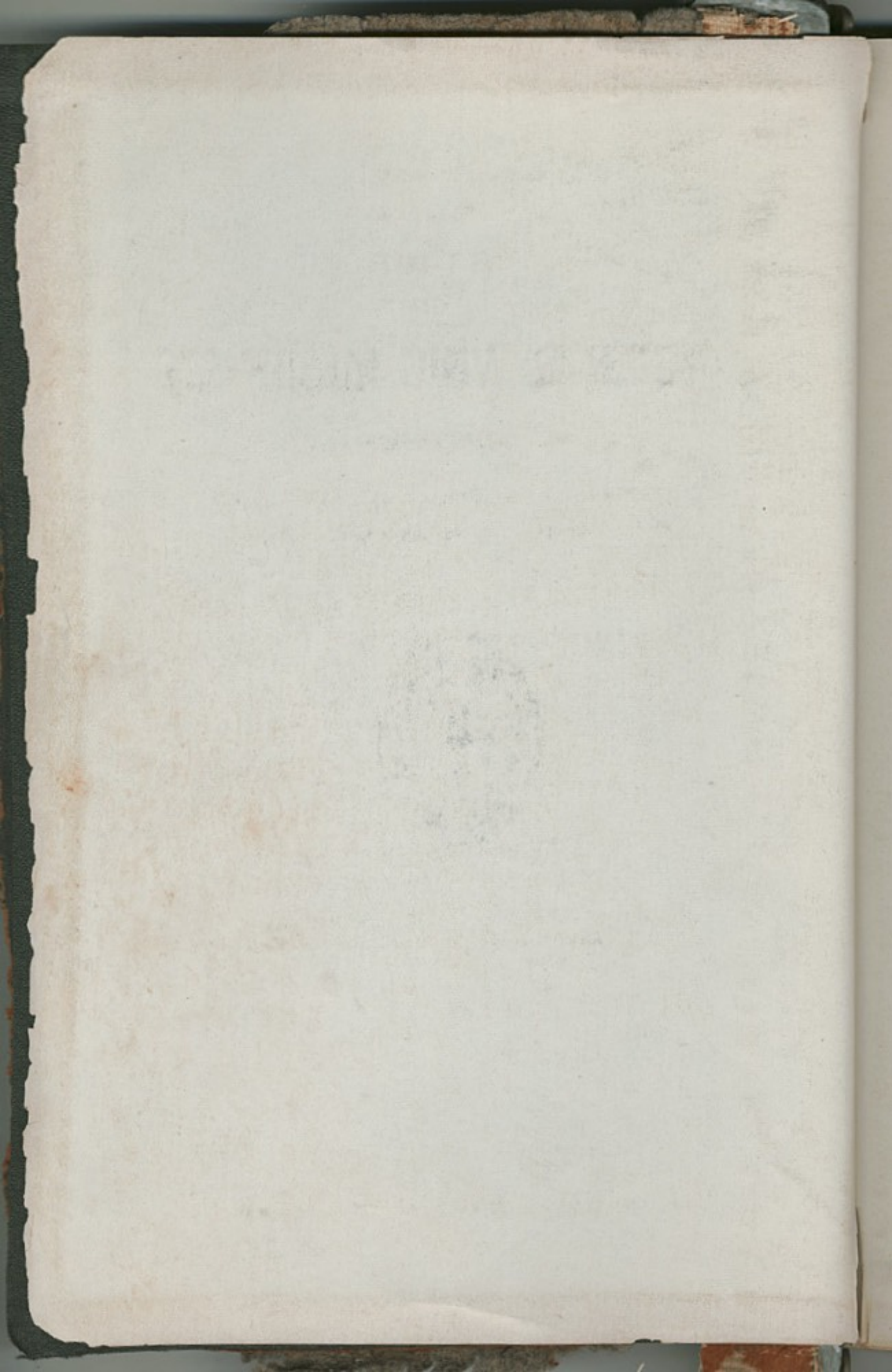


SINGER SEWING MACHINES

ELIZABETHPORT

2/2/14



FORM 7918
DECEMBER, 1912
SUPERSEDES FORM 7818

LIST OF
SINGER SEWING MACHINES
(ELIZABETHPORT)

WITH PRICES, DESCRIPTIONS AND OTHER
INFORMATION IN RELATION TO THEM



SINGER SHOPS EVERYWHERE

THE SINGER MANUFACTURING CO.

SINGER SEWING MACHINES

(EXHIBIT)

WITH PRICES, DESCRIPTIONS AND OTHER
INFORMATION IN REFERENCE TO THEM



SINGER SEWING MACHINES

THE SINGER MANUFACTURING CO.

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, must be ordered separately; 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 CIPHER be careful to write EACH LETTER of the Cipher 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 exceptions to this rule are hinges Nos. 12363 and 37750, of which connection No. 12361 will be shipped with the heads of Machines of Classes 31, 44, 52, 53, 55, 95 and 96, and connection No. 37749 with those of Class 88. Plate No. 12362 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 it 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.

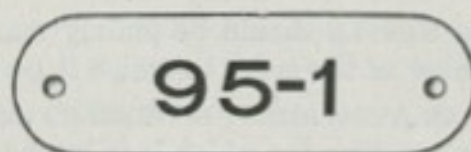
The quality, and weight or thickness of the material to be stitched must also be taken into consideration.

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

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 or 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.

INDEPENDENT UPPER AND LOWER FEEDS

The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal. The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal. The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal.

THE OPERATING PRINCIPLE

The operating principle of the machine is based on the principle of the lever. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal. The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal. The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal.

THE UPPER FEED

The upper feed is controlled by a hand lever. The lever is connected to a series of gears which operate the feed mechanism. The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal. The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal.

THE LOWER FEED

The lower feed is controlled by a foot pedal. The pedal is connected to a series of gears which operate the feed mechanism. The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal. The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal.

THE BELT DRIVE

The belt drive is used to transmit power from the motor to the feed mechanism. The belt is connected to a series of pulleys which operate the feed mechanism. The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal. The machine is designed to feed two different feeds at the same time. The upper feed is controlled by a hand lever, and the lower feed is controlled by a foot pedal.

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TELEGRAPHIC CODE

FOR ORDERING MACHINES

3-1.....EBBAC	9-1.....EBTEW	16-43.....ECRAT	19-4.....EDSAW
3-2.....EBBED		16-44.....ECREV	19-5.....EDSEX
5-3.....EBCAD	10-1.....EBTOZ	16-45.....ECROX	19-8.....EDSIZ
5-5.....EBCIF	10-3.....EBVAW	16-46.....ECRUN	19-9.....EDSUB
5-7.....EBCOG		16-47.....ECSAV	19-10.....EDSYC
5-10.....EBCYJ	11-8.....EBVUB	16-48.....ECSEW	19-11.....EDTAX
5-11.....EBDEF	11-11.....EBZIC	16-71.....ECSIX	19-12.....EDTEZ
	11-12.....EBZOD	16-72.....ECSOL	19-13.....EDTOB
	11-13.....ECBAD	16-76.....ECTYL	19-14.....EDTUC
	11-14.....ECBIF	16-81.....ECTUB	19-15.....EDTYD
	11-15.....ECBOG	16-84.....ECVYN	
6-1.....EBFAF	11-16.....ECBUH	16-85.....ECVOB	19-17.....EDVAZ
6-2.....EBFEG	11-17.....ECBYJ	16-87.....ECVYD	
6-3.....EBFOJ	11-18.....ECCEF	16-88.....ECZAB	
6-4.....EBFUH	11-19.....ECCIG		
6-5.....EBFYL	11-20.....ECCOH	16-90.....ECZID	24-4.....EFJAN
6-6.....EBGAH	11-21.....ECCUJ	16-91.....EDBEF	24-6.....EFJIP
6-7.....EBGEJ	11-22.....ECCYK	16-95.....EDBUJ	24-7.....EFJOR
6-8.....EBGIK	11-23.....ECDAF	16-96.....EDBYK	24-8.....EFJUS
6-9.....EBGOL	11-24.....ECDEG	16-97.....EDCAF	24-13.....EFJYT
6-10.....EBGUM	11-25.....ECDOJ		24-14.....EFKEP
6-11.....EBGYN	11-26.....ECDUK		24-17.....EFKIR
6-12.....EBHAJ		17-1.....EDCUK	24-19.....EFKOS
6-14.....EBHEK	14 x 1.....ABSET	17-2.....EDCYL	24-21.....EFKUT
6-15.....EBHIL	14 x 2.....ABSIV	17-3.....EDDAG	24-23.....EFKYV
	14 x 3.....ABSOW	17-5.....EDDIJ	24-26.....EFLER
7-1.....EBJIM	14 x 4.....ABSYZ	17-6.....EDDOK	24-29.....EFLOT
7-2.....EBJON		17-7.....EDDUL	24-31.....EFMAR
7-3.....EBJYP		17-8.....EDDYM	24-32.....EFMES
7-5.....EBKAL	15-22.....ECFUL		24-33.....EFMIT
7-6.....EBKEM	15-23.....ECFYM	17-11.....EDFIK	24-34.....EFMOV
7-7.....EBKIN	15-24.....ECGAJ	17-12.....EDFOL	24-36.....EFNAS
7-9.....EBKUP	15-28.....ECGUN	17-15.....EDGAK	24-37.....EFNET
7-10.....EBKYR	15-30.....ECHEL	17-16.....EDGEL	24-38.....EFNIV
7-11.....EBLAM	15-31.....ECHIM	17-17.....EDGIM	24-39.....EFNOW
7-13.....EBLEN	15-32.....ECHON	17-18.....EDGON	
7-14.....EBLOP	15-33.....ECHYP	17-19.....EDGYP	
7-16.....EBLYS	15-34.....ECJAL	17-20.....EDHAL	
7-17.....EBMAN	15-35.....ECJEM	17-21.....EDHEM	
7-18.....EBMIP	15-36.....ECJIN	17-22.....EDHIN	24-50.....EFRUB
7-20.....EBMUS	15-39.....ECKAM	17-23.....EDHUP	24-51.....EFRYC
7-22.....EBNEP	15-40.....ECKEN	17-24.....EDHYR	24-52.....EFSAX
7-26.....EBNYV	15-41.....ECKOP	17-25.....EDJAM	24-53.....EFSEZ
7-27.....EBPAR	15-42.....ECKUR	17-28.....EDJUR	24-54.....EFSOB
7-28.....EBPES	15-43.....ECKYS	17-29.....EDJYS	24-55.....EFSUC
7-29.....EBPIT			
7-30.....EBPOV	15-50.....ECLOR		
7-31.....EBPYX			
7-32.....EBRAS	16-26.....ECLYT	18-1.....EDLOS	
7-33.....EBMOR	16-27.....ECMEP	18-2.....EDLUT	
7-34.....EBMYT	16-28.....ECMIR	18-3.....EDLYV	
7-35.....EBNIR		18-5.....EDMER	
7-36.....EBNUT	16-30.....ECMUT	18-6.....EDMIS	
7-37.....EBRET		18-7.....EDMOT	
7-38.....EBRIV	16-32.....ECNAP	18-15.....EDPEV	25-1.....EFTYE
7-39.....EBROW		18-16.....EDPOX	25-2.....EFVEB
	16-34.....ECNIS	18-17.....EDPUZ	25-3.....EFVIC
	16-35.....ECNOT	18-18.....EDRAV	25-4.....EFVOD
	16-36.....ECNUV		25-6.....EFZAD
	16-37.....ECPAS		
8-2.....EBRYZ	16-40.....ECPOW		
8-3.....EBSAT	16-41.....ECPUX		
8-4.....EBSEV	16-42.....ECPYZ		

TELEGRAPHIC CODE

25-52.....EGBUL	32-1.....EHBAH	44-61.....EKFYT
25-54.....EGCAH	32-2.....EHBEJ	44-62.....EKGAP
	32-3.....EHBIK	
	32-4.....EHBOL	41-3.....EHZEG
	32-5.....EHBUM	41-4.....EHZOJ
	32-6.....EHBYN	41-5.....EJBAJ
26-1.....EGDIL	32-7.....EHCAJ	41-6.....EJBEL
26-2.....EGDOM	32-8.....EHCEK	41-7.....EJBIL
	32-9.....EHCIL	41-8.....EJBOM
	32-10.....EHCOM	41-9.....EJBUN
	32-11.....EHCUN	41-10.....EJCAK
27-4.....EGFAK	32-12.....EHDAL	41-11.....EJCEL
	32-13.....EHDEL	41-12.....EJCIM
	32-14.....EHDIM	41-13.....EJCON
28-3.....EGFYP	32-15.....EHDON	41-14.....EJDAL
28-4.....EGGAM	32-16.....EHDYP	41-15.....EJDEM
	32-17.....EHFAL	41-16.....EJDIN
	32-18.....EHFEM	41-17.....EJDUP
29-4.....EGGYS	32-19.....EHFIN	41-19.....EJFAM
	32-20.....EHFUP	41-20.....EJFEN
	32-21.....EHGAN	
31-15.....EGHOR	32-22.....EHGIP	42-1.....EJHAP
31-16.....EGHUS	32-23.....EHGOR	42-2.....EJHER
31-17.....EGHYT	32-24.....EHGUS	42-3.....EJHIS
31-18.....EGJEP	32-25.....EHGYT	42-4.....EJHOT
31-19.....EGJIR	32-26.....EHHEP	42-5.....EJHUV
31-20.....EGJOS	32-29.....EHHIR	42-6.....EJKAS
31-21.....EGJUT	32-30.....EHHOS	42-7.....EJKET
31-22.....EGKAP	32-31.....EHHUT	42-8.....EJKIV
31-24.....EGKER	32-34.....EHJAP	
31-27.....EGKIS	32-38.....EHJER	
31-28.....EGKOT		
31-29.....EGKUV		43-1.....EJLOX
31-30.....EGLAR		43-2.....EJLUZ
31-31.....EGLES		43-3.....EJMAV
31-32.....EGLIT		43-4.....EJMEW
31-34.....EGLOV	32-41.....EHJIS	43-5.....EJMIK
31-35.....EGLYX	32-42.....EHJOT	43-6.....EJMOZ
31-36.....EGMAS	32-43.....EHKAR	
31-37.....EGMET	32-44.....EHKES	
31-38.....EGMIV	32-45.....EHKIT	
31-39.....EGMOW	32-46.....EHKOV	
31-40.....EGMUX	32-47.....EHKYX	
31-41.....EGMYZ	32-48.....EHLAS	44-3.....EJPOC
31-42.....EGNAT	32-49.....EHLET	44-4.....EJPUD
31-43.....EGNEV	32-51.....EHLIV	44-7.....EJROD
	32-52.....EHLW	44-8.....EJSAB
	32-53.....EHLUX	44-9.....EJSEC
	32-54.....EHMAT	44-10.....EJSID
	32-56.....EHMEV	44-11.....EJSUF
	32-57.....EHMOX	44-12.....EJTAC
	32-58.....EHMUZ	44-13.....EJTED
	32-59.....EHNAV	44-14.....EJTOF
	32-61.....EHNIX	44-15.....EJTUG
	32-62.....EHNOZ	44-17.....EJZOK
		44-18.....EKBAL
31-52.....EGPUB		44-19.....EKBEL
31-53.....EGPYC		44-20.....EKBIM
31-54.....EGRAX		44-22.....EKBON
31-55.....EGREZ		44-24.....EKBYP
31-60.....EGSOC		44-25.....EKCAL
31-62.....EGTEB		44-26.....EKCEM
31-63.....EGTIC		44-27.....EKCIN
31-64.....EGTOD		44-28.....EKCUP
	37-2.....EHRUD	44-29.....EKCYR
	37-3.....EHSEB	44-30.....EKDAM
	37-4.....EHSIC	44-34.....EKDOP
	37-5.....EHSOD	44-35.....EKDUR
	37-6.....EHTAB	44-36.....EKDYS
	37-8.....EHTEC	44-37.....EKFAN
	37-9.....EHTID	44-38.....EKFIP
	37-10.....EHTUF	44-39.....EKFOR
		44-60.....EKFUS
		44-71.....EKGER
		44-72.....EKGIS
		44-74.....EKQUV
		44-75.....EKHAR
		44-76.....EKHES
		45 x 48.....ADRAT
		45 x 49.....ADRYN
		46 x 1.....AFCEG
		46 x 2.....AFEIH
		46 x 15.....AFCOJ
		46 x 25.....AFDEH
		46 x 26.....AFDIJ
		46 x 27.....AFDOK
		46 x 28.....AFDUL
		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
		51-15.....EKLW
		51-16.....EKLIX
		52-2.....EKMUB
		52-3.....EKMYC
		52-4.....EKNAX
		52-5.....EKNEZ
		52-6.....EKNOB
		52-7.....EKNUC
		52-8.....EKNYD
		52-9.....EKPEB

TELEGRAPHIC CODE

52-10.....EKPIC
52-11.....EKPOD
52-12.....EKPYI
52-13.....EKRAE
52-14.....EKREB
52-15.....EKRID
52-16.....EKRUFL
52-17.....EKSAC
52-18.....EKSED
52-19.....EKSOFL
52-20.....EKSUG
52-21.....EKTAD
52-22.....EKTIF
52-30.....EKVEFL
52-31.....EKVIG
52-32.....EKVOH

62-31.....ELPAB
62-32.....ELPEC

62-35.....ELPUF
62-36.....ELRAC
62-37.....ELRED
62-38.....ELROF
62-39.....ELRUG
62-40.....ELSad
62-41.....ELSIF
62-42.....ELSoG
62-43.....ELsUH
62-44.....ELTEF
62-45.....ELTIG
62-46.....ELTOH
62-47.....ELTUJ
62-48.....ELTYK
62-49.....ELVAF
62-50.....ELVEG

69-5.....EMLEZ
69-6.....EMLOB
69-7.....EMLUC
69-8.....EMLYD
69-9.....EMMAZ
69-10.....EMMIB
69-11.....EMMOC
69-12.....EMMUD
69-13.....EMNEB
69-14.....EMNIC
69-15.....EMNOD
69-16.....EMPAC

82-10.....ENSHI
82-11.....ENSKO

85-1.....EPFAS
85-2.....EPFET

53-1.....ELBAL
53-2.....ELBEM
53-3.....ELBIN

55-1.....ELCAM
55-3.....ELCOP
55-4.....ELCUR
55-11.....ELDAN
55-12.....ELDIP

63-4.....EMBEN
63-5.....EMBOP
63-6.....EMBUR

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75-1.....ENCOS
75-3.....ENCUT
75-4.....ENDAP
75-5.....ENDER
75-6.....ENDIS
75-7.....ENDOT

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56-1.....ELDOR
56-2.....ELDUS
56-3.....ELDYT
56-4.....ELFEP
56-11.....ELFIR
56-13.....ELFOS

66-1.....EMCAN
66-3.....EMCIP
67-1.....EMCOR

76-1.....ENFIT
77-2.....ENFOV

57-1.....ELGYX
57-2.....ELHAS
57-3.....ELHET
57-4.....ELHIV
57-14.....ELHOW

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68-1.....EMCYT
68-4.....EMDEP
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
68-17.....EMGET
68-18.....EMGIV
68-19.....EMGOW
68-20.....EMGUX
68-21.....EMGYZ
68-22.....EMHAT
68-23.....EMHEV
68-24.....EMHOX
68-25.....EMHUZ
68-26.....ENJAV

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78-1.....ENGEN

81-1.....ENKEZ
81-2.....ENKFA
81-3.....ENKLE
81-4.....ENKYD
81-5.....ENLAZ
81-6.....ENLER

58-1.....ELJUZ
58-2.....ELKAV
58-3.....ELKEW
58-5.....ELKOZ
58-9.....ELLAW

59-1 ELKYB

62-25 ELMUC
62-26 ELNAZ
62-27 ELMYD
62-28 ELNIB

81-10.....ENNIL
81-11.....ENNKO
81-12.....ENNLY
81-13.....ENNOP
81-14.....ENNGE

87-1.....EPNED

87-6.....EPPIG
87-6 with Diehl Elec-
tric Motor No. 219
for direct current.
EPPAN
87-6 with Diehl Elec-
tric Motor No. 0219
for alternating cur-
rentEPPOH

87-16....EPPUJ
87-16 with Diehl
Electric Motor No
219 for direct cur-
rent.....EPPVU
87-16 with Diehl
Electric Motor No.
0219 for alternating
current...EPPWE

82-3.....ENOSO
82-4.....ENOAR

TELEGRAPHIC CODE

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

88-4.....EPRUK
88-5.....EPRYL
88-6.....EPSAG

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

92-1.....EPTIK
92-2.....EPTOL

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

95-1.....ERFOX
95-2.....ERFUZ

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.

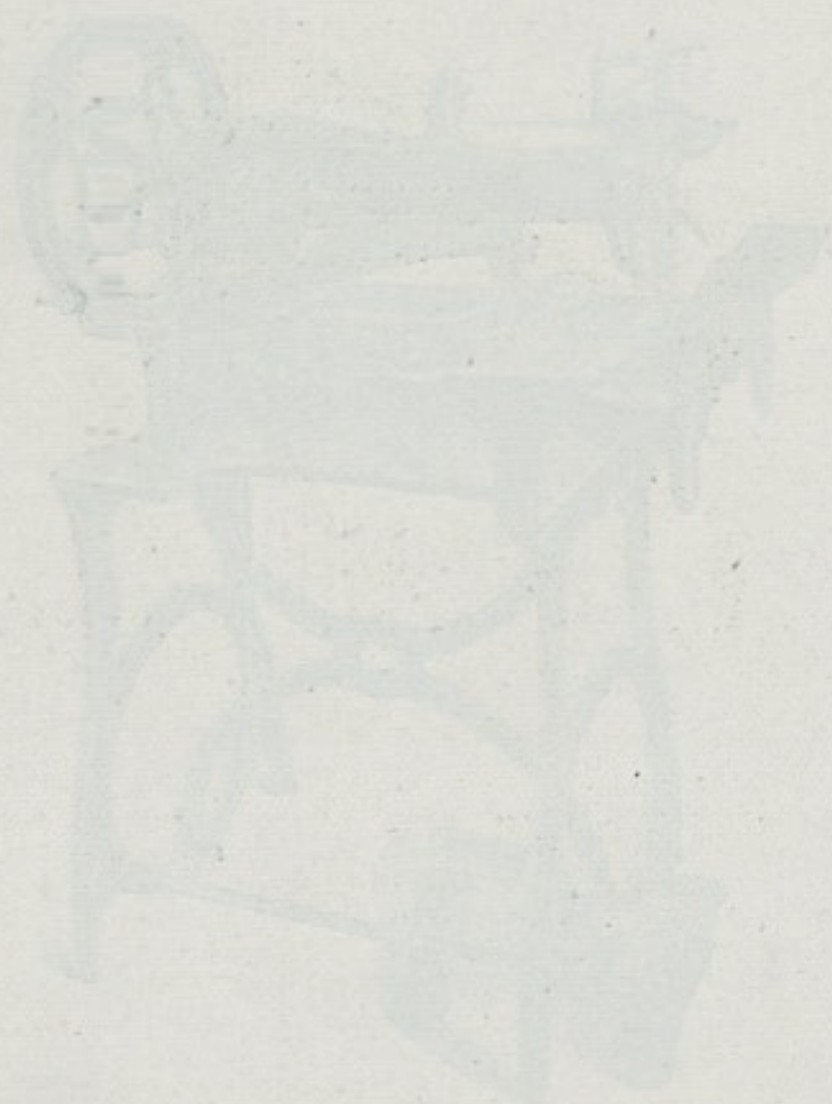


MACHINE NO. 3-1

NO.	DESCRIPTION	PRICE
3-1	FOR STITCHING IN ENAMELLED 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, wheel feed, vibrating presser and stand No. 9466 Speed 700. Cipher, EBBAC. See Form 9001.	\$ 58 00
3-2	FOR LIGHT HARNESS AND OTHER STITCHING IN LEATHER. Attachments can be furnished for binding with leather strips on gig saddles, cap fronts, etc; also for making piping, with or without reeds. Has large reciprocating shuttle, wheel feed, roller presser and stand No. 9466 Speed 700. Cipher, EBBED. See Form 9001.	53 00

MACHINES OF CLASS 2

For the purpose of this classification, the term "machine" is defined as a device which is used to perform a mechanical operation, and which is capable of being operated by hand or by power.



Machine for pressing

Fig. 1

Fig. 2

The machine is shown in two views, Fig. 1 and Fig. 2. Fig. 1 is a side view of the machine, showing the flywheel and the frame. Fig. 2 is a top view of the machine, showing the shaft and the gears. The machine is designed to be operated by hand or by power.

