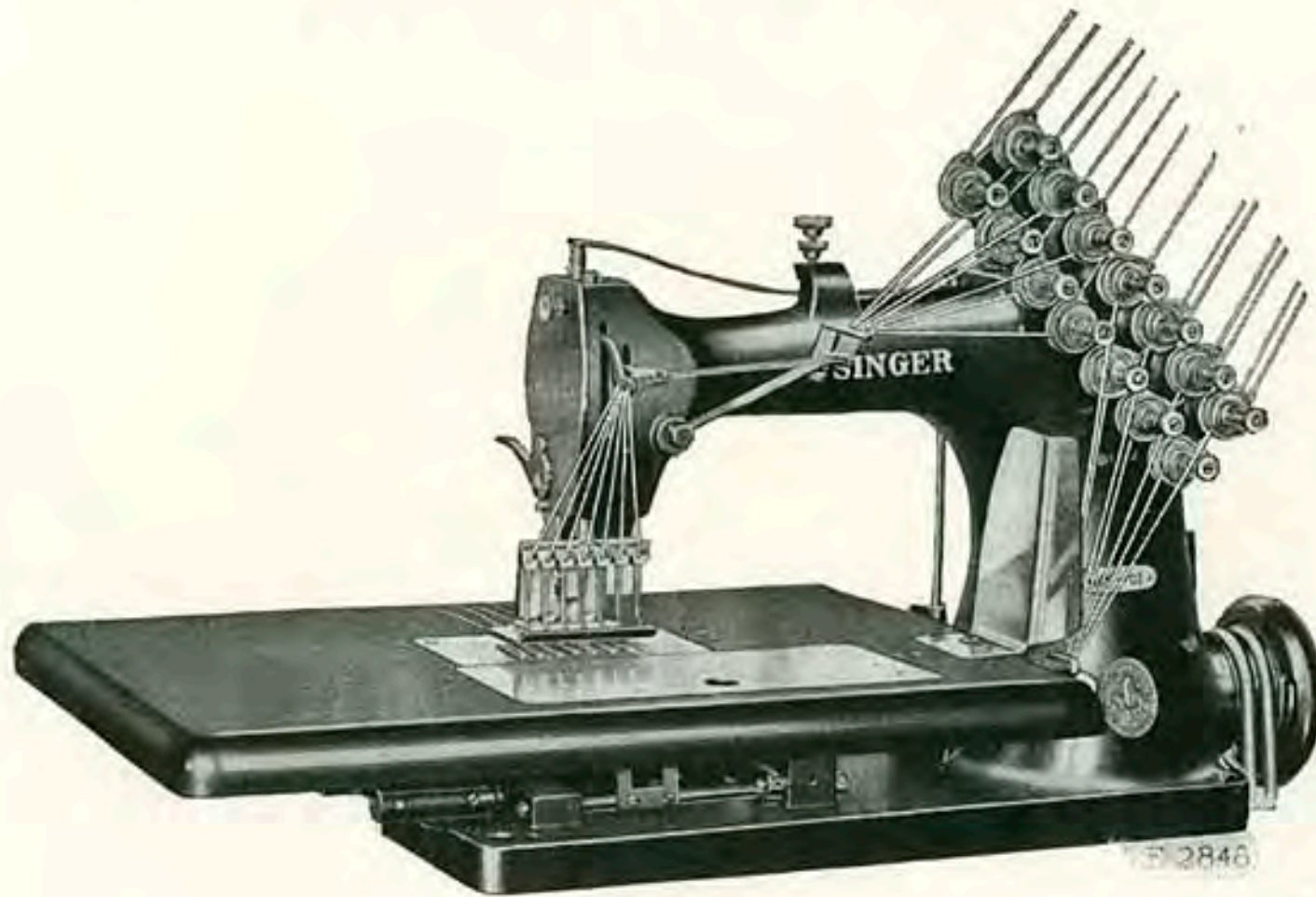
For Machines of Class 109- see Form 9461.

Insert for Form 8800 (April, 1925).

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## MACHINES OF CLASS 109



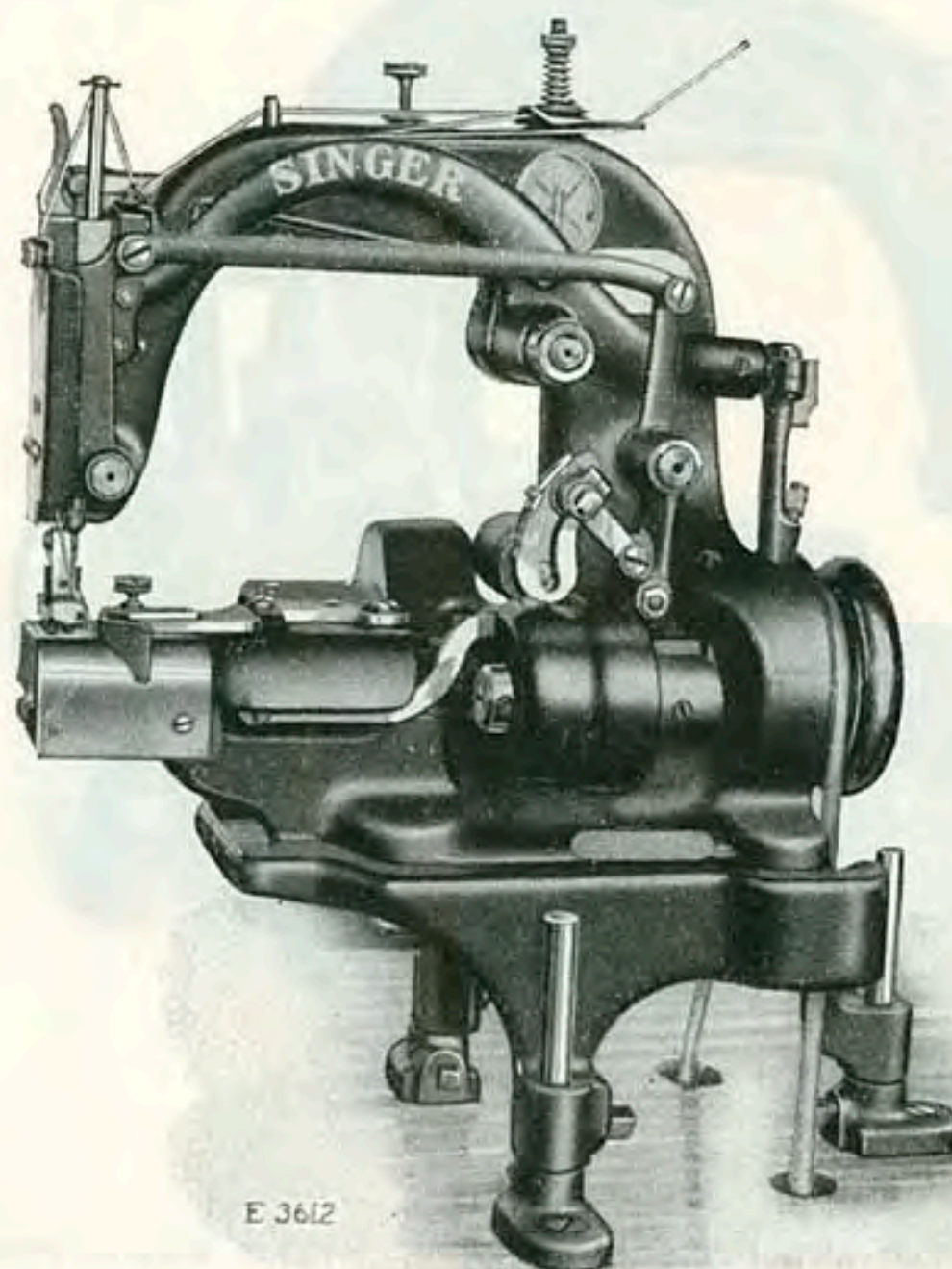
MACHINE NO. 109-701

NO.	DESCRIPTION	PRICE
109-700	SEVEN NEEDLES, seven loopers. Greatest distance between outside needles 1½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Cipher, ERZOV. Weight in lbs., 102 net, 160 gross. Cubic meas., 6 ft. 5 in.	
109-701	SEVEN NEEDLES, seven loopers. Greatest distance between outside needles 3½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Cipher, ERZOW. Weight in lbs., 109 net, 167 gross. Cubic meas., 6 ft. 5 in.	
109-702	SEVEN NEEDLES, seven loopers. Greatest distance between outside needles 5½ inches. Balance wheel (double groove) No. 61006. Diameter of belt groove 2 inches..... Cipher, ERZOX. Weight in lbs., 112 net, 170 gross. Cubic meas., 6 ft. 5 in.	



## MACHINES OF CLASS 112

Cylinder bed, 6½ inches clear working space at the right of the needle. Single thread, chain stitch. Foot lifter and iron base.

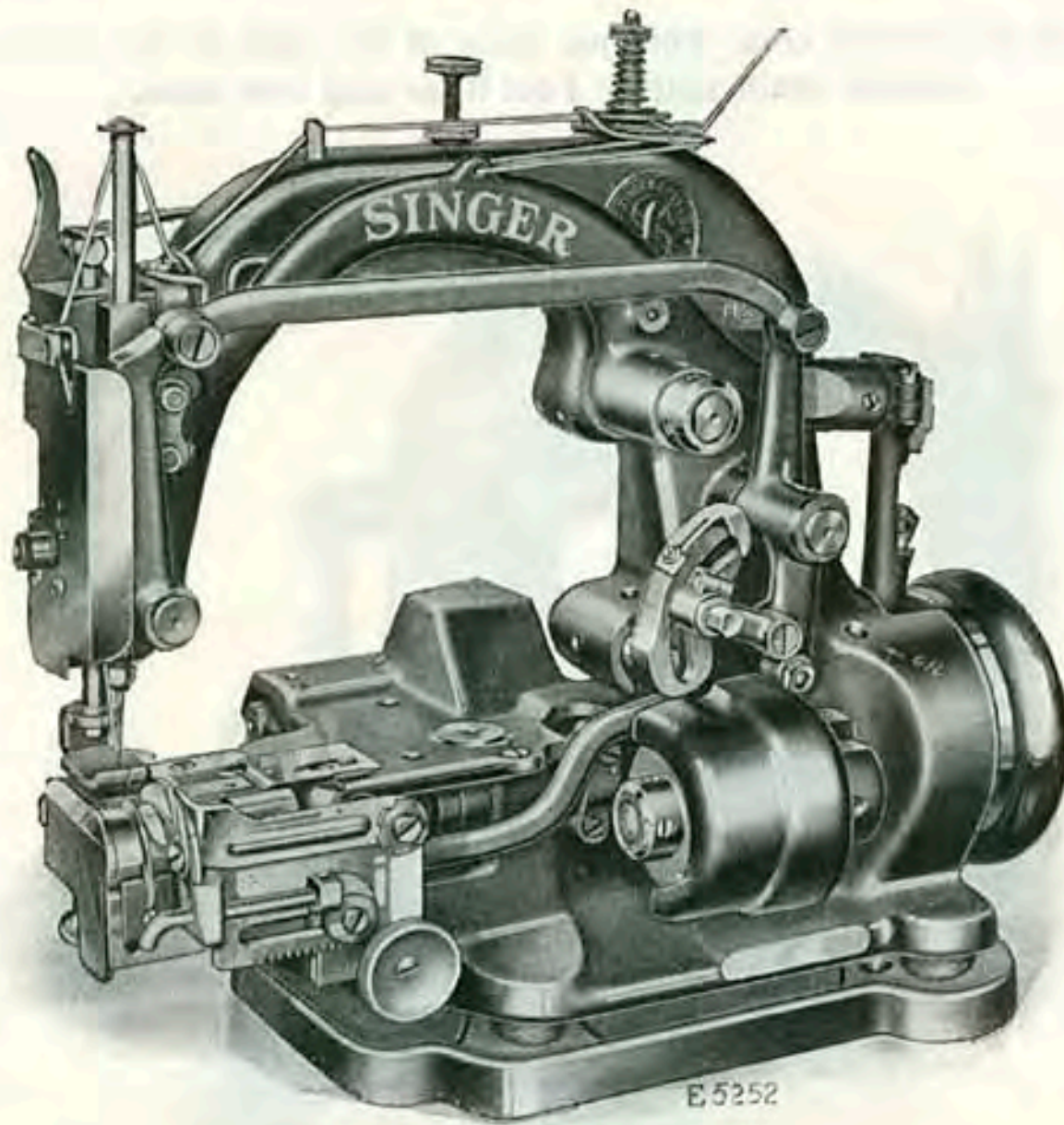


MACHINE No. 112-1

NO.	DESCRIPTION	PRICE
112-1	FOR WIRING LADIES' HATS, with an overseaming zigzag stitch, throw of needle up to $\frac{3}{16}$ inch. Drop feed, regularly fitted with swing out work guide. Balance wheel and needle bar lever eccentric No. 64807. Diameter of belt groove $2\frac{1}{8}$ inches. . . . . Speed 2800. Cipher, ERXUL. See Form 9574. Weight in lbs., 47 net, 71 gross. Cubic meas., 3 ft. 2 in.	



MACHINES OF CLASS 112



MACHINE No. 112-3

NO.	DESCRIPTION	PRICE
112-3	No. cancelled. Superseded by No. 112-4 Machine.	

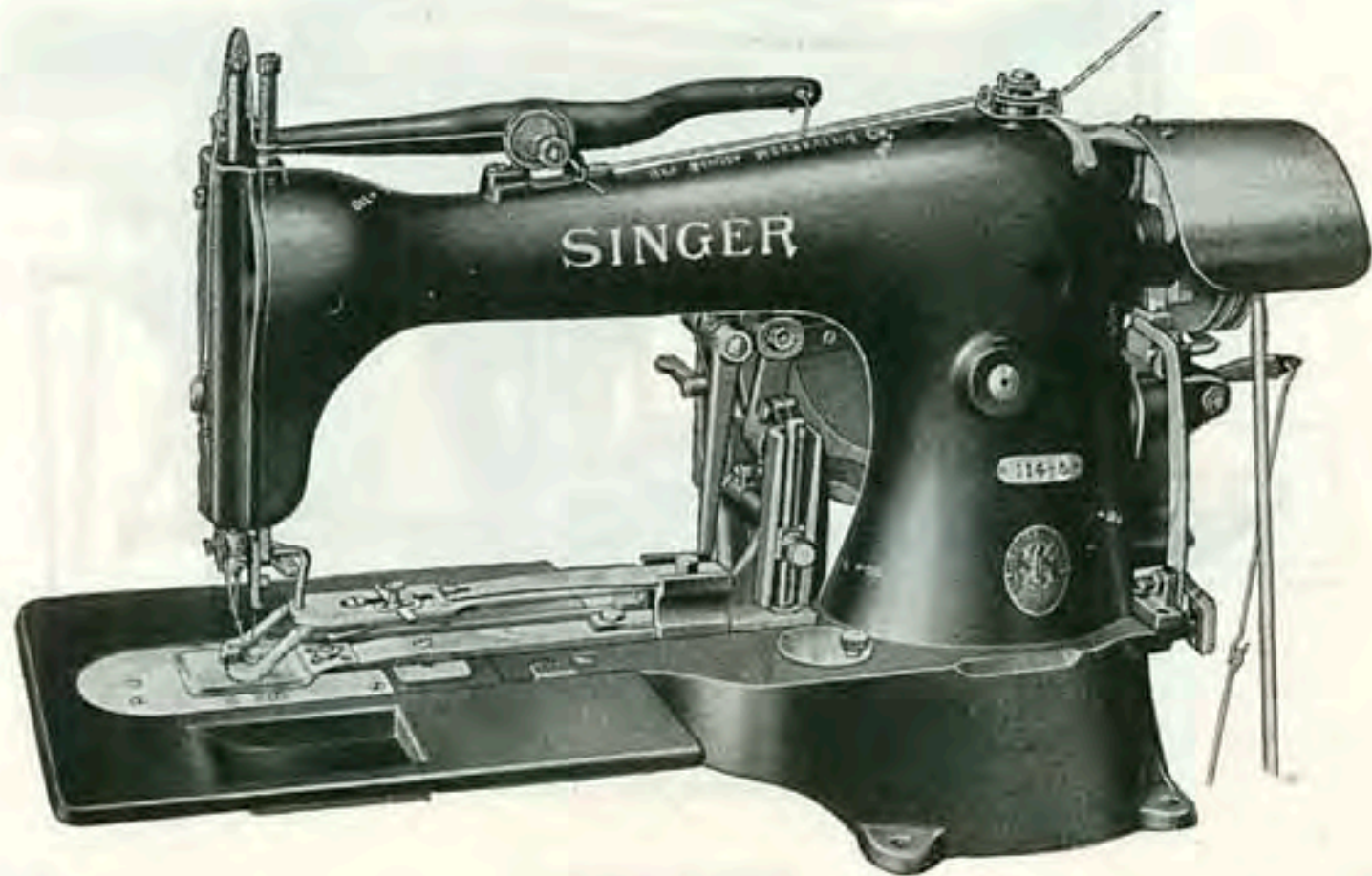
FINISHED EDGE AND PYROXYLIN BRAID USED IN THE MANUFACTURE OF HATS. Overseaming zigzag single thread chain stitch; the needle vibrates up to  $\frac{3}{16}$  inch. Length of stitch from  $\frac{1}{24}$  to  $\frac{1}{8}$  inch. Drop feed, feed dogs and presser feet for different varieties of braid. Adjustable guide for the different widths of braid. Tipper. Braid dividing finger hinged, to throw out while making the button of the hat. Compound tension. Self setting needle. Flat combination base and drip pan in place of the adjustable base. Balance wheel and needle bar lever eccentric No. 64807. Diameter of belt groove  $2\frac{1}{8}$  inches. . . . .  
 Speed 2800. Cipher, ERDAR. See Form 9660.  
 Weight in lbs., 36 net, 67 gross. Cubic meas., 3 ft. 2 in.

NOTE. The foot lifter will be furnished with the 112-3 Machine only when specified on order.



# MACHINES OF CLASS 114

Cylinder bed. For sewing on flat buttons and tacking. Single thread chain stitch. Automatic thread-cutting mechanism. Low cylinder bed.

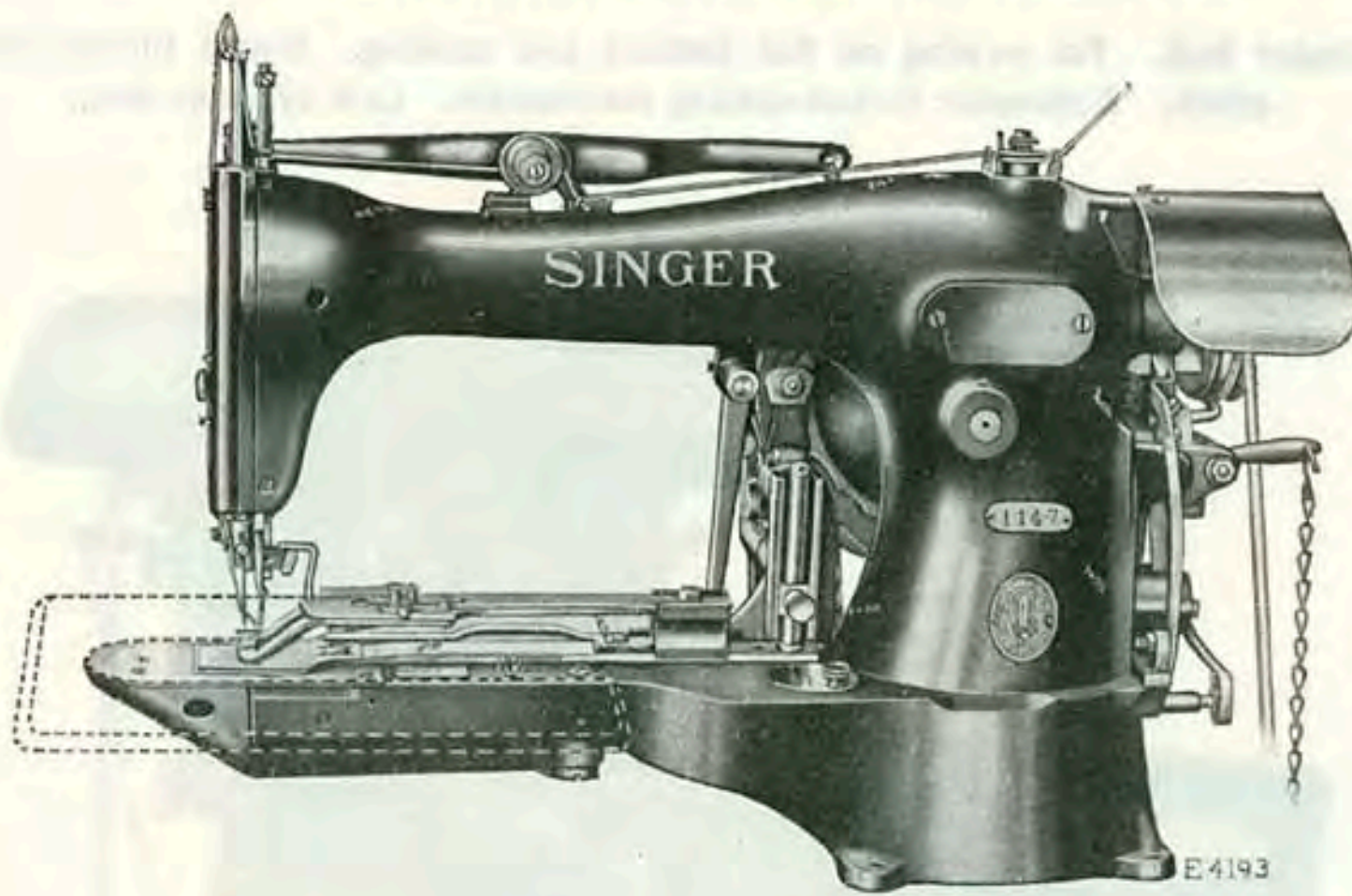


MACHINE NO. 114-6

NO.	DESCRIPTION	PRICE
114-5	<p>No. cancelled. Superseded by No. 114-25 Machine            AND UNDERWEAR. Small buttons only. Makes two parallel bars            in four-hole buttons. Makes fourteen stitches, including the fasten-            ing stitch; fitted with improved thread controlling mechanism and            thread nipping device to hold the end of the thread until the first            stitch is made. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math>            inches.....            Speed 1100. Cipher, ERYAF. See Form 9545.            Weight in lbs., 65 net, 93 gross. Cubic meas., 3 ft. 4 in.</p>	W
114-6	<p>No. cancelled. Superseded by No. 114-26 Machine            AND UNDERWEAR. Small buttons only. Makes two parallel bars            in four-hole buttons. Makes twenty-one stitches, including the            fastening stitch; fitted with improved thread controlling mechan-            ism and thread nipping device to hold the end of the thread until            the first stitch is made. Pulley No. 17942. Diameter of belt groove  <math>2\frac{7}{8}</math> inches.....            Speed 1100. Cipher, ERYAG. See Form 9545.            Weight in lbs., 67 net, 96 gross. Cubic meas., 3 ft. 4 in.</p>	W



MACHINES OF CLASS 114



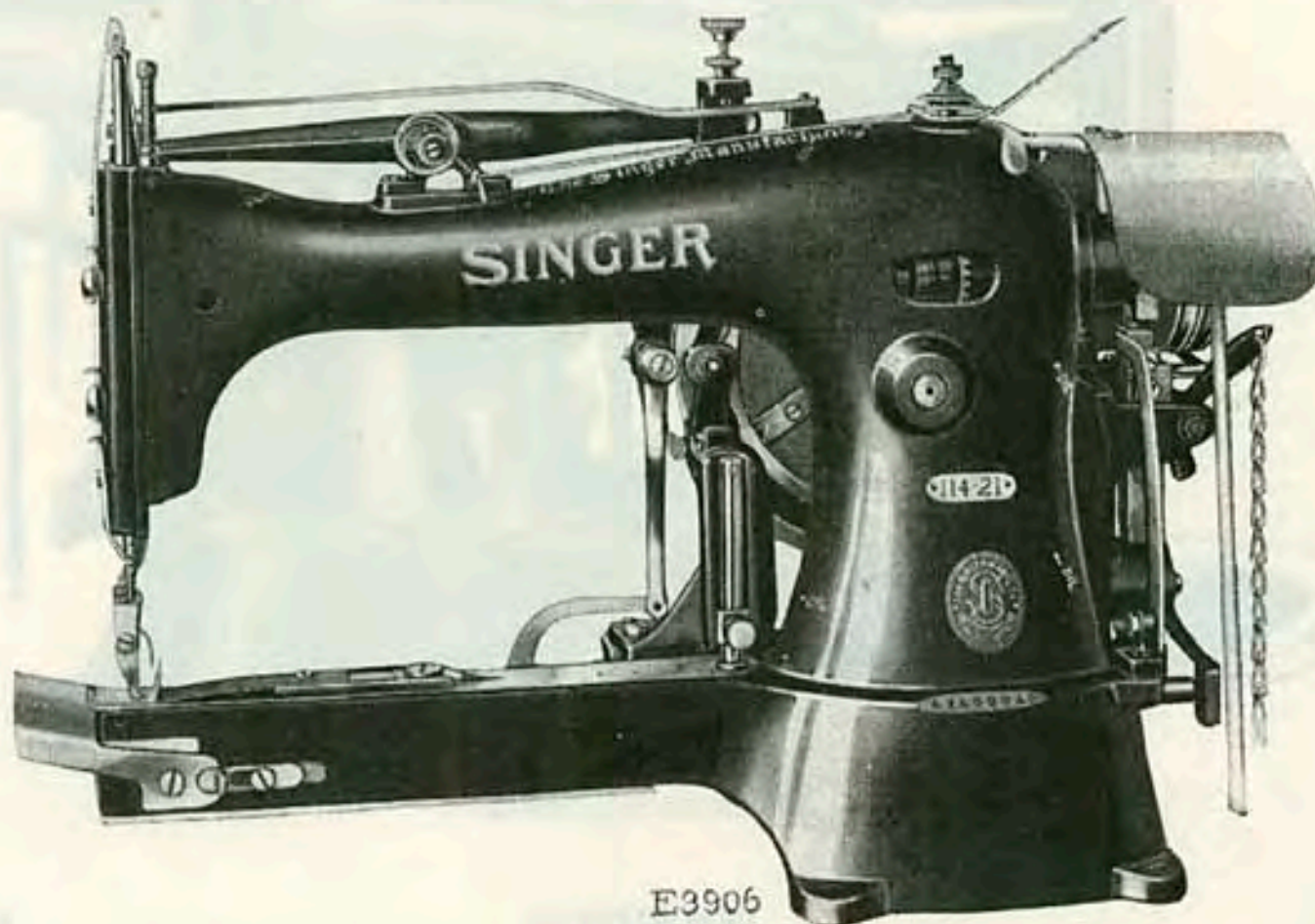
MACHINE No. 114-7

NO.	DESCRIPTION	PRICE
114-7	<p>FOR SEWING TWO OR FOUR-HOLE BUTTONS ON SHIRTS, WAISTS AND UNDERWEAR. Small buttons only. Makes cross stitches in four-hole buttons and can be adjusted for two-hole and bar buttons. Makes fourteen stitches, including the fastening stitch; fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . . Speed 1100. Cipher, ERYAH. See Form 9583. Weight in lbs., 68 net, 97 gross. Cubic meas., 3 ft. 4 in.</p>	
114-8	<p>FOR CLOTHING, SHIRTWAISTS, ETC. Makes cross stitches in four-hole buttons and can be adjusted for two-hole and bar buttons. Makes twenty-one stitches, including the fastening stitch; fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . . Speed 1100. Cipher, ERYAI. See Form 9583. Weight in lbs., 68 net, 97 gross. Cubic meas., 3 ft. 4 in.</p>	



# MACHINES OF CLASS 114

Cylinder bed. For sewing on flat buttons and tacking. Single thread chain stitch. Automatic thread-cutting mechanism. Low cylinder bed.