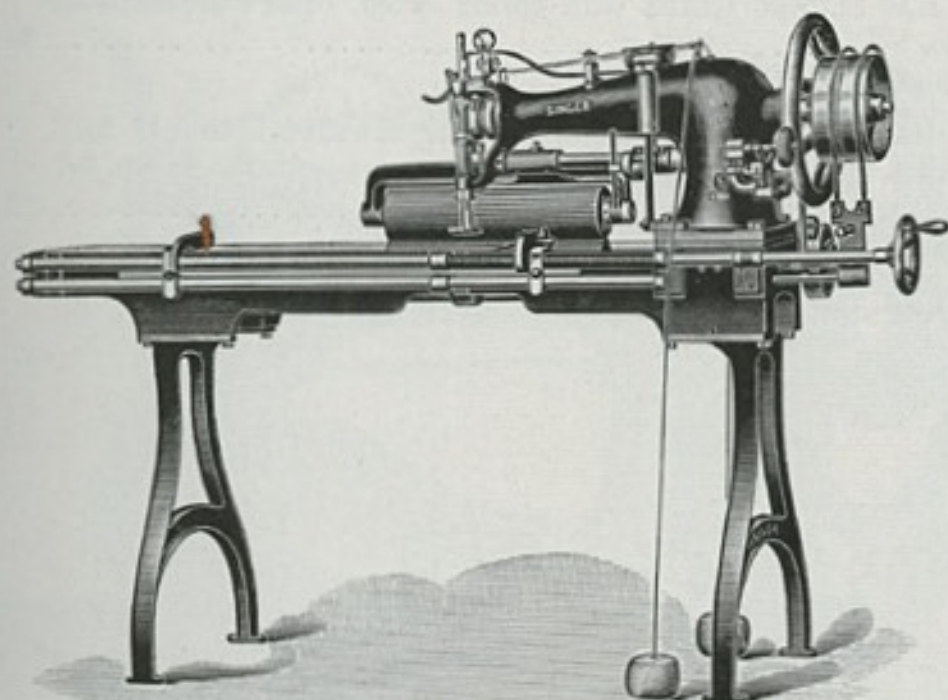
Fig. 3

Fig. 4

The machine is shown in two views, Fig. 3 and Fig. 4. Fig. 3 is a side view of the machine, showing the flywheel and the frame. Fig. 4 is a top view of the machine, showing the shaft and the gears. The machine is designed to be operated by hand or by power.

MACHINES OF CLASS 5

For stitching canvas or rubber belts up to 34 inches in width and $\frac{5}{16}$ 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 $\frac{3}{16}$ 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 flat presser foot, but a roller presser will be substituted if specified on the order. See Form 9002.

These machines will be fitted with No. 14 Needles unless otherwise ordered.

NO.	DESCRIPTION	PRICE
5-3	HAS SCREW GUIDE, cylinder shuttle..... Speed 300. Cipher, EBCAD.	\$275 00
5-5	HAS TWO NEEDLES, and two box shuttles, $\frac{1}{2}$ to $1\frac{5}{16}$ inch gauge; screw guide..... Speed 250. Cipher, EBCIF.	350 00
5-7	HAS TWO NEEDLES, and two cylinder shuttles, 1 to $1\frac{1}{2}$ inch gauge; screw guide..... Speed 250. Cipher, EBCOG.	350 00

MACHINES OF CLASS 5

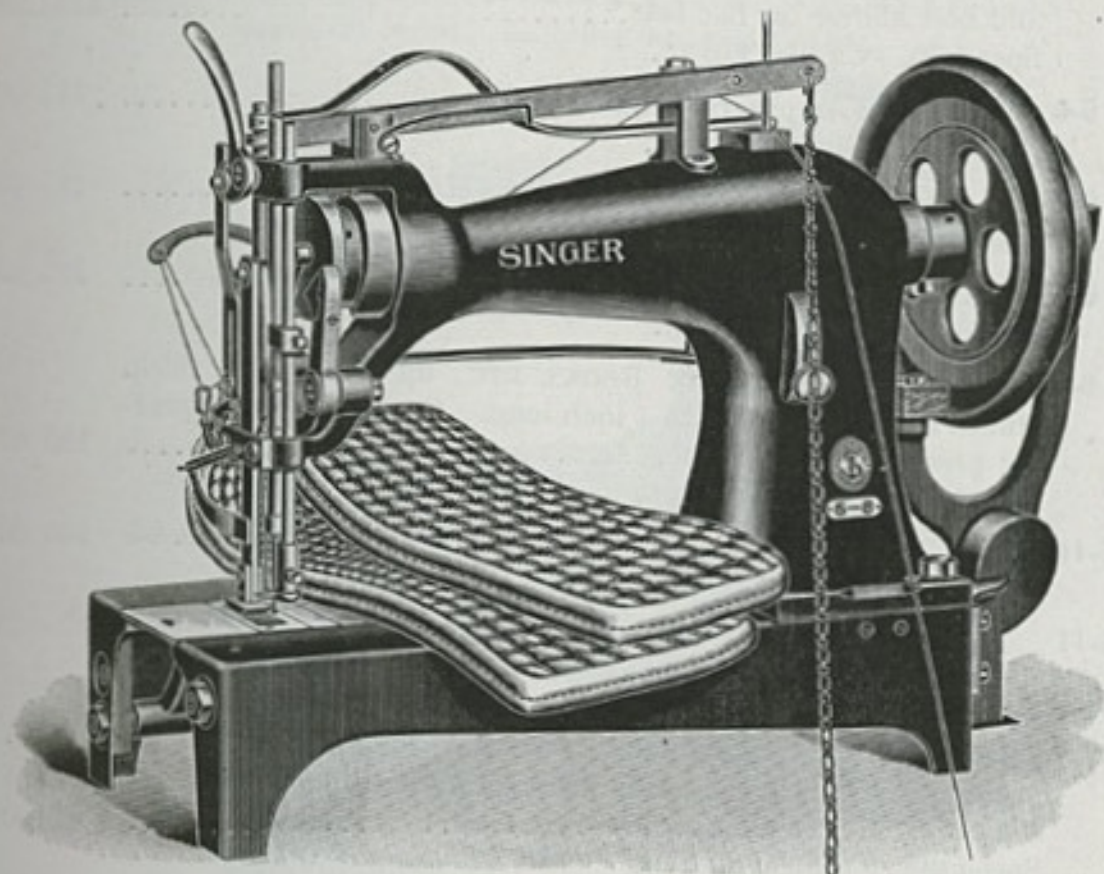
These machines will be fitted with No. 14 Needles unless otherwise ordered.

NO.	DESCRIPTION	PRICE
5-10	HAS SLIDING GUIDE with spring catch, otherwise same as No. 5-3..... Speed 300. Cipher, EBCYJ.	\$250 00
5-11	HAS TWO NEEDLES, two cylinder shuttles, 1 to 1½ inch gauge, and sliding guide with spring catch (same as No. 5-7 except guide fastener)..... Speed 250. Cipher, EBDEF.	350 00

NOTE: Orders for Machine No. 5-11 should state whether No. 12 or No. 14 Needles are to be used.

MACHINES OF CLASS 6

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



MACHINE No. 6-8

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 center of the thickness of the goods by the combined pull of the shuttle and the take-up, after the needle has risen. Machines Nos. 6-1 to 6-4 are regularly furnished with a flat presser; roller presser will be furnished if specified on order. See Form 9003.

NO.	DESCRIPTION	PRICE
6-1	FOR CLOTH OR LEATHER UP TO $\frac{3}{4}$ INCH THICK, HARNESS, FLAT BELTING, ETC. Has ratchet wheel feed, roller or flat presser and belt shifter for flat belt Speed 250. Cipher, EBFAF.	\$125 00
6-2	HAS S. D. A., otherwise same as No. 6-1..... Speed 250. Cipher, EBFEG.	125 00
6-3	HAS DROP FEED, otherwise same as No. 6-1..... Speed 250. Cipher, EBFOJ.	125 00
6-4	HAS DROP FEED AND S. D. A., otherwise same as No. 6-2.... Speed 250 Cipher, EBFUH.	125 00

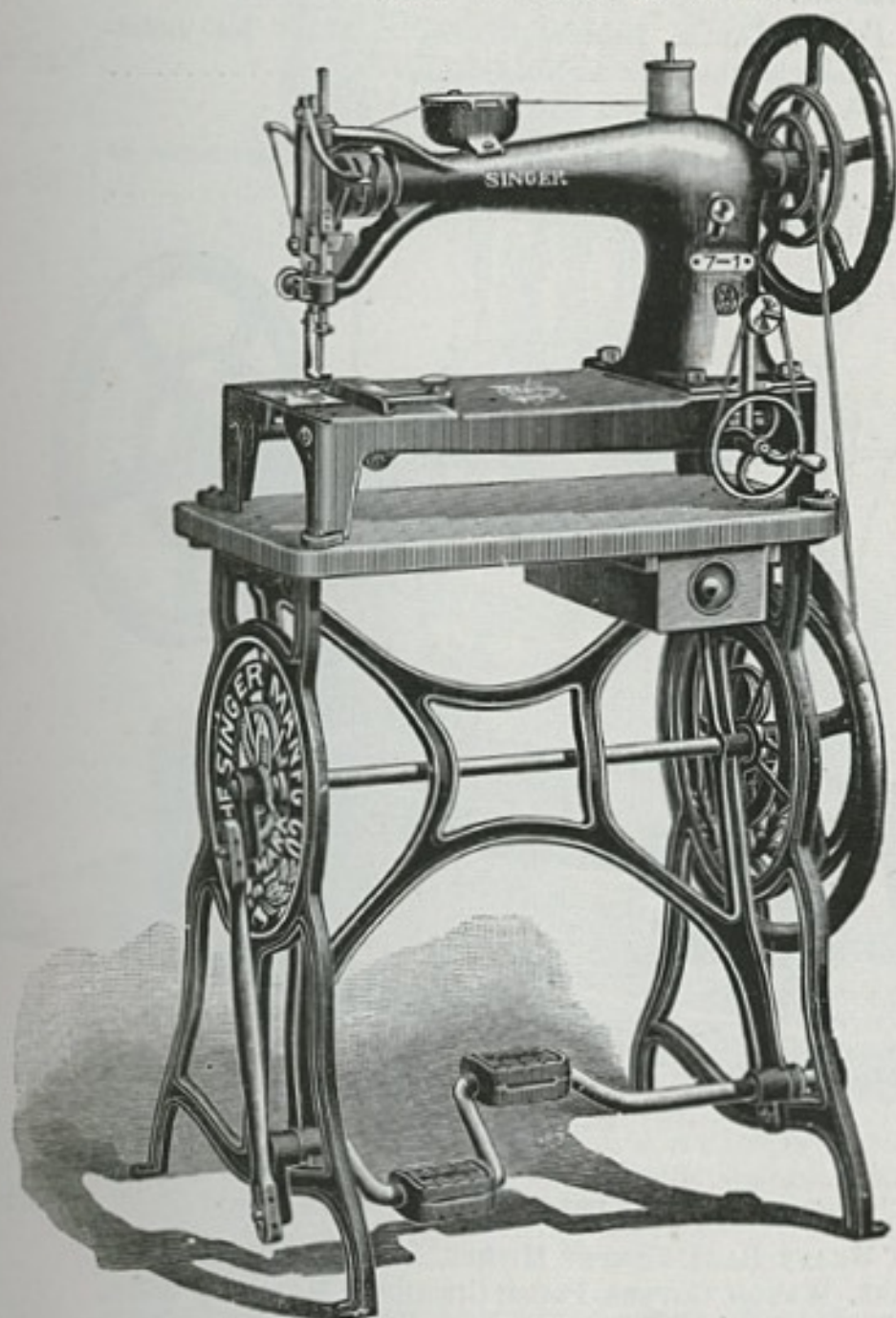
MACHINES OF CLASS 6

NO.	DESCRIPTION	PRICE
6-5	FOR QUILTING SWEAT PADS up to 1½ inch thick. Has ratchet wheel feed, vibrating and assisting pressers, foot lifter and belt shifter for flat belt..... Speed 80. Cipher, EBFYL.	\$175 00
6-6	HAS S. D. A., otherwise same as No. 6-5..... Speed 80. Cipher, EBGAL.	175 00
6-7	HAS DROP FEED, otherwise same as No. 6-5..... Speed 80. Cipher, EBGEJ.	175 00
6-8	HAS DROP FEED AND S. D. A., otherwise same as No. 6-5.... Speed 80. Cipher, EBGIL.	175 00
6-9	FOR STITCHING BLANK BOOKS, ETC., up to ¾ inch thick. Makes stitches from ¼ to 1 inch long. Has drop feed, vibrating presser and S. D. A. Speed 200. Cipher, EBGOL.	130 00
6-10	HAS BELT SHIFTER FOR FLAT BELT, otherwise same as No. 6-9 Speed 200. Cipher, EBGUM.	130 00
6-11	FOR STITCHING BUFF WHEELS FOR POLISHING. Makes circular rows of stitches ⅝ 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 drop feed, vibrating presser and S. D. A. Speed 200. Cipher, EBGYN.	140 00
6-12	HAS BELT SHIFTER FOR FLAT BELT, otherwise same as No. 6-11 Speed 200. Cipher, EBHAJ.	140 00
6-14	FOR BUFF WHEELS up to ⅝ inch thick and 18 inches diameter. Makes circular rows of stitching from ⅝ to ½ inch between the lines of stitching as ordered, and automatically changes from one finished line of stitching to the other, the buff being completely stitched before stopping the machine. Drop feed. vibrating presser and S. D. A. Speed 200. Cipher, EBHEK. See also Machine No. 7-32.	180 00
6-15	HAS BELT SHIFTER FOR FLAT BELT, otherwise same as No. 6-14..... Speed 200. Cipher, EBHIL.	180 00

MACHINES OF CLASS 7

ONE NEEDLE, ONE SHUTTLE

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.

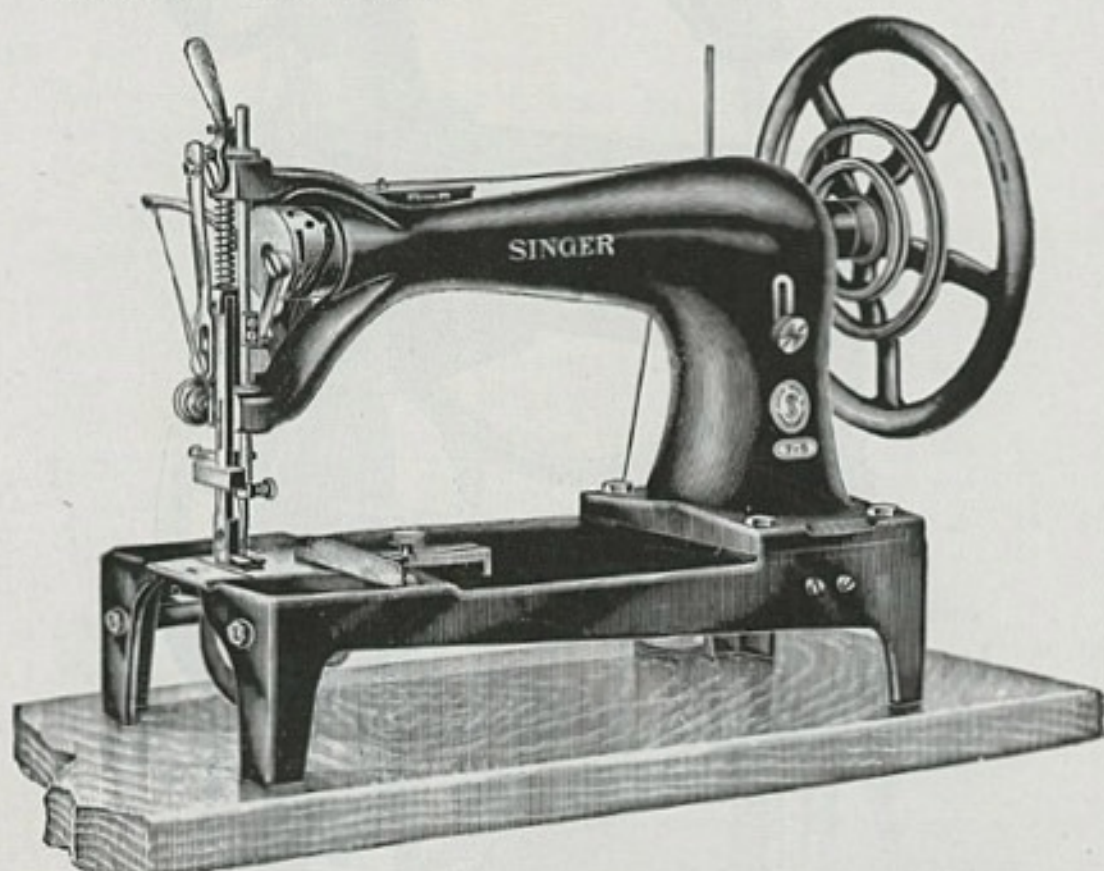


MACHINE No. 7-1 ON TABLE No. 5201 AND STAND No. 25207

Machines Nos. 7-1 and 7-5 are fitted for the foot power stand only. Nos. 7-9 7-10, 7-14, 7-16, 7-30, 7-31, 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. See Forms 9004, 9005 and 9006.

MACHINES OF CLASS 7

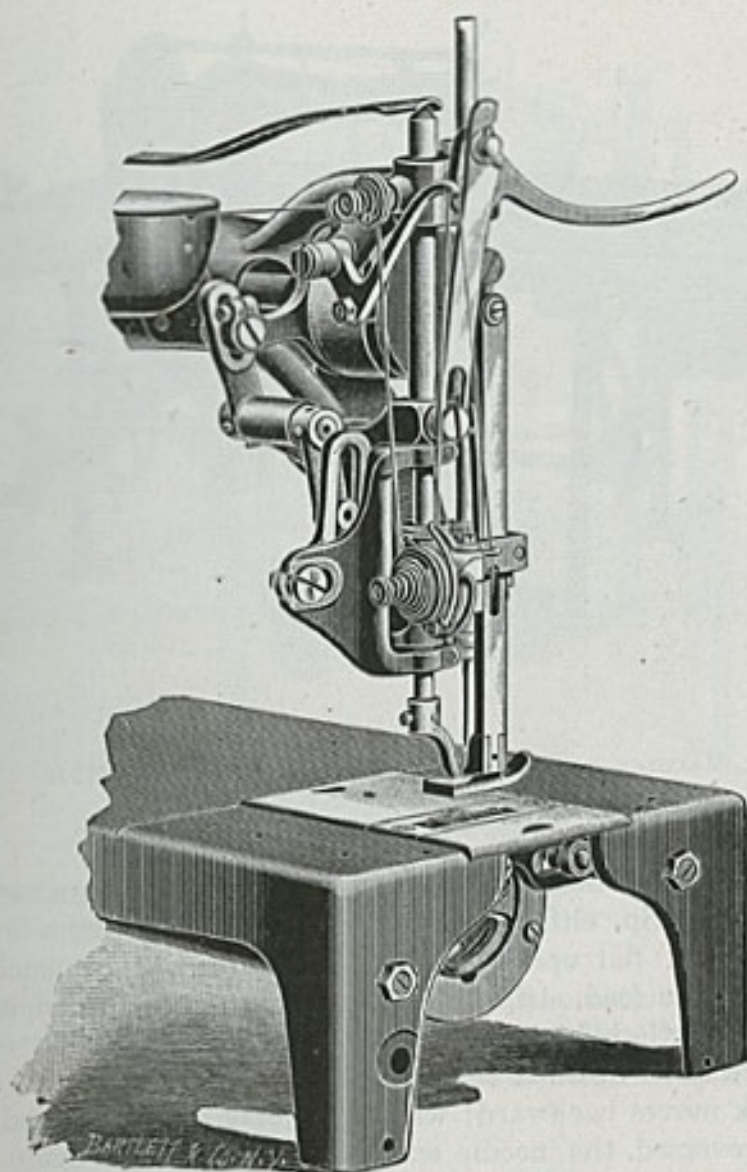
NO.	DESCRIPTION	PRICE
7-1	FOR PLAIN STITCHING, CARRIAGE TRIMMING, CUSHIONS, SAILS, TENTS, ETC. For foot power on stand; stitch $\frac{3}{32}$ to $\frac{1}{2}$ inch long, drop feed.....	\$ 85 00
	Cipher, EBJIM.	
7-2	FOR POWER TABLE. Balance wheel No. 11356 for under-driver, otherwise the same as No. 7-1	85 00
	Speed 700. Cipher, EBJON.	
7-3	FOR POWER TABLE. Has S. D. A., otherwise the same as No. 7-1.....	90 00
	Speed 700. Cipher, EBJYP.	



MACHINE No. 7-5

NO.	DESCRIPTION	PRICE
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 drop feed, vibrating presser foot, and balance wheel for foot power stand.	\$ 90 00
	Cipher, EBKAL.	
7-6	FOR POWER TABLE. Balance wheel No. 11356 for under-driver, otherwise the same as No. 7-5	90 00
	Speed 500. Cipher, EBKEM.	
7-7	FOR POWER TABLE. Has S. D. A., otherwise the same as No. 7-5.....	95 00
	Speed 500. Cipher, EBKIN.	

MACHINES OF CLASS 7



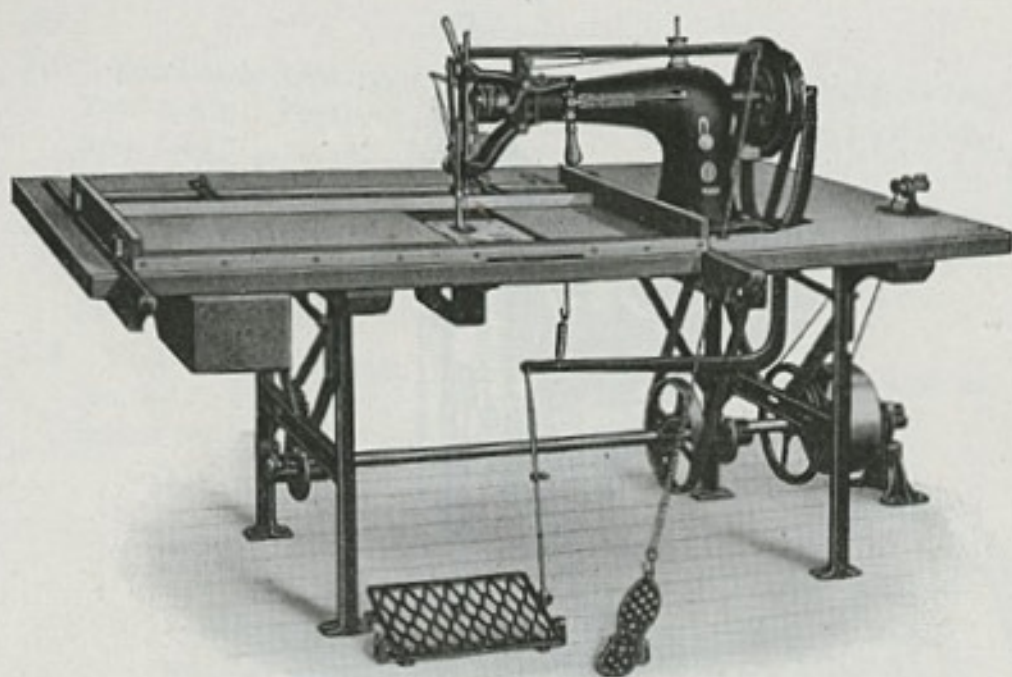
MACHINE NO. 7-9

NO.	DESCRIPTION	PRICE
7-9	FOR AWNINGS, INCLUDING BINDING, MAIL BAGS, RUGS, ROBES, CANVAS COVERS, HORSE COLLARS, TRACES, HASSOCKS, LIFE PRESERVERS, SAILS, STAIR PADS, TENTS, TOE PADS, ETC. Stitch $\frac{3}{32}$ to $\frac{1}{16}$ inch long. Has drop feed, alternating pressers and S. D. A. Can be fitted for foot power stand if so ordered.... Speed 650. Cipher, EBKUP. See Machine No. 7-34.	\$100 00
7-10	FOR EITHER CLOTH OR LEATHER, especially light harness, as ordered. Drop feed. The presser foot is quickly adjustable from vibrating to stationary, or vice versa. Parts and attachments can be furnished at an additional charge for binding, folding and other operations in saddlery, harness, etc. Stitch $\frac{3}{32}$ to $\frac{1}{16}$ inch long. See Parts Nos. 11576, 19656, 19658, 19659, 19660 and 19661..... Speed 500. Cipher, EBKYR.	110 00

NOTE. Machine No. 7-10 is regularly fitted with balance wheel No. 11356 for underdriver, but can be fitted with balance wheel No. 11358 for foot power stand if so ordered.

NOTE. See also Machine No. 78-1.

MACHINES OF CLASS 7

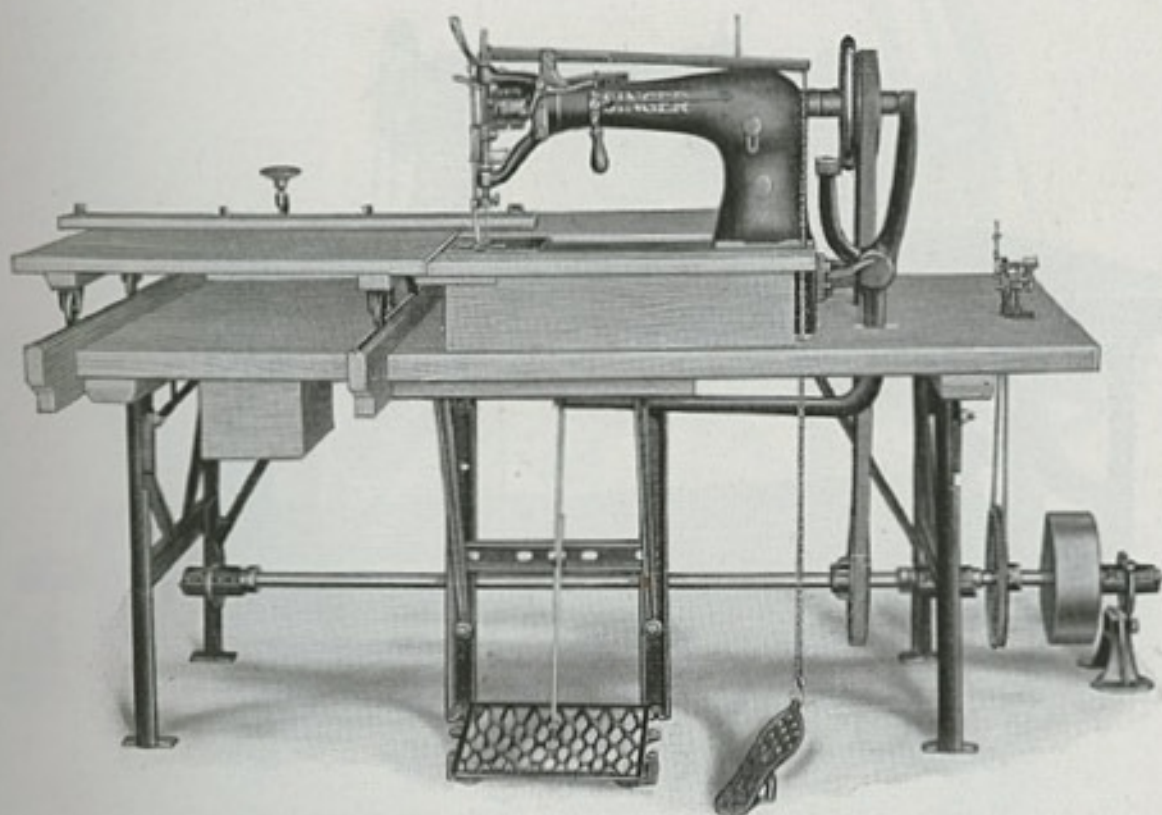


MACHINE NO. 7-11 ON TABLE 5280 AND STAND NO. 27246

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. Drop feed. The machine has reversible feed, strip guides for style of strip to be used, and makes stitch $\frac{1}{4}$ 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.</p> <p>Speed 100. Cipher, EBLAM.</p>	\$110 00

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. The table and stand are not included in the price of machine.

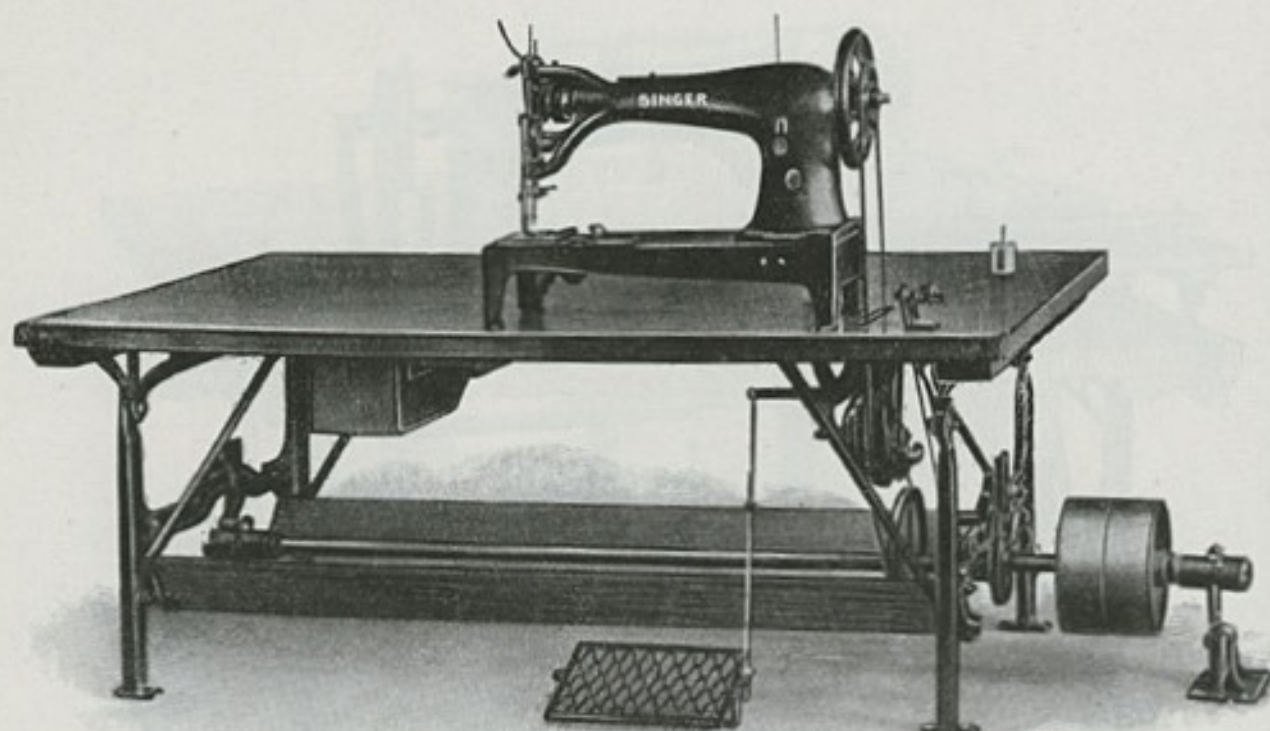
MACHINES OF CLASS 7



MACHINE No. 7-11 on TABLE No. 5270 and IRON WORK No. 27138

NO.	DESCRIPTION	PRICE
7-13	FOR STITCHING PAMPHLETS as thick as the needle will penetrate or about $\frac{3}{8}$ inch in soft paper. Makes stitch from $\frac{1}{4}$ to 1 inch long. Has drop feed, vibrating presser and S. D. A... Speed 100. Cipher, EBLEN.	\$105 00

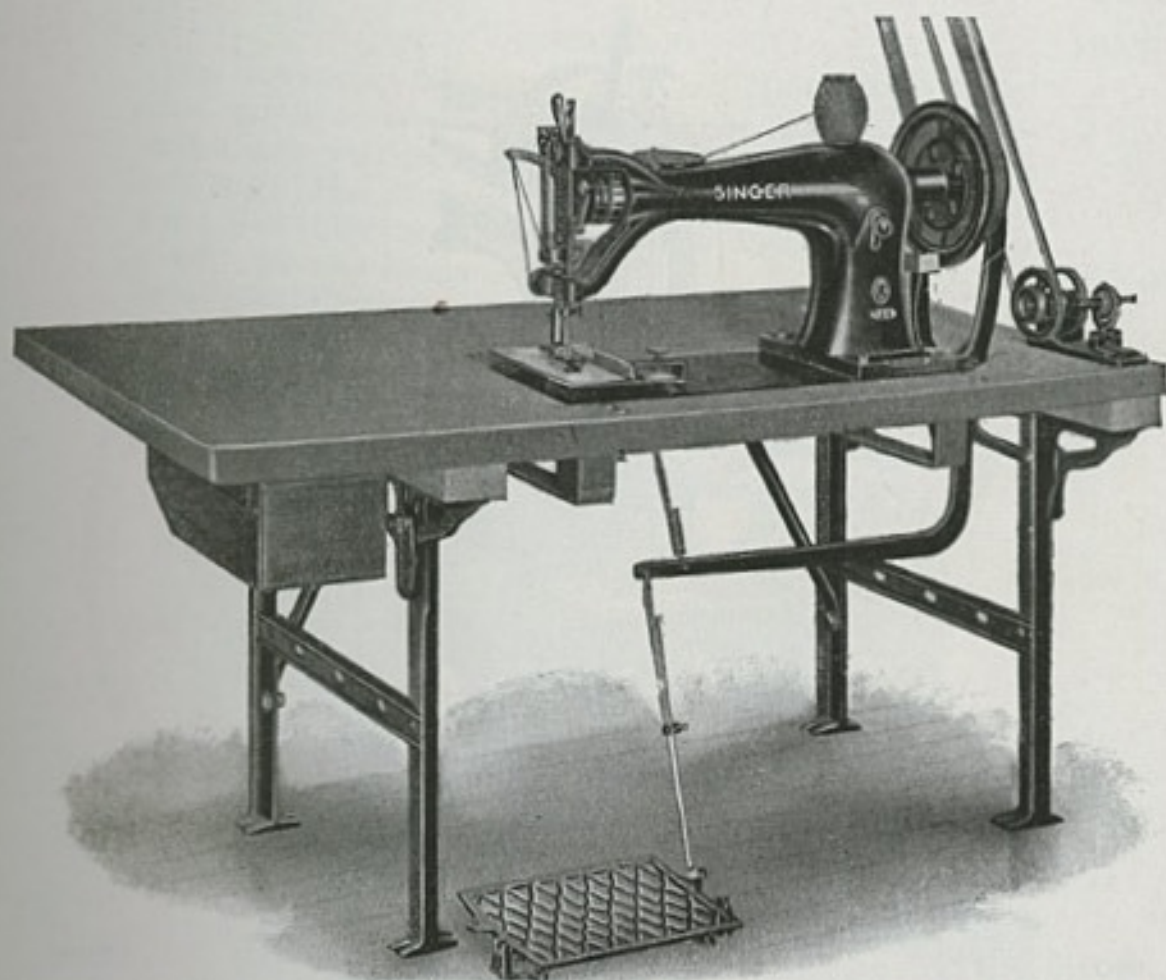
MACHINES OF CLASS 7



MACHINE NO. 7-16 WITH TABLE NO. 5274 AND IRON WORK NO. 27251

NO.	DESCRIPTION	PRICE
7-14	FOR HARNESS AND OTHER WORK IN LEATHER not more than $\frac{5}{8}$ inch thick; makes "set" stitch by use of points on presser foot; has presser feed points for $\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{10}$ and $\frac{1}{12}$ inch stitches; presser feed points for $\frac{1}{4}$ inch can be furnished if ordered. Drop feed. Stitch $\frac{3}{32}$ to $\frac{1}{4}$ inch long. Fitted with belt shifter and foot lifter. Can be fitted for foot power stand if so ordered. See Machines Nos. 7-30 and 7-35.....	\$125 00
	Speed 400. Cipher, EBLOP.	
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. Balance wheel No. 11356 for underdriver or No. 11358 for foot power stand. Drop feed. See illustration above.....	100 00
	Speed 250. Cipher, EBLYS. See Form 9006.	
7-17	HAS S. D. A., otherwise same as No. 7-16.....	105 00
	Speed 250. Cipher, EBMAN.	
7-18	HAS BELT SHIFTER for flat belt, otherwise same as No. 7-16..	105 00
	Speed 250. Cipher, EBMIP.	
7-20	FOR STITCHING CLOSE TO A SHOULDER AND CORNERS IN LEATHER; the needle descends about $\frac{1}{8}$ inch from the extreme end of bed plate; has upper feed, presser feed points for $\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{10}$ and $\frac{1}{12}$ inch "set" stitch, or furnished with presser without feed points; presser feed points for $\frac{1}{4}$ inch stitch can be furnished if ordered; foot lifter and S. D. A. Stitch $\frac{3}{32}$ to $\frac{1}{4}$ inch long. A plate can be furnished, if ordered, to extend the bed plate to the left of the needle, which makes the machine practically the same as No. 7-14.....	155 00
	Speed 400. Cipher, EBMUS.	

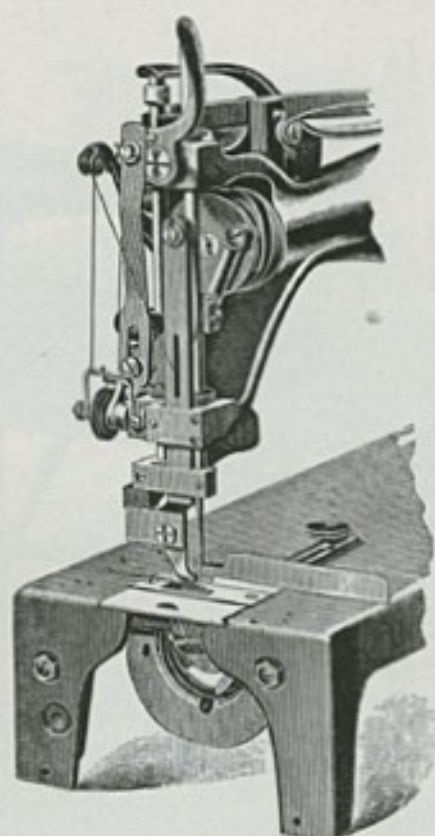
MACHINES OF CLASS 7



MACHINE NO. 7-29. WOOD WORK NO. 5271. IRON WORK NO. 27244

NO.	DESCRIPTION	PRICE
7-29	FOR SAILS, AWNINGS, TENTS, WAGON COVERS AND OTHER HEAVY WORK; stitch $\frac{1}{8}$ to $\frac{1}{2}$ inch long; has cylinder shuttle No. 8774, drop feed, hinged presser foot and S.D. A Speed 400. Cipher, EBPIT. See Form 9005. See also Machine No. 7-31.	\$115 00

MACHINES OF CLASS 7

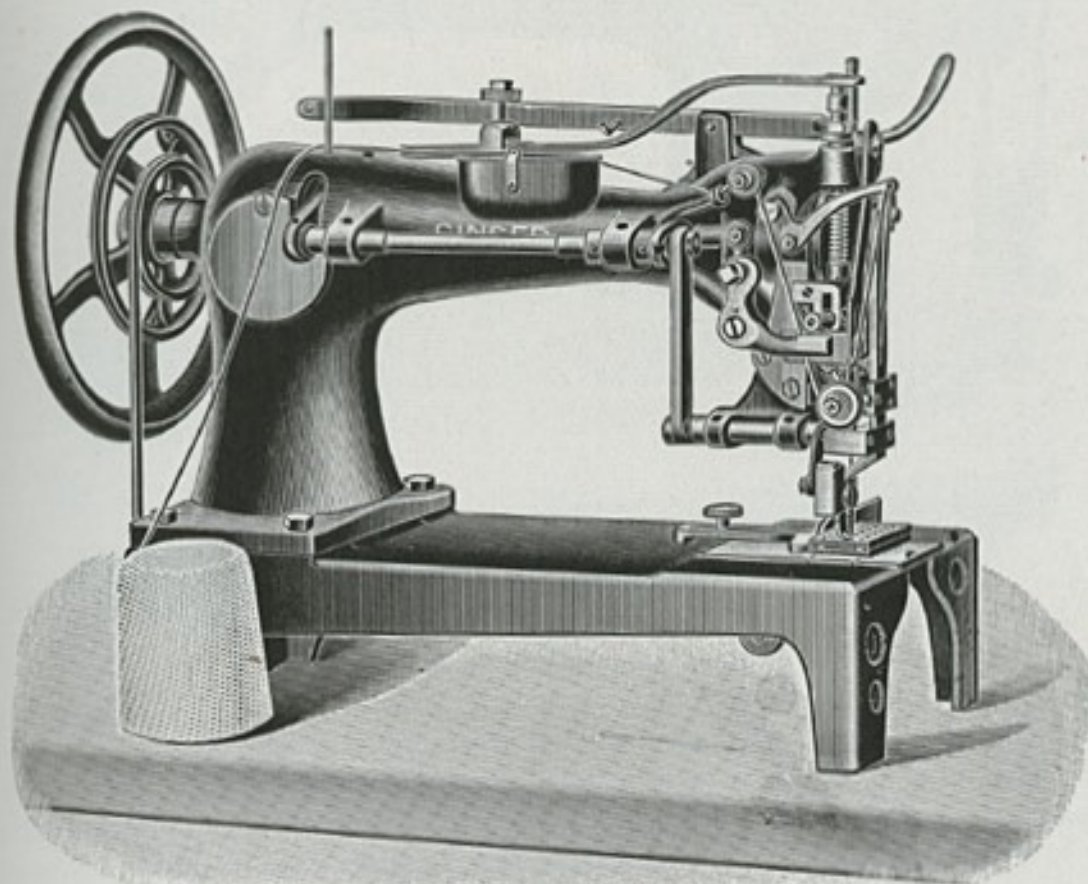


MACHINE NO. 7-30

NO.	DESCRIPTION	PRICE
7-30	FOR LIGHT HARNESS OR OTHER LEATHER WORK of similar quality. Has presser foot for plain stitching; presser feed points for $\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{32}$ or $\frac{1}{64}$ inch set stitch and presser feed points for $\frac{1}{4}$ inch stitch can be furnished upon order; independent upper and under feeds, foot lifter and S. D. A. See also Machines Nos. 7-14 and 7-35.....	\$140 00
	Speed 400. Cipher, EBPOV.	
7-31	FOR SAIL WORK, TENTS, TARPAULINS, WAGON COVERS AND OTHER HEAVY WORK. Stitch $\frac{1}{8}$ to $\frac{1}{2}$ inch long. Has 4 inch high point shuttle No. 19844, drop feed, alternating pressers, $\frac{5}{8}$ inch presser foot lift and S. D. A.; can be fitted with feed on one or both sides of needle as ordered. See also Machine No. 7-29..	130 00
	Speed 550. Cipher, EBPYX. See Form 9160.	
7-32	FOR STITCHING BUFF WHEELS NOT MORE THAN $\frac{3}{8}$ INCH THICK AND 18 INCHES DIAMETER; making circular rows $\frac{5}{16}$ to $\frac{1}{2}$ inch apart as ordered, and automatically changing from each finished row to the beginning of the next. Stitch $\frac{1}{8}$ to $\frac{3}{16}$ inch long. Has drop feed, alternating pressers and belt shifter.	150 00
	Speed 300. Cipher, EBRAS. See also Machine No. 6-14.	
7-33	HAS BALANCE WHEEL No. 11356 for underdriver or No. 11358 for foot power stand, otherwise same as No. 7-31	125 00
	Cipher, EBMOR.	

MACHINES OF CLASS 7

NO.	DESCRIPTION	PRICE
7-34	FOR AWNINGS, INCLUDING BINDING, MAIL BAGS, RUGS, robes, canvas covers, horse collars, traces, hassocks, life preservers, sails, stair pads, tents, toe pads, etc. Stitch $\frac{3}{32}$ to $\frac{9}{16}$ inch long. Has drop feed, alternating pressers and balance wheel No. 11356 for underdriver or No. 11358 for foot power stand. See also Machine No. 7-9.....	\$ 95 00
	Speed 650. Cipher, EBMYT.	



MACHINE NO. 7-35 (BACK OF MACHINE)

NO.	DESCRIPTION	PRICE
7-35	FOR HARNESS AND OTHER WORK IN LEATHER not more than $\frac{5}{8}$ inch thick; makes "set" stitch by use of points on presser foot; stitch $\frac{3}{32}$ to $\frac{1}{4}$ inch long. Has drop feed, presser feed points for $\frac{1}{5}$, $\frac{1}{6}$, $\frac{1}{10}$ and $\frac{1}{12}$ inch stitches; feed point for $\frac{1}{4}$ inch can be furnished if ordered. Has foot lifter, balance wheel No. 11356 for underdriver or No. 11358 for foot power stand. See also Machines Nos. 7-14 and 7-30	\$120 00
	Speed 400. Cipher, EBNIR.	

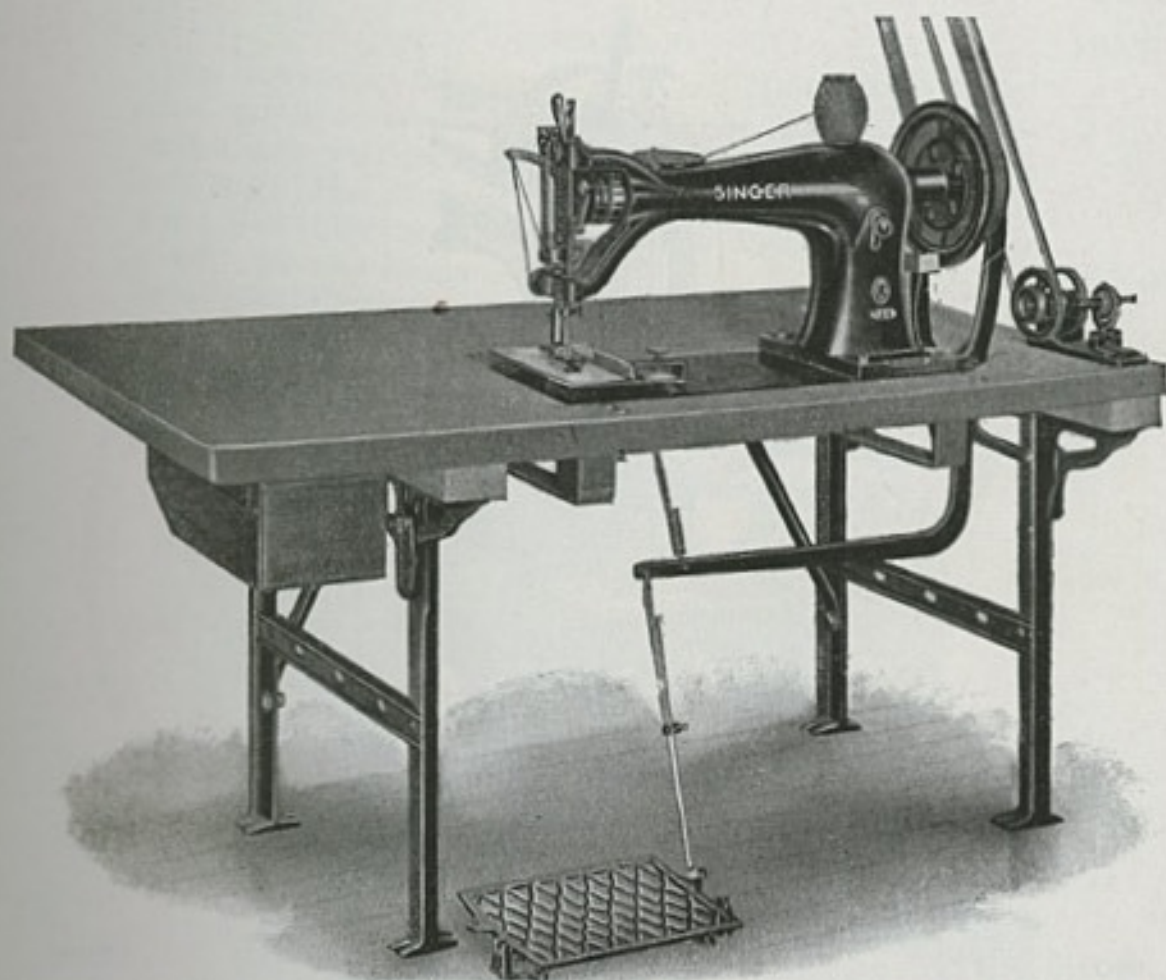
WAGONETTES

1. The design of the Wagonette is based on the principle of simplicity and economy. It is a small, light, and maneuverable vehicle, suitable for use in urban areas and for the transport of passengers. The design is based on the principle of simplicity and economy. It is a small, light, and maneuverable vehicle, suitable for use in urban areas and for the transport of passengers.



2. The Wagonette is designed to be a simple and economical mode of transport. It is a small, light, and maneuverable vehicle, suitable for use in urban areas and for the transport of passengers. The design is based on the principle of simplicity and economy. It is a small, light, and maneuverable vehicle, suitable for use in urban areas and for the transport of passengers.