E3906

MACHINE No. 114-21

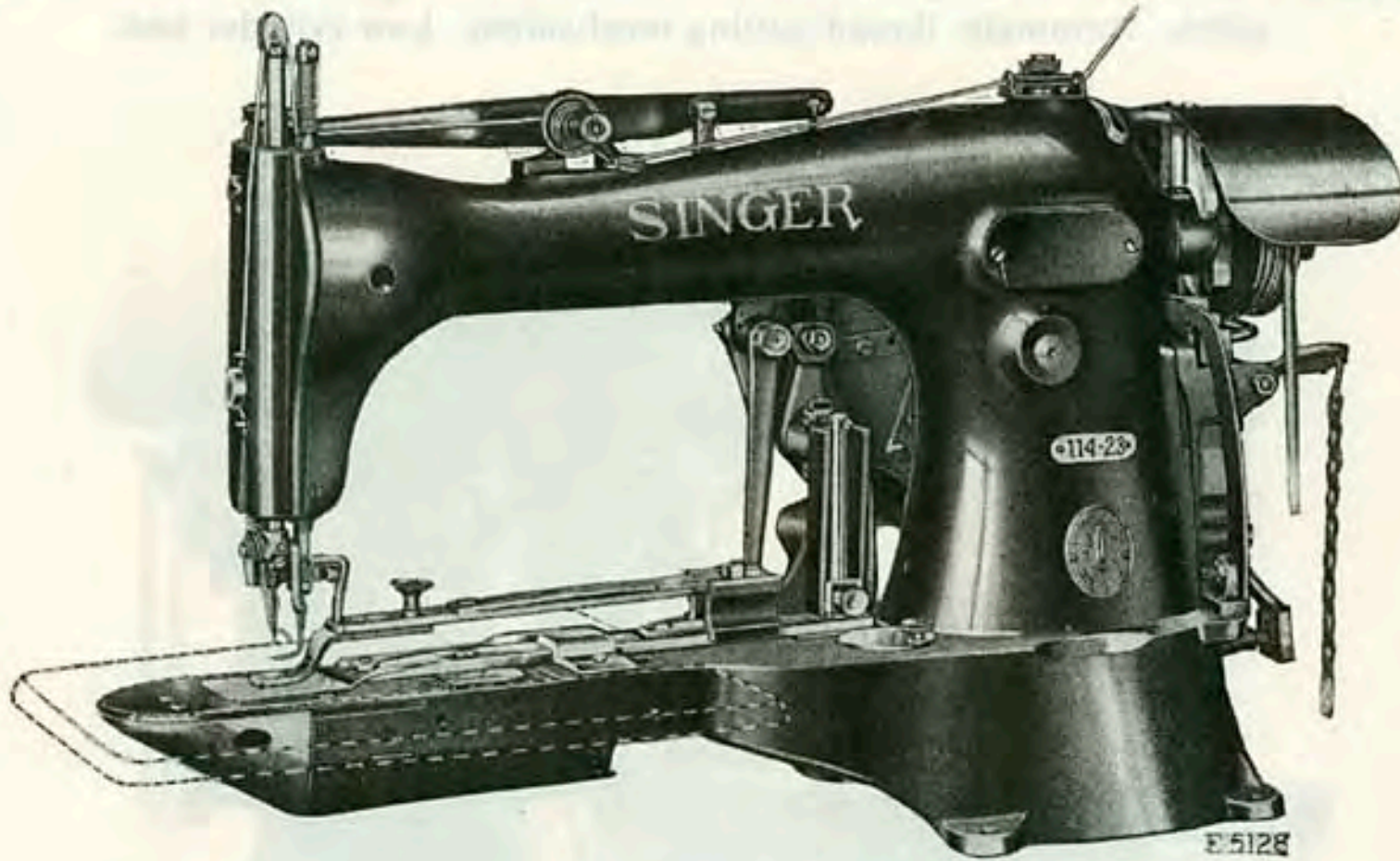
NO.	DESCRIPTION	PRICE
114-21	<p>FOR TACKING BANDS AND BOWS ON FELT OR STRAW HATS. Makes six stitches, including the fastening stitch. Has double presser foot, hinged so that either side can be thrown out for convenience in tacking the bows; fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Pulley No. 17942. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . . Speed 600. Cipher, ERYAZ. See Form 9534. Weight in lbs., 67 net, 96 gross. Cubic meas., 3 ft. 4 in.</p>	

Insert for Form 8800 in place of leaf now showing 114-5, 114-6, etc., Machines. (January, 1926).

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MACHINES OF CLASS 114

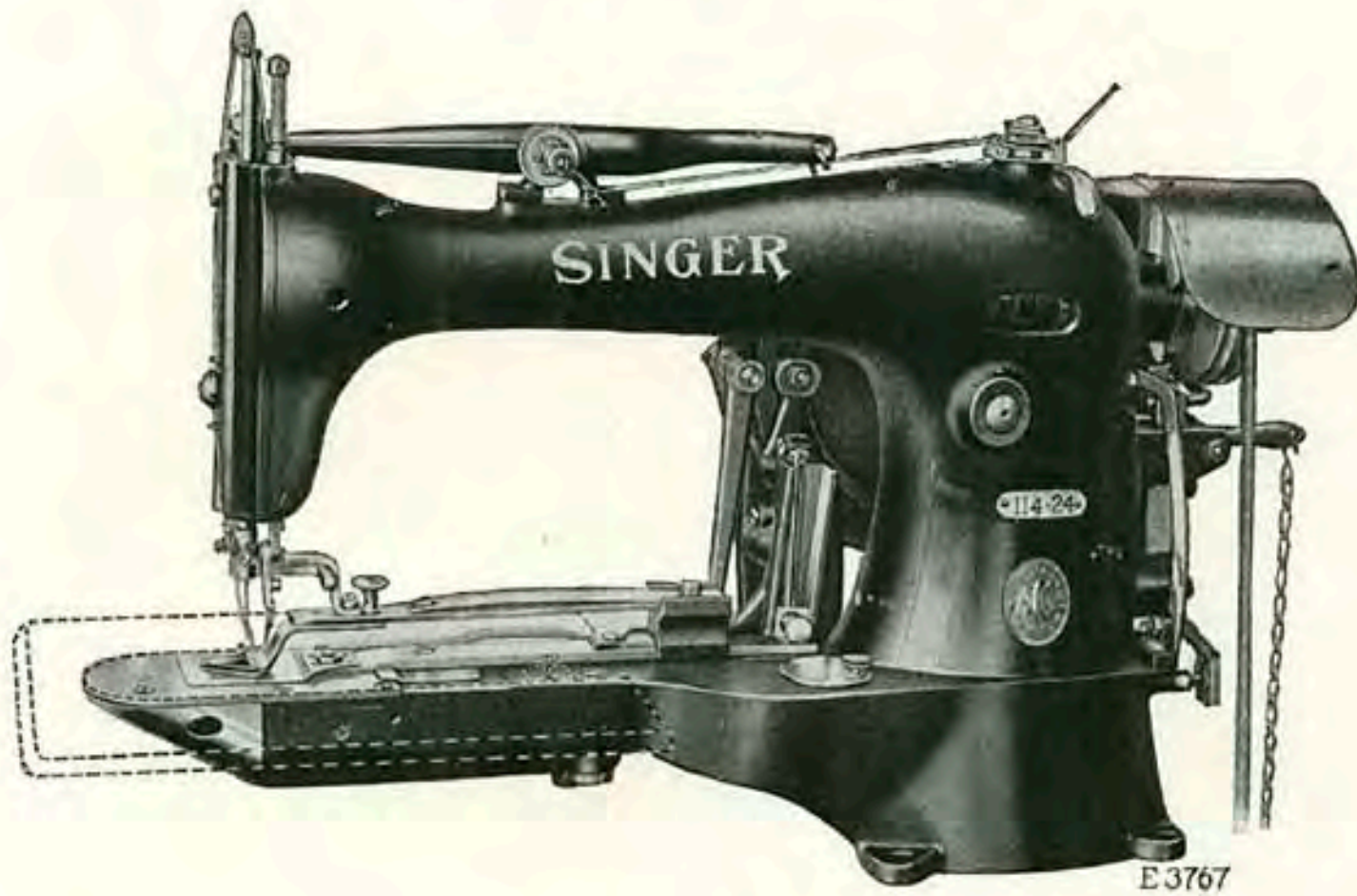


MACHINE No. 114-23

NO.	DESCRIPTION	PRICE
114-23	<p>FOR TACKING PAPER TICKETS ON CLOTHING. Makes six cross stitches, including the fastening stitch. The work holding clamp vibrates up the arm instead of across. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . .                      Speed 1100. Cipher, ERYAV. See Form 9546.                      Weight in lbs., 66 net, 95 gross. Cubic meas., 3 ft. 4 in.</p>	
114-24	<p>FOR TACKING PAPER TICKETS ON CLOTHING to distinguish lot, color, size, etc., while in the process of manufacture. Makes a triangular shape tack, consisting of thirteen stitches, <math>\frac{5}{8}</math> inch across the base and <math>\frac{3}{8}</math> inch from the apex to the base. Fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made; also an improved thread cutter that leaves a long end to unravel the thread in detaching the ticket. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . .                      Speed 1000. Cipher, ERYAU. See Form 9584.                      Weight in lbs., 63 net, 93 gross. Cubic meas., 3 ft. 4 in.</p>	



MACHINES OF CLASS 114

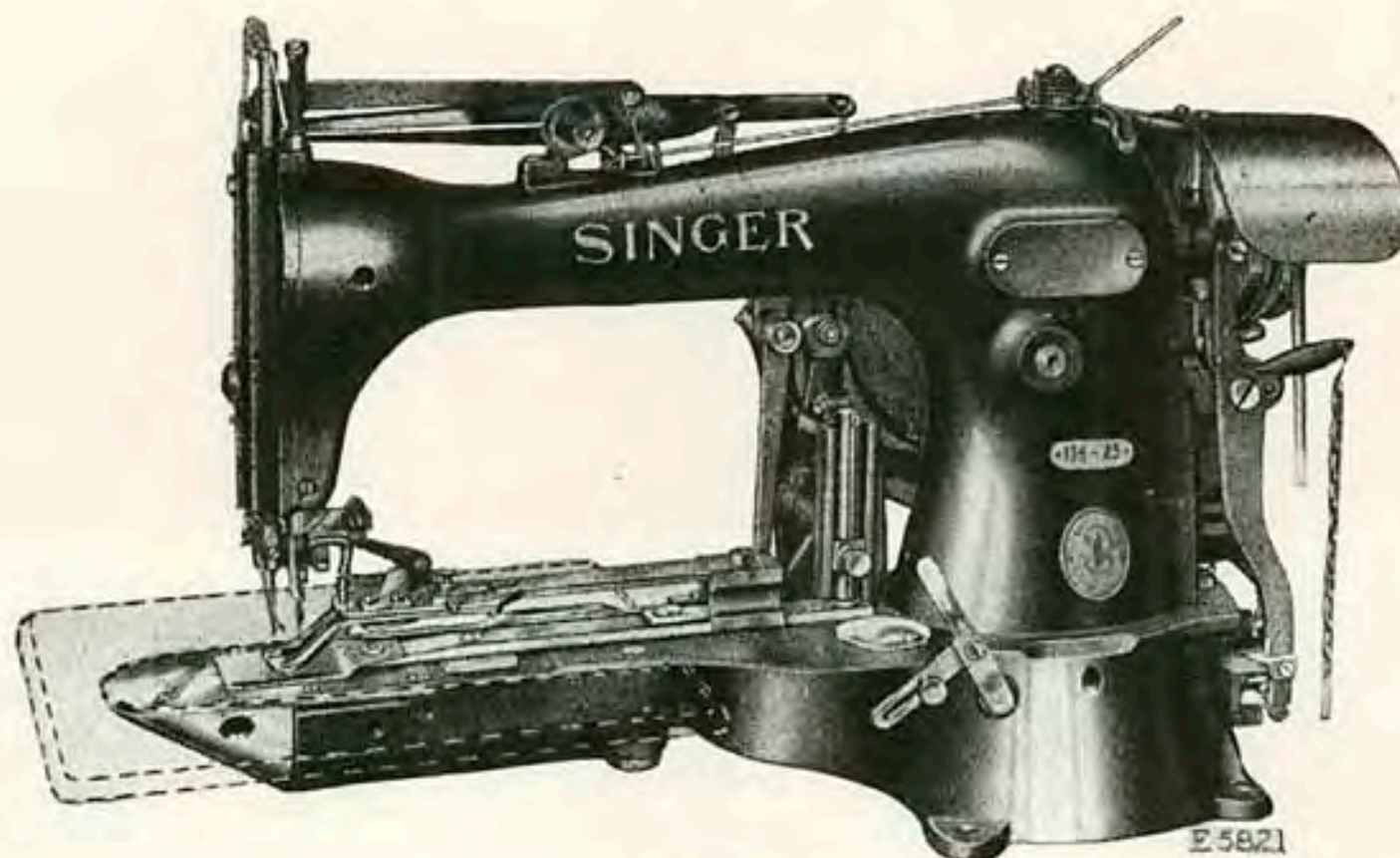


MACHINE No. 114-24

NO.	DESCRIPTION	PRICE
114-24	<p>No. Cancelled. Superseded by No. 114-27 Machine.  <small>101, color, size, etc., while in the process of manufacture.</small> Makes a triangular shape tack, consisting of thirteen stitches, <math>\frac{5}{8}</math> inch across the base and <math>\frac{3}{8}</math> inch from the apex to the base. Fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made; also an improved thread cutter that leaves a long end to unravel the thread in detaching the ticket. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . .                      Speed 1000. Cipher, ERYAU. See Form 9584.                      Weight in lbs., 63 net, 93 gross. Cubic meas., 3 ft. 4 in.</p>	



MACHINES OF CLASS 114



MACHINE No. 114-25

NO.	DESCRIPTION	PRICE
114-25	<p>FOR SEWING TWO OR FOUR HOLE BUTTONS ON SHIRTS, WAISTS, UNDERWEAR AND CLOTHING. Buttons from 10 to 50 lines. Makes two parallel bars (across the arm) in four hole buttons. Makes fourteen stitches, including the cross and tying stitches. Fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Improved loop controlling mechanism, stop motion and mechanism to break, instead of cutting the thread at the completion of the operation. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . .                      Speed 1500. Cipher, ERYAS. See Form 9686.                      Weight in lbs., 65 net, 95 gross. Cubic meas., 3 ft. 4 in.</p>	
114-26	<p>No. cancelled. Superseded by No. 114-34 Machine.</p> <p>UNDERWEAR AND CLOTHING. Buttons from 10 to 50 lines. Makes two parallel bars (across the arm) in four hole buttons. Makes twenty-one stitches, including the tying stitches. Fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Improved loop controlling mechanism, stop motion and mechanism to break, instead of cutting the thread at the completion of the operation. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . .                      Speed 1500. Cipher, ERYAR. See Form 9686.                      Weight in lbs., 65 net, 93 gross. Cubic meas., 3 ft. 4 in.</p>	

Insert for Form 8800 in place of leaf now showing 114-21 and 114-23 Machines. (January, 1926).



**114-27 FOR TACKING PAPER TICKETS ON CLOTHING** to distinguish lot, color, size, etc., while in the process of manufacture. Makes a triangular shaped tack, consisting of thirteen stitches,  $\frac{5}{8}$  inch across the base and  $\frac{3}{8}$  inch from the apex to the base; the base of the triangle is toward the operator. Fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Improved loop controlling mechanism, stop motion and thread cutter that leaves a long end to unravel the thread in detaching the ticket. Pulley No. 17942. Diameter of belt groove  $2\frac{1}{8}$  inches.....  
Speed 1500. Cipher, ERYAQ. See Form 9722.  
Weight in lbs., 68 net, 96 gross. Cubic meas., 3 ft. 4 in.  
Formerly 114 S. V. 24 Machine.  
Supersedes 114-24 Machine. (March, 1926).

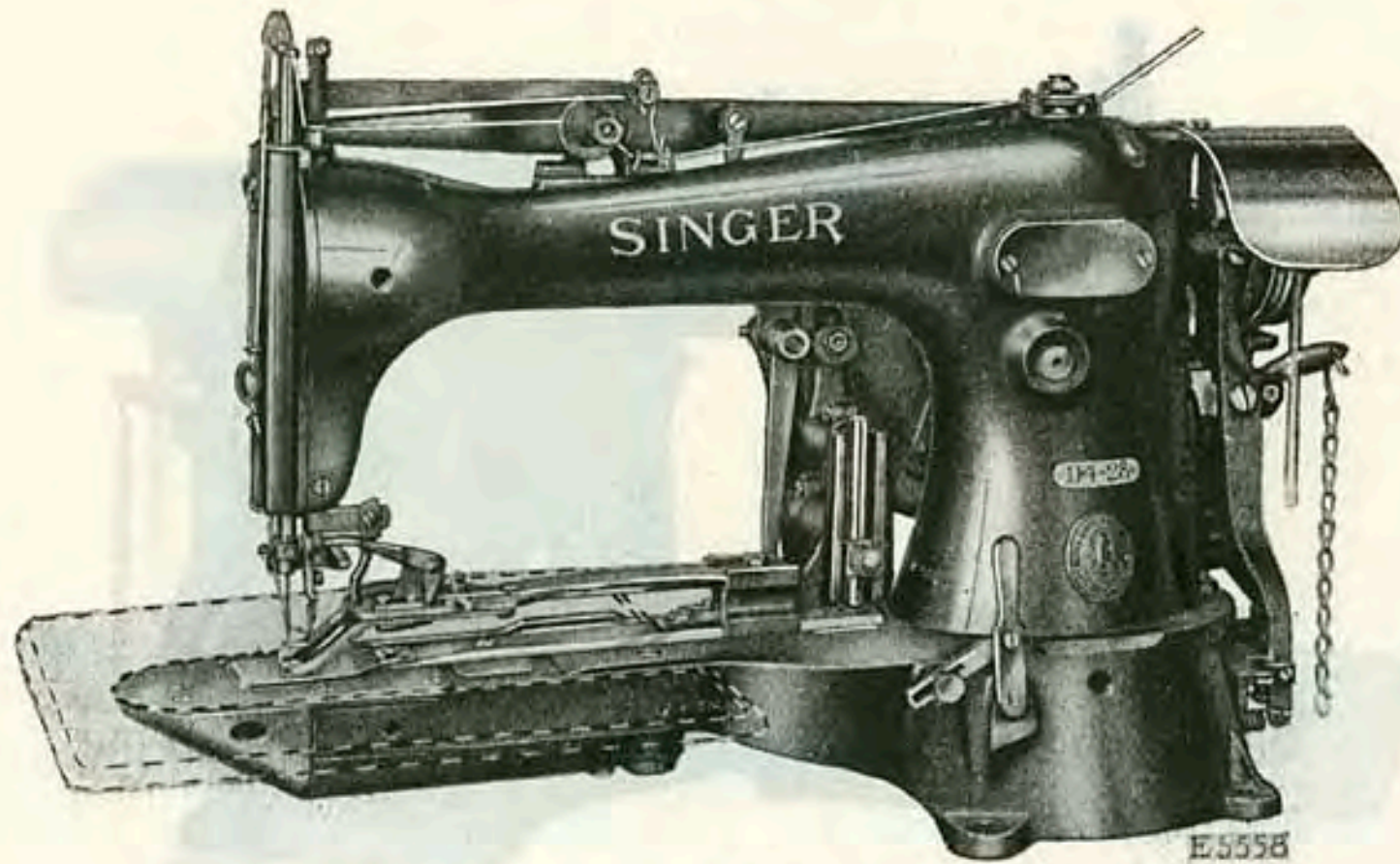


114-27 For tacking two or four hole tickets on shirts, waists, trousers and overalls. Makes a triangular shaped tack consisting of thirteen stitches,  $\frac{5}{8}$  inch across the base and  $\frac{3}{8}$  inch from the apex to the base; the base of the triangle is toward the operator. Fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Improved loop controlling mechanism, stop motion and thread cutter that leaves a long end to unravel the thread in detaching the ticket. Pulley No. 17942. Diameter of belt groove  $2\frac{1}{8}$  inches.....  
Speed 1500. Cipher, ERYAQ. See Form 9722.  
Weight in lbs., 68 net, 96 gross. Cubic meas., 3 ft. 4 in.

114-28 For tacking two or four hole tickets on shirts, waists, trousers and overalls. Makes a triangular shaped tack consisting of thirteen stitches,  $\frac{5}{8}$  inch across the base and  $\frac{3}{8}$  inch from the apex to the base; the base of the triangle is toward the operator. Fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Improved loop controlling mechanism, stop motion and thread cutter that leaves a long end to unravel the thread in detaching the ticket. Pulley No. 17942. Diameter of belt groove  $2\frac{1}{8}$  inches.....  
Speed 1500. Cipher, ERYAQ. See Form 9722.  
Weight in lbs., 68 net, 96 gross. Cubic meas., 3 ft. 4 in.



MACHINES OF CLASS 114



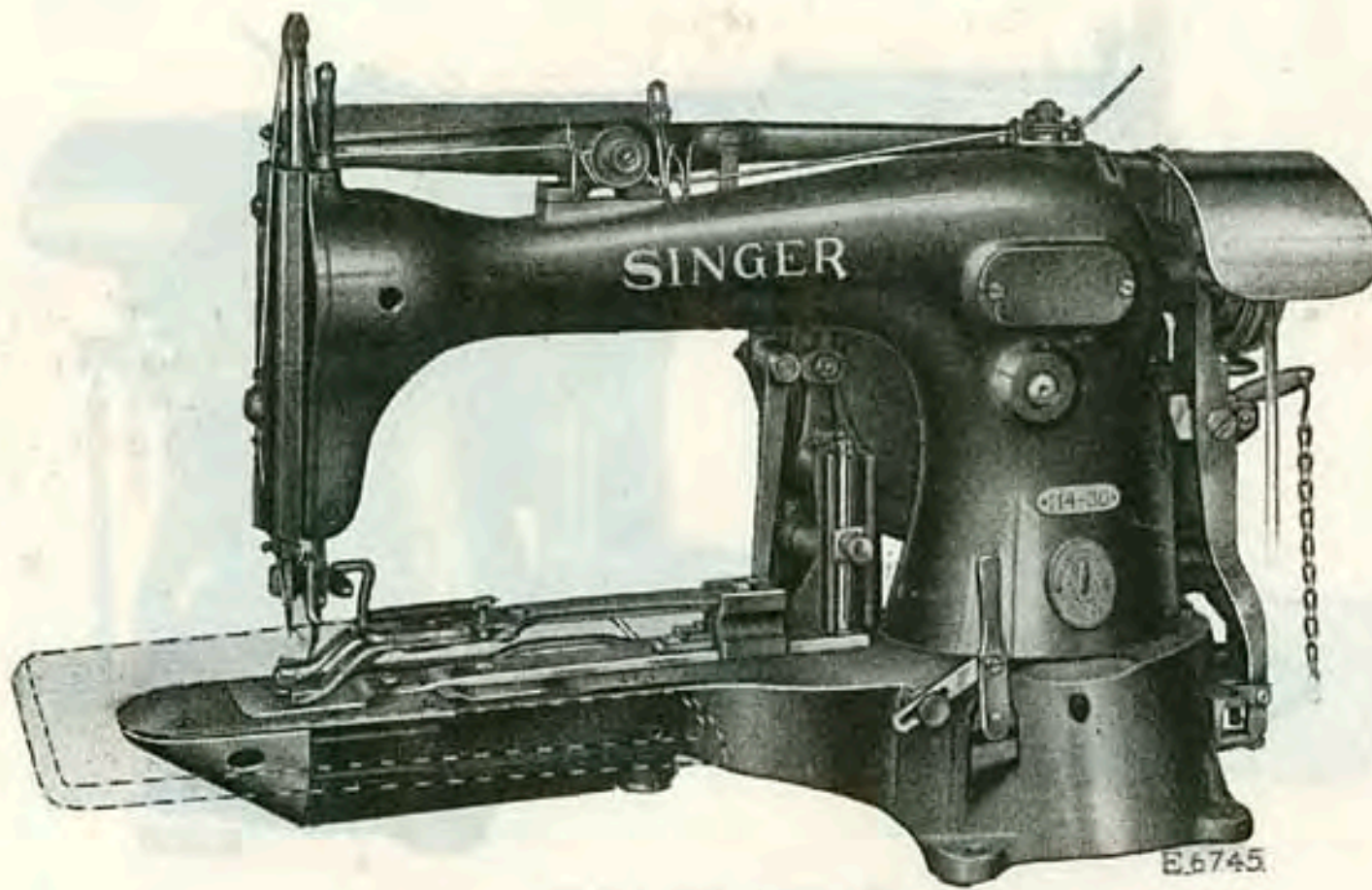
MACHINE No. 114-28

NO.	DESCRIPTION	PRICE
114-28	<p>FOR SEWING TWO OR FOUR HOLE BUTTONS ON SHIRTS, WAISTS AND UNDERWEAR. Makes cross stitches in four hole buttons and can be adjusted for two hole and bar buttons. Makes fourteen stitches, including the fastening stitch. Fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Improved loop controlling mechanism, stop motion and mechanism to break, instead of cutting the thread at the completion of the operation. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches..... Speed 1500. Cipher, ERYAP. See Form 9738. Weight in lbs., 68 net, 97 gross. Cubic meas., 3 ft. 4 in.</p>	
114-29	<p>FOR SEWING TWO OR FOUR HOLE BUTTONS ON CLOTHING, WAISTS, ETC. Makes cross stitches in four hole buttons and can be adjusted for two hole and bar buttons. Makes twenty-one stitches, including the fastening stitch. Fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Improved loop controlling mechanism, stop motion and mechanism to break, instead of cutting the thread at the completion of the operation. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches..... Speed 1500. Cipher, ERYAO. See Form 9738. Weight in lbs., 68 net, 97 gross. Cubic meas., 3 ft. 4 in.</p>	

Insert for Form 8800 in place of leaf now showing 114-28 and 114-29 Machines. (May, 1926).