MACHINES OF CLASS 7

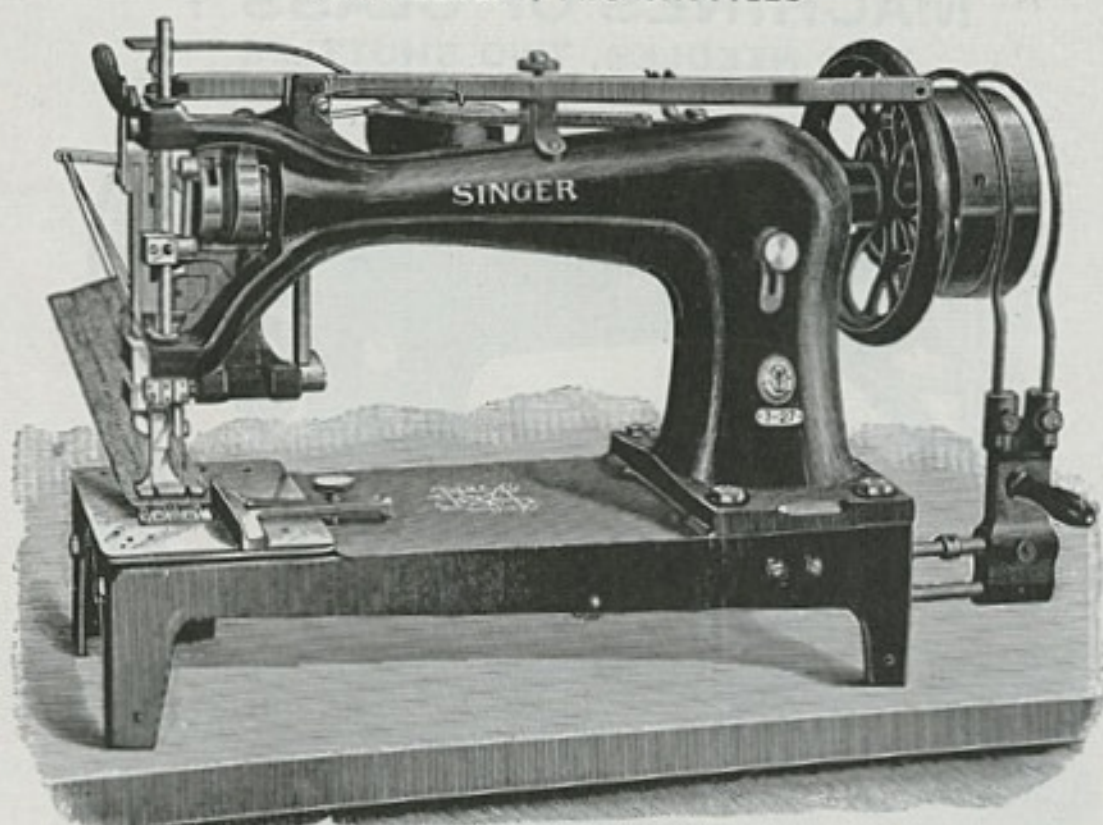


MACHINE NO. 7-29. WOOD WORK NO. 5271. IRON WORK NO. 27244

NO.	DESCRIPTION	PRICE
7-29	FOR SAILS, AWNINGS, TENTS, WAGON COVERS AND OTHER HEAVY WORK; stitch $\frac{1}{8}$ to $\frac{1}{2}$ inch long; has cylinder shuttle No. 8774, drop feed, hinged presser foot and S.D. A Speed 400. Cipher, EBPIT. See Form 9005. See also Machine No. 7-31.	\$115 00

MACHINES OF CLASS 7

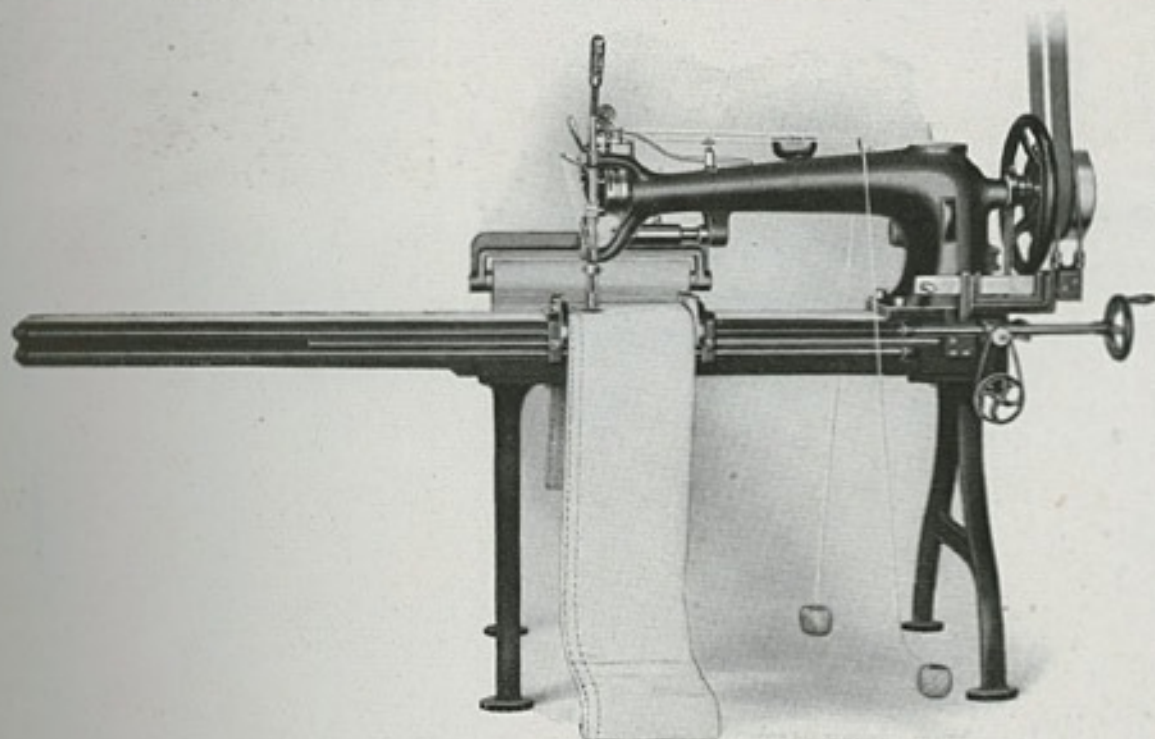
TWO NEEDLES, TWO SHUTTLES



MACHINE NO. 7-27, WITH BELT SHIFTER

NO.	DESCRIPTION	PRICE
7-27	HAS CYLINDER SHUTTLES NOS. 19568 AND 19569, gauges $\frac{3}{4}$ to 1 inch. Can be furnished from 1 inch up to $1\frac{1}{2}$ inch gauge at an addition of \$30.00 to the retail price of the machine. Independent upper and under feeds, each of which can be regulated as desired, foot lifter and belt shifter.....	\$175 00
	Speed 200. Cipher, EBPAP.	
7-38	Has S. D. A., otherwise same as No. 7-27.....	175 00
	Cipher EBRIV.	
7-28	FOR NARROW GAUGES, BOX SHUTTLES NOS. 8860 AND 8866, gauge as specified on order, from $\frac{3}{16}$ to $1\frac{1}{16}$ inch. Drop feed, adjustable pressers either vibrating or stationary, and belt shifter	160 00
	Speed 200. Cipher, EBPES.	
7-39	Has S. D. A., otherwise same as No. 7-28.....	160 00
	Cipher, EBROW.	
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 as ordered. Has drop feed, alternating pressers and belt shifter.....	\$150 00
	Speed 300. Cipher, ERGLO.	
	(Formerly 7 S. V. 31 Machine.)	

MACHINES OF CLASS 8



MACHINE NO. 8-4

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

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. They are furnished with flat presser foot or roller presser as specified in the order, have belt shifters and heavy iron legs. See Form 9002.

NO.	DESCRIPTION	PRICE
8-2	HAS SCREW GUIDE; cylinder shuttle No. 8774; separation between rows of stitching ¼ inch to each complete turn of the guide screw..... Speed 250. Cipher, EBRYZ.	\$300 00
8-3	HAS SLIDING ROD GUIDE WITH SPRING CATCH, two shuttles, Nos. 8891 and 8896, regular gauges 1 to 1½ inch; gauges above 1½ up to 2 inches will be furnished at an addition of \$30.00 to the retail 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 Speed 200. Cipher, EBSAT.	400 00
8-4	HAS SCREW GUIDE; otherwise same as No. 8-3..... Speed 200. Cipher, EBSEV.	400 00

NOTE. All machines of Class 8 are regularly fitted with flat presser; roller presser will be furnished if specified on order.

8.6 FOR STITCHING CANVAS BELTS UP TO $\frac{3}{4}$ IN. THICK, 54 INCHES WIDE.
Two needles, two cylinder shuttles, Nos. 8891 and 8896. 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 $5\frac{1}{4}$ 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.....\$800.00
Speed 200. Cipher, EBSUZ.
Supersedes 8 S. V. 6 Machine.

MACHINES OF CLASS 9

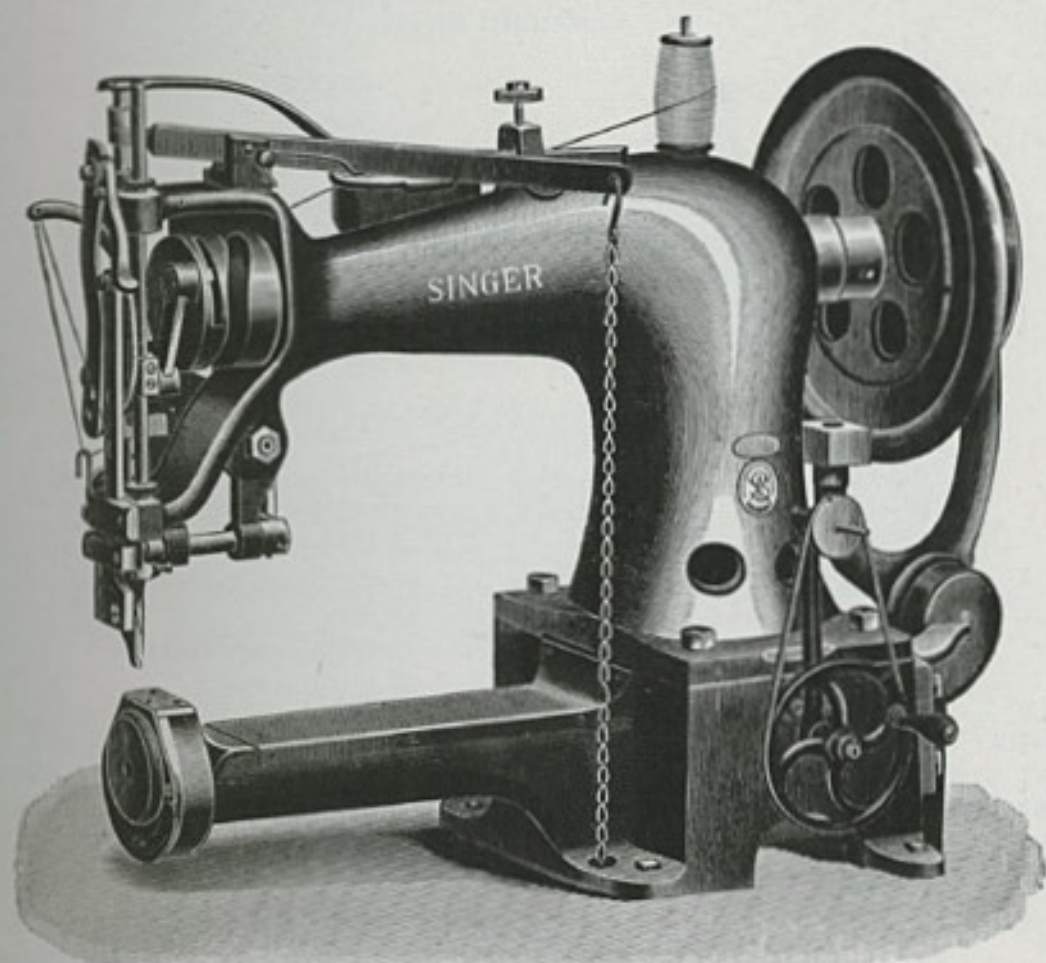
Oscillating shuttle mechanism. Bed 18 feet long, supported on heavy iron legs.

The machines of Class 9 are the largest and most powerful sewing machines ever constructed. See Form 9002.

NO.	DESCRIPTION	PRICE
9-1	FOR CANVAS BELTS up to 100 inches wide and 1½ inch thick. Has roller feed, two needles and two cylinder shuttles, Nos. 8891 and 8896; gauges 1 to 1½ inch; screw guide	\$2000 00
	Speed 80. Cipher, EBTEW.	

MACHINES OF CLASS 10

Cylinder bed 23 inches long, $4\frac{1}{2}$ 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

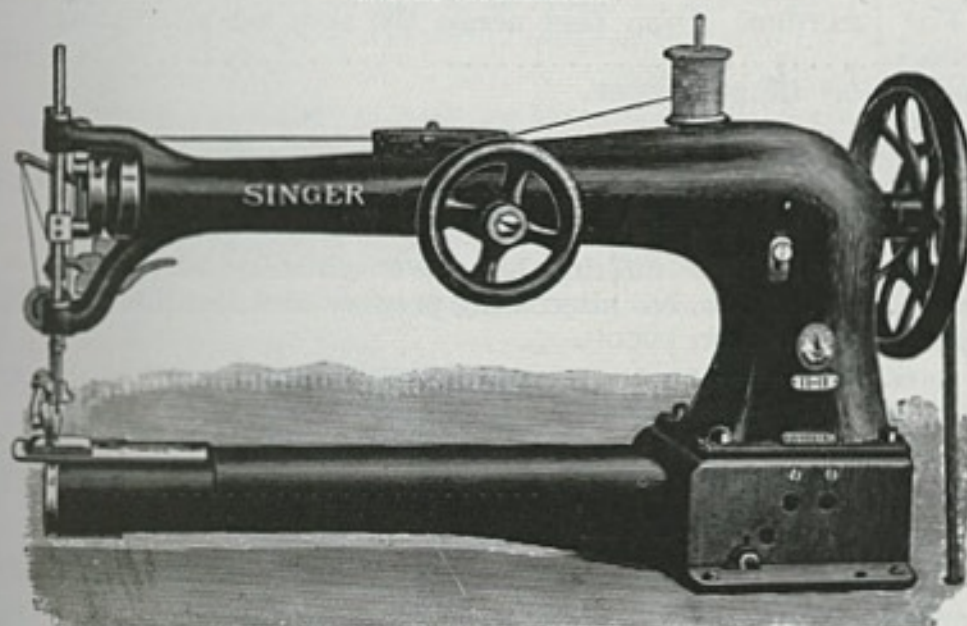
The machines of Class 10 are capable of very heavy work in leather or textile fabrics, comparable with that done by machines of Class 6; the cylinder bed, $4\frac{1}{2}$ inches across end, enables it to stitch from the outside to the inside of concave, tubular or bag shaped articles that could not be stitched upon a flat bed machine. See Form 9007.

NO.	DESCRIPTION	PRICE
10-1	FOR HARNESS TUGS, TRUNKS, VALISES, SUIT CASES, HEAVY LEATHER BAGS, and other work in leather up to $\frac{3}{4}$ inch thick. Has cylinder shuttle No. 19871, upper feed, presser feed points for $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{10}$ and $\frac{1}{12}$ inch "set" stitch, foot lifter and S. D. A.	\$200 00
	Speed 200. Cipher, EBTOZ.	
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. 19844, upper feed and foot lifter. S. D. A.	225 00
	Speed 200. Cipher, EBVAW.	

NOTE. Wood work No. 5278 and iron work No. 27247 is used in connection with Machine No. 10-3, but is not included in the price of the machine.

MACHINES OF CLASS 11

Cylinder bed $3\frac{3}{4}$ inches diameter at end and 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
11-8	FOR CLOTH. Has reversible drop feed, up or off arm, stitch from $\frac{1}{8}$ to $\frac{1}{2}$ inch long, S. D. A.....	\$130 00
	Speed 650. Cipher, EBVUB.	
11-11	FOR LEATHER. Drop feed across the arm.....	100 00
	Speed 650. Cipher, EBZIC.	
11-12	FOR CLOTH. Drop feed across the arm.....	100 00
	Speed 650. Cipher, EBZOD.	
11-13	FOR LEATHER. Drop feed up the arm	100 00
	Speed 650. Cipher, ECBAD.	
11-14	FOR CLOTH. Drop feed up the arm.....	100 00
	Speed 650. Cipher, ECBIF.	
11-15	FOR CARRIAGE AND BUGGY DASHES; furnished with feed dogs, throat plates and presser feet for the different positions of the work when closing in the frame and stitching the panels; drop feed across the arm; has 30 inches clear space at right of needle, vibrating presser, S. D. A. and column stand.....	170 00
	Speed 200. Cipher, ECBOG.	
11-16	FOR OVERSEAMING LONG BOOT LEGS OR OTHER TUBULAR ARTICLES while feeding up the arm, or for straight stitching while feeding across the arm, drop feed; has parts to change from one style to the other and balance wheel No. 11356 for underdriver; 30 inches from needle to base of arm.....	210 00
	Speed 650. Cipher, ECBUH.	

MACHINES OF CLASS 11

NO.	DESCRIPTION	PRICE
11-17	FOR MILITARY BOOT LEGS AND SIMILAR TUBULAR WORK. Has drop feed up the arm and parts to change to feed across the arm..... Speed 650. Cipher, ECBYJ.	\$105 00
11-18	FOR LEATHER. Drop feed across the arm, has alternating pressers..... Speed 650. Cipher, ECCEF.	105 00
11-19	FOR LEATHER. Drop feed across the arm, has vibrating presser..... Speed 650. Cipher, ECCIG.	105 00
11-20	FOR CLOTH. For quilting bed covers, binding, etc.; drop feed across the arm, has alternating pressers and foot lifter... Speed 650. Cipher, ECCOH. NOTE. Can be furnished with work plate No. 14788 full length of the cylinder if ordered, at an additional cost of \$5.00 net.	105 00
11-21	FOR CLOTH OR LEATHER. Drop feed up the arm; makes stitch from $\frac{1}{8}$ to $\frac{1}{2}$ inch long..... Speed 650. Cipher, ECCUJ.	115 00
11-22	FOR HAND POWER; differs from No. 11-15 only in having a hand driving mechanism attached to the S. D. A..... Cipher, ECCYK.	185 00
11-23	FOR STITCHING FINE BOOT LEGS OR OTHER TUBULAR ARTICLES IN LIGHT AND MEDIUM WEIGHT LEATHER, using Nos. B to $\frac{1}{2}$ needles; has cylinder $2\frac{3}{4}$ inches diameter at end, shuttle No. 6028; drop feed up arm; S. D. A..... Speed 650. Cipher, ECDAF.	105 00
11-24	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. Drop feed. Has clear space of 30 inches at right of needle and S. D. A. As regularly furnished, holes $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and $\frac{7}{8}$ inch diameter can be made, but if so ordered the machine will be fitted to make holes 1 inch to $4\frac{1}{2}$ inches diameter, the variations in size being not less than $\frac{1}{4}$ inch..... Speed 650. Cipher, ECDEG. See Form 9095. NOTE. If metal rings are to be covered, several samples of each must be sent with the order to ensure correct fitting.	225 00
11-25	HAS BALANCE WHEEL No. 11356 for underdriver, otherwise same as No. 11-24..... Cipher, ECDOJ.	220 00
11-26	Has S. D. A., otherwise same as No. 11-16..... Cipher, ECDUK.	215 00

MACHINES OF CLASS 14 K

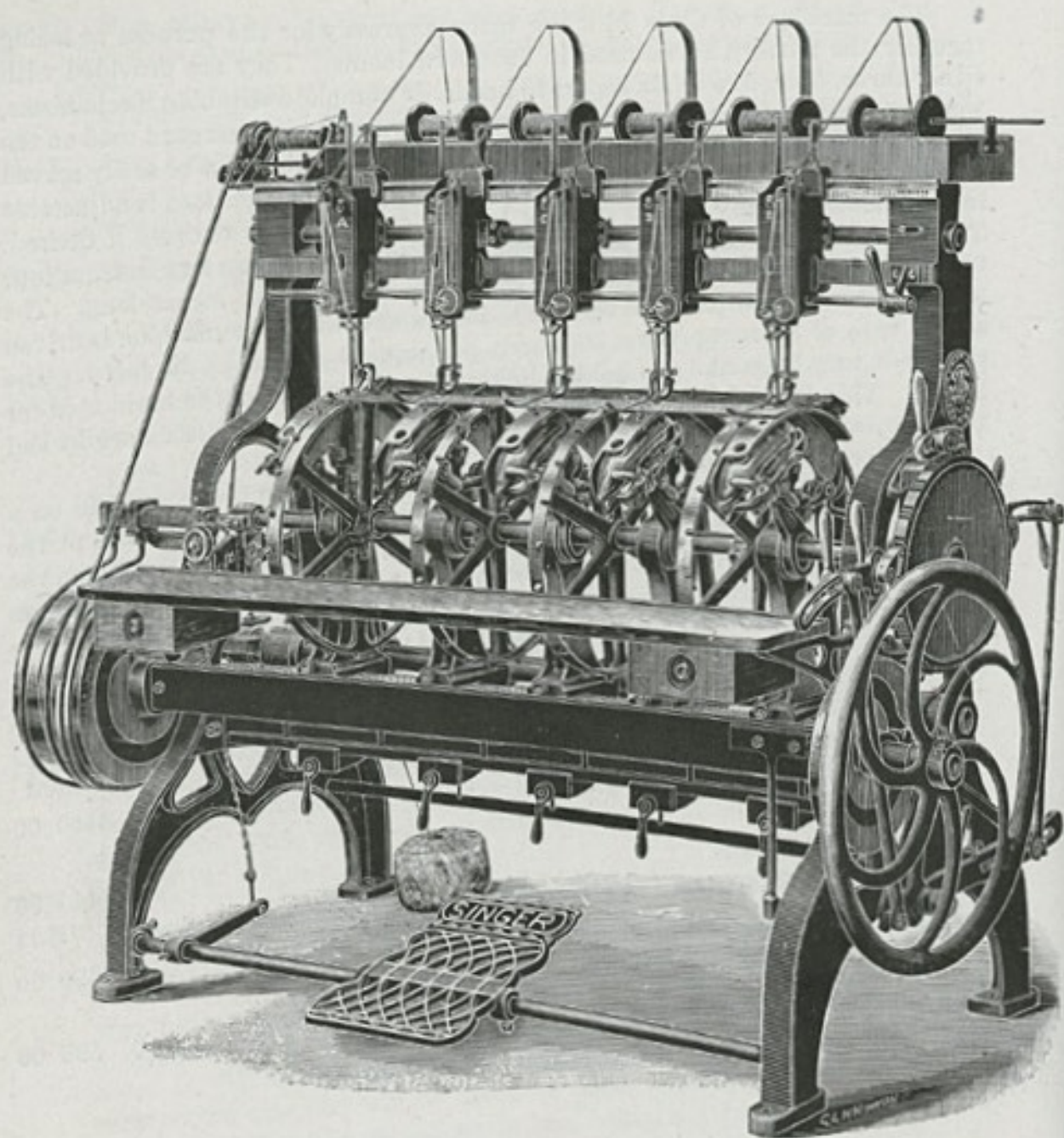
The machines of Class 14 K are made expressly for the purpose of lacing together the pattern cards used in Jacquard looms. They are provided with either three, four, five or six separate heads, or complete stitching mechanisms, working together in unison, as may be necessary for the longest card used on the loom. The heads are fitted to horizontal slides so that they can be easily moved to the correct positions required by different cards and each head is adjustable independently of any other, or may be left out of action entirely if desired. The machines are made in two lengths, one for cards of any length from four to twenty-six inches, the other for cards up to forty-two inches long. The length of stitch is adjustable up to $2\frac{1}{2}$ inches and when the machine is driven at the rate of 80 revolutions, 28 cards per minute can easily be laced. The shuttle is very large and the bobbin holds a large quantity of the braid used for lacing. This braid is also used in the needles and the two braids are locked together in the centre of each hole in the card.

In operation the cards, arranged in their consecutive order, are laid on a platform in front of the feed wheels, which are provided with pins that fit the guide holes in the cards. The operator places the cards, one at a time, upon the feed wheels as they revolve, the action of the stitching mechanism laces them and they are delivered at the back of the machine. See Form 9009.

NOTE. With each order for a machine of Class 14 K it is ABSOLUTELY NECESSARY that we receive for testing the machine at least twenty-five of the cards used; also a laced sample to show the correct pitch of the studs and a sample of the lacing cord or braid.

NO.	DESCRIPTION	PRICE
14 k 1	THREE HEADS..... Cipher, ABDIF.	\$400 00
14 k 2	FOUR HEADS..... Cipher, ABDOG.	445 00
14 k 3	FIVE HEADS..... Cipher, ABDUH.	490 00
14 k 4	SIX HEADS..... Cipher, ABDYJ.	535 00

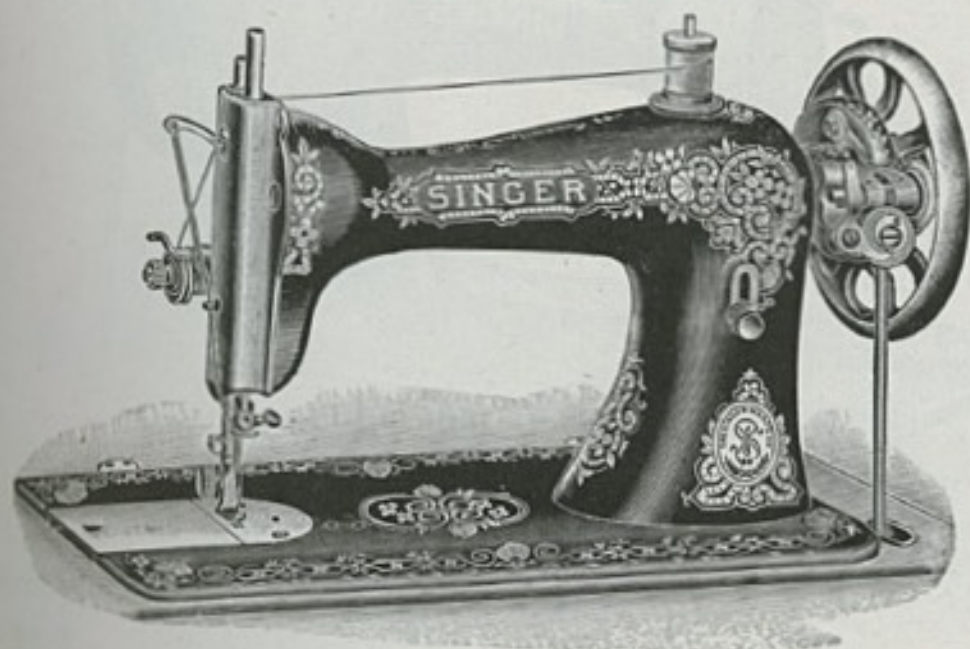
MACHINES OF CLASS 14K



MACHINE No. 14K3

MACHINES OF CLASS 15

Bed 14½ inches long, 6½ inches clear space at right of needle. Oscillating shuttle mechanism. Knee lifter except on machines for family use.