MACHINES OF CLASS 114



MACHINE No. 114-30

NO.	DESCRIPTION	PRICE
114-30	<p>FOR SEWING LARGE BUTTONS ON COATS, CLOAKS AND OVERCOATS. Makes two parallel bars in four hole buttons and can be adjusted for two hole buttons. Makes twenty-one stitches, including the fastening stitch. The machine has an extra high needle lift that will handle work half of an inch thick (including the button and material); needle throw from <math>\frac{1}{8}</math> to <math>\frac{3}{32}</math> of an inch. The Universal button clamp will accommodate buttons from 22 to 50 lignes. The machine is fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Improved loop controlling mechanism, stop motion and mechanism to break, instead of cutting the thread at the completion of the operation. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches . . . . . Speed 1500. Cipher, ERYAN. See Form 9739. Weight in lbs., 66 net, 98 gross. Cubic meas., 3 ft. 4 in. Supersedes 114 S. V. 18 Machine.</p>	
114-31	<p>FOR TACKING PAPER TICKETS ON CLOTHING AND THE CUFFS ON TROUSERS. Makes six cross stitches, including the fastening stitch. Fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Stop motion; thread cutting mechanism. Pulley No. 17942. Diameter of belt groove <math>2\frac{7}{8}</math> inches . . . . . Speed 1500. Cipher, ERYAM. See Form 9755. Weight in lbs., 63 net, 96 gross. Cubic meas., 3 ft. 4 in. Supersedes 114-23 Machine.</p>	

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NO.

DESCRIPTION

**114-34** FOR SEWING BUTTONS ON SHIRTS, WAISTS, UNDERWEAR AND CLOTHING. Makes two parallel bars in four hole buttons and can be adjusted for two hole buttons. Makes twenty-one stitches, including the cross stitch and fastening stitches. The work holding clamp vibrates **across** the cylinder. The machine has an extra high needle lift that will handle work  $\frac{7}{16}$  inch thick (including the button and material). The universal clamp furnished with the machine will accommodate buttons from 10 to 50 lignes, and the movement of the clamp can be adjusted from  $\frac{5}{64}$  to  $\frac{3}{16}$  inch. The machine is fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Improved loop controlling mechanism, stop motion and mechanism to cut the thread at the completion of the operation. Pulley No. 17942. Diameter of belt groove  $2\frac{7}{8}$  inches.....

Speed 1500. Cipher, ERYAJ.

Weight in lbs., 65 net, 93 gross. Cubic meas., 3 ft. 4 in.

Supersedes 114-26 Machine.



**114-35** FOR SEWING BUTTONS ON SHIRTS, WAISTS, UNDERWEAR AND CLOTHING. Makes two parallel bars in four hole buttons and can be adjusted for two hole buttons. Makes twenty-one stitches, including the cross stitch and fastening stitches. The work holding clamp vibrates **up** the cylinder. The machine has an extra high needle lift that will handle work  $\frac{7}{16}$  inch thick (including the button and the material). The universal clamp furnished with this machine will accommodate buttons from 10 to 50 lignes, and the movement of the clamp can be adjusted from  $\frac{5}{64}$  to  $\frac{3}{16}$  inch. The machine is fitted with improved thread controlling mechanism and thread nipping device to hold the end of the thread until the first stitch is made. Stop motion and mechanism to cut the thread at the completion of the operation. Pulley No. 17942. Diameter of belt groove  $2\frac{7}{8}$  inches.....  
Speed 1500. Cipher, ECPET.

Weight in lbs., 67 net, 97 gross. Cubic meas., 3 ft. 4 in.  
Formerly 114 S. V. 33 Machine.



# MACHINES OF CLASS 115

NO.	DESCRIPTION	PRICE
115-1	FOR FAMILY USE. Rotary hook No. 55651, H. O. .... Cipher, FAMRO. Weight in lbs., 24 net, 41 gross. Cubic meas., 1 ft. 6 in.	\$ — —
115-2	FOR FAMILY USE. Rotary hook No. 55651. H. O. Has hand attachment..... Cipher, FAMSU. Weight in lbs., 26 net, 43 gross. Cubic meas., 1 ft. 6 in.	— —
115-13	FOR FAMILY USE..... Cipher, FAMTA. <div style="text-align: center; margin-left: 100px;">Machine Head</div> Weight in lbs., 33 net, 54 gross. Cubic meas., 1 ft. 9 in. <div style="text-align: center; margin-left: 100px;">Portable Case No. 194</div> Weight in lbs., 8 net, 18 gross. Cubic meas., 1 ft. 8 in.	— —

NOTE. This is the 115-1 Machine with B. T. Motor and Singerlight. Orders for this machine must give the number of the motor required, so that the correct voltage and cycles can be furnished.



# MACHINES OF CLASS 116

Single needle, lock stitch. Central bobbin shuttle. Bobbin No. 2996. Foot lifter.



MACHINE NO. 116-2

NO.	DESCRIPTION	PRICE
116-2	<p>FOR STITCHING THE ENDS OF THE BINDING <math>\frac{3}{8}</math> TO <math>1\frac{1}{4}</math> INCHES WIDE, KNOWN AS "SNAPPING" ON THE BRIMS OF FELT HATS. Has work holding clamp automatically operated by a bell crank which receives its motion from a cam on the under side of the bed. Operating in connection with the bell crank is a segment graduated from <math>\frac{3}{8}</math> to <math>1\frac{1}{4}</math> inches which can be set to control the throw of the clamp for the different widths of binding. The clamp is fitted with a stationary work guide. Regularly fitted with an iron base. Shuttle No. 63535. Balance wheel No. 2138. Diameter of belt groove <math>2\frac{3}{4}</math> inches. . . . .                      Speed 800. Cipher, ESAEC. See Form 9691.                      Weight in lbs., 35 net, 65 gross. Cubic meas., 3 ft. 5 in.                      Supersedes No. 116-1 Machine.</p>	

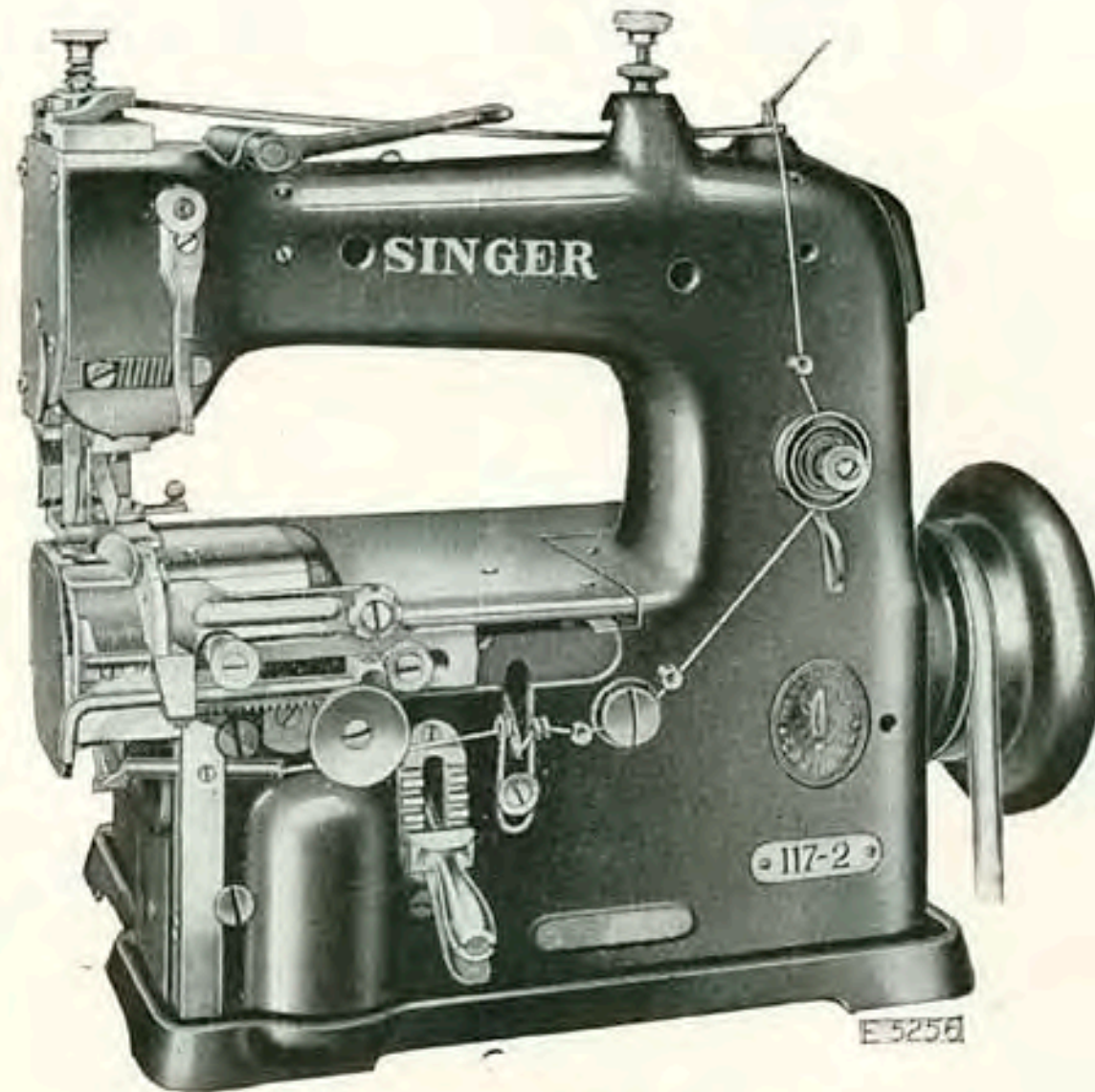
Insert for Form 8800 in place of leaf now showing Machine No. 116-1 (January, 1925).

PRINTED IN U. S. A.



# MACHINES OF CLASS 117

7 inches clear space at right of needle. Single thread imitation hand stitch.



MACHINE No. 117-2

NO.	DESCRIPTION	PRICE
117-2	<p>FOR STITCHING STRAW HATS WITH A CONCEALED STITCH. One needle, one hook eye needle, positive set for regulation of length of stitch. Length of stitch <math>\frac{3}{16}</math> to <math>\frac{5}{8}</math> inch. The machine is fitted with a hinged cover to throw back for the convenience of reaching the lower parts of the machine. Balance wheel No. 64510. Diameter of belt groove <math>2\frac{5}{8}</math> inches. . . . .</p> <p>Speed up to 2000, according to the length of the stitch.</p> <p>Cipher, ESAIC. See Form 9662.</p> <p>Weight in lbs., 53 net, 78 gross. Cubic meas., 2 ft. 8 in.</p>	



## MACHINES OF CLASS 119

Cylinder bed.  $10\frac{1}{8}$  inches clear space from needle to base of arm;  $\frac{5}{16}$  inch from needle to end of cylinder. Central bobbin.



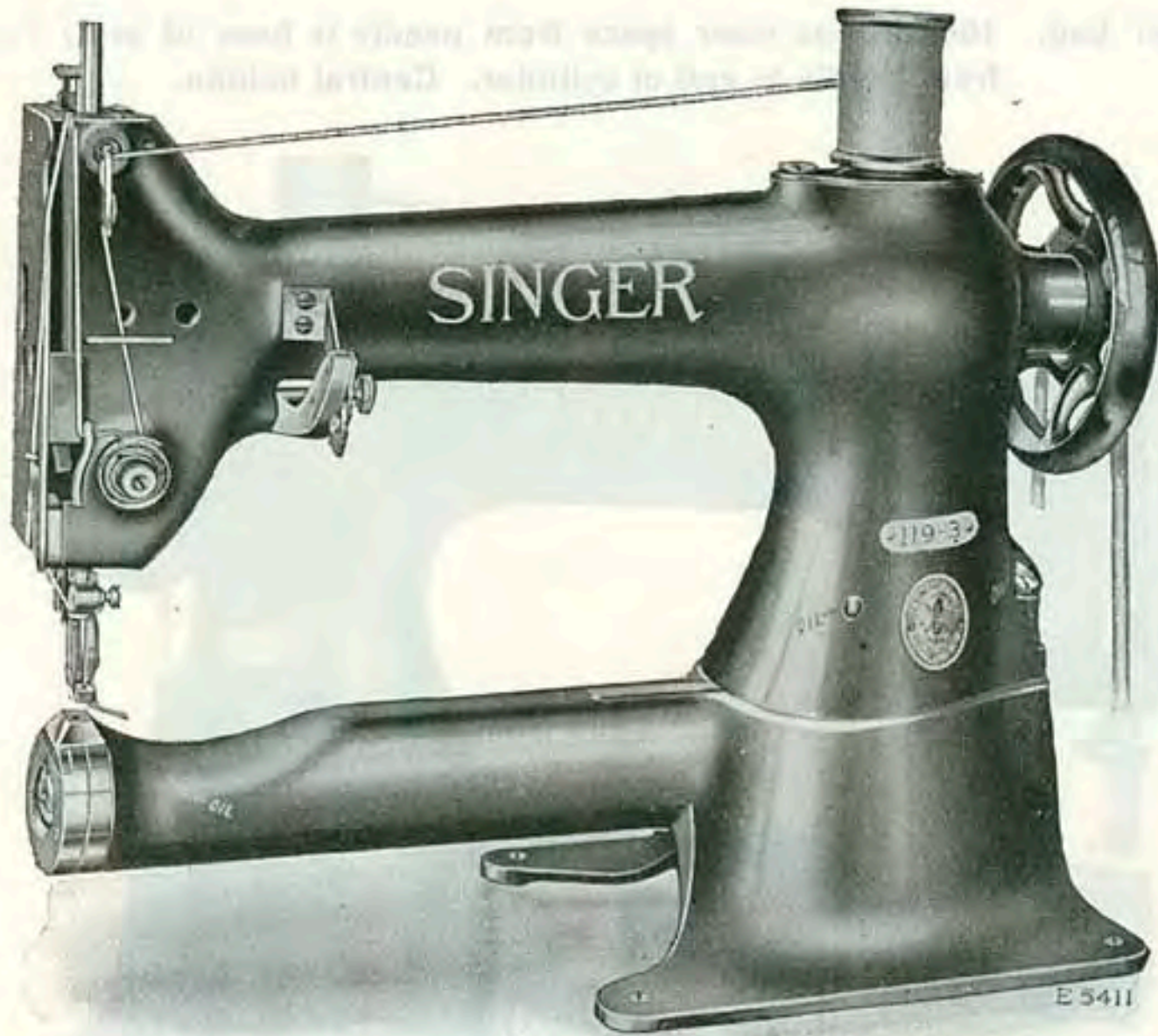
MACHINE No. 119-2

NO.	DESCRIPTION	PRICE
119-2	FOR GENERAL WORK ON BRIEF CASES AND OTHER LIGHT AND MEDIUM WEIGHT LEATHER AND FABRIC. Combined upper and needle feed, no under feed. Shuttle No. 37855; Bobbin No. 2996. Balance wheel No. 4370. Diameter of belt groove $2\frac{3}{4}$ inches. . . Speed 1600. Cipher, ESAMC. See Form 9659. Weight in lbs., 44 net, 68 gross. Cubic meas., 2 ft. 10 in.	

NOTE. This machine differs from the 78-1 Machine in having a cylinder instead of a flat bed.



MACHINES OF CLASS 119



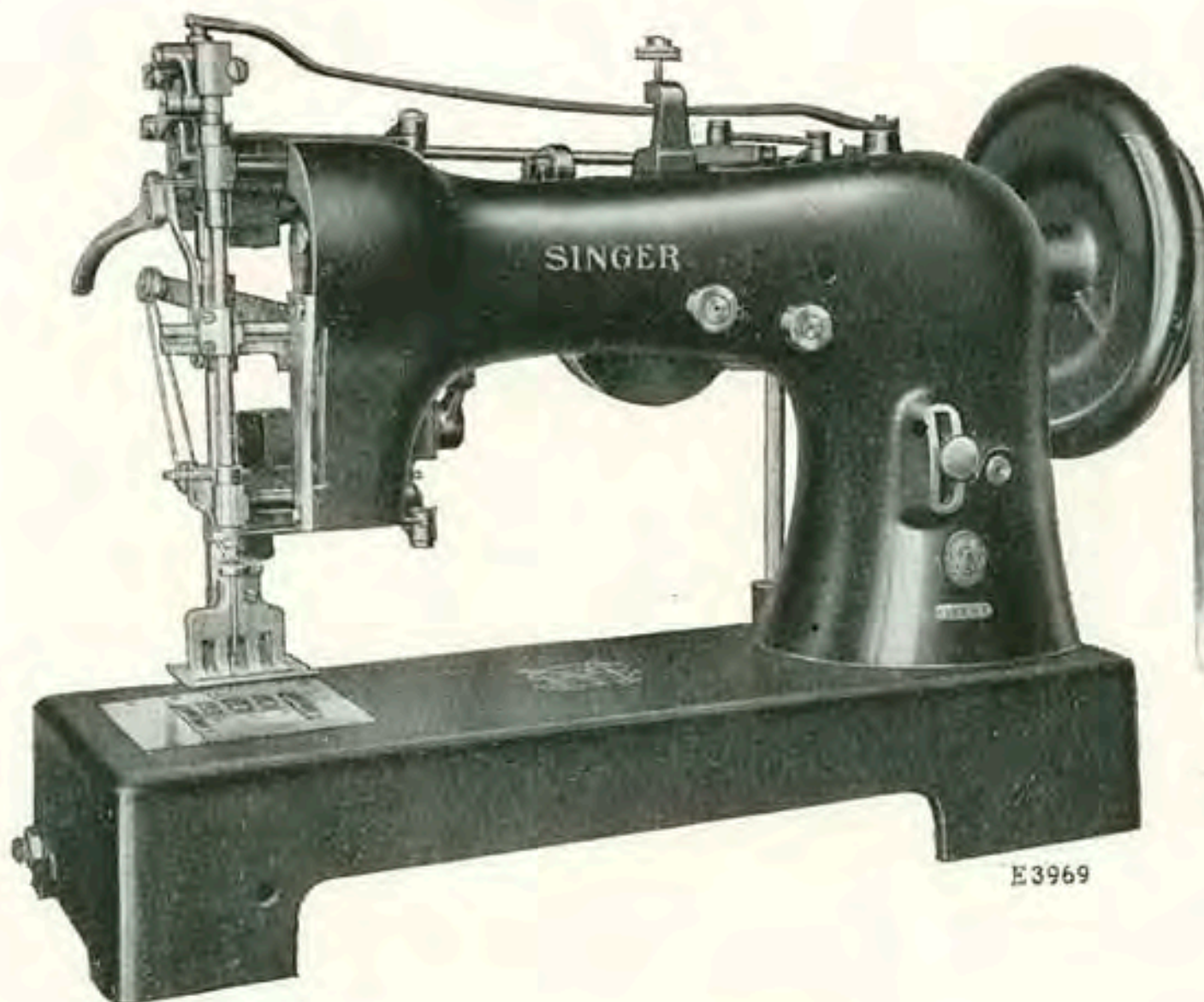
MACHINE No. 119-3

NO.	DESCRIPTION	PRICE
<b>119-3</b>	<p>FOR STITCHING STRAPS ON WOMEN'S SHOES, SOLES ON INFANTS' SHOES AND WORK OF A SIMILAR NATURE. Combined upper and needle feed; no under feed. The needle plate is raised and clearance is made on the top of the cylinder for convenience in handling the work. Shuttle No. 37855. Bobbin No. 2996. Balance wheel No. 4370. Diameter of belt groove <math>2\frac{3}{4}</math> inches. . . . .                      Speed 1600. Cipher, ESALC. See Form 9659.                      Weight in lbs., 44 net, 68 gross. Cubic meas., 2 ft. 10 in.</p>	



## MACHINES OF CLASS 122

Bed 30½ inches long; 16 inches clear space at the right of the centre of the needle bar.



MACHINE No. 122-1

NO.	DESCRIPTION	PRICE
122-1	<p>FOR JOINING PRESS CLOTHS MADE OF CAMEL'S HAIR FOR STRAINING COTTON SEED OIL. Needle and shuttle vibrates simultaneously. Throw of needle one inch each side of centre; makes a zigzag line of three stitches of 5/8 inch each. Has 4 inch cylinder shuttle No. 122835, upper and under feeds and alternating pressers. Lift of presser foot 3/4 inch. Balance wheel and pulley (tight) No. 122757. Diameter of pulley 8 inches.....                      Speed 300. Cipher, ESAPC. See Form 9590.                      Weight in lbs., 329 net, 399 gross. Cubic meas., 9 ft. 2 in.</p>	

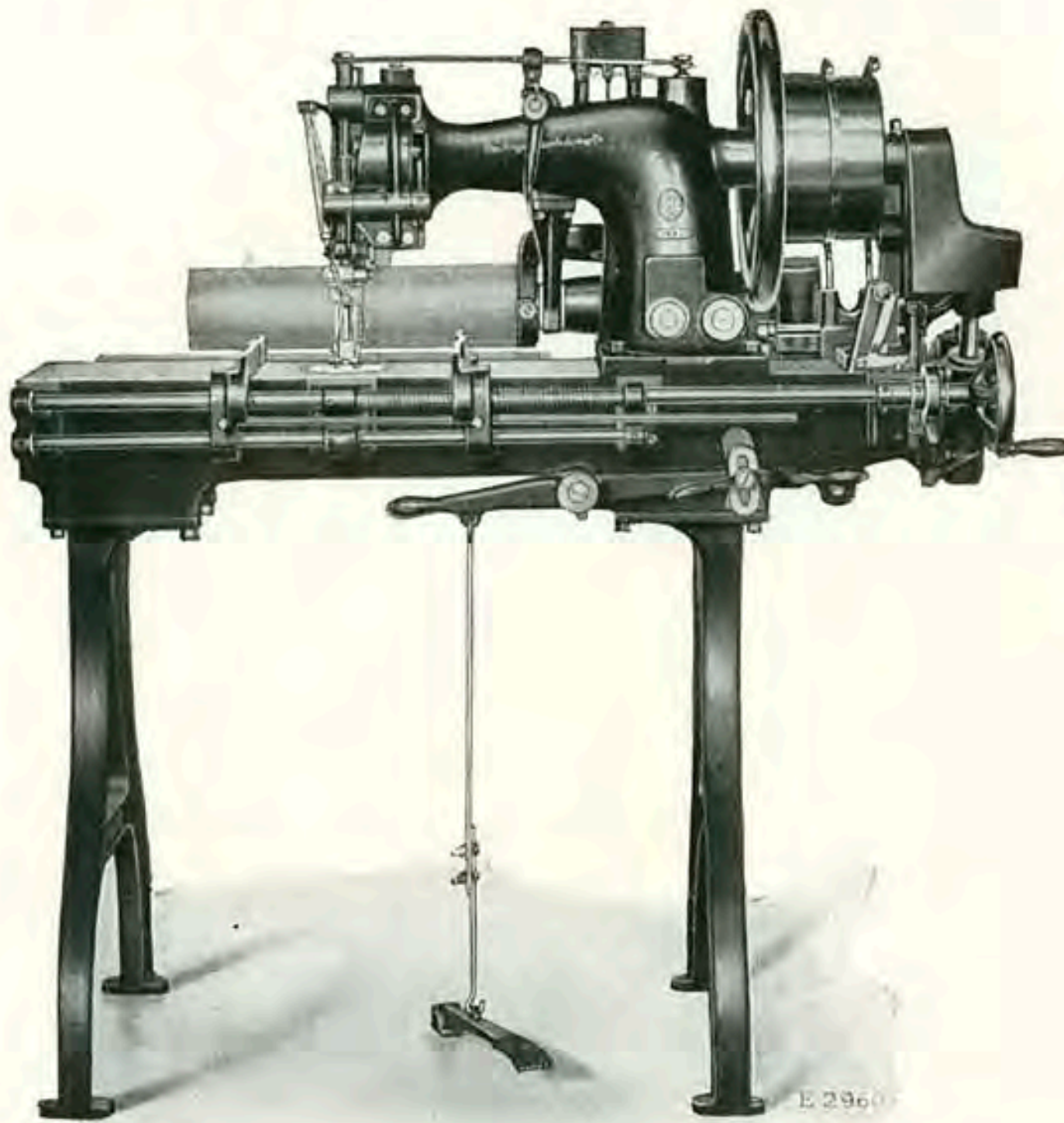
NOTE. The 122-1 Machine is regularly fitted to produce three stitches to each throw of the needle. If desired, extra cams, to produce either one or two stitches to the throw of the needle, can be furnished at an extra cost.

NOTE. Underdriver No. 60418 is recommended for use with the 122-1 Machine and is supplied only, when ordered, at an additional charge.



# MACHINES OF CLASS 123

Floor space occupied, 4 feet 6 inches x 1 foot 11 inches.



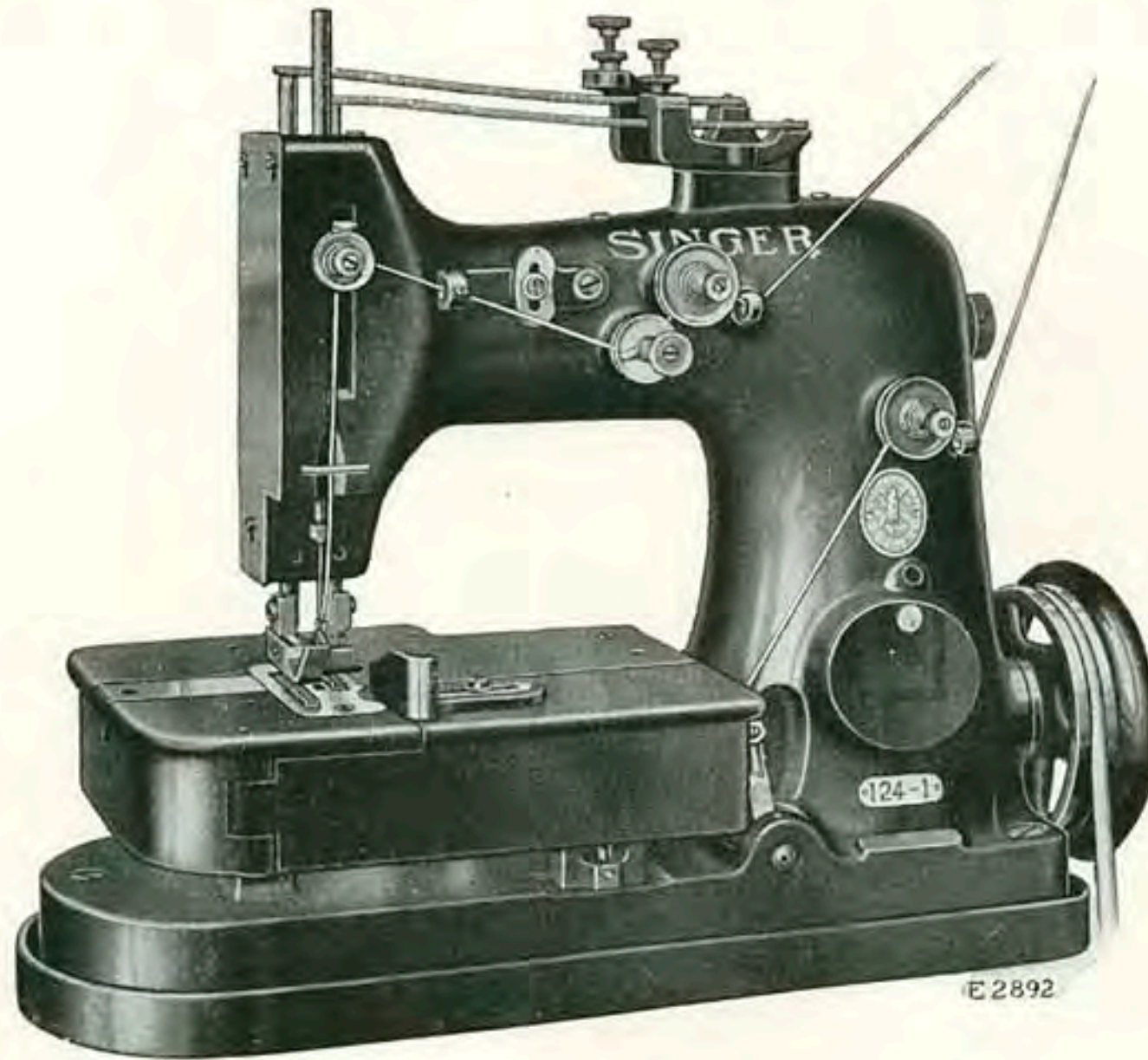
MACHINE NO. 123-1

NO.	DESCRIPTION	PRICE
123-1	<p>FOR SEWING CANVAS BELTING UP TO <math>\frac{5}{8}</math> INCH AND RUBBER BELTING UP TO <math>\frac{1}{2}</math> INCH THICK AND UP TO 12 INCHES WIDE. Two needles, two cylinder shuttles Nos. 123238 and 123241. Gauges from 1 to <math>1\frac{1}{2}</math> inches. Continuous feed actuated by worm and worm wheel, vibrating needle bar and presser bar, screw guide having locking device to assist the operator in making one full turn of the screw guide when changing from one line of stitching to the next. Feed rolls <math>4\frac{1}{2}</math> inches in diameter, the length of the upper feed roll is 19 inches and the lower feed roll 25 inches. Mechanism for raising the upper feed roll is fitted on the front of the machine and can be operated by either hand or foot. The feed rolls are open at the end for the entrance of endless belts and are positively driven. The machine is fitted with an oil cup on the top of the arm for oiling the shuttles and arm shaft wrist bearing, the oil being carried by oil tubes. In the operation of the machine, the balance wheel turns <b>from</b>, instead of <b>toward</b> the operator. Lift of presser foot <math>\frac{7}{8}</math> inch. Lift of upper feed roll <math>\frac{7}{8}</math> inch. . . . . Speed 500. Cipher, ESARC. See Form 9499. Weight in lbs., 834 net, 1150 gross. Cubic meas., 45 ft. 7 in.</p>	



# MACHINES OF CLASS 124

Bed 18 inches long; 7½ inches from the needle to base of arm. Single and two-thread. Chain stitch.



MACHINE No. 124-1

NO.	DESCRIPTION	PRICE
124-1	<p>FOR SEWING HEAVY BAGS. One needle, one looper, for single thread chain stitch; also looper for two-thread chain stitch. The same throat plate is used for either single or two-thread chain stitch. Two independent presser bars and hinged presser feet. Length of stitch, ⅜ to ¾ inch. Lift of presser foot ⅝ inch, needle stroke 2¼ inches. Balance wheel No. 122007. Diameter of belt groove 4⅜ inches.....</p> <p>Speed 1800. Cipher, ESATC. See Form 9482.</p> <p>Weight in lbs., 100 net, 138 gross. Cubic meas., 4 ft. 3 in.</p>	



# MACHINES OF CLASS 125

10 inches long, 5 inches clear space at right of needle. Single thread chain stitch.  
Rotating hook.



MACHINE No. 125-2

NO.	DESCRIPTION	PRICE
125-2	FOR STITCHING TWO OR FOUR HOLE BUTTONS, from 14 to 24 line, on shirts, underwear, barbers' and waiters' coats, etc. For hand operation only. The number of stitches in each button is controlled by the operator. Automatic tension. Thread controller. Base No. 34207. Cloth plate $3\frac{3}{4}$ inches wide; $\frac{1}{2}$ inch from the needle to edge of cloth plate next to the operator. Balance wheel No. 122555... Cipher ESAXC. See Form 9763. Weight in lbs., 20 net, 36 gross. Cubic meas., 1 ft. 6 in. Supersedes 125-1 machine.	

Insert for Form 8800 in place of leaf now showing 125-1 machine (November, 1926).

PRINTED IN U. S. A.



## MACHINES OF CLASS 127

NO.	DESCRIPTION	PRICE
127-3	FOR FAMILY USE. Vibrating shuttle No. 54505, with shuttle ejector..... Cipher, FAPOR. Weight in lbs., 25 net, 42 gross. Cubic meas., 1 ft. 6 in.	\$ — —
127-4	FOR FAMILY USE. Vibrating shuttle No. 54505, with shuttle ejector. Has hand attachment..... Cipher, FAREK. Weight in lbs., 27 net, 44 gross. Cubic meas., 1 ft. 6 in.	— —
127-13	FOR FAMILY USE..... Cipher, FARJE. <div style="text-align: center; margin-left: 100px;">Machine Head</div> Weight in lbs., 34 net, 55 gross. Cubic meas., 1 ft. 9 in. <div style="text-align: center; margin-left: 100px;">Portable Case No. 194</div> Weight in lbs., 8 net, 18 gross. Cubic meas., 1 ft. 8 in.	— —

NOTE. This is the 127-3 Machine with B. T. Motor and Singerlight. Orders for this machine must give the number of the motor required, so that the correct voltage and cycles can be furnished.



MACHINES OF CLASS 127

127-3 For Patent Case - Footing about No. 1280, with stand  
 Weight in lbs. 25 net, 32 gross. Cabinet made of iron  
 127-4 For Patent Case - Footing about No. 1280, with stand  
 Weight in lbs. 27 net, 34 gross. Cabinet made of iron  
 127-12 For Patent Case  
 Cabinet made of iron

Hand Sewing machine Leggett  
 Sewmiles use -  
 Singer Sewing Machine Co  
 Hand type about 1917  
 model 128-4-198W  
 Beautiful Head (Base)  
 clothes made by Sewmiles on these  
 machines



## MACHINES OF CLASS 128

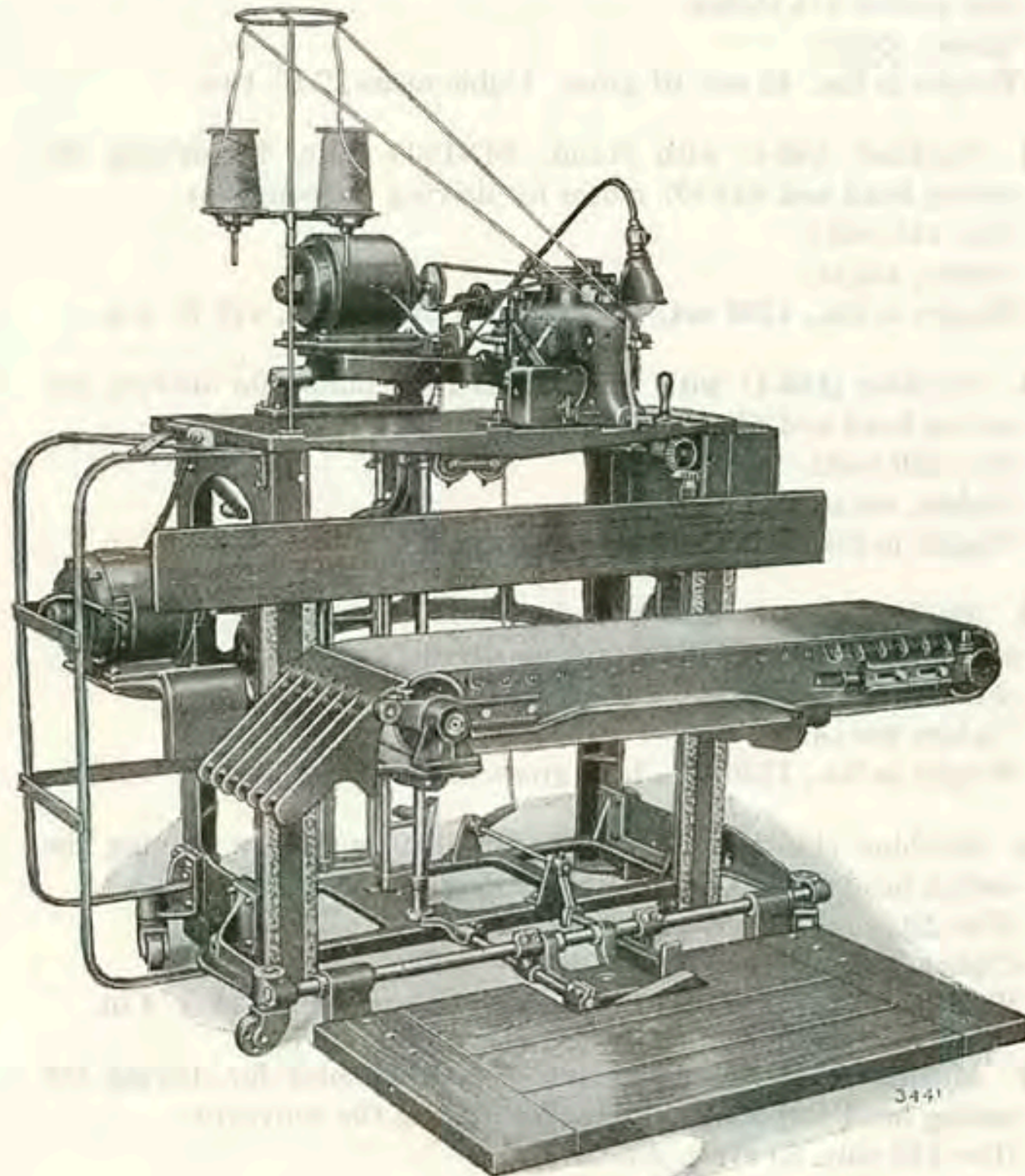
NO.	DESCRIPTION	PRICE
128-3	FOR FAMILY USE. Vibrating shuttle No. 54505, with shuttle ejector..... Cipher, FAMWE. Weight in lbs., 21 net, 34 gross. Cubic meas., 1 ft. 1 in.	\$ — —
128-4	FOR FAMILY USE. Vibrating shuttle No. 54505, with shuttle ejector. Has hand attachment..... Cipher, FAMYS. Weight in lbs., 23 net, 36 gross. Cubic meas., 1 ft. 1 in.	— —
128-13	FOR FAMILY USE..... Cipher, FASES. <div style="text-align: center; margin-left: 100px;">Machine Head</div> Weight in lbs., 28 net, 45 gross. Cubic meas., 1 ft. 8 in. <div style="text-align: center; margin-left: 100px;">Portable Case No. 198</div> Weight in lbs., 7 net, 16 gross. Cubic meas., 1 ft. 6 in.	— —

NOTE. This is the 128-3 Machine with B. T. Motor and Singerlight. Orders for this machine must give the number of the motor required, so that the correct voltage and cycles can be furnished.



## MACHINES OF CLASS 146

For closing light and medium bags after they are filled. Two-thread chain stitch.  
Lift of presser foot  $\frac{5}{16}$  inch; needle stroke  $1\frac{3}{8}$  inches.



MACHINE No. 146-4

The Machines of Class 146- are for closing bags after they are filled. The complete outfit is comprised of sewing machine head, stand complete with 12 inch conveyor (adjustable) and electric lighting system.

Bags measuring from 8 to 34 inches from the bottom of the bag to the line of stitching are successfully handled on the machine, the conveyor being raised or lowered by turning two handles at the back of the machine to accommodate the various sizes of bags. As the conveyor belt is 12 inches wide, bags up to 16 inches in thickness can be sewn.

The conveyor is capable of carrying three 100 pound bags at the same time or the equivalent weight in as many bags as there is room for on the conveyor belt. Bags weighing as much as 250 pounds can also be carried singly on the conveyor belt.

The sewing machine head and conveyor are driven by separate motors. The S. D. motors are totally enclosed and the S. A. motors are semi-enclosed. The sewing machine is driven by belt from the motor and the conveyor motor is direct connected to the conveyor driving mechanism.

The sewing machine head and conveyor are controlled by separate treadles. Hand controlled mechanism for reversing the direction of the movement of the conveyor belt.

See Form 9558.

Insert for Form 8800 in place of leaf now showing corresponding machines. (October, 1925).



## MACHINES OF CLASS 146

NO.	DESCRIPTION	PRICE
146-1	Machine Head only. Balance wheel No. 124001. Diameter of belt groove $2\frac{7}{8}$ inches. Cipher, ESCAD. Weight in lbs., 43 net, 61 gross. Cubic meas., 2 ft. 1 in.	
146-3	Machine (146-1) with Stand. SD-1600 motor for driving the sewing head and SD-107 motor for driving the conveyor. (For 115 volt). Cipher, ESCAF. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-4	Machine (146-1) with Stand. SD-1601 motor for driving the sewing head and SD-108 motor for driving the conveyor. (For 230 volt). Cipher, ESCAG. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-5	Machine (146-1) with Stand. SA-1628 motor for driving the sewing head and SA-303 motor for driving the conveyor. (For 110 volt, 60 cycle, 1 phase). Cipher, ESCAH. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-6	Machine (146-1) with Stand. SA-1629 motor for driving the sewing head and SA-304 motor for driving the conveyor. (For 220 volt, 60 cycle, 1 phase). Cipher, ESCAL. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-7	Machine (146-1) with Stand. SA-1630 motor for driving the sewing head and SA-305 motor for driving the conveyor. (For 110 volt, 60 cycle, 2 phase). Cipher, ESCAJ. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-8	Machine (146-1) with Stand. SA-1631 motor for driving the sewing head and SA-306 motor for driving the conveyor. (For 220 volt, 60 cycle, 2 phase). Cipher, ESCAK. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-9	Machine (146-1) with Stand. SA-1632 motor for driving the sewing head and SA-307 motor for driving the conveyor. (For 110 volt, 60 cycle, 3 phase). Cipher, ESCAL. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-10	Machine (146-1) with Stand. SA-1633 motor for driving the sewing head and SA-308 motor for driving the conveyor. (For 220 volt, 60 cycle, 3 phase). Cipher, ESCAM. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	



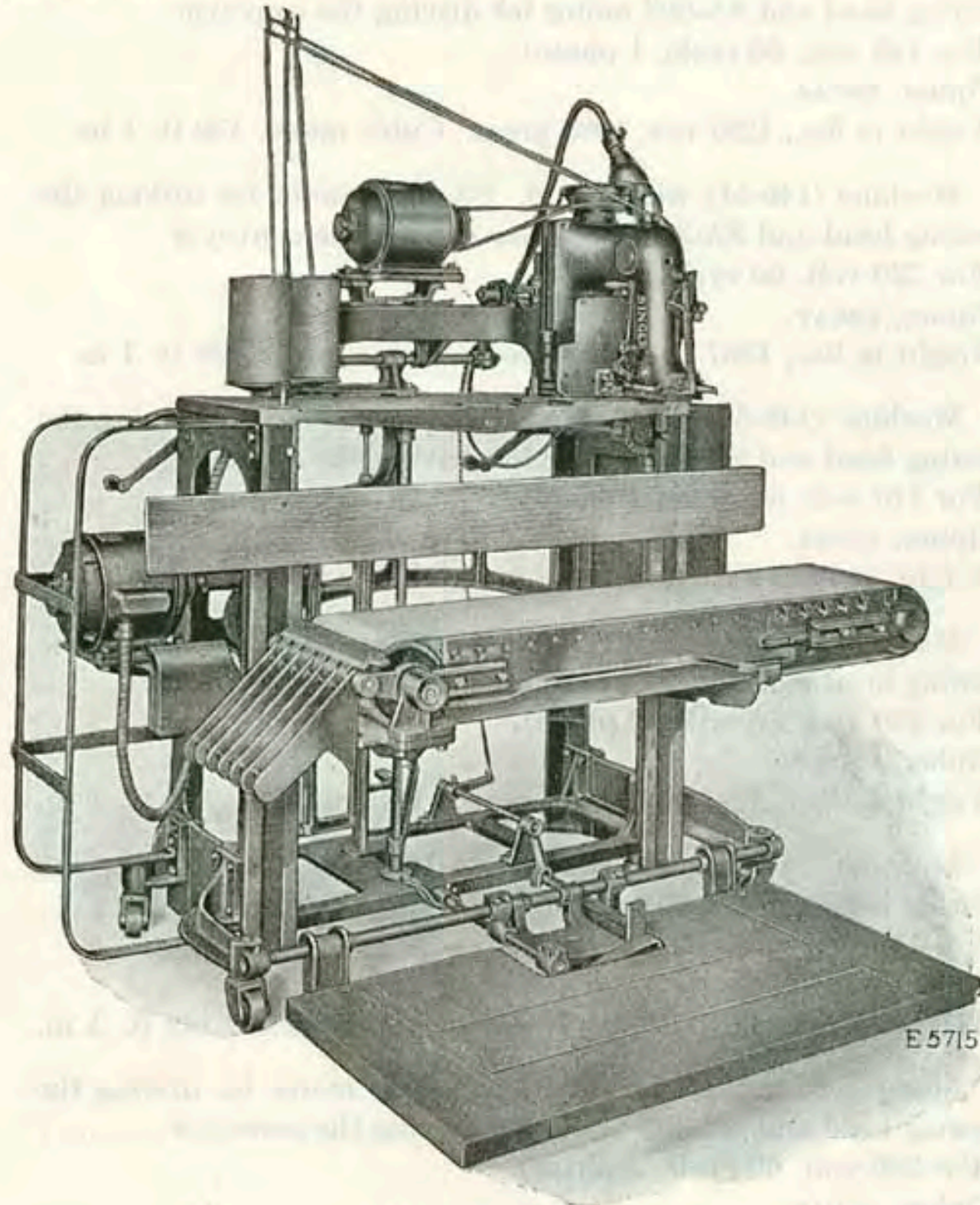
## MACHINES OF CLASS 146

NO.	DESCRIPTION	PRICE
146-11	Machine (146-1) with Stand. SA-1622 motor for driving the sewing head and SA-309 motor for driving the conveyor. . . . . (For 110 volt, 50 cycle, 1 phase). Cipher, ESDAJ. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-12	Machine (146-1) with Stand. SA-1623 motor for driving the sewing head and SA-310 motor for driving the conveyor. . . . . (For 220 volt, 50 cycle, 1 phase). Cipher, ESDAK. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-13	Machine (146-1) with Stand. SA-1624 motor for driving the sewing head and SA-311 motor for driving the conveyor. . . . . (For 110 volt, 50 cycle, 2 phase). Cipher, ESDAL. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-14	Machine (146-1) with Stand. SA-1625 motor for driving the sewing head and SA-312 motor for driving the conveyor. . . . . (For 220 volt, 50 cycle, 2 phase). Cipher, ESDAM. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-15	Machine (146-1) with Stand. SA-1626 motor for driving the sewing head and SA-313 motor for driving the conveyor. . . . . (For 110 volt, 50 cycle, 3 phase). Cipher, ESDAN. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	
146-16	Machine (146-1) with Stand. SA-1627 motor for driving the sewing head and SA-314 motor for driving the conveyor. . . . . (For 220 volt, 50 cycle, 3 phase). Cipher, ESDAO. Weight in lbs., 1230 net, 1873 gross. Cubic meas., 124 ft. 4 in.	



## MACHINES OF CLASS 146

For closing heavy bags after they are filled. Two independent presser bars and hinged presser feet. Lift of presser feet  $\frac{5}{8}$  inch; needle stroke  $2\frac{1}{4}$  inches.



E5715

MACHINE No. 146-53

NO.	DESCRIPTION	PRICE
146-51	Machine Head only. Balance wheel (special). Diameter of belt groove $4\frac{1}{2}$ inches. Cipher, ESCAN. Weight in lbs., 82 net, 116 gross. Cubic meas., 3 ft. 5 in.	
146-53	Machine (146-51) with Stand. SD-1600 motor for driving the sewing head and SD-107 motor for driving the conveyor. (For 115 volt). Cipher, ESCAP. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-54	Machine (146-51) with Stand. SD-1601 motor for driving the sewing head and SD-108 motor for driving the conveyor. (For 230 volt). Cipher, ESCAR. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	

Insert for Form 8800 in place of leaf now showing corresponding machines. (October, 1925).



## MACHINES OF CLASS 146

NO.	DESCRIPTION	PRICE
146-55	Machine (146-51) with Stand. SA-1628 motor for driving the sewing head and SA-303 motor for driving the conveyor..... (For 110 volt, 60 cycle, 1 phase). Cipher, ESCAS. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-56	Machine (146-51) with Stand. SA-1629 motor for driving the sewing head and SA-304 motor for driving the conveyor..... (For 220 volt, 60 cycle, 1 phase). Cipher, ESCAT. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-57	Machine (146-51) with Stand. SA-1630 motor for driving the sewing head and SA-305 motor for driving the conveyor..... (For 110 volt, 60 cycle, 2 phase). Cipher, ESCAU. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-58	Machine (146-51) with Stand. SA-1631 motor for driving the sewing head and SA-306 motor for driving the conveyor..... (For 220 volt, 60 cycle, 2 phase). Cipher, ESCAV. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-59	Machine (146-51) with Stand. SA-1632 motor for driving the sewing head and SA-307 motor for driving the conveyor..... (For 110 volt, 60 cycle, 3 phase). Cipher, ESCAW. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-60	Machine (146-51) with Stand. SA-1633 motor for driving the sewing head and SA-308 motor for driving the conveyor..... (For 220 volt, 60 cycle, 3 phase). Cipher, ESCAX. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-61	Machine (146-51) with Stand. SA-1622 motor for driving the sewing head and SA-309 motor for driving the conveyor..... (For 110 volt, 50 cycle, 1 phase). Cipher, ESCAY. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-62	Machine (146-51) with Stand. SA-1623 motor for driving the sewing head and SA-310 motor for driving the conveyor..... (For 220 volt, 50 cycle, 1 phase). Cipher, ESCAZ. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-63	Machine (146-51) with Stand. SA-1624 motor for driving the sewing head and SA-311 motor for driving the conveyor..... (For 110 volt, 50 cycle, 2 phase). Cipher, ESDAE. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	



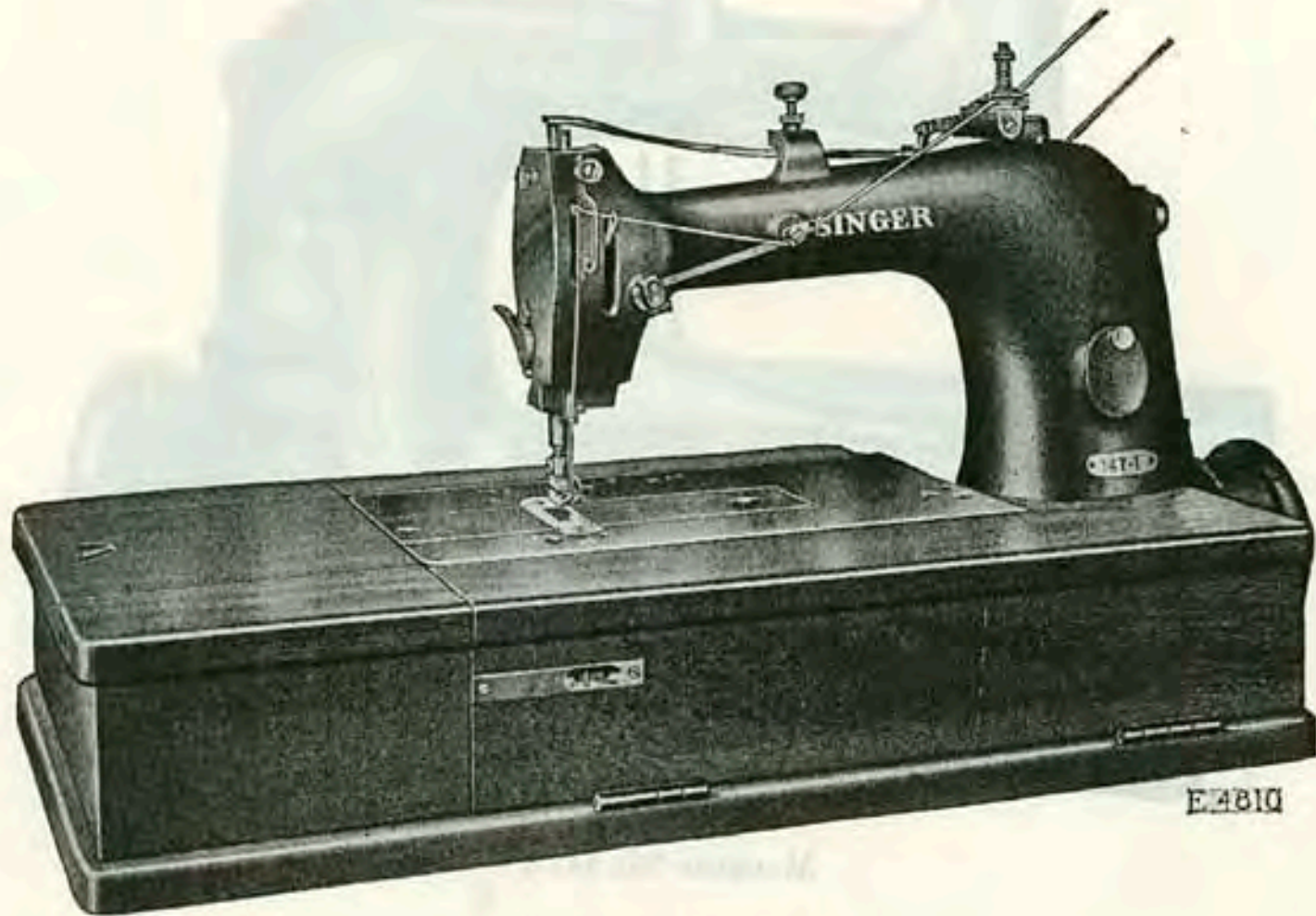
## MACHINES OF CLASS 146

NO.	DESCRIPTION	PRICE
146-64	Machine (146-51) with Stand. SA-1625 motor for driving the sewing head and SA-312 motor for driving the conveyer..... (For 220 volt, 50 cycle, 2 phase). Cipher, ESDAF. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-65	Machine (146-51) with Stand. SA-1626 motor for driving the sewing head and SA-313 motor for driving the conveyer..... (For 110 volt, 50 cycle, 3 phase). Cipher, ESDAG. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	
146-66	Machine (146-51) with Stand. SA-1627 motor for driving the sewing head and SA-314 motor for driving the conveyer..... (For 220 volt, 50 cycle, 3 phase). Cipher, ESDAH. Weight in lbs., 1287 net, 1983 gross. Cubic meas., 138 ft. 1 in.	