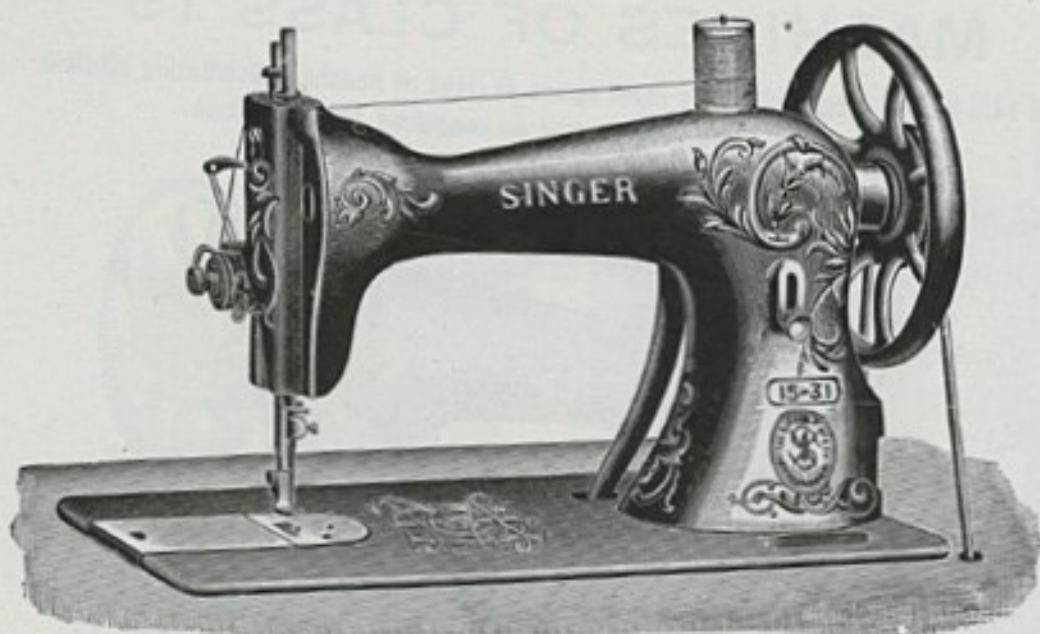


MACHINE No 15-30

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
15-22	FAMILY. Long beak shuttle, drop feed, H. O..... Cipher, ECFUL.	\$ — —
15-23	FOR CLOTH. Drop feed..... Speed 1500. Cipher, ECFYM.	22 50
15-24	FOR LEATHER. Drop feed..... Speed 1500. Cipher, ECGAJ.	22 50
15-28	FOR CLOTH OR LEATHER. Drop feed, alternating pressers... Speed 1400. Cipher, ECGUN.	27 50
15-30	FAMILY. C. B., drop feed, H. O..... Cipher, ECHEL.	— —

MACHINES OF CLASS 15

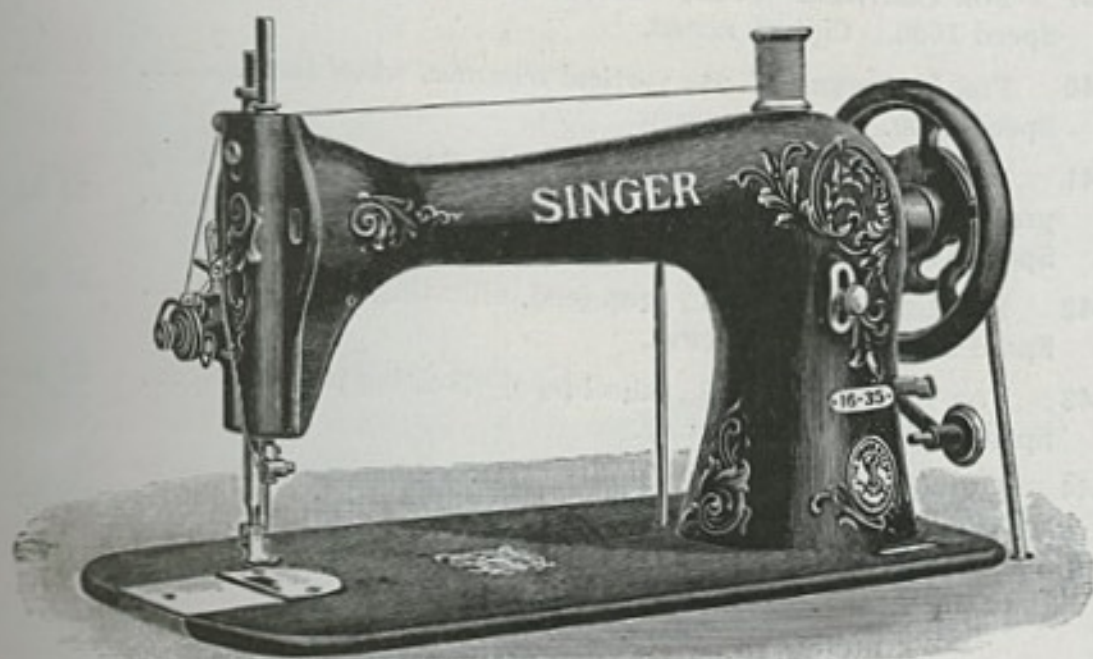


MACHINE No. 15-31

NO.	DESCRIPTION	PRICE
15-31	FOR CLOTH. C. B., drop feed..... Speed 1600. Cipher, ECHIM.	\$ 22 50
15-32	FOR LEATHER. C. B., drop feed..... Speed 1600. Cipher, ECHON.	22 50
15-33	FOR LEATHER. C. B., wheel feed..... Speed 1600. Cipher, ECHYP.	22 50
15-34	FOR COLLAR AND CUFF WORK. C. B., drop feed..... Speed 1600. Cipher, ECJAL.	22 50
15-35	FOR SHIRTS, LINEN AND COTTON GOODS. C. B., drop feed... Speed 1600. Cipher, ECJEM.	22 50
15-36	FOR GLOVE WORK. C. B., has vertical trimmer with yielding presser. Wheel feed and C. S. M. Speed 1400. Cipher, ECJIN.	35 00
15-39	FOR CLOTH OR LEATHER. C. B., drop feed, alternating pressers Speed 1400. Cipher, ECKAM.	27 50
15-40	FOR CLOTH OR LEATHER. C. B., upper and lower positive feed, alternating pressers Speed 1400. Cipher, ECKEN.	30 00
15-41	FOR HOME MANUFACTURING. C. B., drop feed, H. O., fitted for round shank needles. Has C. S. M. Cipher, ECKOP.	— —
15-42	FOR SHIRT AND COLLAR WORK. C. B., drop feed, feeds from left to right. Has iron base Speed 1600. Cipher, ECKUR.	22 50
15-43	FOR HOME MANUFACTURING. Long beak shuttle, drop feed, H. O., fitted for round shank needles. Has C. S. M. Cipher, ECKYS	— —
15-50	FAMILY. C. B., drop feed, H. O., with hand attachment.... Cipher, ECLOR.	— —

MACHINES OF CLASS 16

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



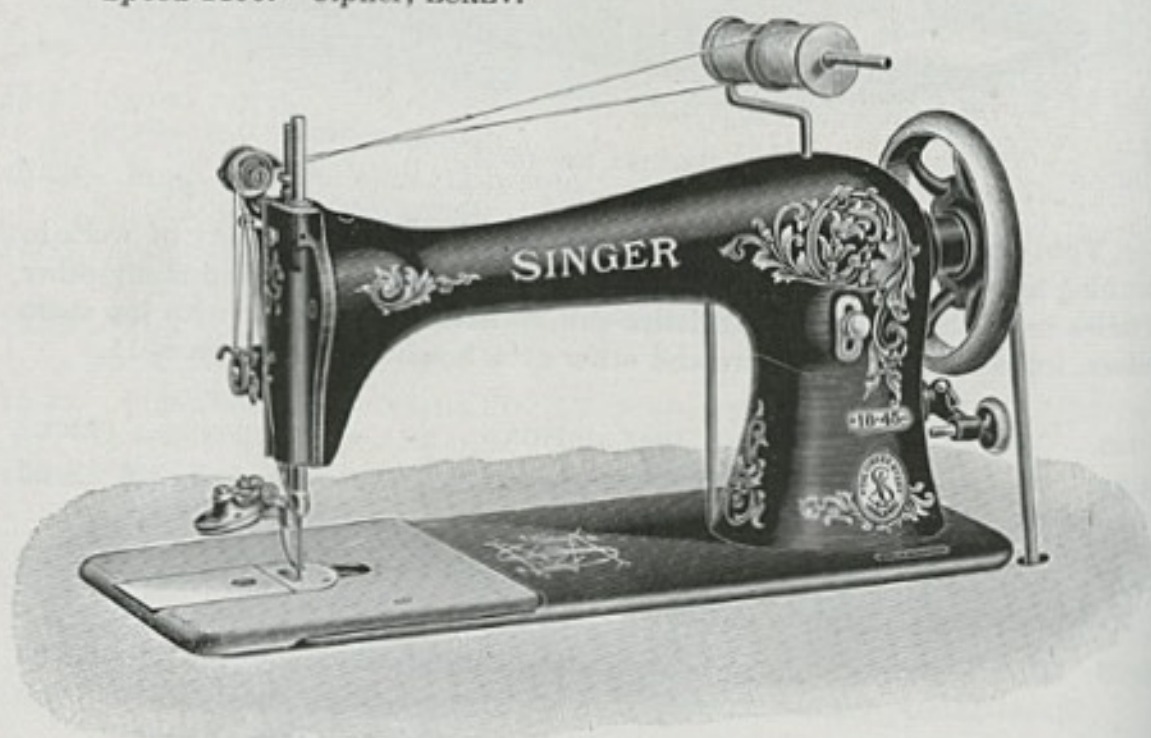
MACHINE NO. 16-35

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
16-26	FOR CLOTH. Long beak shuttle, drop feed Speed 1500. Cipher, ECLYT.	\$ 25 00
16-27	FOR LEATHER. Long beak shuttle, drop feed Speed 1500. Cipher, ECMEP.	25 00
16-28	FOR LEATHER. Long beak shuttle, wheel feed Speed 1500. Cipher, ECMIR.	25 00
16-30	FOR LEATHER. Long beak shuttle, drop feed, has vertical trimmer Speed 1400. Cipher, ECMUT.	35 00
16-32	FOR CLOTH OR LEATHER. Long beak shuttle, drop feed, alter- nating pressers Speed 1400. Cipher, ECNAP.	30 00
16-34	FOR LEATHER. Long beak shuttle, wheel feed, has vibrating presser Speed 1400. Cipher, ECNIS.	35 00
16-35	FOR CLOTH. C. B., drop feed Speed 1600. Cipher, ECNOT.	25 00

MACHINES OF CLASS 16

NO.	DESCRIPTION	PRICE
16-36	FOR LEATHER. C. B., drop feed..... Speed 1600. Cipher, ECNUV.	\$ 25 00
16-37	FOR LEATHER. C. B., wheel feed..... Speed 1600. Cipher, ECPAS.	25 00
16-40	FOR LEATHER. C. B., vertical trimmer, wheel feed..... Speed 1400. Cipher, ECPOW.	35 00
16-41	FOR CLOTH OR LEATHER. C. B., drop feed, alternating pressers..... Speed 1400. Cipher, ECPUX.	30 00
16-42	FOR LEATHER. C. B., drop feed, vibrating presser..... Speed 1400. Cipher, ECPYZ.	35 00
16-43	FOR LEATHER. C. B., wheel feed, vibrating presser..... Speed 1400. Cipher, ECRAT.	35 00
16-44	FOR SHOE VAMPING. Two needles, long beak shuttles, $\frac{1}{32}$ to $\frac{5}{64}$ inch gauge, drop feed..... Speed 1400. Cipher, ECREV.	50 00

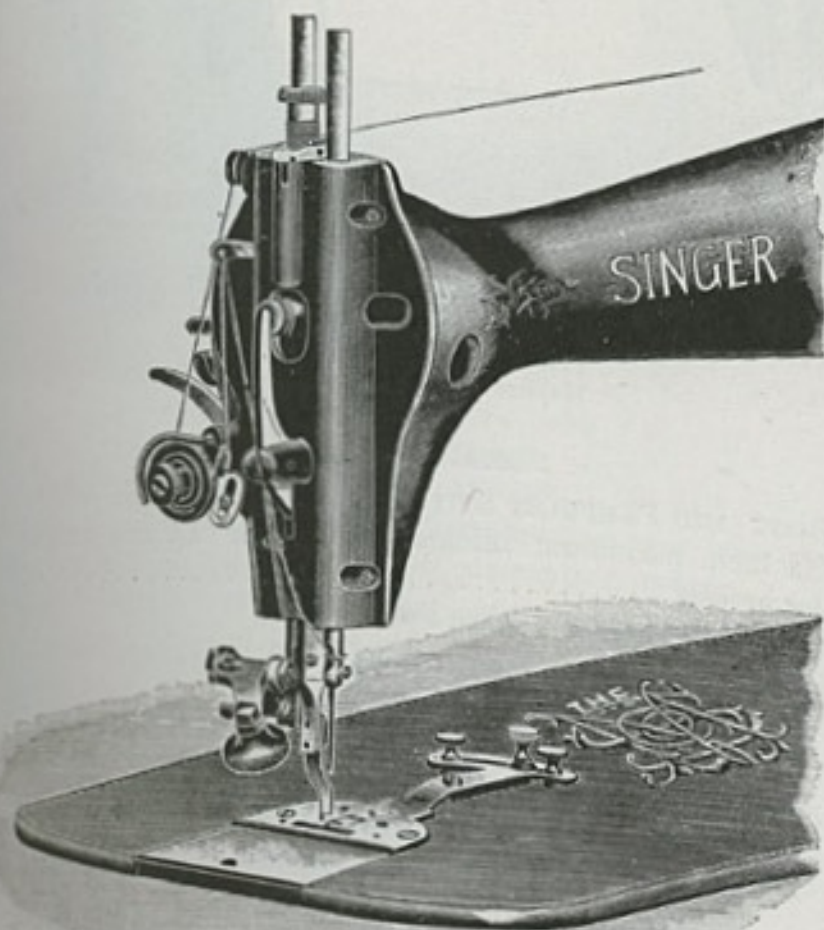


MACHINE No. 16-45

NO.	DESCRIPTION	PRICE
16-45	FOR SHOE VAMPING. Wheel feed, otherwise same as No. 16-44. Speed 1400. Cipher, ECROX.	\$ 50 00
16-46	FOR SHOE VAMPING. Made in gauges $\frac{3}{32}$ to $\frac{15}{64}$ inch other- wise same as No. 16-44..... Speed 1400. Cipher, ECRUN.	50 00
16-47	FOR CLOTH. Has two needles, long beak shuttles, $\frac{1}{4}$ to $\frac{19}{64}$ inch gauge, drop feed..... Speed 1400. Cipher, ECSAV.	50 00

MACHINES OF CLASS 16

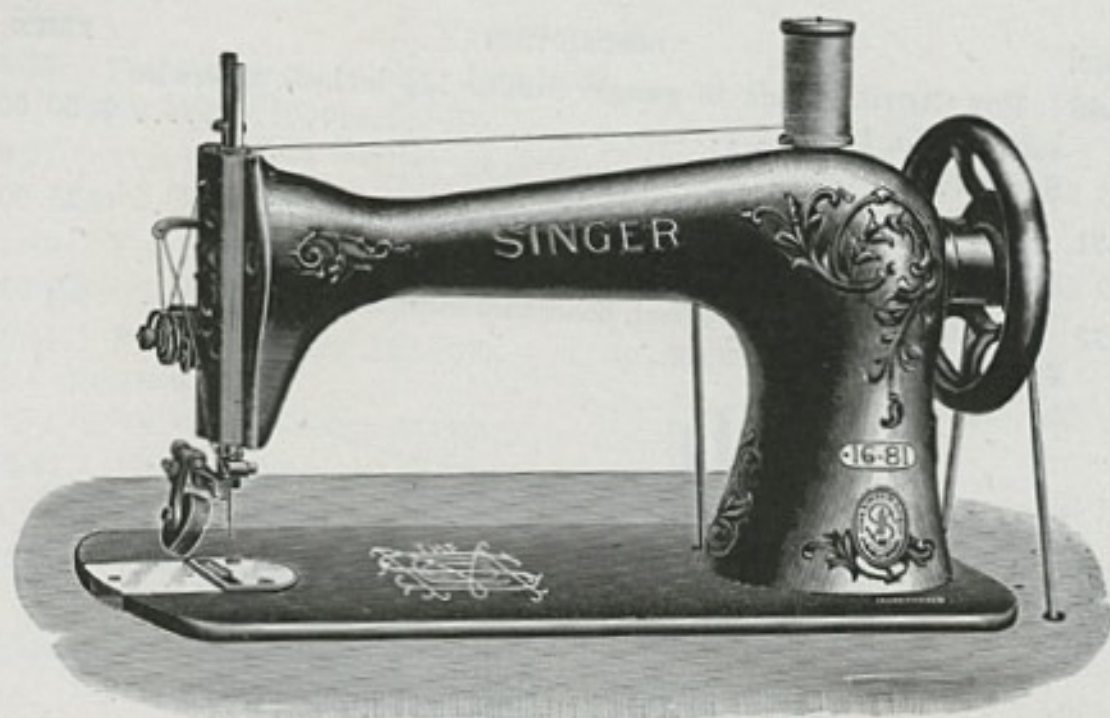
NO.	DESCRIPTION	PRICE
16-48	FOR CLOTH. Made in gauges $\frac{5}{16}$ to $1\frac{3}{4}$ inches, otherwise same as No. 16-47 Speed 1400. Cipher, ECSEW.	\$ 50 00
16-71	FOR LEATHER. C. B., has cam on needle bar, drop feed..... Speed 1400. Cipher, ECSIX.	25 00
16-72	FOR LEATHER. Wheel feed, otherwise same as No. 16-71.... Speed 1400. Cipher, ECSOL.	25 00



MACHINE NO. 16-76

NO.	DESCRIPTION	PRICE
16-76	FOR STITCHING AND TRIMMING THE EDGES OF SHOES. Has vertical trimmer, adjustable for trimming at a greater or less distance from seam, $\frac{3}{64}$ inch adjustment, drop feed..... Speed 1400. Cipher, ECTYL.	\$ 35 00

MACHINES OF CLASS 16



MACHINE NO. 16-81

NO.	DESCRIPTION	PRICE
16-81	FOR BOOK AND PAMPHLET STITCHING. Makes stitch from $\frac{1}{4}$ to $\frac{15}{16}$ inch, maximum thickness $\frac{3}{16}$ inch. C. B., drop feed, roller presser..... Speed 150. Cipher, ECTUB. See Form 9013.	\$ 40 00

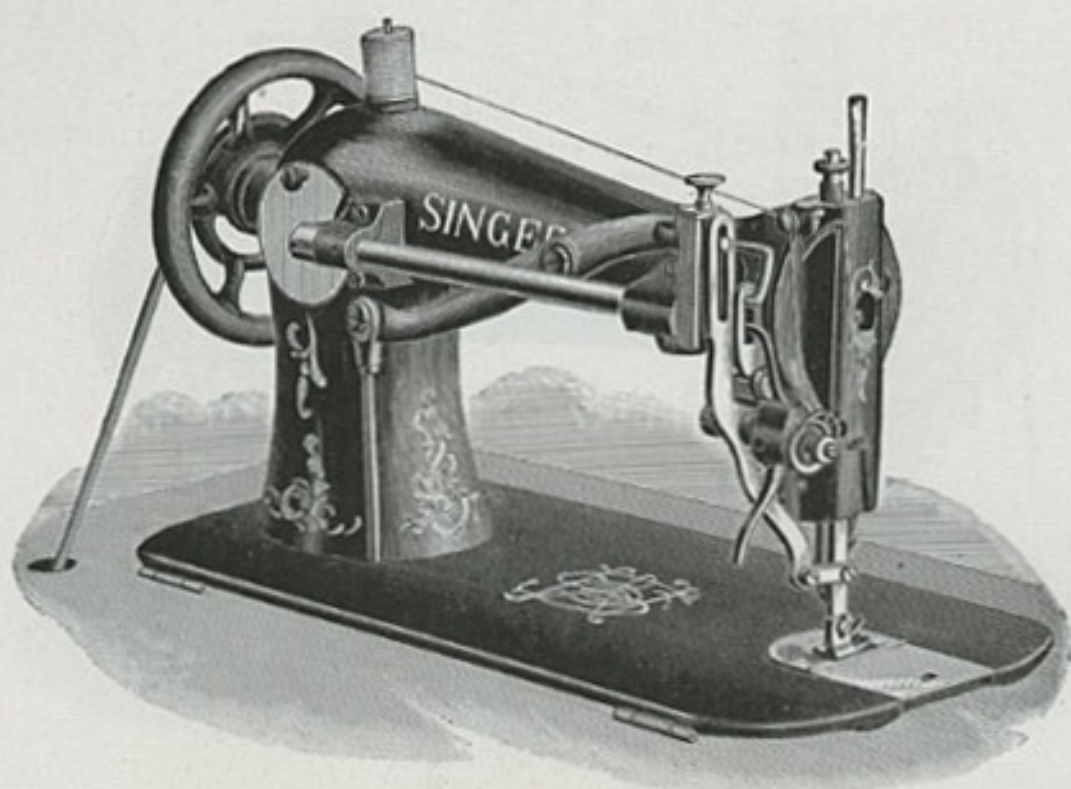
MACHINES OF CLASS 16



MACHINE NO. 16-84

NO.	DESCRIPTION	PRICE
16-84	FOR CLOTH OR LEATHER. Two needles, long beak shuttles, $\frac{3}{32}$ to $\frac{7}{8}$ inch gauge, drop feed, alternating pressers Speed 1200. Cipher, ECVYN.	\$ 55 00
16-85	FOR CARPET MITRES AND HEAVY CLOTH WORK. C. B., drop feed, high lift presser..... Speed 1200. Cipher, ECVOB.	25 00
16-87	FOR GLOVE WORK. C. B., has vertical trimmer with yielding presser, wheel feed and C. S. M..... Speed 1400. Cipher, ECVYD.	35 00

MACHINES OF CLASS 16



MACHINE NO. 16-88

NO.	DESCRIPTION	PRICE
16-88	CENTRAL BOBBIN. High lift, independent upper and under feeds..... Speed 1400. Cipher, ECZAB.	\$ 35 00
NOTE. The action of either feed of Machines Nos. 16-88 or of 16-95 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.		
16-90	FOR CLOTH. Has reversible feed, otherwise same as No. 16-35. Speed 1600. Cipher, ECZID.	30 00
16-91	FOR SHOE VAMPING. Two needles, two long beak shuttles, $\frac{3}{32}$ to $\frac{15}{64}$ inch gauge, wheel feed..... Speed 1400. Cipher, EDBEF.	50 00
16-95	FOR LAP SEAM FELLING, BINDING AND PLAIN STITCHING. Has two needles, long beak shuttles, otherwise same as No. 16-88; see note above..... Speed 1400. Cipher, EDBUJ.	60 00
16-96	FOR BOOTS AND SHOES for edge and under edge trimming; low point, long beak shuttle, horizontal trimmer, drop feed... Speed 1400. Cipher, EDBYK.	37 50
16-97	FOR EMBROIDERING INITIALS, MONOGRAMS, CRESTS, FLORAL DESIGNS, ETC., using heavy silk, floss or chenille... <i>C. S. M.</i> .. Cipher, EDCAF	25 00

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.

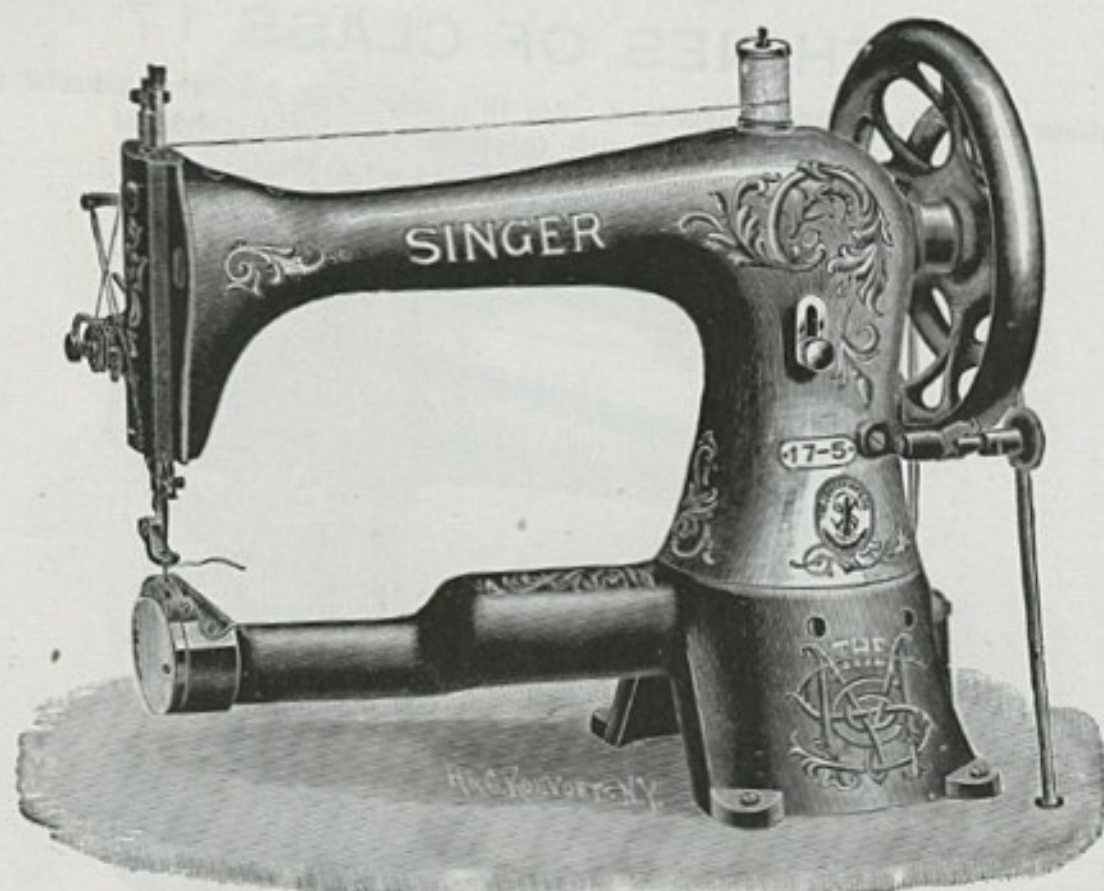


MACHINE NO. 17-1

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 Form 9014.