# MACHINES OF CLASS 147

Bed 16½ inches long; 8⅞ inches clear space at the right of the centre of the needle bar. Two-thread chain stitch. Foot lifter.



MACHINE No. 147-1

NO.	DESCRIPTION	PRICE
147-1	<p>FOR GENERAL WORK IN FABRICS, ALSO FOR CLOSING LININGS AND STITCHING THE TOP FACING ON SHOES. One needle, one looper, for two-thread chain stitch; foot lifter. Balance wheel No. 64259. Diameter of belt groove 2 inches.....                      Speed up to 3500, according to the material being stitched.                      Cipher, ESFAC. See Form 9650.                      Weight in lbs., 79 net, 130 gross. Cubic meas., 5 ft. 3 in.</p>	

NOTE. This machine is regularly furnished with belt guard, wooden bench-stand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.

147-2	<p>FOR CLOTH OR LEATHER, STITCHING GLOVES, CLOSING SHOES; ALSO FOR BINDING LIGHT AND MEDIUM FABRICS OR LEATHER. One needle, one looper, alternating presser. Independent upper and under feed. Balance wheel No. 64259. Diameter of belt groove 2 inches.....                      Speed up to 3000, according to the material being stitched.                      Cipher, ESFAD. See Form 9689.                      Weight in lbs., 84 net, 133 gross. Cubic meas., 5 ft. 3 in.</p>	
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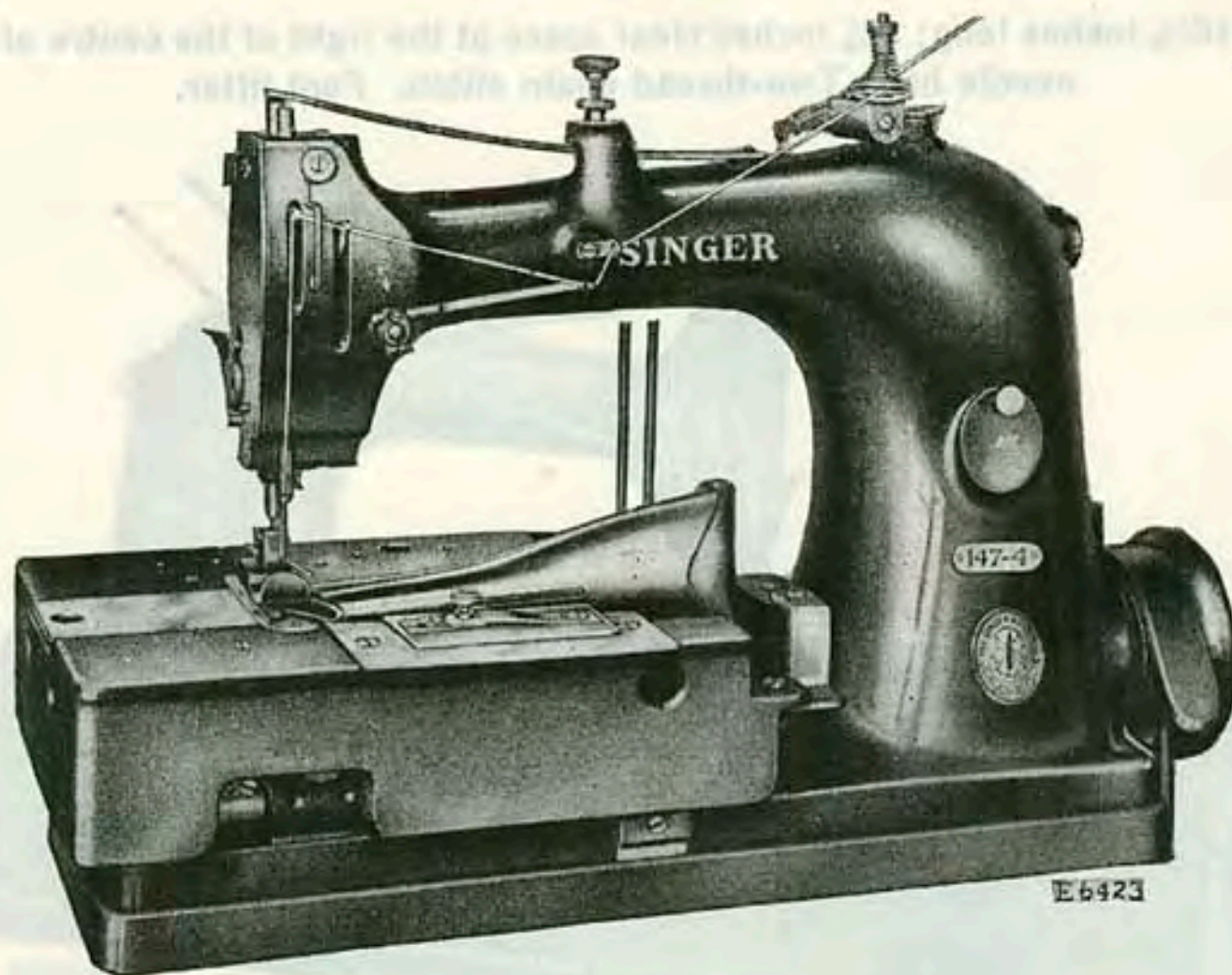
NOTE. This machine is regularly furnished with a belt guard and wooden bench stand No. 79611. When the machine is fitted for glove work it will be furnished with knee instead of foot lifter.

Insert for Form 8800 in place of leaf now showing 147-1 and 147-2 Machines. (May, 1926).

PRINTED IN U. S. A.



MACHINES OF CLASS 147



MACHINE No. 147-4

NO.	DESCRIPTION	PRICE
147-3	<p>FOR CLOSING SHOES. One needle, one looper, roller presser.                      Balance wheel No. 64259. Diameter of belt groove 2 inches.....                      Speed up to 3500, according to the material being stitched.                      Cipher, ESFAG. See Form 9695.                      Weight in lbs., 79 net, 130 gross. Cubic meas., 5 ft. 3 in.</p>	

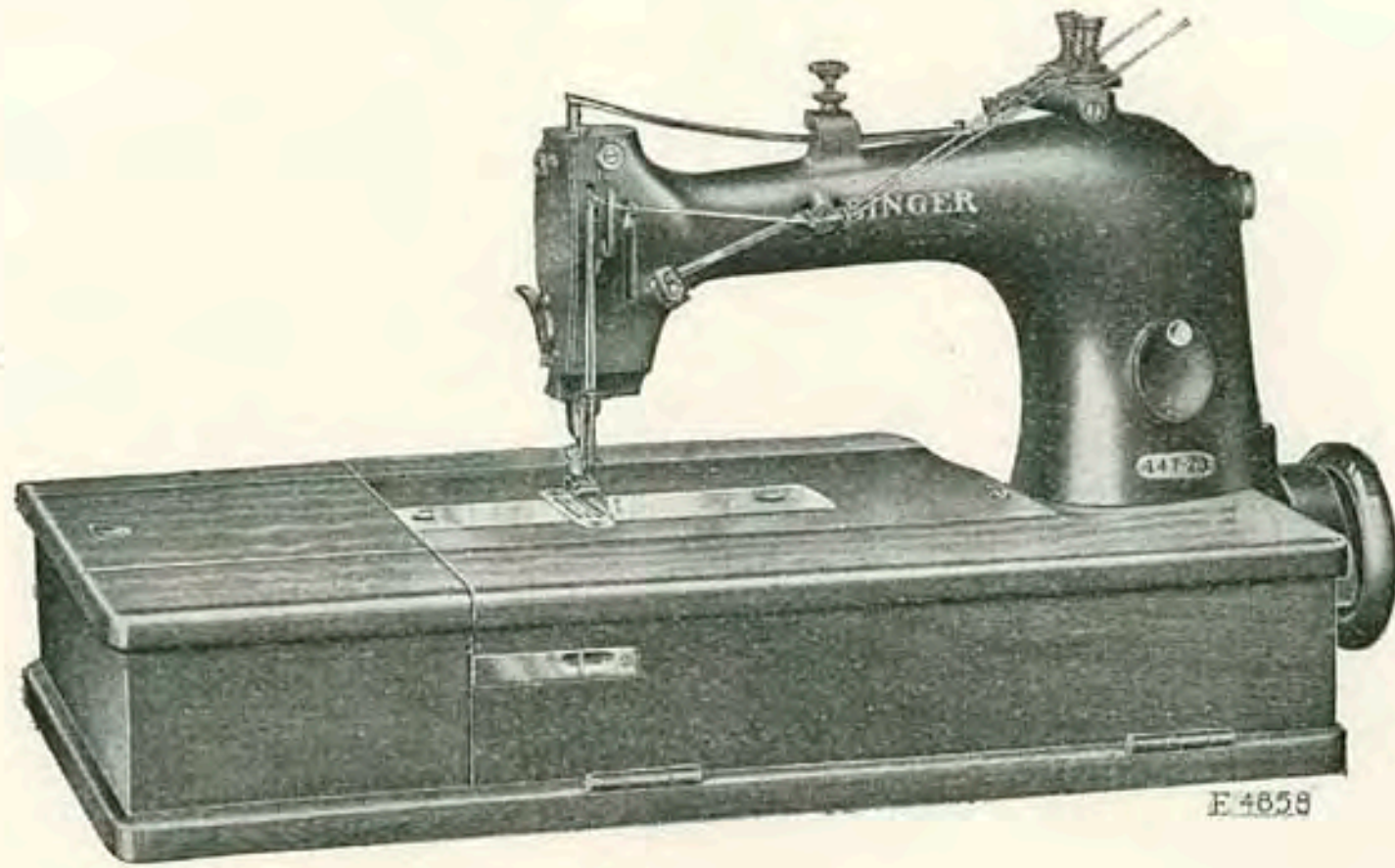
NOTE. This machine is regularly furnished with belt guard, wooden bench-stand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.

147-4	<p>FOR STITCHING BUTTON STAYS ON KNIT UNDERWEAR. One needle, one looper, transverse tubular binder and gathering feed.                      Balance wheel No. 64259. Diameter of belt groove 2 inches.....                      Speed up to 3500, according to the material being stitched.                      Cipher, ESFAH. See Form 9721.                      Weight in lbs., 84 net, 133 gross. Cubic meas., 5 ft. 3 in.                      Formerly 147 S. V. 9 Machine.</p>	
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NOTE. This machine is regularly furnished with belt guard and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.



MACHINES OF CLASS 147

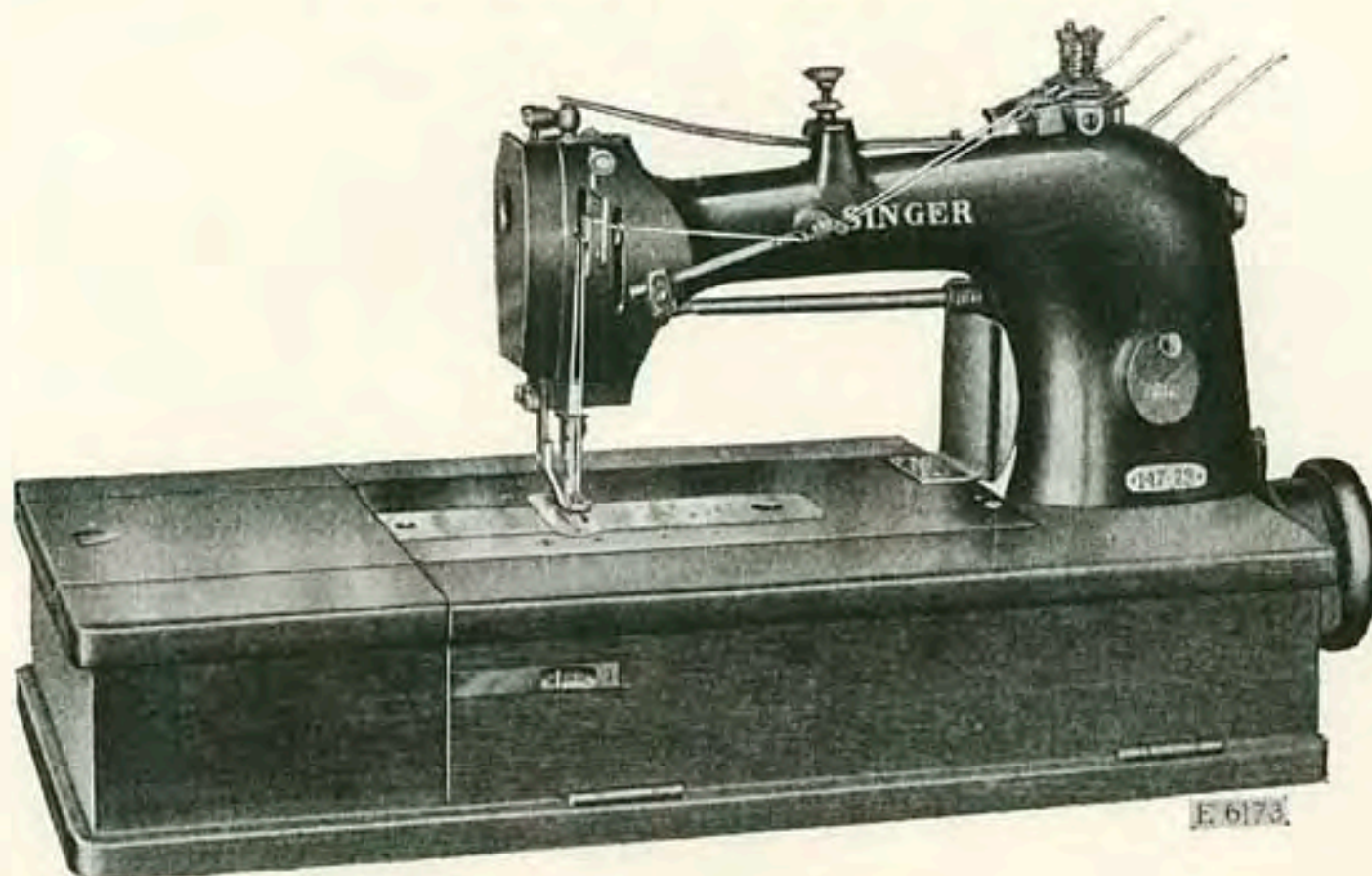


MACHINE No. 147-20

NO.	DESCRIPTION	PRICE
147-20	<p>FOR TWO LINE STITCHING IN FABRICS. Two needles, two loopers, for two-thread chain stitch; foot lifter. Gauges from <math>\frac{3}{32}</math> to <math>\frac{3}{8}</math> inch. Balance wheel No. 64259. Diameter of belt groove 2 inches . . . . .</p> <p>Speed up to 3500, according to the material being stitched.</p> <p>Cipher, ESFAP. See Form 9653.</p> <p>Weight in lbs., 84 net, 133 gross. Cubic meas., 4 ft. 10 in.</p>	
	<p>NOTE. This machine is regularly furnished with belt guard, wooden bench-stand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.</p>	
147-21	<p>FOR STAYING SHOES. Two needles, two loopers, for two-thread chain stitch; foot lifter. Gauges from <math>\frac{3}{32}</math> to <math>\frac{3}{16}</math> inch. Balance wheel No. 64259. Diameter of belt groove 2 inches. .</p> <p>Speed up to 3500, according to the material being stitched.</p> <p>Cipher, ESFAR. See Form 9683.</p> <p>Weight in lbs., 89 net, 137 gross. Cubic meas., 4 ft. 10 in.</p>	
	<p>NOTE. This machine is regularly furnished with belt guard, wooden bench-stand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.</p>	
147-22	<p>FOR VAMPING AND FOXING SHOES. Two needles, one looper; gauges from <math>\frac{1}{32}</math> to <math>\frac{1}{16}</math> inch. Roller presser. Balance wheel No. 64259. Diameter of belt groove 2 inches. . . . .</p> <p>Speed up to 3500, according to the material being stitched.</p> <p>Cipher, ESFAS.</p> <p>Weight in lbs., 84 net, 133 gross. Cubic meas., 4 ft. 10 in.</p> <p>Formerly 147 S. V. 4 Machine. (December, 1924).</p>	
	<p>NOTE. This machine is regularly furnished with belt guard, wooden bench-stand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.</p>	



## MACHINES OF CLASS 147



MACHINE No. 147-23

NO.	DESCRIPTION	PRICE
<b>147-23</b>	<p>FOR GENERAL WORK IN FABRICS AND LIGHT LEATHER. Two needles, two loopers; gauges <math>\frac{3}{32}</math> to <math>\frac{3}{8}</math> inch. Alternating pressers, independent upper and under feeds. Balance wheel No. 64259. Diameter of belt groove 2 inches. . . . .</p> <p>Speed up to 3000, according to the material being stitched. Cipher, ESFAT. See Form 9701.</p> <p>Weight in lbs., 84 net, 133 gross. Cubic meas., 4 ft. 10 in.</p>	

NOTE. This machine is regularly furnished with belt guard, wooden bench-stand No. 79611 and foot lifter. If knee lifter instead of a foot lifter is desired, it must be so stated on the order.

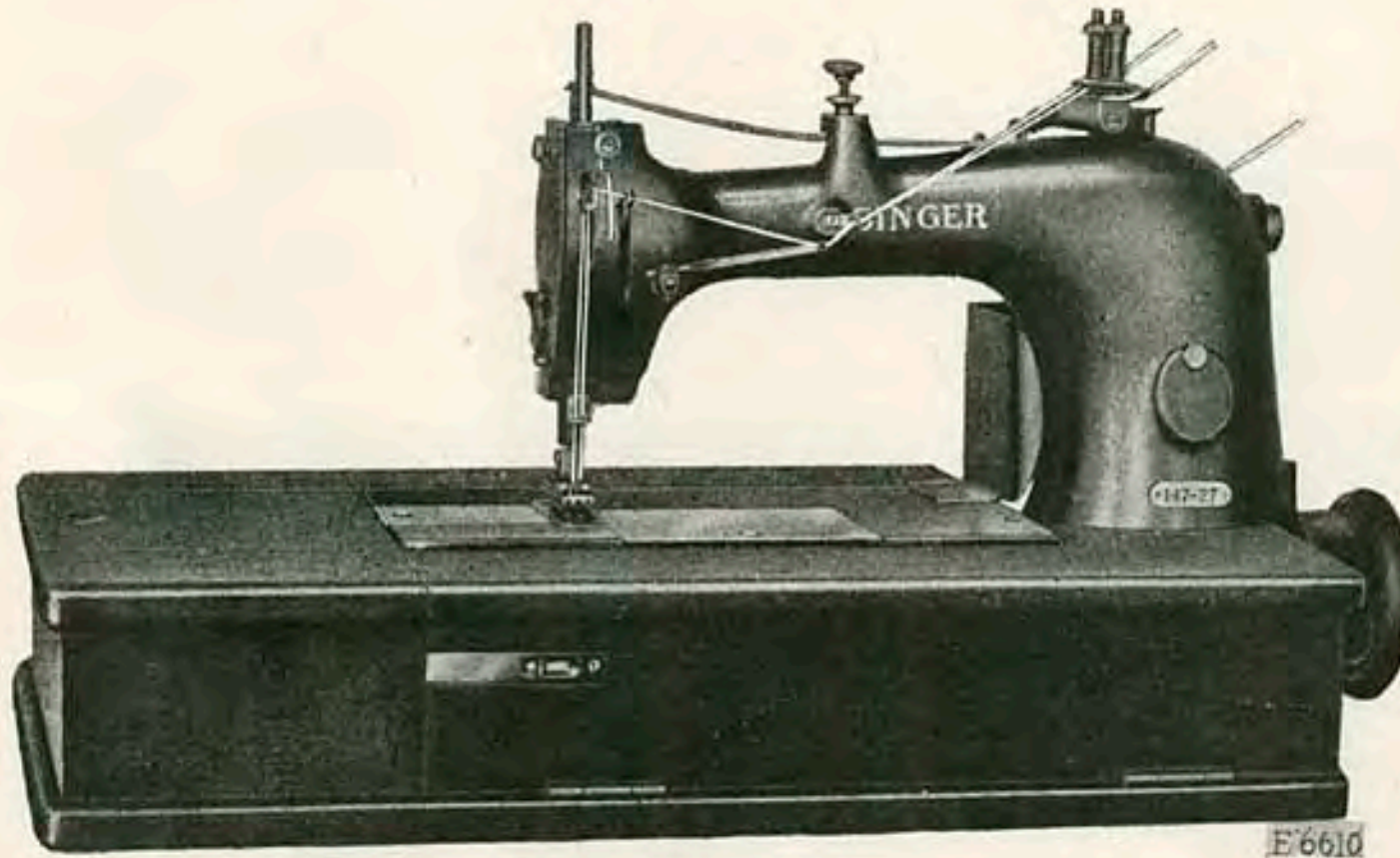
<b>147-24</b>	<p>FOR FOUR LINE SHOE TIPPING; ALSO FOR EYELET ROW STITCHING. Four needles, two loopers. By removing one or more needles, two or three line stitching can be obtained. Gauges between the first and second and between the third and fourth needles <math>\frac{1}{32}</math> to <math>\frac{5}{64}</math> inch, and between the second and third needles <math>\frac{1}{8}</math> to <math>\frac{3}{32}</math> inch. Balance wheel No. 46220. Diameter of belt groove <math>2\frac{1}{8}</math> inches. . . . .</p> <p>Speed up to 3200, according to the material being stitched. Cipher, ESFAU. See Form 9705.</p> <p>Weight in lbs., 84 net, 133 gross. Cubic meas., 4 ft. 10 in. Formerly 147 S. V. 6 Machine. (June, 1925).</p>	
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NOTE. This machine is regularly furnished with belt guard, wooden bench-stand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.

<b>147-25</b>	<p>FOR COVERING SEAMS, NECKING AND ORNAMENTING UNDERWEAR. Two needles, one looper; gauges <math>\frac{1}{8}</math>, <math>\frac{3}{16}</math> and <math>\frac{1}{4}</math> inch. Balance wheel No. 64259. Diameter of belt groove 2 inches. . . . .</p> <p>Speed up to 3200, according to the material being stitched. Cipher, ESFAW. See Form 9710.</p> <p>Weight in lbs., 83 net, 133 gross. Cubic meas., 5 ft. 3 in. Formerly 147 S. V. 7 Machine. (March, 1926).</p>	
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## MACHINES OF CLASS 147



MACHINE No. 147-27

NO.	DESCRIPTION	PRICE
147-26	<p>FOR VAMPING AND FOXING SHOES. Two needles, two loopers. Gauges from <math>\frac{3}{32}</math> to <math>\frac{3}{16}</math> inch. Balance wheel No. 64259. Diameter of belt groove 2 inches. . . . .</p> <p>Speed up to 3500, according to the material being stitched.</p> <p>Cipher, ESFAY. See Form 9711.</p> <p>Weight in lbs., 85 net, 136 gross. Cubic meas., 5 ft. 3 in.</p> <p>Formerly 147 S. V. 3 Machine.</p> <p><small>NOTE.</small> This machine is regularly furnished with belt guard, wooden bench-stand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.</p>	
147-27	<p>FOR CORDING AND AIR TUCKING IN SKIRTS, WAISTS, MILLINERY AND OTHER SIMILAR ARTICLES. Air tucking can be made <math>\frac{1}{32}</math> to <math>\frac{1}{8}</math> inch high, but the desired height must be stated on the order for the machine, and material and cord to be used sent with the order. Has two needles, one looper; gauges <math>\frac{3}{64}</math> to <math>\frac{1}{8}</math> inch. Presser foot No. 46271 and throat plate No. 52666. For plain stitching. Balance wheel No. 64259. Diameter of belt groove 2 inches. . . . .</p> <p>Speed up to 3500, according to the material being stitched.</p> <p>Cipher, ESFAZ. See Form 9719.</p> <p>Weight in lbs., 79 net, 130 gross. Cubic meas., 5 ft. 3 in.</p> <p>Formerly 147 S. V. 5 Machine.</p> <p><small>NOTE.</small> This machine is regularly furnished with belt guard, wooden bench-stand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.</p>	



NO.	DESCRIPTION	PRICE
<b>147-28</b>	<p>FOR COVERING SEAMS, NECKING AND ORNAMMENTING UNDERWEAR; ALSO FOR SWEATER WORK. Two needles, one looper. Gauges <math>\frac{1}{8}</math>, <math>\frac{3}{16}</math> and <math>\frac{1}{4}</math> inch. Gathering feed. Balance wheel No. 64259. Diameter of belt groove 2 inches.....</p> <p>Speed up to 3200, according to the material being stitched.</p> <p>Cipher, ESHAB. See Form 9764.</p> <p>Weight in lbs., 84 net, 130 gross. Cubic meas., 5 ft. 3 in.</p> <p>Formerly 147 S. V. 12 Machine (June, 1927).</p>	

NOTE: This machine is regularly furnished with belt guard, wooden benchstand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.

<b>147-29</b>	<p>FOR TWO LINE STITCHING IN FABRICS. Two needles, two loopers, for two thread chain stitch. Foot lifter. Gauges from <math>\frac{3}{32}</math> to <math>\frac{3}{8}</math> inch. The machine is fitted with upper and under corrugated feed rolls attached to the bed of the machine to assist in carrying the material from the machine after being stitched. The under roll receives its motion from an adjustable eccentric on the rotary shaft, being independently adjustable to bring the motion of the feed rolls in unison with the stitching mechanism. Balance wheel No. 64259. Diameter of belt groove, 2 inches.....</p> <p>Speed up to 3400, according to the material being stitched.</p> <p>Cipher, ESHAD. See Form 9792.</p> <p>Weight in lbs., 98 net, 155 gross. Cubic meas., 6 ft. 6 in.</p> <p>Formerly 147 S. V. 18 Machine.</p>	
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NOTE. This machine is regularly furnished with belt guard, wooden benchstand No. 79756 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.

<b>147-30</b>	<p>FOR GENERAL WORK IN FABRICS WHERE THREE LINE STITCHING IS DESIRED. Three needles and three loopers, for lap seam felling. Gauges from <math>\frac{3}{32}</math> to <math>\frac{3}{16}</math> inch between each needle. Balance wheel No. 64259. Diameter of belt groove, 2 inches.....</p> <p>Speed up to 3500, according to the material being stitched.</p> <p>Cipher, ESHAK. See Form 9791.</p> <p>Weight in lbs., 81 net, 130 gross. Cubic meas., 5 ft. 3 in.</p>	
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NOTE. The lap seam feller is furnished with this machine only when so ordered, and at an additional price.

NOTE. This machine is regularly furnished with belt guard, wooden benchstand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.

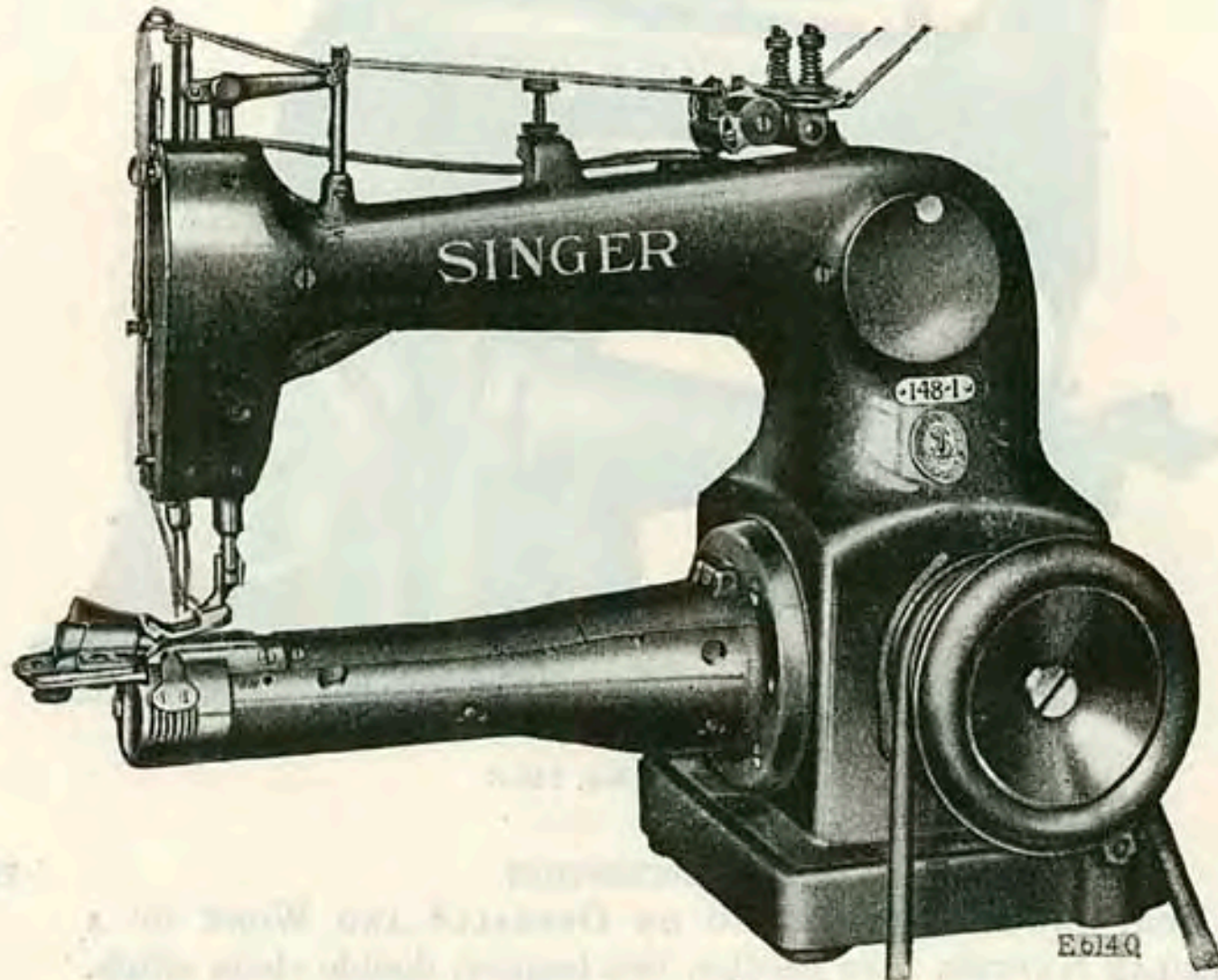
<b>147-35</b>	<p>FOR STAYING SHOES. Two needles, two loopers, two-thread chain stitch. Gauges <math>\frac{3}{32}</math> to <math>\frac{3}{8}</math> inch. Thread nipping device; foot lifter. Balance wheel No. 54210. Diameter of belt groove <math>2\frac{5}{8}</math> inches.....</p> <p>Speed up to 3500, according to the material being stitched.</p> <p>Cipher, ESHAY. See Form 9790.</p> <p>Weight in lbs., 89 net, 137 gross. Cubic meas., 5 ft. 3 in.</p> <p>Supersedes 147-21 Machine. (June, 1927).</p>	
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NOTE: This machine is regularly furnished with belt guard, wooden benchstand No. 79611 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.



# MACHINES OF CLASS 148

Cylinder bed 2 inches diameter;  $9\frac{5}{8}$  inches clearance back of needles.  
Hand wheel on side. Elastic chain stitch. Feed up arm.



MACHINE No. 148-1

NO.	DESCRIPTION	PRICE
148-1	<p>FOR TWO LINE STITCHING ON OVERALLS AND WORK OF SIMILAR NATURE. Two needles, two loopers, double chain stitch. Gauges <math>\frac{7}{32}</math>, <math>\frac{1}{4}</math>, <math>\frac{9}{32}</math> and <math>\frac{5}{16}</math> inch. Drop feed, foot lifter. Pulley No. 125523. Diameter of belt groove <math>2\frac{7}{8}</math> inches..... Speed up to 3200, according to the material being stitched. Cipher, ESGAB. See Form 9699. Weight in lbs., 79 net, 129 gross. Cubic meas., 4 ft. 9 in.</p>	

NOTE. The Lap Seam Feller No. 120476 is furnished with this machine only when so ordered and at an additional price.

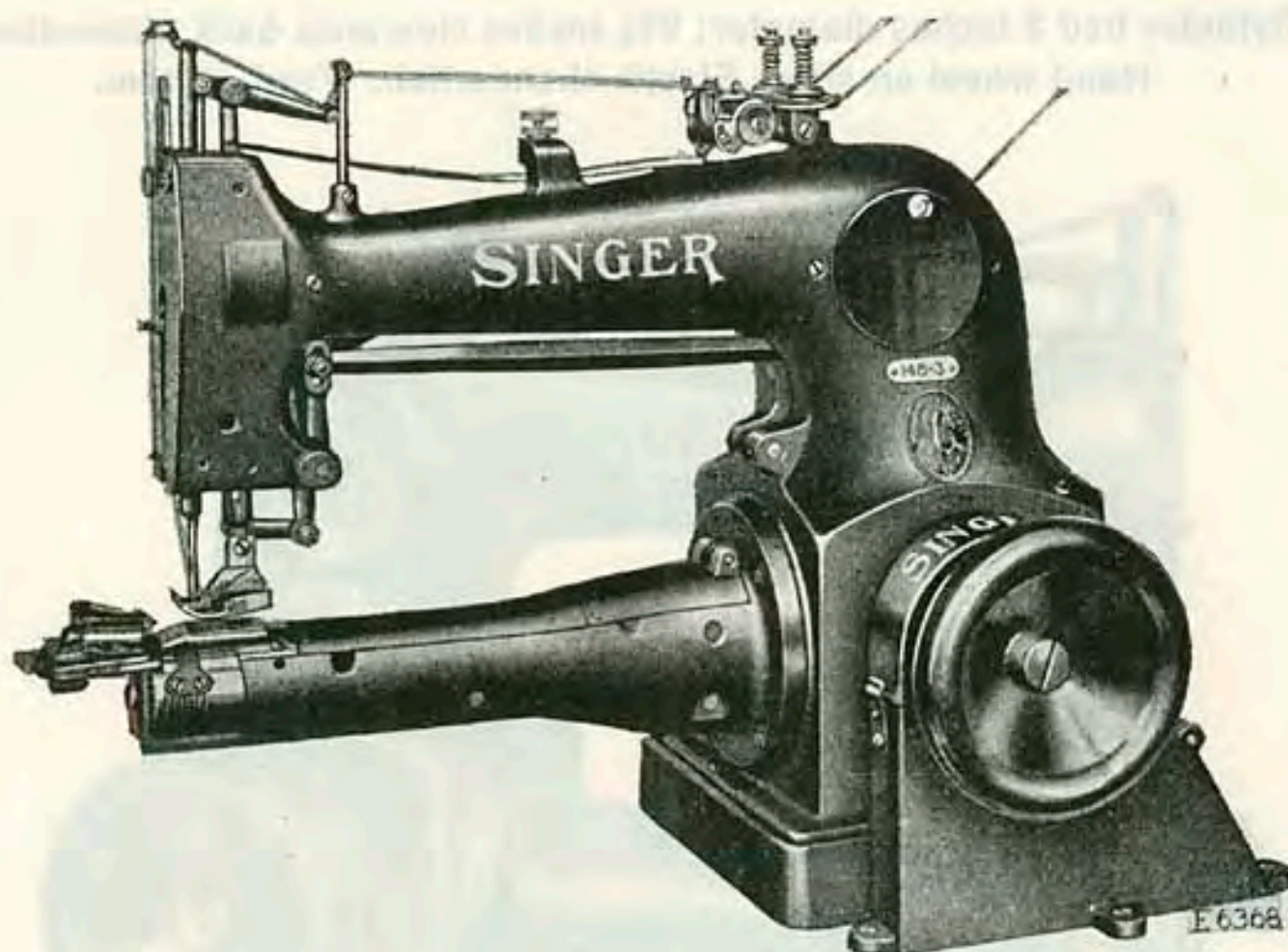
148-2	<p>FOR TWO LINE STITCHING ON SHIRTS, PAJAMAS, MEDIUM AND LIGHT WEIGHT MATERIAL. Two needles, two loopers, double chain stitch. Gauges <math>\frac{1}{8}</math>, <math>\frac{5}{32}</math>, <math>\frac{3}{16}</math>, <math>\frac{7}{32}</math> and <math>\frac{1}{4}</math> inch. Drop feed, foot lifter. Pulley No. 125523. Diameter of belt groove <math>2\frac{7}{8}</math> inches..... Speed up to 3200, according to the material being stitched. Cipher, ESGAC. See Form 9717. Weight in lbs., 78 net, 128 gross. Cubic meas., 4 ft. 9 in.</p>	
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NOTE. The Lap Seam Feller No. 120476 is furnished with this machine only when so ordered and at an additional price.

Insert for Form 8800 in place of leaf now showing corresponding Machines. (June, 1927).



MACHINES OF CLASS 148



MACHINE No. 148-3

NO.	DESCRIPTION	PRICE
<b>148-3</b>	<p>FOR TWO LINE STITCHING ON OVERALLS AND WORK OF A SIMILAR NATURE. Two needles, two loopers; double chain stitch. Gauges <math>\frac{7}{32}</math>, <math>\frac{1}{4}</math>, <math>\frac{9}{32}</math> and <math>\frac{5}{16}</math> inch. Upper and under feed, foot lifter. Pulley No. 125523. Diameter of belt groove <math>2\frac{7}{8}</math> inches..... Speed up to 2600, according to the material being stitched. Cipher, ESGAD. See Form 9720. Weight in lbs., 79 net, 129 gross. Cubic meas., 4 ft. 9 in. Formerly 148 S. V. 1 Machine.</p>	

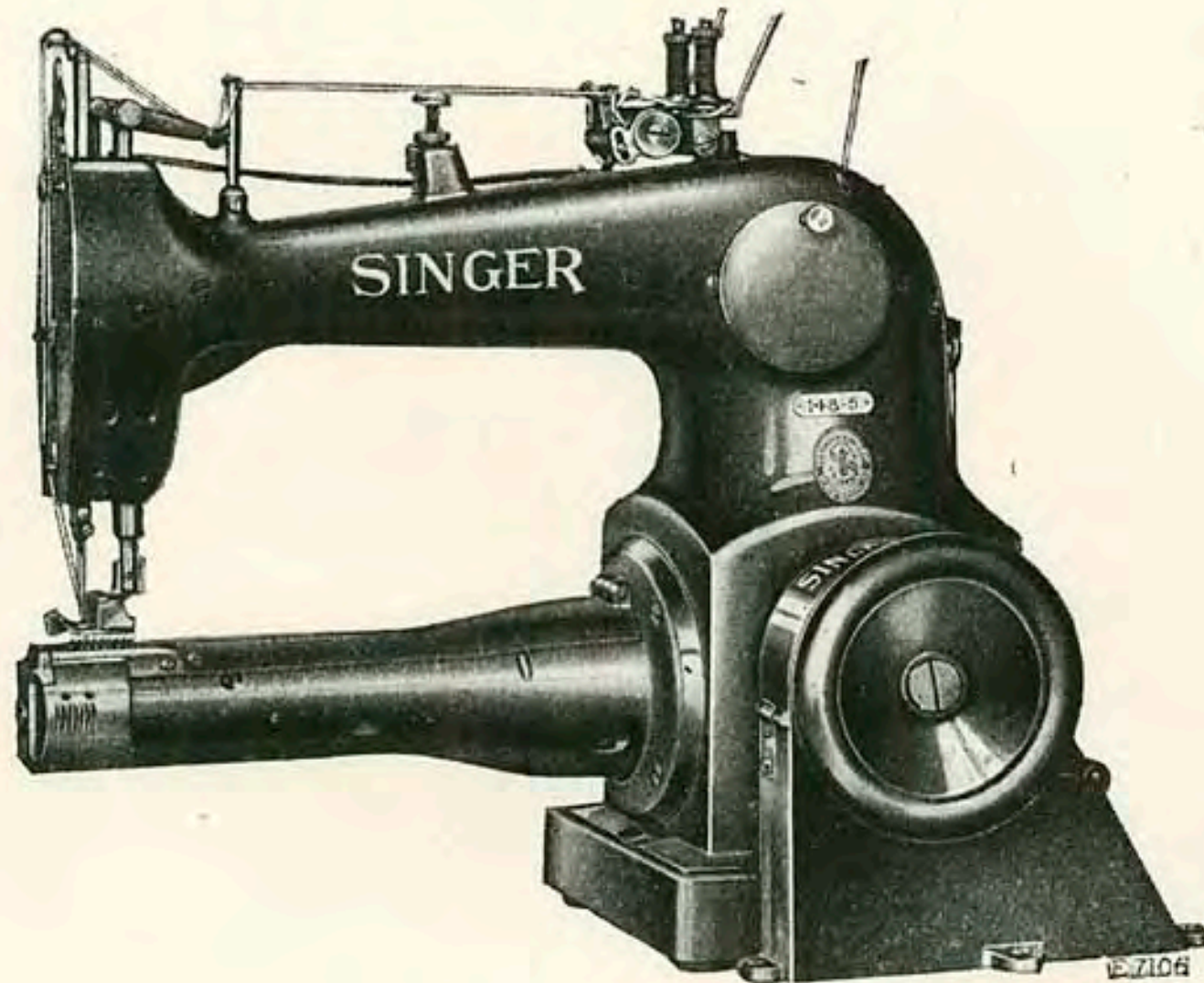
NOTE. The Lap Seam Feller No. 120476 is furnished with this machine only when so ordered and at an additional price.

<b>148-4</b>	<p>FOR THREE LINE STITCHING ON HEAVY OVERALLS AND WORK OF A SIMILAR NATURE. Three needles, three loopers; double chain stitch. Gauges <math>\frac{3}{32}</math>, <math>\frac{7}{64}</math>, <math>\frac{1}{8}</math>, <math>\frac{9}{64}</math> and <math>\frac{5}{32}</math> inch between each needle. Drop feed, foot lifter. Pulley No. 125523. Diameter of belt groove <math>2\frac{7}{8}</math> inches..... Speed up to 3000, according to the material being stitched. Cipher, ESGAE. See Form 9776. Weight in lbs., 78 net, 128 gross. Cubic meas., 4 ft. 9 in. Formerly 148 S. V. 2 Machine.</p>	
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NOTE. The Lap Seam Feller No. 120476 is furnished with this machine only when so ordered and at an additional price.



MACHINES OF CLASS 148



MACHINE No. 148-5

NO.	DESCRIPTION	PRICE
<b>148-5</b>	<p>FOR SEAM COVERING ON KNIT GOODS, UNDERWEAR, ETC. Two needles, one looper. Gauges <math>\frac{1}{8}</math>, <math>\frac{3}{16}</math> and <math>\frac{1}{4}</math> inch. Drop feed, foot lifter. Pulley No. 125523. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . Speed up to 3200, according to the material being stitched. Cipher, ESGAH. See Form 9788. Weight in lbs., 76 net, 122 gross. Cubic meas., 4 ft. 9 in. Formerly 148 S. V. 3 Machine.</p>	
<b>148-6</b>	<p>FOR SHOE STAYING. Two needles, two loopers, double chain stitch. Gauges <math>\frac{1}{8}</math>, <math>\frac{3}{16}</math>, <math>\frac{7}{32}</math>, <math>\frac{1}{4}</math>, <math>\frac{9}{32}</math> and <math>\frac{5}{16}</math> inch. Drop feed, foot lifter. Pulley No. 125523. Diameter of belt groove <math>2\frac{7}{8}</math> inches. . . . . Speed up to 3200, according to the material being stitched. Cipher, ESGAJ. See Form 9772. Weight in lbs., 79 net, 129 gross. Cubic meas., 4 ft. 9 in. Formerly 148 S. V. 4 Machine.</p>	

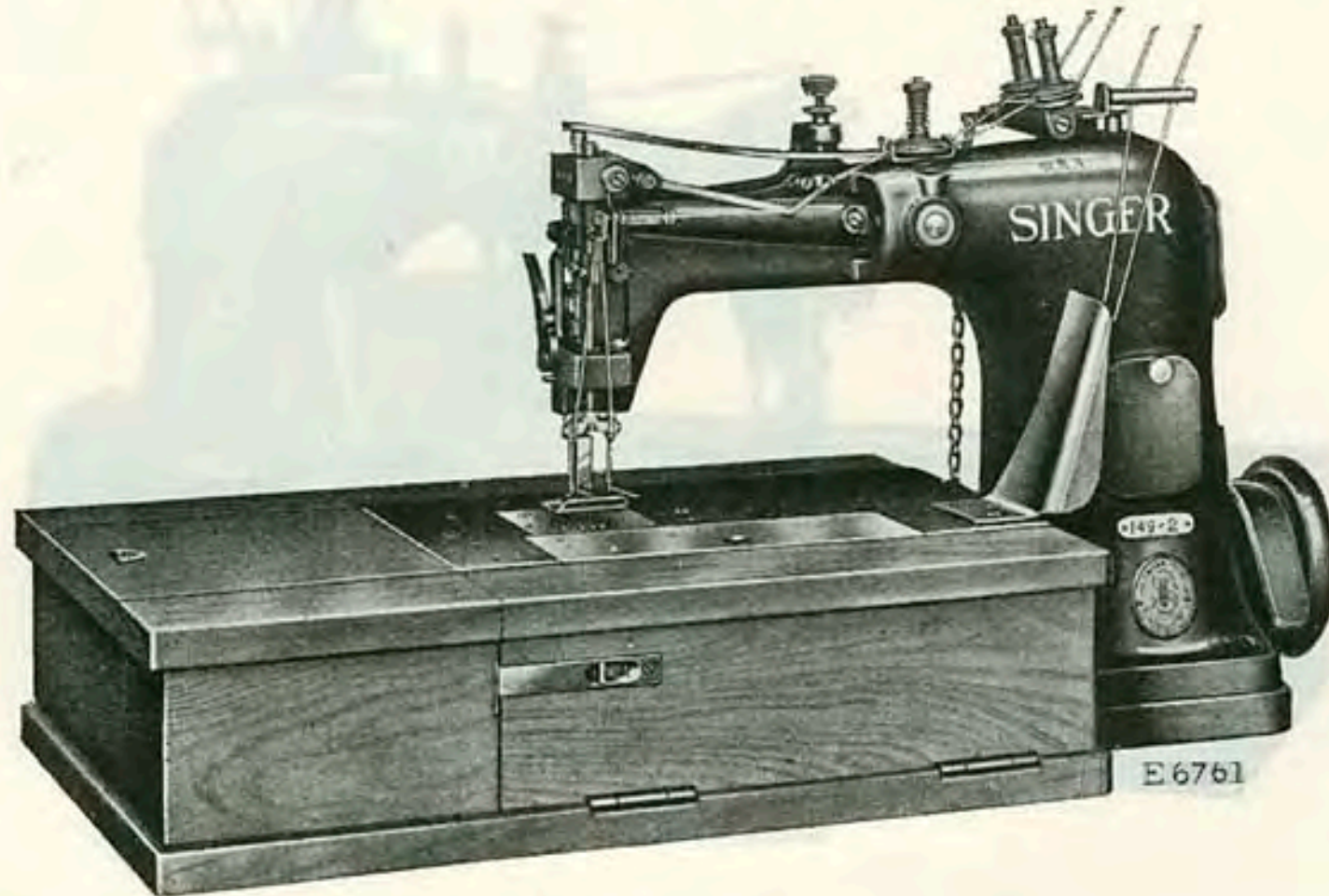
Insert for Form 8800. (June, 1927).

PRINTED IN U. S. A.



# MACHINES OF CLASS 149

Bed 17 inches long: 8½ inches clear space at right of centre of needle bar.  
Two-thread chain stitch. Foot lifter.



MACHINE NO. 149-2

The retail price of the 149-2 Machine as listed does not cover the special fittings for shirt facings. In ordering machines for shirt facings always send samples of material to be used and if possible a sample of the finished garment.

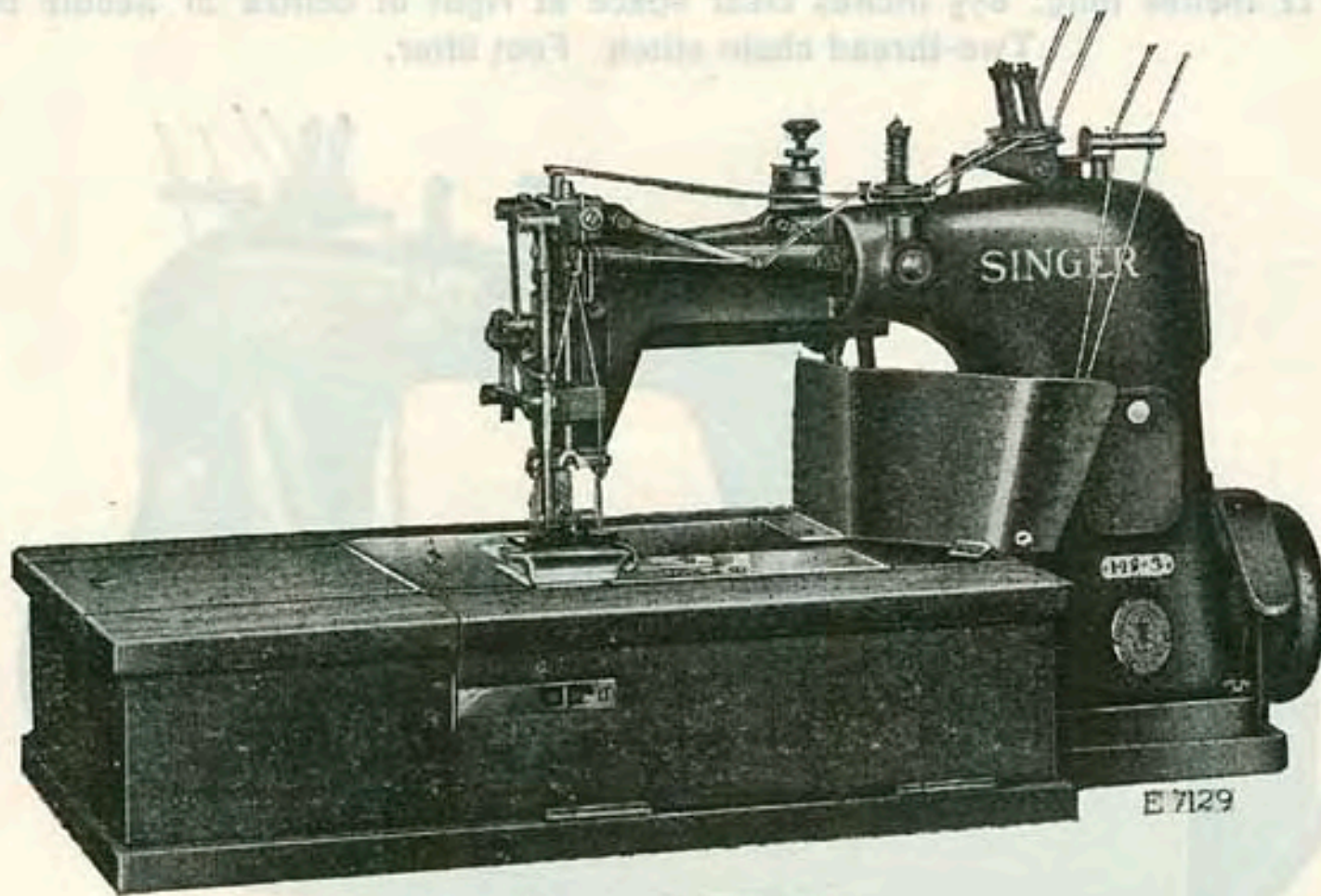
NO.	DESCRIPTION	PRICE
<b>149-2</b>	<p>FOR STITCHING FACINGS AND BUTTON STAYS ON MEN'S SHIRTS; ALSO FOR TWO-LINE, TWO-THREAD CHAIN STITCHING IN LIGHT AND MEDIUM WEIGHT FABRICS. Two needles, two loopers. Gauges from ¾ to 1½ inches. Balance wheel No. 128509. Diameter of belt groove 2 inches..... Speed up to 3500, according to the material being stitched. Cipher, ESGAP. See Form 9736. Weight in lbs., 90 net, 138 gross. Cubic meas. 5 ft. 3 in.</p>	

NOTE. This machine is regularly furnished with belt guard, wooden bench-stand No. 79757 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.