NO.	DESCRIPTION	PRICE
17-1	FOR SHOES. Drop feed across arm at left of needle, roller presser.....	\$ 35 00
	Speed 1200. Cipher, EDCUK.	
17-2	FOR SHOES. Drop feed across arm at right of needle, roller presser.....	35 00
	Speed 1200. Cipher, EDCYL.	
17-3	FOR SHOES. Wheel feed across arm at right of needle, roller presser.....	35 00
	Speed 1200. Cipher, EDDAG	

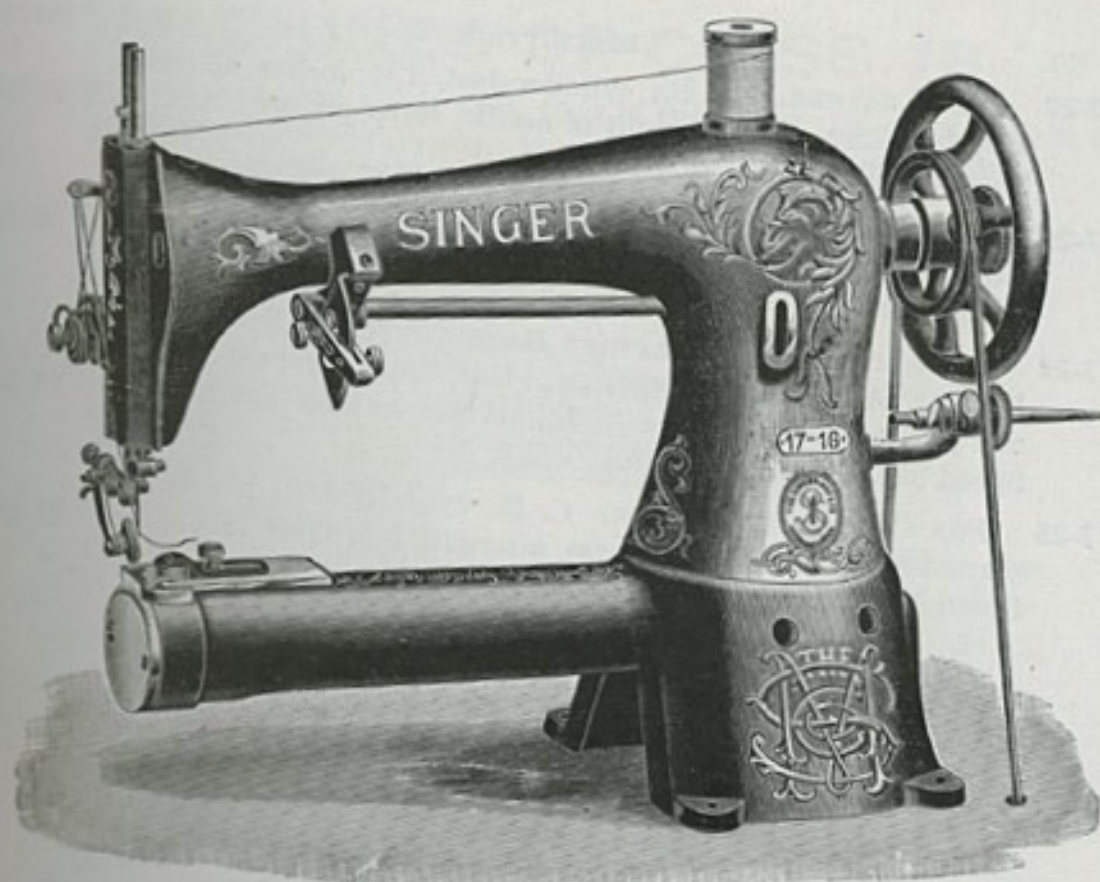
MACHINES OF CLASS 17



MACHINE No. 17-5

NO.	DESCRIPTION	PRICE
17-5	FOR HORSE BOOTS AND OTHER CONCAVE ARTICLES IN LEATHER. Drop feed across arm. (See Nos. 17-12, 17-20 and 17-24.) Speed 800. Cipher, EDDIJ.	\$ 50 00
	NOTE. The end of the cylinder bed containing the throat plate and feed dog is raised and rounded; this allows them to enter cup-shaped surfaces which it would be difficult to reach by other means. (See also Machines Nos. 17-12, 17-20 and 17-24.)	
17-6	FOR CLOTH OR LEATHER, for tubular or hollow articles, drop feed up the arm Speed 1200. Cipher, EDDOK.	35 00
17-7	FOR CLOTH OR LEATHER. Two needles, two shuttles, gauges $\frac{1}{32}$ to $\frac{3}{4}$ inch, drop feed across arm. Speed 1200. Cipher, EDDUL.	60 00
17-8	FOR CLOTH OR LEATHER. Drop feed across arm, alternating pressers Speed 1200. Cipher, EDDYM.	40 00
17-11	FOR LEATHER. Has vertical trimmer, drop feed across arm. Speed 1200. Cipher, EDFIK.	50 00
17-12	FOR HORSE BOOTS AND OTHER CONCAVE ARTICLES IN LEATHER. Has upper feed across arm only. (See Nos. 17-5, 17-20 and 17-24.) Speed 800. Cipher, EDFOL.	75 00
17-15	FOR PORTFOLIOS AND POCKET BOOKS. Drop feed across arm. Speed 1200. Cipher, EDGAK.	35 00

MACHINES OF CLASS 17

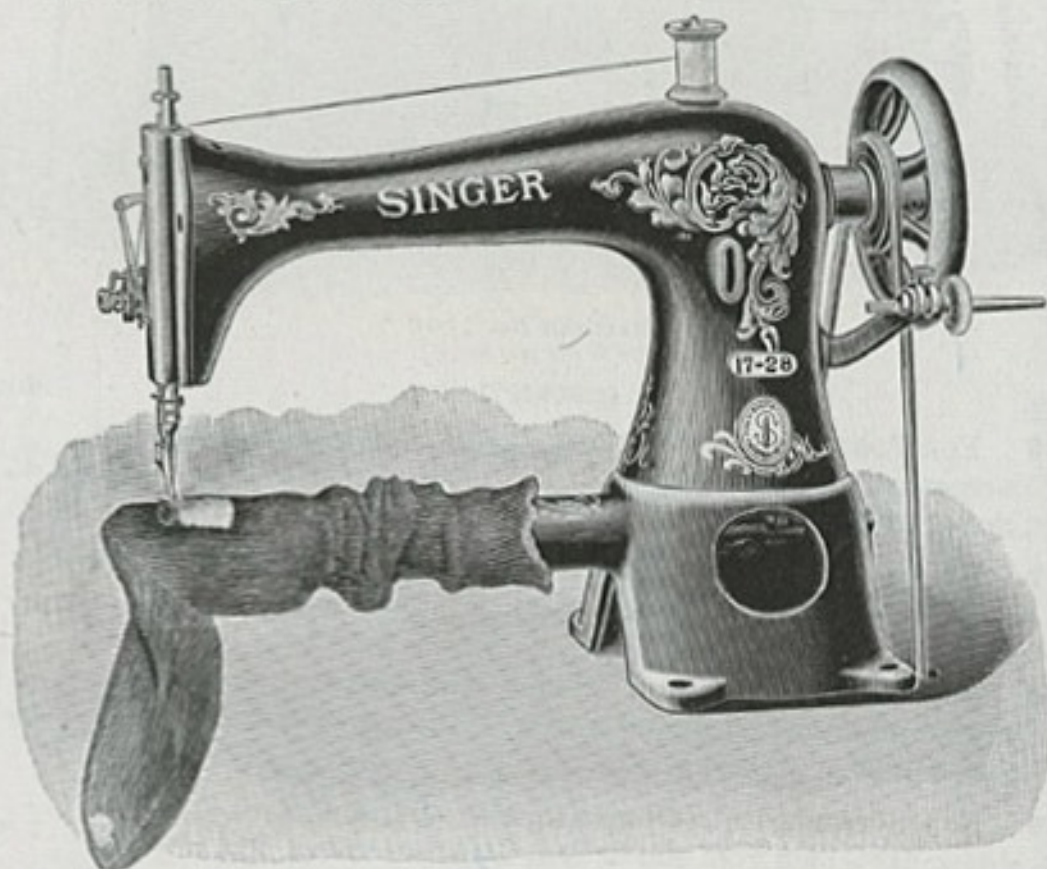


MACHINE No. 17-16

NO.	DESCRIPTION	PRICE
17-16	FOR PORTFOLIOS AND POCKET BOOKS. Reversible drop feed across arm. Roller presser..... Speed 1200. Cipher, EDGEL.	\$ 45 00
17-17	FOR MAKING CAPS. Has 1½ inch extension of bed to left of needle, drop feed across arm..... Speed 1200. Cipher, EDGIM.	35 00
17-18	FOR MAKING HELMETS. Has special throat plate for the work, and drop feed across arm..... Speed 1000. Cipher, EDGON.	40 00
17-19	FOR STITCHING close to a shoulder and in corners. Needle descends ⅜ inch from end of bed, drop feed across arm at right of needle..... Speed 1000. Cipher, EDGYP.	35 00
17-20	FOR HORSE BOOTS AND OTHER CONCAVE ARTICLES IN LEATHER. Drop feed across arm, alternating pressers. (See also Nos. 17-5, 17-12 and 17-24.)..... Speed 1000. Cipher, EDHAL.	55 00
17-21	FOR CLOTH OR LEATHER. Has two needles, two shuttles, ⅜ to ¾ inch gauge, alternating pressers. Drop feed across arm. Speed 1000. Cipher, EDHEM.	65 00

MACHINES OF CLASS 17

NO.	DESCRIPTION	PRICE
17-22	FOR LEATHER. C. B., cylinder bed, $1\frac{3}{8}$ inches diameter, drop feed across arm at right of needle, roller presser Speed 1200. Cipher, EDHIN.	\$ 35 00
17-23	FOR LEATHER. Has feed at left of needle, otherwise same as No. 17-22..... Speed 1200. Cipher, EDHUP.	35 00
17-24	FOR SADDLES, FINE LEATHER BAGS AND OTHER CONCAVE OR HOLLOW ARTICLES IN LEATHER. Has upper feed across arm and presser feed points for $\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{10}$ and $\frac{1}{12}$ inch "set" stitch. Speed 800. Cipher, EDHYR.	75 00
17-25	FOR CLOTH OR LEATHER. C. B., cylinder bed, $1\frac{3}{8}$ inches diameter, drop feed across arm, alternating pressers Speed 1200. Cipher, EDJAM.	40 00

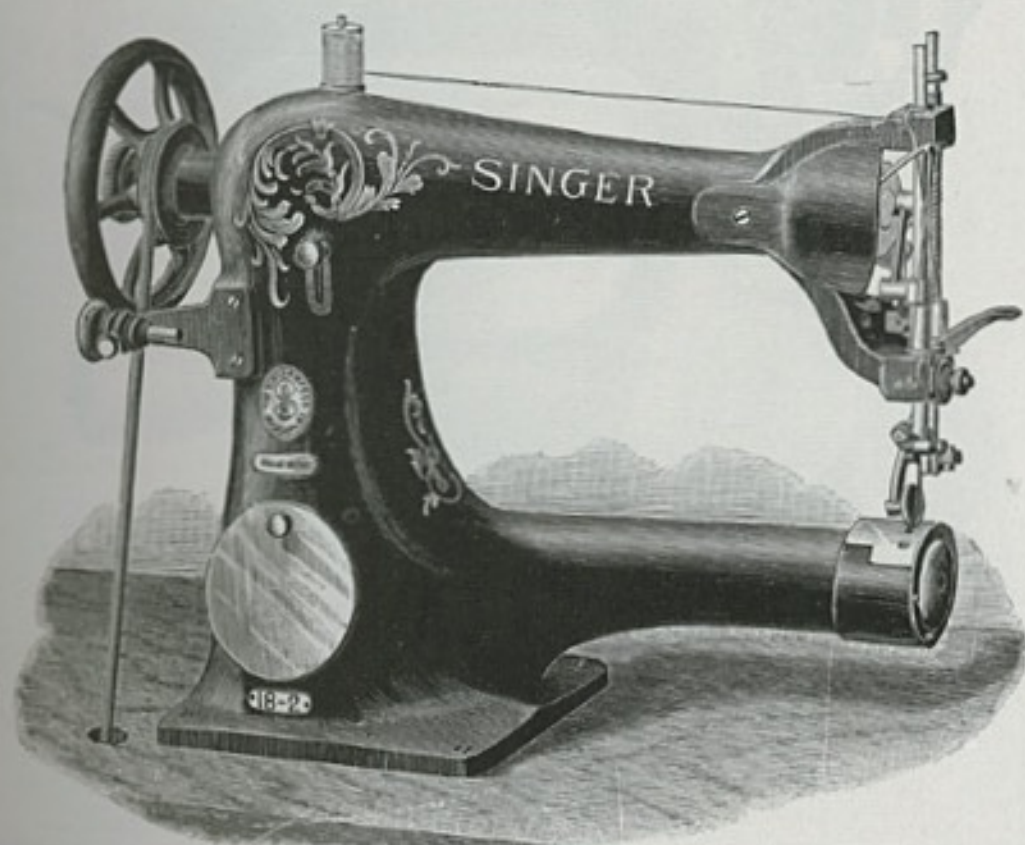


MACHINE No. 17-28

NO.	DESCRIPTION	PRICE
17-28	FOR DARNING STOCKINGS. C. B., has removable work plate No. 16720 for darning table linen, towels, etc. Cylinder $1\frac{3}{8}$ inches diameter. No feeding mechanism. Presser rises automatically after each stitch is made. C. S. M..... Speed 1000. Cipher, EDJUR. See Form 9105	\$ 45 00
17-29	FOR PUMPS, EYELET TIES, BLUCHER OXFORDS, ETC. Has horizontal under trimmer, cylinder bed $1\frac{3}{8}$ inches diameter, drop feed across arm, roller presser Speed 1600. Cipher, EDJYS.	62-00 \$ 65.00

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 Nos. 18-15 to 18-18 inclusive. Knee or foot lifter.

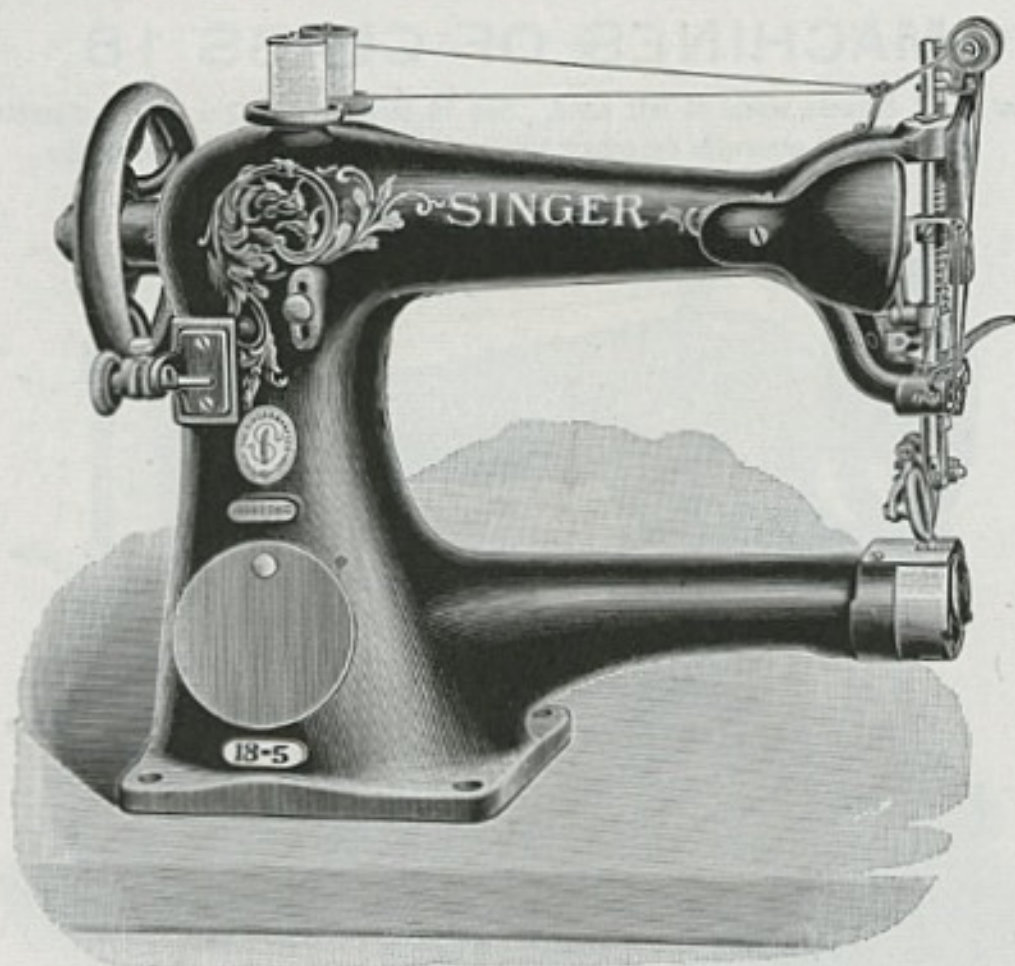


MACHINE NO. 18-2

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. Drop feed at right of needle, roller presser. Speed 1400. Cipher, EDLOS.	\$ 35 00
18-2	FOR SHOE WORK. Drop feed at left of needle, roller presser. Speed 1400. Cipher, EDLUT.	35 00
18-3	FOR SHOE WORK. Wheel feed, otherwise same as No. 18-2. Speed 1400. Cipher, EDLYV.	35 00

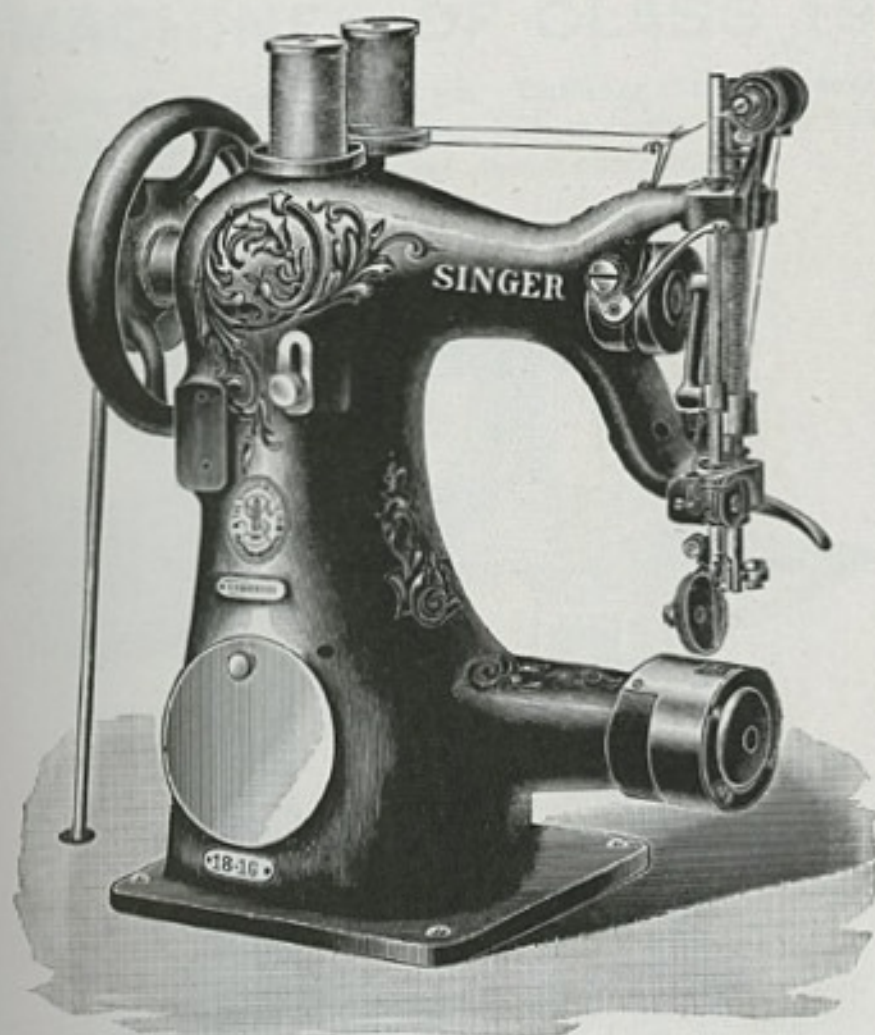
MACHINES OF CLASS 18



MACHINE NO. 18-5

NO.	DESCRIPTION	PRICE
18-5	FOR SHOE VAMPING AND OTHER WORK IN LEATHER. Two needles, long beak shuttles, $\frac{1}{32}$ to $\frac{1}{4}$ inch gauge, drop feed, roller presser Speed 1400. Cipher, EDMER.	\$ 60 00
18-6	FOR SHOE VAMPING. Wheel feed, gauges $\frac{1}{32}$ to $\frac{1}{8}$ inch, otherwise same as No. 18-5 Speed 1400. Cipher, EDMIS.	60 00
18-7	FOR SHOES. C. B., cylinder 2 inches diameter, drop feed at left of needle Speed 1400. Cipher, EDMOT.	35 00

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 18-9, and are therefore very rigid under high speed.

NO	DESCRIPTION	PRICE
18-15	FOR LEATHER. Drop feed at left of needle, roller presser... Speed 1500. Cipher, EDPEV.	\$ 35 00
18-16	FOR VAMPING SHOES AND OTHER WORK IN LEATHER. Two needles, long beak shuttles, $\frac{1}{32}$ to $\frac{1}{4}$ inch gauge, drop feed, roller presser Speed 1500 Cipher, EDPOX.	60 00
18-17	FOR LEATHER. Wheel feed at left of needle, roller presser.. Speed 1500. Cipher, EDPUZ.	35 00
18-18	FOR LEATHER. Two needles, long beak shuttles, $\frac{1}{32}$ to $\frac{1}{8}$ inch gauge, wheel feed, roller presser Speed 1500. Cipher, EDRAV.	60 00

10-1. For the purpose of this class, the term "machinery" is defined as any device or apparatus which is used to perform a mechanical function. This includes, but is not limited to, engines, pumps, motors, and the like. The term "machinery" does not include electrical apparatus, which is covered by Class 11, or chemical apparatus, which is covered by Class 12.

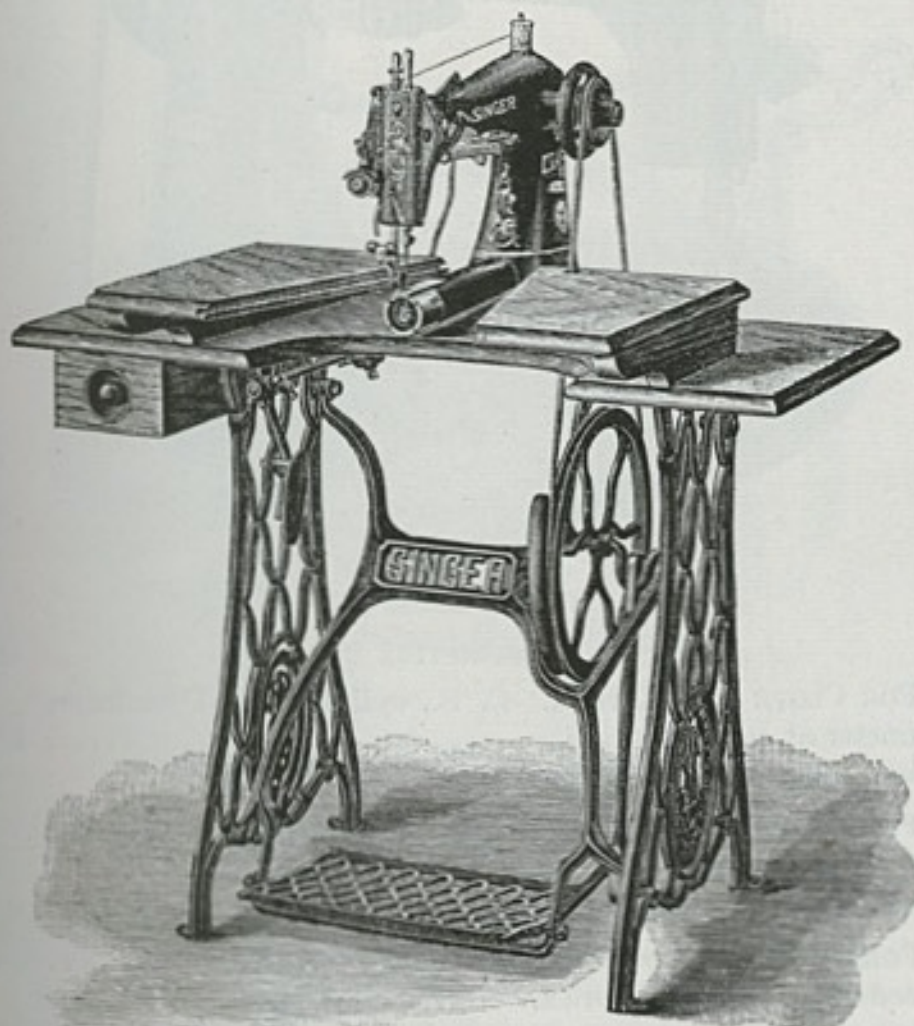
10-2. For the purpose of this class, the term "mechanical function" is defined as any function which is performed by a device or apparatus which is used to perform a mechanical function. This includes, but is not limited to, the generation of power, the transmission of power, and the conversion of energy.

10-3. For the purpose of this class, the term "device or apparatus" is defined as any structure or assembly of parts which is used to perform a mechanical function. This includes, but is not limited to, a single part, a sub-assembly, and a complete machine.

10-4. For the purpose of this class, the term "used to perform a mechanical function" is defined as any function which is performed by a device or apparatus which is used to perform a mechanical function. This includes, but is not limited to, the generation of power, the transmission of power, and the conversion of energy.

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 (OPEN) NO. 5407 AND STAND NO. 25216

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
19-4	FOR LEATHER. Two needles, one shuttle, $\frac{1}{32}$ to $\frac{3}{16}$ inch gauge; makes two parallel seams on upper surface and an overcast or "stay" stitch on the under surface, drop feed.....	\$ 57 00
	Speed 1200. Cipher, EDSAW.	
19-5	FOR CLOTH. Two needles, two shuttles, gauges $\frac{3}{32}$ to $\frac{5}{16}$ inch, drop feed.....	65 00
	Speed 1200. Cipher, EDSEX.	
19-8	FOR CLOTH OR LEATHER. C. B., overseaming, drop feed ...	60 00
	Speed 1000. Cipher, EDSIZ.	

MACHINES OF CLASS 19

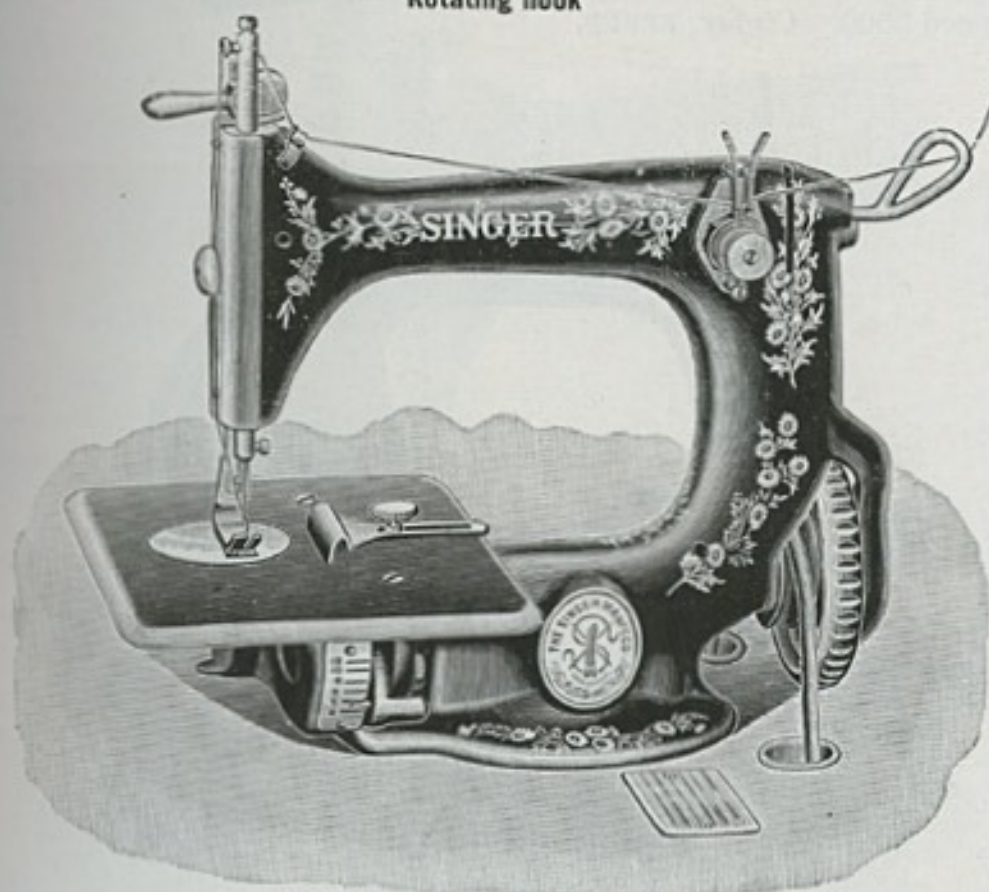


MACHINE NO. 19-10

NO.	DESCRIPTION	PRICE
19-9	FOR CLOTH OR LEATHER. C. B., cylinder bed $1\frac{3}{16}$ inches diameter at end, drop feed..... Speed 1200. Cipher, EDSUB.	\$ 45 00
19-10	FOR CLOTH OR LEATHER. C. B., overseaming, cylinder bed $1\frac{3}{16}$ inches diameter at end, drop feed..... Speed 1000. Cipher, EDSYC.	60 00
19-11	FOR CLOTH. Has reversible feed, up or off arm, drop feed .. Speed 1200. Cipher, EDTAX.	45 00
19-12	FOR LEATHER. Has reversible feed, up or off arm, drop feed .. Speed 1200. Cipher, EDTEZ.	45 00
19-13	FOR CLOTH. C. B., reversible feed, up or off arm, drop feed .. Speed 1200. Cipher, EDTOB.	45 00
19-14	FOR LEATHER. C. B., reversible feed, up or off arm, drop feed .. Speed 1200. Cipher, EDTUC.	45 00
19-15	FOR CLOTH. Lap seam felling, etc. Two needles, two shuttles gauges $\frac{3}{32}$ to $\frac{5}{16}$ inch, low bed, drop feed..... Speed 1200. Cipher, EDTYD.	65 00
19-17	FOR SHOES. C. B., two needles, one shuttle, gauges $\frac{1}{32}$ to $\frac{1}{8}$ inch, makes two parallel seams on the upper surface, and an overcast or "stay" stitch on the under surface, cylinder $1\frac{3}{16}$ inches diameter at end, drop feed, roller presser Speed 1200. Cipher, EDVAZ.	57 00

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 9018.

NO.	DESCRIPTION	PRICE
24-4	FOR TWO ROW STITCHING. Two needles, two loopers $\frac{1}{16}$ to $\frac{5}{8}$ inch gauge. Automatic tension; 8 to 30 stitches to the inch. Speed 2500. Cipher, EFJAN.	\$ 45 00
24-6	FOR STITCH UP TO $\frac{3}{16}$ INCH LONG. Plain tension. Speed 2000. Cipher, EFJIP.	22 50
24-7	FOR CAPS AND SIMILAR ARTICLES; 4 to 12 stitches to the inch. Plain tension. Speed 2000. Cipher, EFJOR. See Form 9020.	22 50
24-8	FOR TWO ROW STITCHING. Has plain tension, otherwise same as No. 24-4. Speed 2500. Cipher, EFJUS.	45 00
24-13	FOR GATHERING. Has lever for adjusting the fulness of gathers; automatic tension, adjustable feed. Speed 2500. Cipher, EFJYT.	25 00

MACHINES OF CLASS 24

NO.	DESCRIPTION	PRICE
24-14	FOR TUCKING. Has positively driven power tuck marker driven by link from arm rock shaft; automatic tension..... Speed 2500. - Cipher, EFKEP.	\$ 25 00

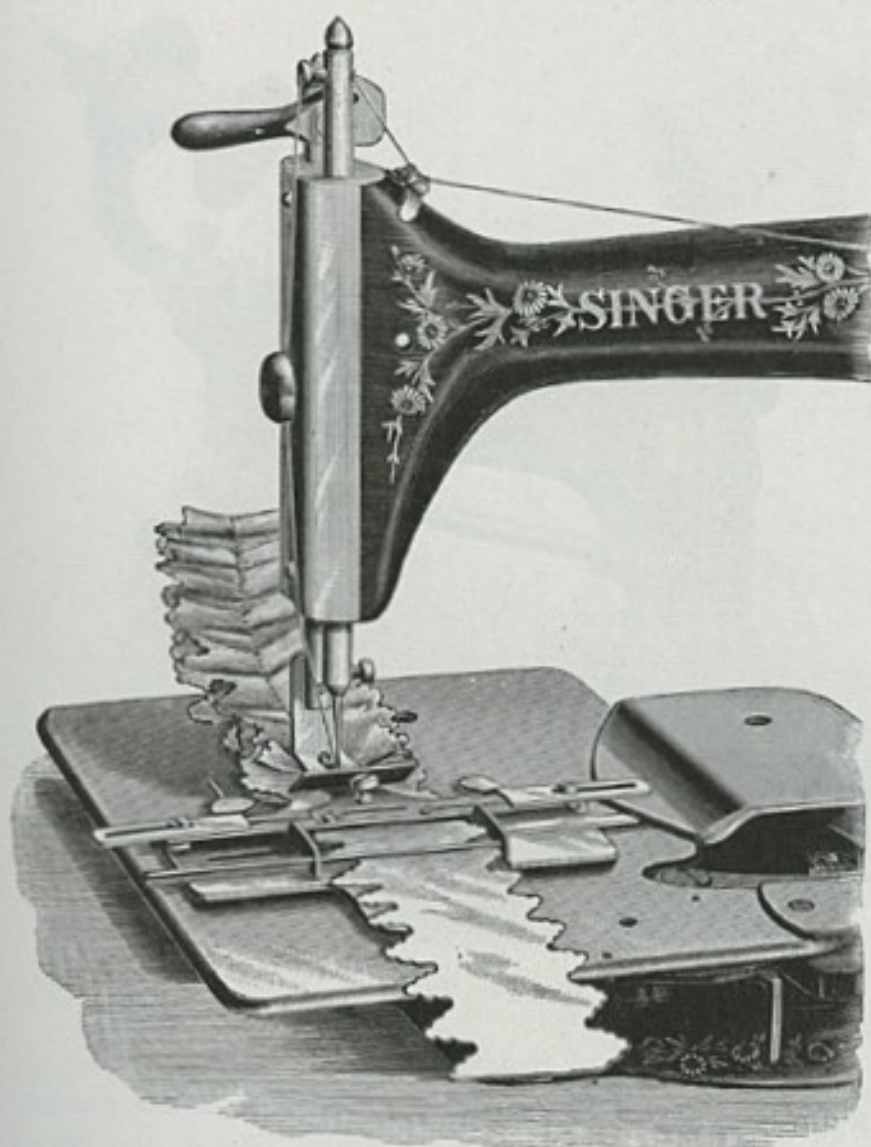


MACHINE NO. 24-17

NO.	DESCRIPTION	PRICE
24-17	FOR FOLDING AND CRIMPING THE EDGES OF FABRICS. Has three folders No. 9929, $\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{4}$ inch. Machine has no stitching mechanism Cipher, EFKIR.	\$ 22 50

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

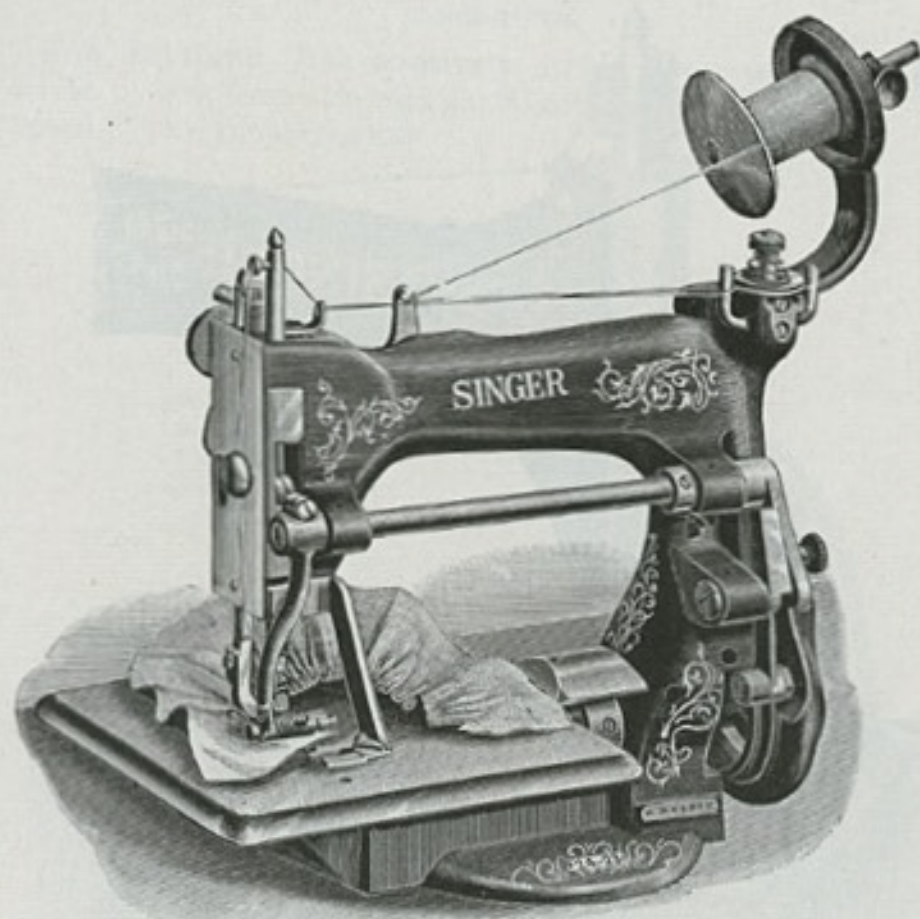
MACHINES OF CLASS 24



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 inch to 2 $\frac{3}{4}$ inches wide; plain tension.....	\$ 75 00
	Speed 1000. Cipher, EFKOS.	
24-21	FOR TWO ROW STITCHING. Has two needles, two loopers, $\frac{1}{16}$ to $\frac{5}{8}$ inch gauges, 4 to 12 stitches to the inch; plain tension..	45 00
	Speed 2500. Cipher, EFKUT.	

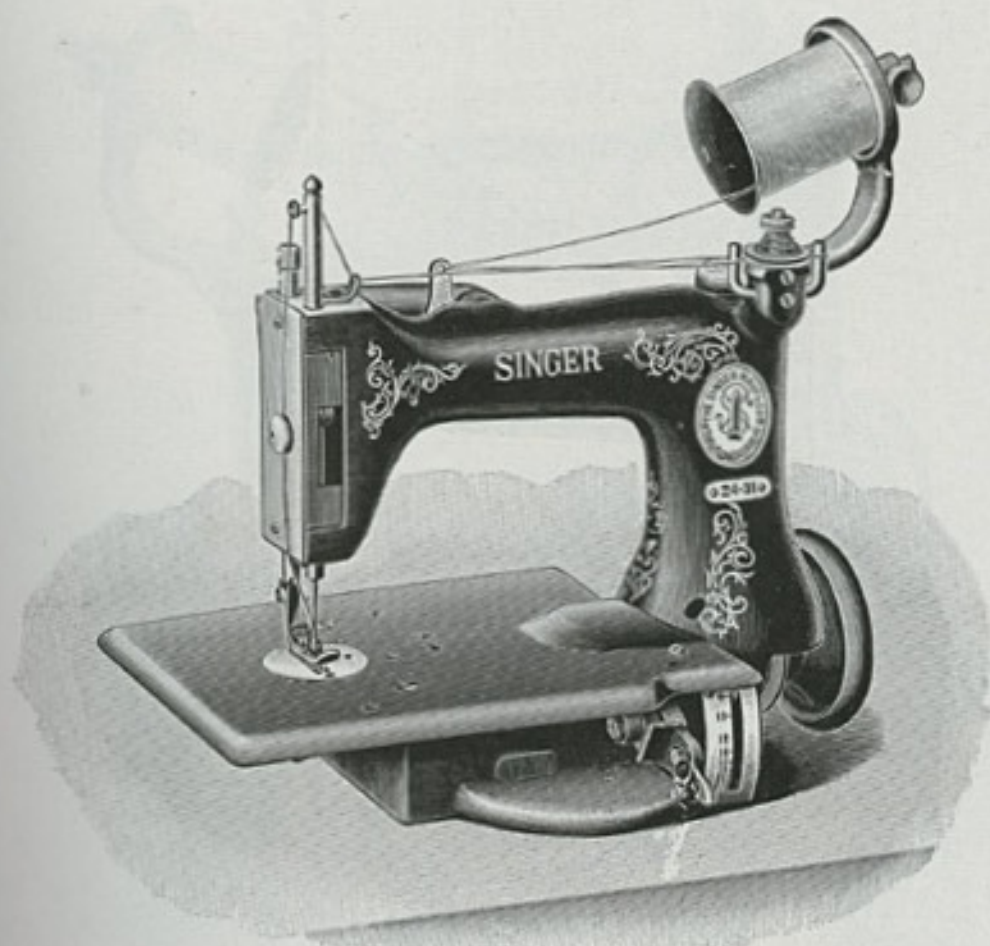
MACHINES OF CLASS 24



MACHINE NO. 24-23

NO.	DESCRIPTION	PRICE
24-23	FOR FULL OR SCANT RUFFLING on either edge of the goods. Has right and left hand guides and separator blades, and positive ruffling mechanism; plain tension.....	\$ 40 00
	Speed 2000. Cipher, EFKYV.	
24-26	FOR STITCHING IN FABRICS, 8 to 30 stitches to the inch; automatic tension	22 50
	Speed 2500. Cipher, EFLER.	
24-29	FOR FULL OR SCANT RUFFLING on either edge of the goods. Has two needles and 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	62 50
	Speed 2000. Cipher, EFL0T	

MACHINES OF CLASS 24

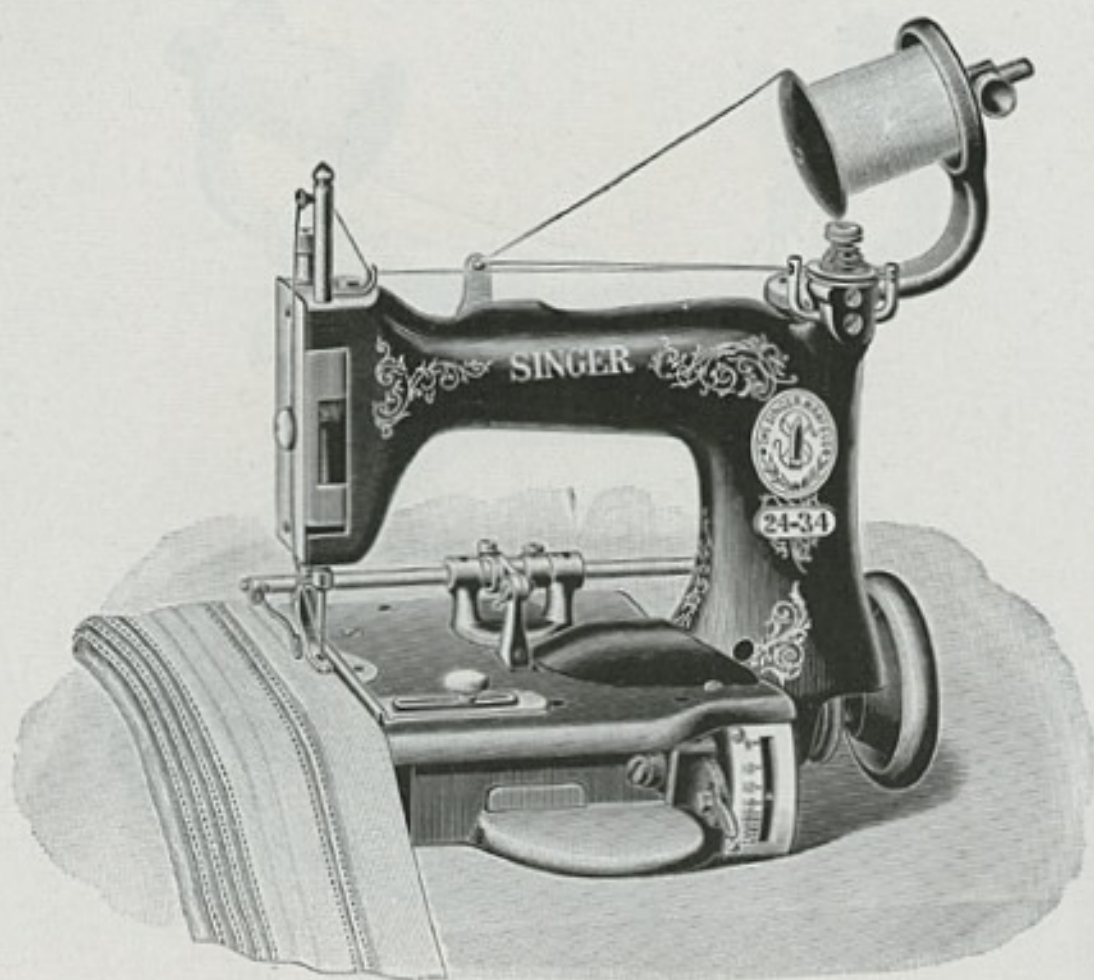


MACHINE No. 24-31

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
24-31	FOR STITCHING IN FABRICS. Has plain tension, 8 to 30 stitches to the inch Speed 2500. Cipher, EFMAR.	\$ 25 00
24-32	HAS AUTOMATIC TENSION, otherwise same as No. 24-31..... Speed 2500. Cipher, EFMES.	25 00
24-33	FOR CAP WORK, ETC. Makes 4 to 12 stitches to the inch; plain tension Speed 2000. Cipher, EFMIT. See Form 9020.	25 00

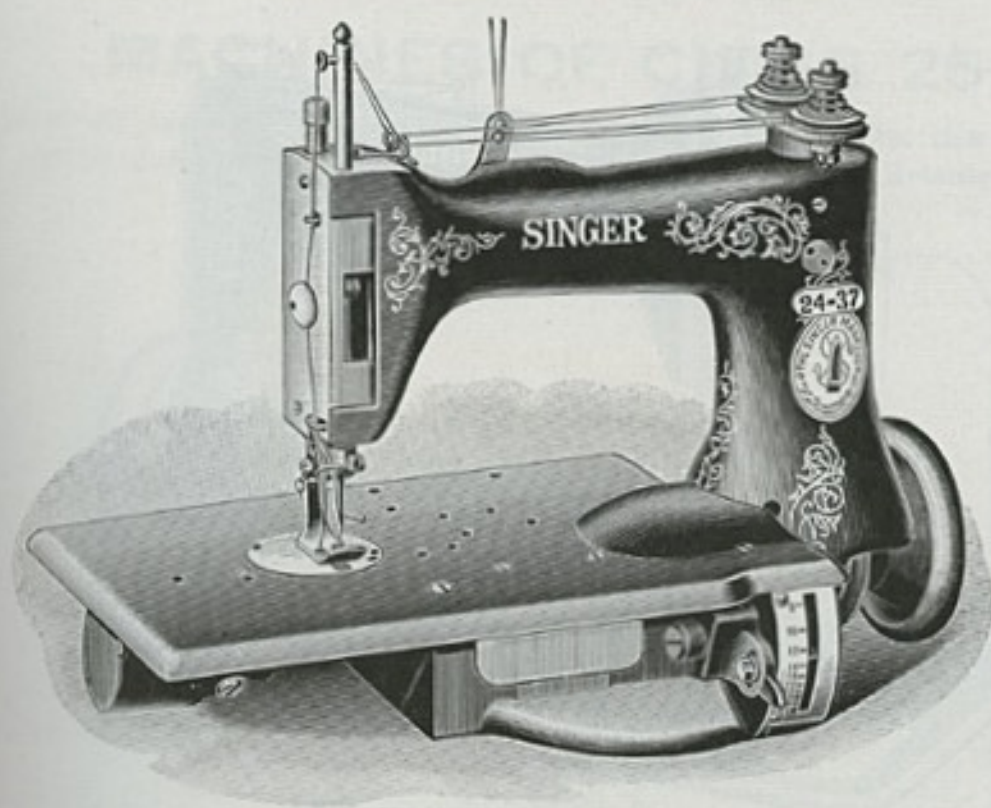
MACHINES OF CLASS 24



MACHINE NO. 24-34

NO.	DESCRIPTION	PRICE
24-34	FOR TUCKING. Has positively driven power tuck marker driven from looper shaft; plain tension Speed 2500. Cipher, EFMOV.	\$ 28 00
24-36	FOR Two Row STITCHING. Has two needles, two loopers, gauges $\frac{1}{16}$ to $\frac{5}{8}$ inch; plain tension, 8 to 30 stitches to the inch. Speed 2500. Cipher, EFNAS.	45 00

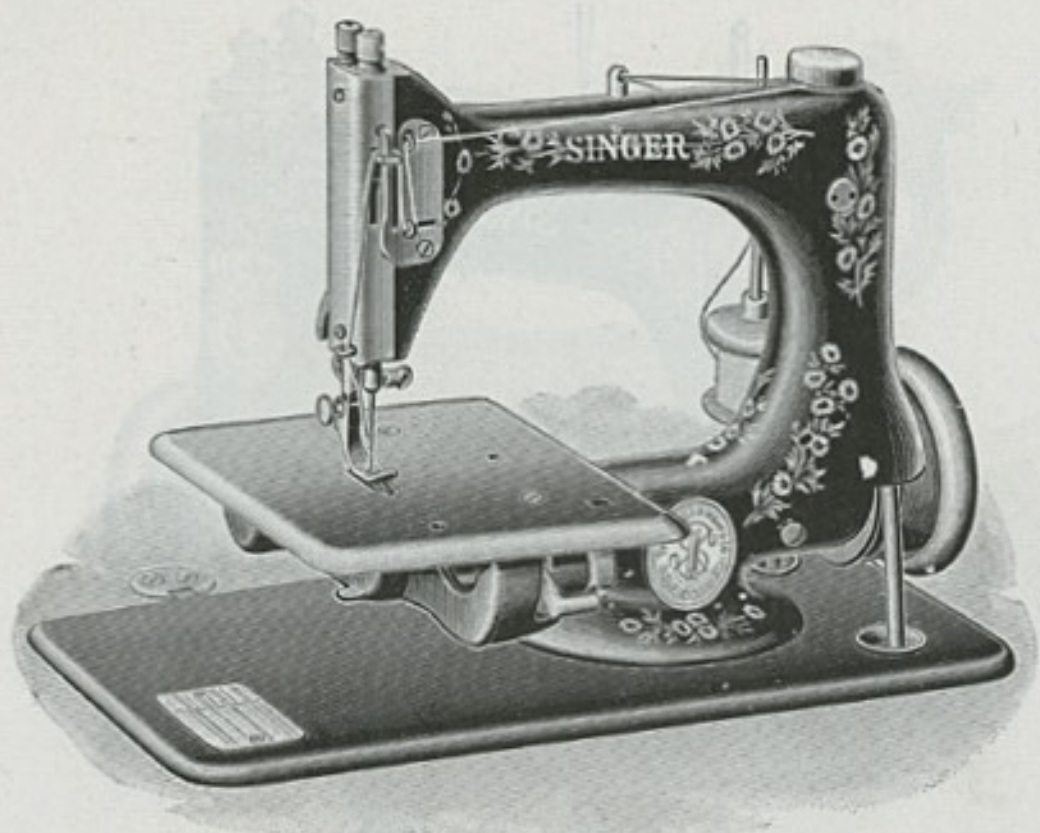
MACHINES OF CLASS 24



MACHINE NO. 24-37

NO.	DESCRIPTION	PRICE
24-37	FOR TWO ROW STITCHING. Has two needles, two loopers, gauges $\frac{1}{16}$ to $\frac{5}{8}$ inch, automatic tension, 8 to 30 stitches to the inch Speed 2500. Cipher, EFNET.	\$ 45 00
24-38	FOR TUCKING. Has positively driven power tuck marker driven from looper shaft; automatic tension..... Speed 2500. Cipher, EFNIV.	28 00
24-39	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..... Speed 2500. Cipher, EFNOW.	25 00