Insert for Form 8800 in place of leaf now showing 149-1 and 149-2 Machines (August, 1927)



MACHINES OF CLASS 149



MACHINE No. 149-3

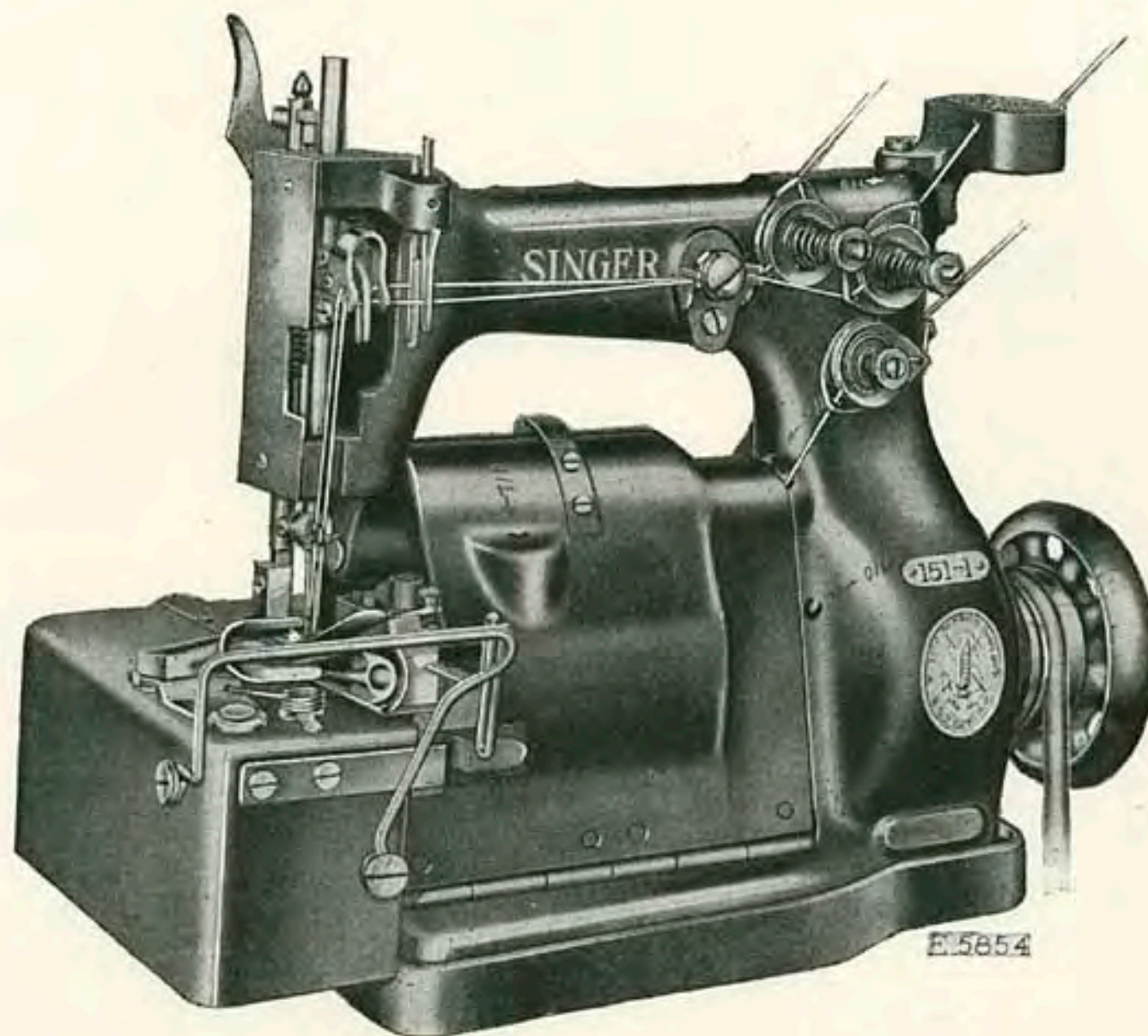
NO.	DESCRIPTION	PRICE
149-3	<p>FOR STITCHING FACINGS AND BUTTON STAYS ON KNIT UNDERWEAR. Two needles and two loopers. Gauges from <math>\frac{3}{8}</math> to <math>1\frac{1}{2}</math> inches. Fitted with upper gathering device. Balance wheel No. 128509. Diameter of belt groove 2 inches. . . . . Speed 3500, according to the material being stitched. Cipher, ESGAR. See Form 9783. Weight in lbs., 84 net, 130 gross. Cubic meas. 5 ft. 3 in. Formerly 148 S. V. 1 Machine.</p>	

NOTE. This machine is regularly furnished with belt guard, wooden bench stand No. 79757 and foot lifter. If a knee lifter instead of a foot lifter is desired, it must be so stated on the order.



# MACHINES OF CLASS 151

Three-thread chain stitch



MACHINE No. 151-1

NO.	DESCRIPTION	PRICE
151-1	<p>FOR EDGES OF HAT SWEATS. The Machine makes an ornamental stitch and is fitted with a folding attachment with a tube, for folding the strip, guiding and inserting the reed or wire and stitching to the sweat with an overseaming three-thread chain stitch. Two needles and one looper. Gauge <math>\frac{3}{32}</math> inch. Balance wheel No. 129012. Diameter of belt groove <math>1\frac{3}{8}</math> inches.....                      Speed 2250. Cipher, ESGAV. See Form 9692.                      Weight in lbs., 28 net, 45 gross. Cubic meas., 1 ft. 6 in.</p>	
151-2	<p>FOR STITCHING THE EDGE OF SWEATS FOR CAPS AND SOFT FELT HATS. The machine makes an ornamental stitch and is fitted with a folding attachment for folding the strip and stitching to the sweat with an overseaming three-thread chain stitch. The folding attachment is furnished with a tube for guiding and inserting the reed or wire, and with a guide for the folded strip when a sweat is desired without the reed or wire. Two needles and one looper. Gauge <math>\frac{5}{64}</math> inch. Balance wheel No. 129012. Diameter of belt groove <math>1\frac{3}{8}</math> inches.....                      Speed 2250. Cipher, ESGAW. See Form 9743.                      Weight in lbs., 35 net, 60 gross. Cubic meas., 2 ft. 6 in.                      Formerly 151 S. V. 1 Machine. (January, 1926.)</p>	



**MACHINES RECOMMENDED**  
**FOR THE**  
**MANUFACTURE OF DIFFERENT ARTICLES**

Other Machines described in this Catalogue can be used for nearly all the  
Purposes named, and can be Substituted if for any Reason they are Preferred.

**AEROPLANE, HANGARS**

Stitching—No. 8-8

**APRONS**

Stitching—Nos. 147-20, 147-1, 96-12, 95-10, 95-1, 63-6, 62-25, 53-1, 44-84, 44-37,  
44-13, 31-15, 24-53, 24-26, 24-4, 16-133, 15-31

Air Tucking—Nos. 62-46, 62-40

Banding—No.

Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised

Sewing on Buttons—Nos. 114-2, 114-1, 69-6, 69-5, 68-7, 68-6

Cording—Nos. 62-40, Machines of Class 52 with Multiple Corders, Machines  
of Class 37

Embroidering—Nos. 44-62, 44-39, 16-97

Gathering—Nos. 76-1, 24-13, Machines of Class 52 with Gathering Foot

Hemming—Nos. 96-12, 95-10, 95-1, 44-13, 24-26, 15-31 with Hemmers

Hemstitching—See Bridgeport Catalogue, Form 1800w, Revised

Inserting Lace—Nos. 52-52, 24-53, 24-26

Loop Trimming—No.

Picot Edging—No. 24-54

Folding and Crimping Edges—No. 24-17

Tucking—Nos. 88-6, 52-73 to 52-80, 44-24, 32-55, 24-34, Machines of Class 106

Plaiting—Nos. 31-63, 31-37, 24-19

Ruffling—Nos. 62-43, 44-60, 44-22, 31-60, 31-27, 24-29, 24-23

**AUTOMOBILE TIRES**

Stitching Treads—No. 98-3

**AWNINGS**

Stitching—Nos. 109-206, 109-204, 78-1, 45 κ 37, 45 κ 11, 45 κ 5, 45 κ 1, 42-8  
31-62, 31-34, 31-15, 16-81, 7-48, 7-34, 7-29, 7-9

Binding—Nos. 78-1, 44-9, 31-19, 16-141 with Binders, 7-48

Lap Seam Felling—Nos. 7-50, 7-28, 7-22

Overseaming—No. 47 κ 5



## BADGES

Stitching—Nos. 53-1, 44-20, 44-13, 24-36, 24-32, 15-31  
Ornamenting—Nos. 44-39, Machines of Class 32, No. 31-42  
Overedging—Nos. 81-2, 75-1

## BAGS

For Ballast }  
" Canvas } Nos. 124-1, 92-6, 92-5, 92-4, 92-3, 92-2, 92-1, 55-4, 55-3,  
" Coal } 45 κ 58, 45 κ 48, 45 κ 37, 45 κ 11, 43-1, 42-8, 42-2, 16-188,  
" Mail } 11-36, 11-32, 11-24, 7-50, 7-48, 7-34, 7-28, 7-9, 7-7  
" Jute } 7-5, 3-1  
" Cartridges—Nos. 42-5, 42-2  
" Darning—Nos. 45 κ 74, 45 κ 48  
" Feed }  
" Flour }  
" Grain }  
" Seed } Nos. 92-2, 92-1, 62-25, 45 κ 53, 44-13, 31-15, 26-2, 26-1, 17-30  
" School }  
" Hand }  
" Tobacco }  
" Traveling }  
" Golf } Nos. 45 κ 56, 45 κ 53  
" Brief }  
" Horse Feed } Nos. 78-1, 45 κ 74, 45 κ 48, 45 κ 21, 43-5, 43-1, 42-8, 16-188  
" Ore } 11-32, 11-24, 11-13, 11-11, 10-1, 7-50, 7-28, 7-9, 7-7, 7-5  
" Punching }  
" Clay Filled—No. 92-3  
" Closing Bags after they are Filled—Machines of Class 146

## BALLOONS

Nos. 55-3, 31-62, 31-53, 31-52, 31-19, 31-15  
Two Needle Joining—No. 11-30

## BANDAGES

Nos. 53-1, 24-52, 24-32  
Attaching Safety-pin Tubes—Nos. 68-19

## BANNERS

Stitching—Nos. 96-12, 95-10, 95-1, 44-13, 44-9, 32-1, 31-15, 24-32, 16-133  
Ornamenting—Nos. 44-62, 44-39, Machines of Class 32

## BED LINEN

Seaming—Nos. 96-12, 95-10, 95-1, 63-6, 44-37, 44-20, 44-13, 31-15, 24-53, 16-133  
15-31

## BED QUILTS

Quilting—Nos. 11-20, 11-8

## BED TICKS

Seaming—Nos. 44-13, 31-19, 31-15  
Binding—Nos. 62-25, 44-9, 31-19, 31-15, 16-188, 16-141, Binders



## BELTING (FOR POWER TRANSMISSION)

Repairing—No. 44-74

Canvas }  
Rubber } No. 123-1, Machines of Class 8, Machines of Class 5

Leather—Nos. 10-1, 7-14, 7-10, 7-9, 7-7, 6-3, Machines of Class 8, Machines of Class 5

## BELTS (WAIST)

Ladies—Nos. 147-20, 147-1, 96-12, 95-10, 95-1, 62-53, 44-37, 44-35, 44-13, 31-15, 24-32

Sword—Nos. 78-1, 31-55, 31-17, 16-188 or 16-141 with Binder

Cartridges—Nos. 78-1, 31-28, 31-17

## BICYCLE SADDLES

Stitching Nos. 17-24, 17-19, 17-12, 17-5, 17-1

## BICYCLE TOOL CASES

Stitching—Nos. 78-1, 45 κ 58, 45 κ 21, 42-5, 42-1, 31-36, 17-25, 17-24

## BLANKETS

Binding—Nos. 44-72, 44-9, 31-62, 31-19, Binders

Embroidering—No. 16-97

Ornamenting—Machines of Class 32

Overedging—Nos. 85-2, 85-1, 81-10, 81-5, 75-1

## BLANKETS (HORSE)

Stitching—No. 31-34

## BOLTING CLOTH

No. 31-52

## BOOKS

Binding, Flat Opening—Nos. 7-46, 7-11 with Sliding Table

“ Blank—Nos. 45 κ 50, 16-81, 7-13, 7-5, 6-10, 6-9

Stitching Pamphlets—Nos. 45 κ 50, 16-81, 7-14, 7-13

## BOOTS

Legs (Military)—Nos. 45 κ 66, 11-37, 11-35, 11-17, 11-16

“ (Tops)—Nos. 45 κ 25, 45 κ 21, 43-4, 31-28

Soles—No. 45 κ 69

Stitching—Nos. 42-4, 31-42, 31-36, 31-28, 16-127

Ornamenting—Machines of Class 32

Repairing—Nos. 45 κ 69, 29-4

Stitching and Trimming—No. 45 κ 63

Closing On and Undertrimming—Nos. 96-15, 31-30, 16-196

## BRACES

Shoulder—Nos. 44-35, 32-26, 32-1, 31-52

Surgical—Nos. 44-9, 31-28, 31-19, 31-17, 16-141, 16-127



## BRAIDS

Stitching On—Nos. 147-20, 147-1, 96-12, 95-10, 95-1, 62-25, 52-62, 52-52 to 52-60, 41-12, 41-10, 41-8, 41-6, 41-5, 32-38, 32-1, 24-32, 15-31

## BRIEF CASES

Stitching—No. 119-2

## BROGANS

Stitching—Nos. 78-1, 44-26, 31-38, 18-17, 18-16, 16-30

## BUFFING WHEELS

Stitching in Circles—Nos. 7-53, 7-40, 7-33, 7-32, 7-14, 6-17, 6-16, 6-15, 6-14, 6-12

## CAPS

Stitching—Nos. 25-4, 25-3, 24-56, 24-33, 24-7

For Covering and Reinforcing the inside seams with folded strip—Nos. 44-35, 24-55

## CARPETS

Binding—Nos. 78-1, 42-8, 32-1, 16-141, Binders

Overedge Finish—Nos. 81-10, 75-3

Stitching—Nos. 45 κ 37, 45 κ 11, 45 κ 5, 45 κ 1

“ Ingrains—No. 32-45

“ Brussels, etc.—See Bridgeport Catalogue, Form 1800w, Revised

“ Mitres—Nos. 7-7, 7-5, 3-1

Serging Edges—No. 32-48

## CARRIAGES, AUTOMOBILES

Curtains—No. 78-3

Cushions—Nos. 78-1, 42-5, 42-4, 16-141, 7-34, 7-9, 7-1, 3-1, Corders

Covers—Nos. 44-9, 42-8, 31-62, 31-19, 31-15, Machines of Class 7

Rugs, Robes—Nos. 81-12, 81-10, 78-1, 75-3, 62-53, 62-25, 44-35, 44-13, 31-52, 31-15, 7-34, 7-9, 3-1

Stitching Tops—Nos. 78-3, 78-1, 42-5, 31-43, 31-28, 7-9, 7-1, 3-1

Upholstery No. 78-3

## CASKET LININGS

Stitching—Nos. 147-20, 147-1, 96-12, 95-10, 95-1, 63-6, 62-25, 53-1, 24-53, 24-37, 24-26

Gathering—Machines of Class 106 with Gathering Foot, No. 76-1, Machines of Class 52 with Gathering Foot, Nos. 26-1, 24-13

Ruffling—Nos. 62-29, 44-60, 31-60, 31-27, 24-29, 24-23

Plaiting—Nos. 31-63, 31-37, 24-19

Picot Edging—No. 24-54

## COATS, CLOAKS, MEN'S AND BOYS' CLOTHING

Stitching, One Needle—Nos. 96-18, 96-16, 96-12, 96-10, 96-3, 95-10, 95-1, 62-25, 44-13, 31-35, 31-32, 31-15, 24-26, 24-7, 16-133

Stitching, Two Needles—Nos. 44-84, 44-35, 31-62, 31-52, Lap Seam Fellers

Stitching, Three to Twelve Needles—Machines of Class 52, Machines of Class 41



## COATS, CLOAKS, MEN'S AND BOYS' CLOTHING

CONTINUED

Stitching, Two to Twelve Needles—Machines of Class 106  
“ and Edge Trimming—Nos. 95-12, 44-8, 31-35,  
Binding—Nos. 78-1, 44-72, 44-9, 31-19, 16-141, Binders  
Cording—Nos. 78-1, 62-40, Machines of Classes 52, 41 and 37 with Cording Feet  
Tacking—Nos. 69-11, 68-33, 68-9, 51-8, 32-38  
Tacking on Cost Marks and other Tickets—Nos. 114-24, 114-23, 68-23, 68-18,  
55-6  
Serging—Nos. 81-13, 75-4, 32-38  
Quilting—Machines of Class 52, Machines of Class 41, Nos. 31-34, 31-15  
Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised  
Barring—Nos. 69-8, 68-32, 68-11, 68-10, Machines of Class 51  
Sewing on Buttons—Nos. 114-6, 114-5, 114-2, 114-1, 69-18, 69-17, 69-15, 69-6,  
69-5, 68-30, 68-29, 68-21, 68-6  
Sewing on Buckles—Nos. 68-22, 68-19  
Basting, Padding—Nos. 55-5, 55-3, 32-54, 31-34  
Closing and Stitching Pockets into Trousers—No. 81-2  
Covering and Reinforcing Inside Seams—No. 44-35  
Sewing on Military Shank Buttons—No. 58-14

### COATS (LEATHER)

Nos. 62-41, 62-32, 62-26, 45 K 52, 45 K 42, 44-30, 44-25, 44-10, 32-61, 31-55,  
31-43, 31-38, 19-12, 17-25

### COATS (RUBBER)

Nos. 78-1, 31-16, 16-141

### COLLARS

Dog—Nos. 78-1, 44-38, 44-10, 16-127  
Horse—Nos. 78-1, 10-1, 7-48, 7-27, 7-9, 7-7, 7-5

### COLLARS AND CUFFS

Stitching—Nos. 95-11, 44-29, 44-17, 44-3  
Overseaming—Nos. 75-1, 32-25, 32-1  
Stitching Two Rows—No. 44-84

### COMFORTABLES (BED)

Stitching—Nos. 44-9, 31-19, 31-15, 16-141, 16-133

### CORSETS

Stitching—Nos. 95-1, 44-20, 31-15  
“ on Strips, Two Needles—Nos. 52-52, 44-35, 31-52 (strip guides)  
“ “ “ , Three to Twelve Needles—Machines of Class 52, Machines  
of Class 41  
Binding—Nos. 78-1, 44-72, 44-9, 31-19, Binders, Lace Guide  
Finishing Ends of Binding—Machines of Class 51  
Crimping Edges—No. 24-17



## CORSETS—CONTINUED

Cording—No. 62-40, Machines of Class 52 with Multiple Corders, Machines of Class 41 with Cording Foot, Machines of Class 37

Eyelets—Nos. 32-46, 32-43, 32-29

Lap Seams—Nos. 44-35, 31-52

Ornamenting—Nos. 68-24, 68-20, Machines of Class 32

Flossing—No. 31-42

## COUCHES

Stitching—Nos. 62-25, 42-8, 31-19, 16-141, 7-5

## COVERS

Boat } Nos. 45 κ 37, 45 κ 11, 45 κ 5, 45 κ 1, Machines of Class 42, Nos. 31-35,  
Trunk } 31-15, 17-25, 16-141, 11-34, 11-29, 7-48, 7-44, 7-42, 7-39, 7-31,  
Wagon } 7-7, 7-5

Gun }  
Horse } Nos. 85-1, 81-10, Machines of Class 42, Nos. 31-52, 31-35, 31-16,  
Piano } 31-15, 16-141, 16-97  
Table }

Grommet Holes—Nos. 11-32, 11-24

## CURTAINS

Lace, Trimming and Overedging—Nos. 81-8, 81-1

“ Darning—Nos. 31-39, 16-97

“ Ruffling—Nos. 44-60, 44-22, 31-60, 31-27, 24-29, 24-23

“ Ornamenting—Nos. 44-39, Machines of Class 32, No. 31-42

“ Gathering—No. 24-13

Stitching—Nos. 147-20, 147-1, 96-12, 95-10, 95-1, 63-6, 62-25, 53-1, 24-53,  
24-37, 24-26

Picot Edging—No. 24-54

## CUSHIONS

Leather—Nos. 78-1, 62-41, 62-27, 44-9, 42-5, 31-28, 31-19, 31-17

Enameled Cloth—Nos. 78-1, 62-27, 44-9, 42-8, 37-2, 31-28, 31-19, 31-15

Plush—Nos. 78-1, 62-27, 44-9, 42-8 with Corders, 31-19, 7-9, 7-7, 7-5, 3-1

## CYLINDRICAL BOXES

Seaming (Overcast)—Nos. 19-10, 11-16

Stitching—Nos. 45 κ 25, 45 κ 21

## DARNING

Bags—Nos. 45 κ 74, 45 κ 48

Stockings, Table Linen, etc.—No. 17-28

Lace Curtains—No. 31-39

Laundry Nets—No. 45 κ 74



## DRAPERY

- Stitching—Nos. 147-20, 147-1, 96-12, 95-10, 95-1, 78-1, 63-6, 62-25, 53-1, 24-53, 24-37, 24-26  
Ornamenting—Nos. 87-1, 44-39, Machines of Class 32, Nos. 31-42, 16-97  
Gathering—Nos. 76-1, 24-13  
Edgecovering—Nos. 81-4, 75-3, 75-1

## DRESSMAKING

- Seaming—Nos. 147-20, 147-1, 96-12, 96-10, 96-3, 95-10, 95-1, 63-6, 62-25, 44-13, 31-15, 24-53, 24-37, 15-31  
Overseaming (Zigzag)—Nos. 32-26, 32-25, 32-1  
“ (Overedge)—Nos. 81-4, 75-1  
Serging Edges—Nos. 81-3, 75-4  
Cording and Imitation Cording—Nos. 62-46, 62-40, 37-6, 37-2, 32-61  
Tucking—Nos. 106-112, 106-110, 106-108, 106-107, 106-105, 106-104, 52-62, 52-52 to 52-60  
Ornamenting—Nos. 44-39, Machines of Class 32, No. 31-42  
Gathering—No. 76-1, Machines of Class 52 with Gathering Foot, No. 24-13  
Eyelets—Nos. 32-46, 32-41, 32-29  
Sewing on Snap Fasteners—No. 68-27  
“ “ Buttons—Nos. 114-8, 114-7, 114-6, 114-5, 69-6, 69-5, 68-25, 68-7, 68-6  
Tacking—Nos. 69-9, 68-24, 68-20, Machines of Class 51  
Ruffling—Nos. 62-43, 44-60, 44-22, 31-60, 31-27, 24-29, 24-23  
Smocking—No. 68-31  
Plaiting—Nos. 31-63, 31-37  
Sewing in Sleeves—No. 81-2  
Basting—No. 55-5  
Stitching, Three to Twelve Needles—Machines of Class 52, Machines of Class 41  
“ on Cost Marks—Nos. 114-22, 55-6  
Air Tucking—No. 62-46  
Inserting Elastic Webbing in Shirt Waists—No. 62-61

## DUCK COATS

- Stitching—Nos. 78-1, 57-2, 31-62, 31-22, 31-15  
“ and Trimming—Nos. 95-12, 62-56, 44-8, 31-35  
Sewing on Buttons—Nos. 69-6, 69-5, 68-6  
Tacking—Nos. 69-11, 68-9, Machines of Class 51, No. 32-38

## EMBROIDERY

- Nos. 87-1, 44-62, 44-39, 16-97  
See “Ornamental Stitching”

## FLAGS

- Stitching—Nos. 147-20, 147-1, 96-12, 95-10, 95-1, 78-1, 62-53, 62-25, 44-37, 44-13, 32-26, 31-15, 24-53, 24-26  
Hemming—Nos. 95-10, 95-1, 78-1 with Hemmers

## FLOSSING

- Nos. 31-42, 16-97



## FOOTBALLS

Stitching—Nos. 45 κ 72, 45 κ 70, 45 κ 67, 45 κ 58, 45 κ 52, 45 κ 42, 17-24, 10-1, 7-14

## FUR

Sewing—Nos. 46 κ 35, 46 κ 34

## GLOVES

Silk and Cotton—Nos. 147-1, 105-20, 94-10, 94-2, 82-22, 82-20, 82-11, 82-10, 82-4, 82-3, 46 κ 2, 46 κ 1, 25-4, 25-1, 24-53, 15-36

Leather—Nos. 82-20, 81-14, 78-1, 62-41, 62-39, 62-32, 62-27, 46 κ 15, 44-83, 44-82, 44-81, 44-40

Cotton Flannel—Nos. 82-22, 82-20, 81-5, 81-2, 75-5, 25-52

Ornamenting Backs—Nos. 82-22, 82-20, 62-51, 62-39, 46 κ 30, 37-8, 37-6, 37-2

Closing—No. 46 κ 30

Stitching—No. 46 κ 30

Silking Backs—No. 46 κ 30

Sewing on Buttons—Nos. 69-6, 68-7

Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised

Gauge—No. 44-79

Harvesters' Gloves—Nos. 105-3, 105-2, 105-1

Hemming—Nos. 105-20

## GOSSAMER RUBBER CLOTHING

Stitching—Nos. 96-12, 95-10, 95-1, 62-53, 62-25, 44-37, 44-13, 31-16

Sewing on Buttons—Nos. 69-5, 68-6

Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised

## HANDKERCHIEFS

Embroidering—No. 16-97

Hemstitching—See Bridgeport Catalogue, Form 1800w, Revised

## HARNESS

Traces—Machines of Class 97, Nos. 10-1, 7-14, 7-10, 7-9

Stitching—Machines of Class 97, Nos. 78-1, 43-4, 43-1, 42-7, 7-47, 7-35, 7-10, 7-9, 7-1, 6-4, 6-3

Binding—Nos. 78-1, 44-72, 42-5, 16-188, 16-141, 7-9

Sweat Pads—No. 6-8

Pads, Overedging—Nos. 85-2, 85-1, 75-1

## HASSOCKS

Stitching—Nos. 78-1, 56-14, 56-13, 42-5, 7-48, 7-9



## HATS

- Overedging Brims—No. 81-2  
Multiple Stitching, Brims and Crowns—Nos. 52-52 to 52-60, 52-62  
Stitching (Straw)—Nos. 117-2, 25-56  
“ Paper Linings—No. 107-1  
Binding (Felt)—No. 59-1  
Snapping Binding—No. 116-1  
Sweat Bands—Nos. 107-1, 75-1, 46-100, 37-10, 37-3, 32-62, 32-61  
Cases, Leather—Nos. 78-1, 43-4, 19-12, 19-10, 17-24  
Making Linings—No. 24-57  
Tacking Bands and Bows—No. 114-21  
Wiring—No. 112-1  
Abutting and Stitching (Ribbon, Straw Braid and Pyroxylin Braid)—No. 112-3

## HAVERSACKS

- Stitching—Nos. 78-1, 57-14, 44-9, 31-19, 31-15, 16-188, 16-133

## HEAVY LEATHER

- Machines of Class 97, Nos. 45 K 84, 45 K 82, 45 K 80, 45 K 52, 45 K 42, 10-1, 7-14 7-9, 6-4, 6-3

## HELMETS

- Nos. 45 K 63, 45 K 41, 45 K 25, 17-25, 17-8

## FOR HORSES

- Blankets—Nos. 85-2, 85-1, 78-1, 62-53, 42-5, 31-34, 31-30, 31-15, 7-9, 3-1  
Boots—Nos. 17-12, 17-5  
Clothing—Nos. 78-1, 42-2, 31-52, 31-15  
Shoe Pads—No. 7-14  
Felt Pads—No. 32-49

## HOSIERY

- Overstitching and Trimming—Nos. 81-20, 81-4, 81-3, 62-31  
Stitching—Nos. 82-3, 75-1, 62-25  
Seam Covering—Nos. 86-3, 62-38  
Seaming and Overedging—Nos. 81-20, 46 K 41, 46 K 40  
Darning—No. 17-28  
Hemming Tops—No. 81-6  
Ornamenting—No. 82-22  
Clocking—Nos. 81-16, 69-21, 69-20

## INFANT'S GARMENTS (CAPS, CLOAKS, ETC.)

- Stitching—Nos. 147-20, 147-1, 96-18, 96-12, 95-12, 95-10, 95-1, 63-6, 62-25, 53-1, 44-37, 44-20, 44-13, 44-8, 31-15, 24-53, 24-26, 16-35, 15-31  
Air Tucking—Nos. 62-46, 62-40  
Banding—No.  
Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised  
Sewing on Buttons—Nos. 114-2, 114-1, 69-6, 68-25, 68-7, 68-6  
Cording—Nos. 62-40, Machines of Class 37, Machines of Class 52 with Multiple Corders, Machines of Class 41 with Cording Foot  
Trimming and Stitching—Nos. 95-12, 44-8



## **INFANTS' GARMENTS (CAPS, CLOAKS, ETC.)—CONTINUED**

- Embroidering—Nos. 44-62, 44-39, 16-97  
Gathering—Machines of Class 106 with Gathering Foot, No. 76-1, Machines of Class 52 with Gathering Foot, No. 24-13  
Hemming—Nos. 96-12, 95-10, 95-1, 44-13, 24-26, 15-31 with Hemmers  
Hemstitching—See Bridgeport Catalogue, Form 1800w, Revised  
Inserting Lace—Nos. 62-43, 52-52, 24-53, 24-26  
Picot Edging—No. 24-54  
Folding and Crimping Edges—No. 24-17  
Tucking—Nos. 106-112, 106-110, 106-108, 106-107, 106-105, 106-104, 52-73 to 52-80, 52-78, 24-34  
Plaiting—Nos. 31-63, 31-37, 24-19  
Ruffling—Nos. 62-43, 44-60, 44-22, 31-60, 31-27, 24-29, 24-23  
Ornamental Stitching—Nos. 85-10, 32-58, 32-57  
Smocking—No. 68-31  
Basting—No. 55-5  
Sewing on Snap Fasteners—No. 68-27

## **INSOLES**

- Binding—Nos. 78-1, 62-27, 44-9, 31-62, 31-19, Binders  
Overedging—Nos. 85-2, 85-1, 81-12, 81-10, 44-10 with Attachments

## **JACQUARD CARDS**

- Lacing—Nos. 14 κ 9 to 14 κ 16  
Stitching—Nos. 14 κ 17 to 14 κ 24

## **JEAN PANTS, KNEE PANTS**

- Stitching—Nos. 147-1, 96-18, 96-12, 95-10, 95-1, 78-1, 62-25, 44-13, 31-32, 31-15, 16-133  
Stitching, Two Needles—Nos. 147-20, 44-35, 31-62, 31-52  
“ on Paper Tickets—No. 114-22  
Banding—No. 31-52  
Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised  
Sewing on Buttons—Nos. 114-2, 114-1, 69-5, 68-6  
Covering Seams—No. 62-38  
Sewing on Buckles—Nos. 68-22, 68-19  
Tacking—Nos. 68-12, 68-11, 68-10, 51-9, 51-8, 51-3  
Serging Raw Edges—Nos. 81-13, 75-4  
Barring—Nos. 69-10, 69-9, 69-8, 68-12, 68-11, 68-10, 51-7, 51-6, 51-1  
Banding Bottom of Knee Pants—No. 31-62

## **KNAPSACKS**

- Stitching—Nos. 78-1, 62-53, 62-41, 62-25, 57-14, 31-15

## **LAMBREQUINS**

- Stitching—Nos. 147-20, 147-1, 96-12, 95-10, 95-1, 78-1, 62-53, 62-25, 44-35 31-15  
Overedging—Nos. 81-10, 81-5, 75-1  
Embroidering—No. 16-97  
Ornamenting—Nos. 87-1, 68-20, 44-62, 44-39, Machines of Class 32, No. 16-97



## LAP ROBES

Stitching—Nos. 78-1, 62-53, 62-25, 44-35, 31-15, 3-1  
Binding—Nos. 78-1, 44-72, 44-9, 31-19, 16-141, Binders  
Overedging—Nos. 81-10, 81-5, 75-1

## LAUNDRY HAMPERS

Canvas—No. 11-36

## LAUNDRY NETS

Darning and Patching—No. 45 κ 74

## LAUNDRY TAGS

Stitching—No. 68-35

## LEGAL DOCUMENTS

Stitching—No. 16-81

## LIFE PRESERVERS

Stitching—Nos. 78-1, 42-8, 42-2, 7-48, 7-34, 7-9, 3-1

## MACKINTOSHES AND RUBBER CLOTHING

Stitching—Nos. 62-53, 62-25, 44-37, 44-13, 31-16  
Sewing on Buttons—Nos. 69-15, 68-21  
Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised  
Tacking—Nos. 68-12, 68-11, 68-10, 51-10  
Lap Seam Felling—No.

## MANUSCRIPTS

Stitching—No. 16-81

## MATS

Binding with Cocoa Braid—No. 10-3 with Binder and Special Table

## MATTING

Binding with Rubber—Nos. 78-1, 42-8, 7-9  
Stitching—See Bridgeport Catalogue, Form 1800w, Revised  
“ Nos. 45 κ 37, 45 κ 11, 45 κ 5, 45 κ 1

## MATTRESSES

Stitching—Nos. 147-1, 96-12, 95-10, 95-1, 62-25, 31-19, 31-15  
Binding—Nos. 78-2, 78-1, 62-25, 44-9, 31-19, 31-15, 16-141  
Closing—No. 78-2

## MITTENS (LEATHER)

Stitching—Nos. 81-14, 78-1, 62-41, 17-24  
Stitching and Trimming—Nos. 62-32, 62-31, 56-4, 44-25, 31-38, 17-11

## MITTS (SILK)

Stitching—Nos. 82-11, 82-10, 82-4, 82-3, 25-6, 25-4, 25-2, 25-1, 24-52, 24-37, 24-4  
Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised  
Sewing on Buttons—Nos. 69-6, 68-7



## NECK TIES

Stitching—Nos. 53-1, 52-56, 52-54, 52-53, 44-20, 44-13, 24-52, 24-32, 24-31, 24-26  
Hemming—Nos. 24-32, 24-26

## OIL

Strainers, for Cottonseed—Nos. 122-1, 7-17, 7-16

## OVERALLS

Stitching—Nos. 147-1, 109-206, 109-204, 96-18, 96-16, 96-12, 95-10, 95-1, 78-1, 62-25, 57-4, 31-19, 31-15  
Stitching Two Rows—Nos. 147-20, 86-13, 62-53, 57-2, 31-62  
“ on Paper Tickets—No. 114-22  
Tacking—Nos. 69-11, 68-9, 51-10, 51-9, 51-8, 51-3  
Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised  
Sewing on Buttons—Nos. 114-2, 114-1, 69-5, 68-6  
“ “ Buckles—Nos. 68-22, 68-19

## OVEREDGING AND OVERSEAMING

Machines of Classes 85, 81, 75, 32, Nos. 19-10, 11-26, 11-16

## OVERGAITERS

Stitching—Nos. 62-25, 44-13, 31-15  
Rounding—Nos. 62-53, 44-35 with Tape Guide, 31-52  $\frac{3}{16}$  inch gauge  
Taping Seams—Nos. 62-53, 44-35 with Tape Guide, 31-52  $\frac{1}{8}$  inch gauge  
Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised  
Sewing on Buckles—No. 68-22

## PAMPHLETS

Stitching—Nos. 78-1, 45 κ 50, 16-81, 7-13, 6-9

## PLAITING

Nos. 49 κ 4, 49 κ 3, 49 κ 2, 49 κ 1

## POCKETBOOKS, PURSES, ETC.

Stitching—Nos. 44-30, 44-25, 44-9, 31-19, 18-15, 17-30, 17-16, 17-15  
Overedging—Nos. 18-12, 75-1

## PORTMANTEAUX

Stitching—Nos. 45 κ 67, 45 κ 58, 45 κ 56, 45 κ 53

## PRESS CLOTHS FOR STRAINING OIL FROM COTTON SEED

Stitching—Nos. 122-1, 7-17, 7-16



## REGALIA

Stitching—Nos. 78-1, 62-25, 44-35, 44-13, 31-62, 31-52, 31-15, 24-37, 24-32  
Ornamenting—Nos. 87-1, 68-24, 68-20, 44-62, 44-39, Machines of Class 32,  
Nos. 31-42, 16-97  
Edge Covering—Nos. 81-10, 75-3  
Cording—Nos. 78-1, 62-40, Machines of Class 52 with Multiple Corders, Machines  
of Class 41 with Cording Foot, Machines of Class 37

## REINS (DRIVING)

Stitching (Round)—Nos. 78-1, 44-10, 31-17, Special Fittings

## ROBES (CARRIAGE)

Stitching—Nos. 81-10, 78-1, 75-3, 62-53, 62-25, 44-35, 44-13, 31-52, 31-15, 7-48,  
7-34, 7-9, 3-1

## ROLLS (MUSIC)

Stitching—Nos. 19-10, 17-25, 17-11

## RUFFLING FABRICS

Nos. 62-43, 44-60, 44-22, 31-60, 31-27, 24-29, 24-23

## RUGS (CARRIAGE AND AUTOMOBILE)

Stitching—Nos. 81-12, 81-10, 78-1, 75-3, 62-53, 62-25, 44-35, 44-13, 31-52, 31-15,  
7-48, 7-34, 7-9, 3-1

## SADDLES

Stitching—Nos. 78-1, 45 κ 58, 45 κ 52, 45 κ 42, 43-4, 43-1, 42-7, 17-24, 7-10, 7-9,  
7-1  
Ornamenting—Machines of Class 32

## SAILS

Stitching—Nos. 45 κ 37, 45 κ 11, 45 κ 5, 45 κ 1, 43-5, 42-8, Machines of Class 11,  
Nos. 7-54, 7-48, 7-41, 7-31, 7-29, 7-9, 7-7, 7-5, 7-1  
Stitching, Two Needles—Nos. 7-42, 7-28, 7-27, 7-22  
Grommet Holes—Nos. 11-32, 11-24  
Overseaming—No. 47 κ 5

## SCHOOL BAGS

Stitching—Nos. 78-1, 62-25, 44-13, 31-15, 26-2, 24-53, 24-26

## SHADES

Hemming—Nos. 62-58, 62-25, 32-56, 31-24, 16-188

## SHEETS

Hemming—Nos. 96-12, 95-10, 95-1, 44-13, 31-15



## SHIRTS

- Closing—Nos. 147-1, 96-12, 95-10, 95-1, 62-25, 44-13, 24-53, 16-133, 15-35, 15-31  
Lap Seaming—Nos. 147-20, 86-13, 62-53, 57-2, 44-37, 31-52  
Cording Bosoms—Machines of Classes 52 and 37, Nos. 62-40, 24-36 and 24-8  
with Corders  
Taping Bosoms—Nos. 62-53, 44-37, 31-52 with Tape Guides  
Stitching on Laundry Tags—Nos. 68-35, 68-28  
Two Line Stitching—Nos. 147-20, 86-13  
Stitching—See "Closing"  
Sleeving—Nos. 96-12, 95-10, 95-1, 57-2, 44-37, 44-35, 31-52  
Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised  
Sewing on Buttons—Nos. 125-1, 114-8, 114-7, 114-6, 114-5, 69-6, 68-7  
Eyelets—No. 32-41  
Trimming and Stitching—No. 95-12

## SHOES

- Closing Linings—Nos. 147-1, 62-25, 44-20, 24-32  
For Taping Heel Seams on Linings—No. 52-67  
Top Facing—Nos. 147-1, 96-14, 62-25  
Heel Seaming—No. 32-59  
Closing Button Fly—Nos. 62-50, 24-32, 16-127, 16-30  
Closing On and Undertrimming—Nos. 96-15, 44-27, 44-26, 44-14, 31-41, 31-40,  
31-30, 17-29, 16-196  
Outside Heel Staying—Nos. 44-34, 31-55, 16-127, 16-44  
Back Staying—Nos. 44-82, 31-45  
Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised  
Staying—Nos. 147-21, 62-35, 44-10, 16-27  
" Button Fly—Nos. 62-35, 44-34, 31-55, 24-37, 16-46  
Butting Toe Caps or Box Stitching—Nos. 44-10, 32-26, 16-127  
Tip Stitching—Nos. 62-45, 44-40, 44-34, 16-46, 16-44  
Tongue Stitching in Vamps—No. 31-44  
Closing Heel Seams—Nos. 44-9, 31-19  
Inside Staying—Nos. 62-35, 44-34, 16-46  
Lap Seaming Button Laps—Nos. 62-47  
Vamping—Nos. 18-16, 18-6, 18-5, 18-2  
" , Two Needle—Nos. 62-50, 44-38, 44-34, 31-55, 18-16, 18-5, 16-46, 16-45,  
16-44  
Toe Linings—Nos. 62-25, 44-20, 24-32  
Closing On—No. 44-7  
Sewing on Buttons—Nos. 58-12, 58-11  
Barring and Tacking—Nos. 69-19, 69-16, 69-14, 69-12, 69-9, 69-7, 68-16, 68-14,  
68-11, 51-6, 51-4, 51-3  
Closing Foxings—Nos. 62-50, 24-32  
Staying Foxings—Nos. 62-35, 24-37, 16-127  
Top Stitching—Nos. 44-10, 16-127  
Taping Button Fly—Nos. 95-10, 95-1, 62-27, 62-26, 44-20  
Putting in Gores and Repairing—Nos. 29 κ 31 , 29-4  
Sole Stitching—Nos. 119-3, 45 κ 69  
Eyelet Row Stitching—No. 96-13  
Stitching on Straps—Nos. 119-3



## SKIRTS

- Stitching—Nos. 147-20, 147-1, 96-18, 96-12, 95-10, 95-1, 63-6, 62-25, 53-1, 24-53, 24-37  
Cording—Nos. 62-40, 37-6, 37-2  
Ruffling—Nos. 62-43, 44-60, 44-22, 31-60, 31-27, 24-29, 24-23  
Tucking—Nos. 106-112, 106-110, 106-108, 106-107, 106-105, 106-104, 95-10, 95-1, 52-73 to 52-80, 24-34, 24-14  
Air Tucking—Nos. 62-46, 62-40  
Smocking—No. 68-31  
Knife Plaits—Nos. 31-63, 31-37  
Box Plaits—Nos. 31-63, 31-37, 24-19  
Folding and Crimping Edges—No. 24-17  
Sewing on Straps—Nos. 69-11, 68-9  
“ “ Buttons—Nos. 69-6, 68-7  
“ “ Snap Fasteners—No. 68-27

## SLIPPERS

- Stitching on Insoles—Nos. 64 κ 38

## STAIR PADS

- Quilting—Nos. 78-1, 42-8, 7-48, 7-9  
Stitching—Nos. 78-1, 42-8, 7-9

## STRAPS (FOR BOOT UPPERS)

- No. 45 κ 66

## SUSPENDERS

- Nos. 44-13, 44-10, 32-26, 32-1, 31-17, 16-127

## SWEATERS

- Seaming and Inserting Sleeves—Nos. 81-9, 81-7  
Seam Covering—No.  
Trimming and Stitching—Nos. 105-6, 105-4

## SWEAT LEATHERS (FOR HATS)

- Reeded Edges—Nos. 37-10, 37-3, 32-62, 32-61, 32-25 with Guide  
Stitching In—Nos. 107-1, 46-100, 17-19

## SWORD CASES

- Stitching No. 7-14

## TABLE LINEN

- Stitching—Nos. 147-20, 147-1, 96-18, 96-12, 95-10, 95-1, 62-25, 24-53, 24-37  
Hemming—Nos. 96-12, 95-10, 95-1, 44-20, 44-13 with Hemmers  
Darning—No. 17-28  
Embroidering—No. 16-97

## TARPAULINS

- Stitching—Nos. 78-1, 45 κ 37, 45 κ 11, 45 κ 5, 45 κ 1, 11-34, 11-29, 8-8, 7-54, 7-51, 7-44, 7-42, 7-41, 7-39, 7-38, 7-36, 7-31, 7-29, 7-28, 7-27, 7-22, 7-9  
Grommet Holes—Nos. 11-32, 11-24



## TENTS

Stitching—Nos. 109-206, 109-204, 78-1, 42-8, 31-34, 31-19, 11-34, 11-33, 11-29, 7-54, 7-51, 7-48, 7-44, 7-42, 7-41, 7-39, 7-38, 7-36, 7-31, 7-29, 7-28, 7-27, 7-22, 7-9, 7-7, 7-5

Binding—Nos. 78-1, 42-8, 31-19 with Binders

Grommet Holes—Nos. 11-32, 11-24

## TOE PADS

Stitching—Nos. 7-48, 7-9, 7-5

## TRACES

Stitching—Nos. 45 K 84, 45 K 82, 45 K 80, 7-48

## TRUNK HANDLES

Stitching—Nos. 44-4, 31-38, 10-1, 7-10

## TRUSSES

Stitching—Nos. 44-72, 31-17, 17-24, 17-12

## TUCKING

Plain—Nos. 96-12, 95-10, 95-1, 52-73 to 52-80, 24-34 with Tuckers

Air Tucks—Nos. 62-46, 62-40

## UMBRELLAS

Hemming—Nos. 96-12, 95-10, 95-1, 24-32, 24-26 with Hemmers

Seaming—Nos. 62-25, 53-1, 24-52, 24-39

## UNDERWEAR (LINEN AND COTTON)

Stitching—Nos. 147-1, 96-18, 96-12, 95-10, 95-1, 63-6, 62-25, 44-8, 31-15, 24-53, 15-31

Stitching Two Rows—Nos. 147-20, 62-53, 44-37, 31-62, 31-52, 24-37, 24-4

Hemming—Nos. 96-12, 95-10, 95-1, 24-32, 24-26, 15-31 with Hemmers

Gathering—Nos. 76-1, 24-13

Tucking—Nos. 96-12, 95-10, 95-1, 24-34, 24-14 with Tuckers

“ Multiple—Nos. 52-73 to 52-80

“ Air—Nos. 62-46, 62-40

Cording—Nos. 62-40, 37-6, 37-2

Ruffling—Nos. 62-43, 44-60, 44-22, 31-60, 31-27, 24-29, 24-23

Tacking—Nos. 69-11, 69-8, 68-11, 68-10, 68-9, 51-10, 51-9, 51-3, 32-38

Smocking—No. 68-31

Covering Seams—No. 62-38

Overedging—Nos. 81-2, 81-1, 75-5, 75-1

Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised

Sewing on Buttons—Nos. 114-8, 114-7, 114-6, 114-5, 69-6, 69-5, 68-7, 68-6

“ “ Straps—Nos. 69-11, 68-9, 51-10

Fancy Stitching—Nos. 68-24, 68-20, 32-58, 32-57

Trimming and Stitching—Nos. 95-12, 62-57, 62-56, 44-8

Sleeving—No. 81-2



## UNDERWEAR (KNIT)

- Seaming—Nos. 147-1, 81-20, 81-4, 81-3, 62-56, 62-53, 46 κ 41, 46 κ 40  
Seam Covering—Nos. 86-3, 62-38, 32-1  
Edging—Nos. 81-10, 81-4, 81-3  
Neck Stitching (Back Flap)—No. 62-38  
Button Staying—Nos. 62-28, 52-66, 52-54, 52-52, 44-37, 24-36  
Stitching on Collarettes—Nos. 62-54, 62-28  
    “    “ Laundry Tags—No. 68-35  
    “    “ Reinforcements for Buttons and Buttonholes—No. 68-35  
    “    “ Lace—No. 62-54  
    “    “ Labels—Nos. 114-22, 68-23, 68-18, 62-53, 55-6, 24-4  
    “    “ Straps—Nos. 69-11, 68-9, 51-10  
Covering on Collarettes—No. 62-38  
Facings—Nos. 106-4 with Folders, 52-66, 52-54, 52-52, 44-37, 24-36  
Overedging—Nos. 81-21, 81-20, 81-4, 81-3, 75-1  
Button Sewing—Nos. 114-8, 114-7, 114-6, 114-5, 69-6, 69-5, 68-7, 68-6  
Tacking—Nos. 69-11, 69-8, 68-24, 68-11, 68-10, 68-9, 51-10, 51-9, 51-3  
Eyelets (stitched)—Nos. 32-46, 32-43, 32-29  
Budding—Nos. 68-24, 68-20  
Trimming and Blind Stitch Hemming—Nos. 81-21, 81-6  
Joining Cuffs—No. 62-55  
Trimming and Stitching—Nos. 105-4, 62-57, 62-56  
Ornamenting (Shell Stitch)—No. 85-10

## UPHOLSTERY

- Seaming—Nos. 78-1, 44-13, 44-9, 42-5, 31-19, 31-15, 16-141  
Overedge Stitching—Nos. 81-10, 81-2, 75-3, 75-1  
Stitching—Nos. 45 κ 11, 45 κ 5, 45 κ 1

## VALISES, SUIT CASES

- Stitching—Nos. 78-1, 17-24, 17-19, 17-12, 10-1

## VESTS

- Stitching—Nos. 147-1, 96-12, 95-10, 95-1, 78-1, 44-13, 31-15, 16-133  
Stitching Two Rows—Nos. 147-20, 44-84, 44-35, 31-52  
Buttonholes—See Bridgeport Catalogue, Form 1800w, Revised  
Sewing on Buttons—Nos. 69-5, 68-6  
    “    “ Buckles—No. 68-22  
Tacking—Nos. 69-8, 68-10, 51-10, 51-8, 51-2

## WAISTS (SEE DRESSMAKING)



## WRAPPERS

- Seaming—Nos. 147-1, 96-12, 95-10, 95-1, 63-6, 62-25, 44-13, 31-15, 24-53  
Seaming Two Rows—Nos. 147-20, 62-53, 44-35, 31-62, 31-52, 24-37  
Sleeving—Nos. 81-2, 44-8  
Ornamenting—Nos. 44-62, 44-39, Machines of Class 32  
Ruffling—Nos. 62-43, 44-60, 44-22, 31-60, 31-27, 24-29, 24-23  
Cording and Imitation Cording—Nos. 62-46, 62-40, 37-6, 37-2  
Tucking—Nos. 96-12, 95-10, 95-1, 24-34, 24-14  
Air Tucking—No. 62-46  
Multiple Tucking—Nos. 106-125, 52-73 to 52-80  
Button Sewing—Nos. 114-6, 114-5, 114-2, 114-1, 69-6, 69-5, 68-7, 68-6  
Sewing on Snap Fasteners—No. 68-27  
Trimming and Stitching—Nos. 96-18, 95-12, 44-8

## UPHOLSTERY

## VALISES, SUIT CASES

## VESTS

## WAISTS (SEE DRESSMAKING)