MACHINES OF CLASS 24



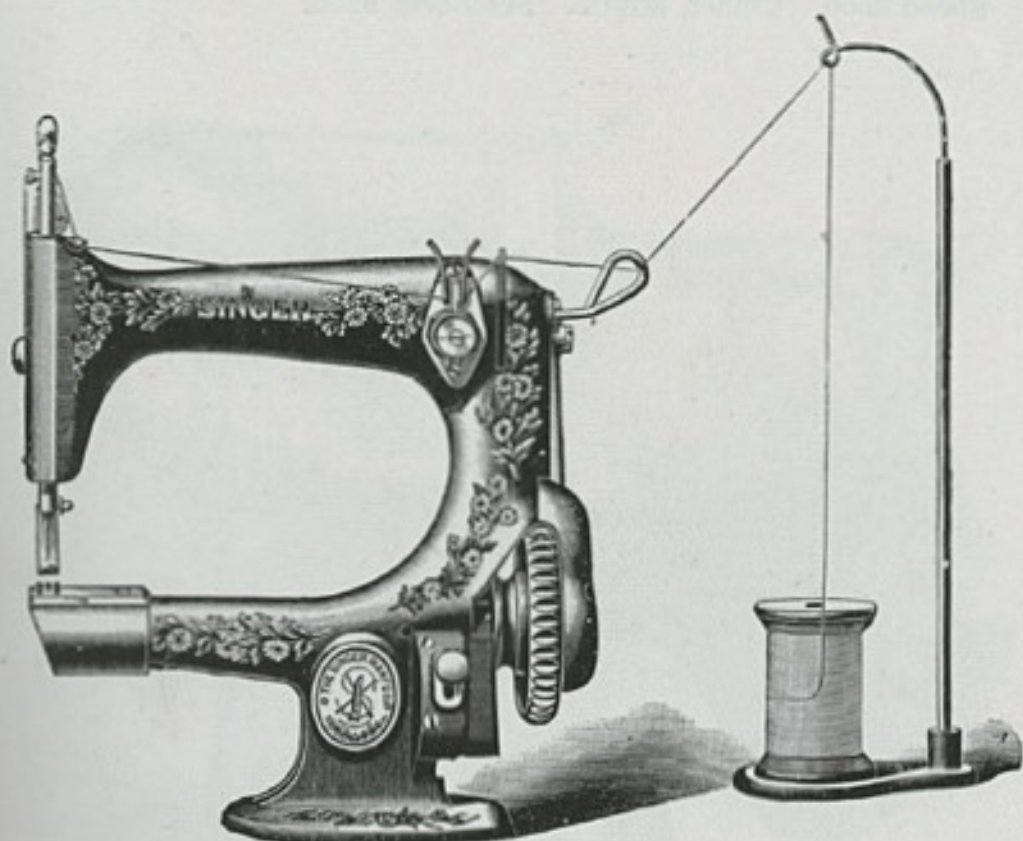
MACHINE No. 24-50

NO.	DESCRIPTION	PRICE
24-50	FOR FAMILY USE. Automatic tension. Cipher, EFRUB.	\$ — —
24-51	FOR FAMILY USE. Automatic tension; has hand attachment Cipher, EFRYC.	— —
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 Speed 2500. Cipher, EFSAX.	22 50
24-53	FOR STITCHING IN FABRICS; 8 to 30 stitches to the inch, plain tension. Speed 2500. Cipher, EFSEZ.	22 50
24-54	FOR FORMING AND STITCHING PICOT EDGING upon lace curtains, draperies, millinery goods, and novelty trimmings. Automatic tension. Speed 2000. Cipher, EFSOB. See Form 9020.	85 00
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; has two needles and two loopers, plain tension, gauges $\frac{3}{8}$ inch and $\frac{7}{16}$ inch, 8 to 30 stitches to the inch. See Form 9245. Speed 2500. Cipher, EFSUC.	50 00

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

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.



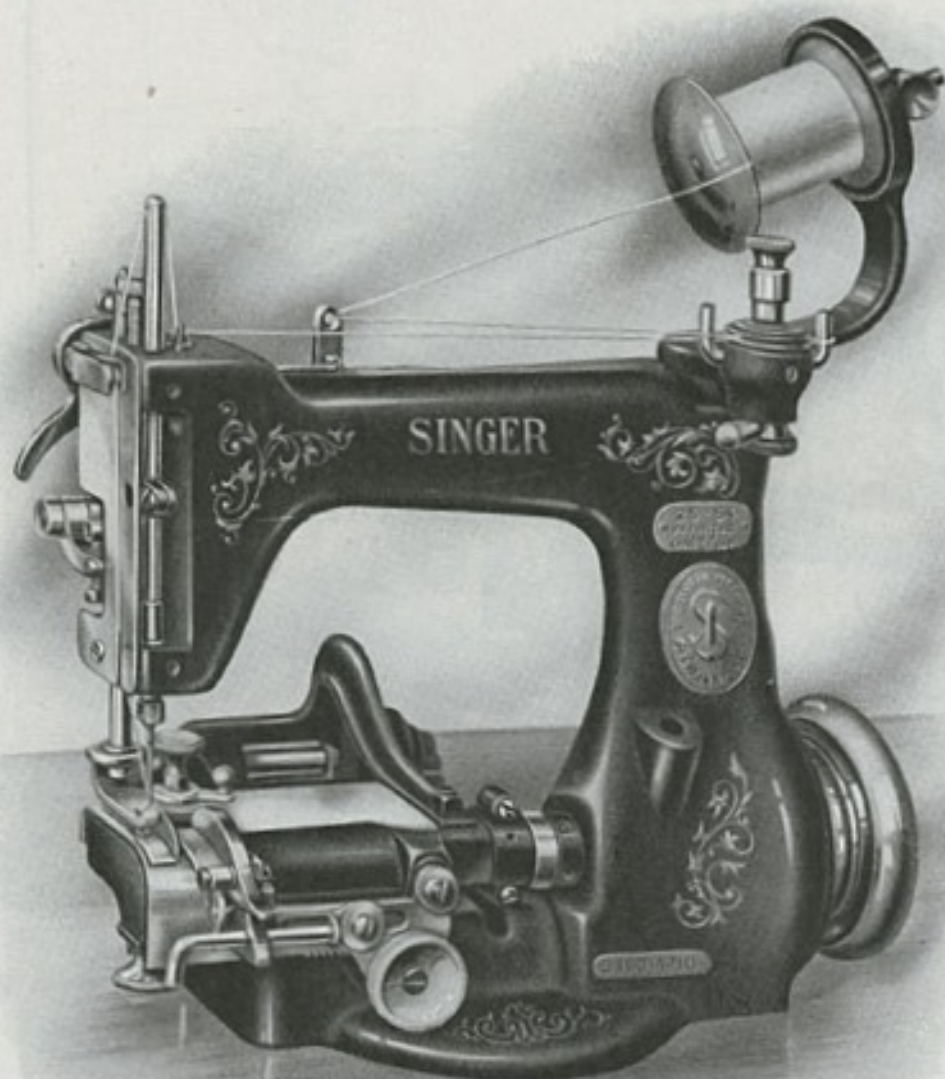
MACHINE NO. 25-1

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 those of machines of Class 24. See Form 9019.

NO.	DESCRIPTION	PRICE
25-1	FOR LIGHT FABRICS. Automatic tension, 8 to 30 stitches to the inch. Speed 2500. Cipher, EFTYE.	\$ 35 00
25-2	FOR LIGHT FABRICS. Plain tension, 8 to 30 stitches to the inch. Speed 2500. Cipher, EFVEB.	35 00
25-3	FOR MANUFACTURING, CAP WORK, ETC. Automatic tension, 4 to 12 stitches to the inch. Speed 2000. Cipher, EFVIC.	35 00
25-4	FOR MANUFACTURING, CAP WORK, ETC. Plain tension, 4 to 12 stitches to the inch. Speed 2000. Cipher, EFVOD.	35 00
25-6	FOR MAKING A LOOSE STITCH IN SILK MITTS AND KNITTED GARMENTS. Has automatic measuring tension, 8 to 30 stitches to the inch. Speed 2500. Cipher, EFZAD.	35 00

MACHINES OF CLASS 25

NO.	DESCRIPTION	PRICE
25-52	FOR STITCHING HEAVY COTTON FLANNEL GLOVES, for harvesters, lumbermen, etc.; bed not cylindrical, plain tension, knee lifter; 5 to 12 stitches to the inch.....	\$ 35 00
	Speed 2500. Cipher, EGBUL. See Form 9250.	



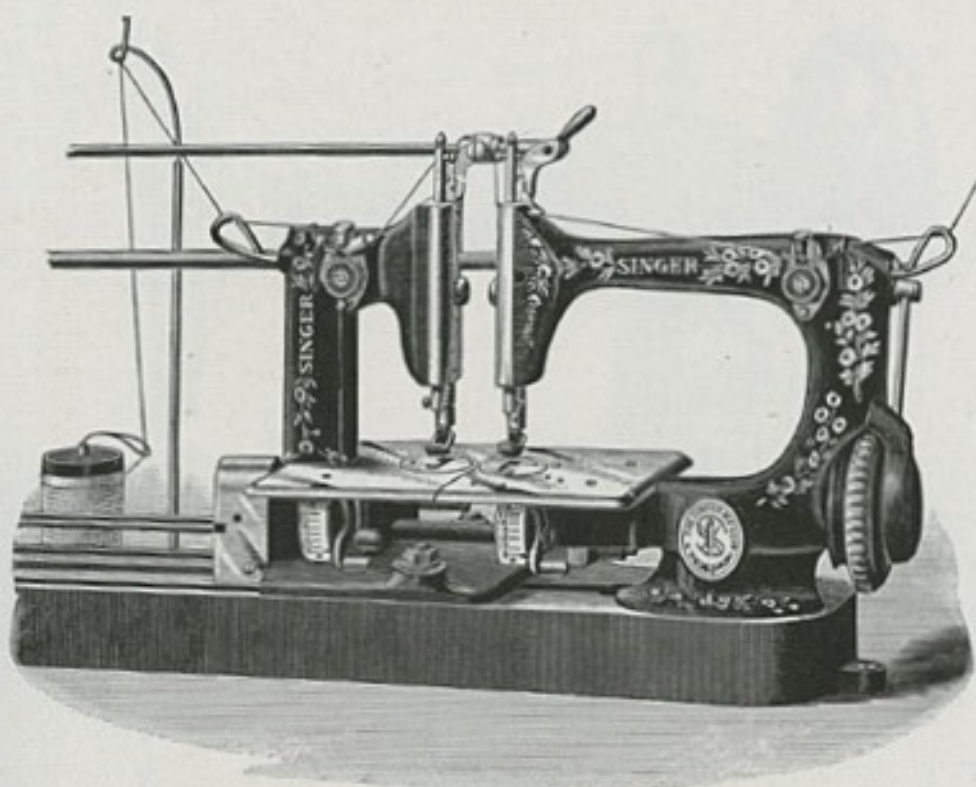
MACHINE No. 25-54

NO.	DESCRIPTION	PRICE
25-54 Order No. 25-55	FOR STITCHING STRAW BRAID FOR HATS; bed not cylindrical, plain tension, knee lifter; has guides, feed dogs, presser feet, etc., for the different varieties of braid.....	\$ 35 00
	Speed 2500. Cipher, EGCAH. See Form 9251.	

25-55 FOR STITCHING STRAW BRAID FOR HATS. Bed not cylindrical, with lever on side of arm next to the operator for throwing the tipper into and out of action, plain tension, knee lifter. Has guides, feed dogs, presser feet, etc., for the different varieties of braid....\$35.00
Speed 2500. Cipher, EGOEJ. See Form 9297.
Supersedes 25-54 Machine.

MACHINES OF CLASS 26

Rotating hooks. Single thread chain stitch.



MACHINE NO. 26-1

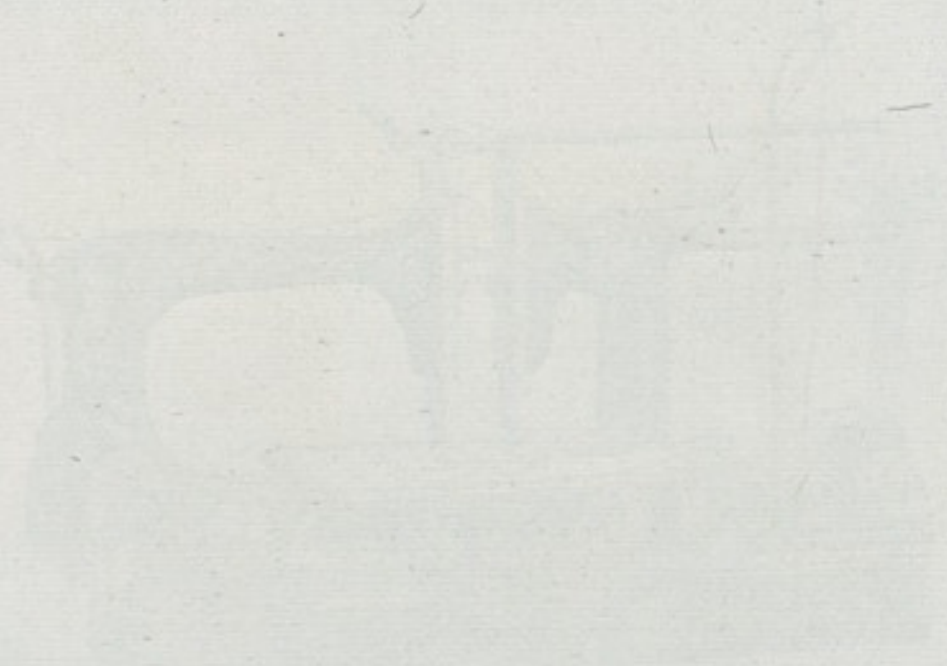
Each machine of Class 26 consists of two stitching mechanisms, the one at the right rigidly attached to a base, the other movable, for the purpose of changing the distance between needles, but fastened to the base while in operation; they work in unison while stitching and make two parallel lines of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

See Forms 9018 and 9063.

NO.	DESCRIPTION	PRICE
26-1	AUTOMATIC TENSION. Distance between needles adjustable from 1½ to 16 inches, base 29 inches long Speed 2000. Cipher, EGDIL.	\$100 00
26-2	AUTOMATIC TENSION. Distance between needles adjustable from 1½ to 24 inches, base 37 inches long Speed 2000. Cipher, EGDOM	110 00

MACHINES OF CLASS 22

THESE MACHINES ARE USED FOR THE PURPOSE OF

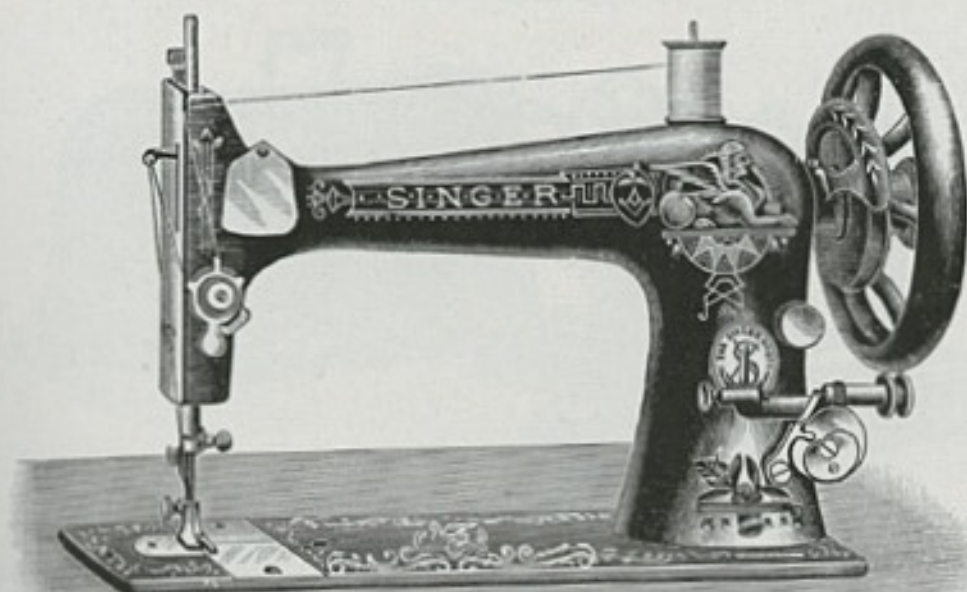


THESE MACHINES ARE USED FOR THE PURPOSE OF
PUMPING WATER FROM ONE PLACE TO ANOTHER
AND ARE USED IN THE FOLLOWING MANNER:

1. The machine is used for pumping water from one place to another.
2. The machine is used for pumping water from one place to another.
3. The machine is used for pumping water from one place to another.

MACHINES OF CLASS 27

Bed 14 $\frac{1}{2}$ inches long, 8 inches clear space at right of needle. Vibrating shuttle mechanism

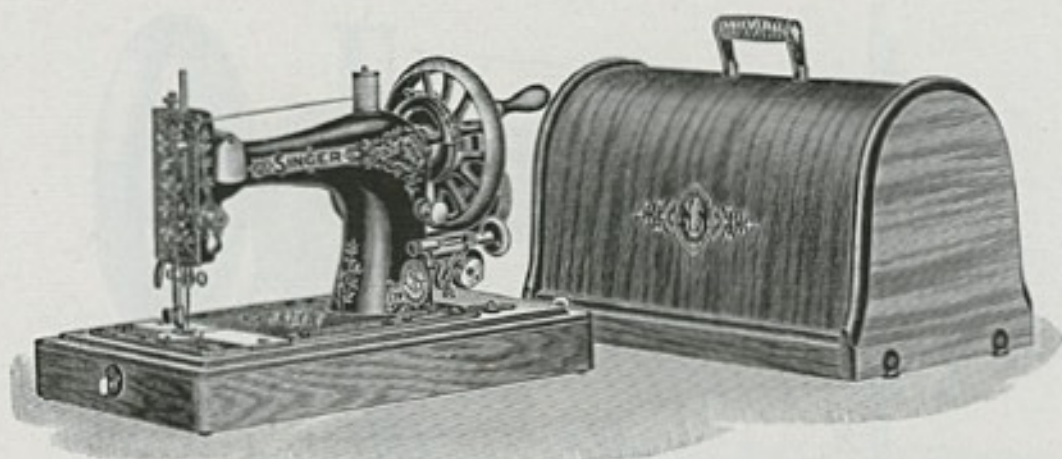


MACHINE NO. 27-4

NO.	DESCRIPTION	PRICE
27-4	FOR FAMILY USE Cipher, EGFAK.	\$ — —

MACHINES OF CLASS 28

Bed 12¼ inches long, 6½ inches clear space at right of needle. Vibrating shuttle mechanism.

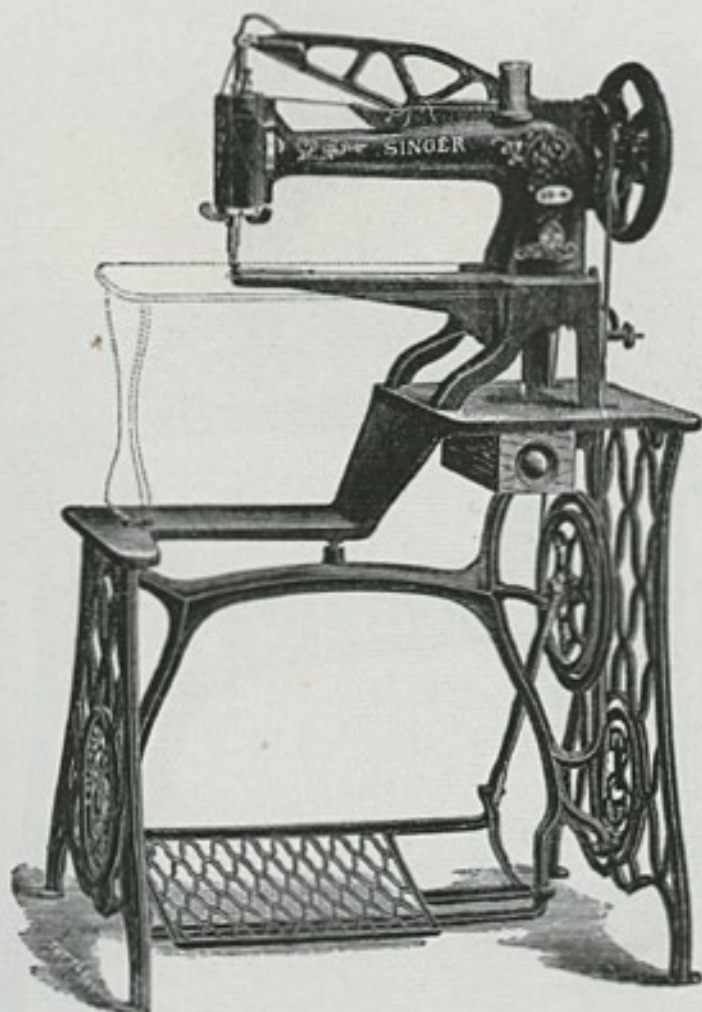


MACHINE No. 28-4 WITH No. 5165

NO.	DESCRIPTION	PRICE
28-3	FOR FAMILY USE (Export only) Cipher, EGFYP.	\$ — —
28-4	FOR FAMILY USE. Has hand driving attachment. Cipher, EGGAM.	— —

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.

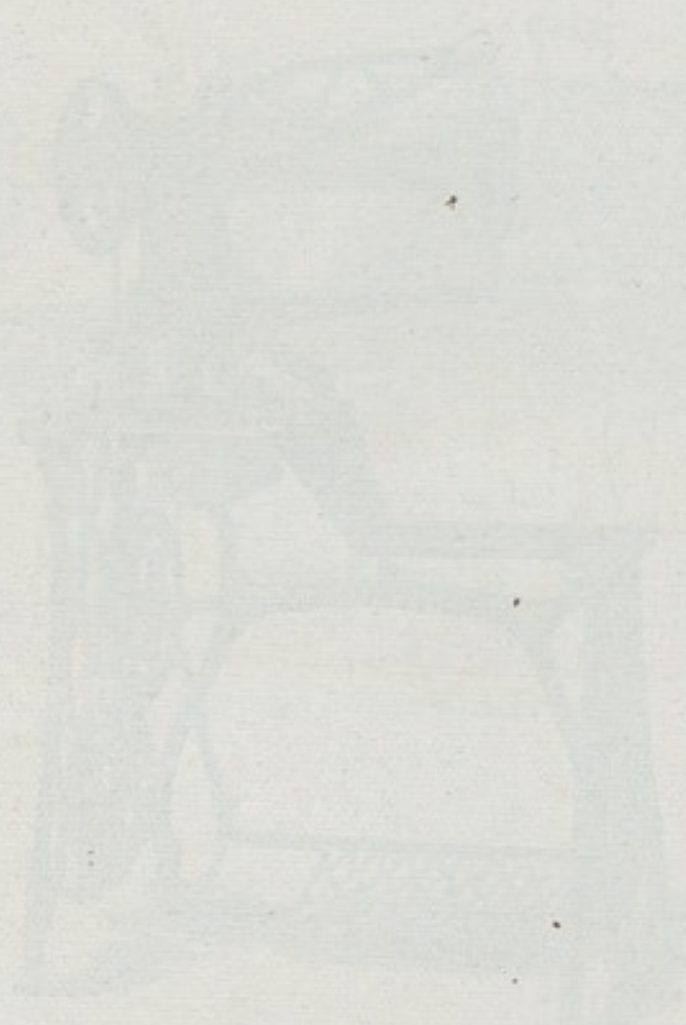


MACHINE NO. 29-4 ON TABLE NO. 5225 AND STAND NO. 25234

NO.	DESCRIPTION	PRICE
29-4	FOR SHOE REPAIRING, putting in gores, etc. Needle descends $\frac{1}{8}$ inch from end of lower arm which is one inch deep and one inch across. Has upper feed only, which moves the work in any desired direction. Head only.....	\$ 37 50
	Cipher, EGGYS. See Form 9062.	

MACHINES OF CLASS 25

THESE MACHINES ARE USED FOR THE PURPOSE OF CLASS 25



THESE MACHINES ARE USED FOR THE PURPOSE OF CLASS 25

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 FOOT POWER STAND NO. 25265

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 9022.

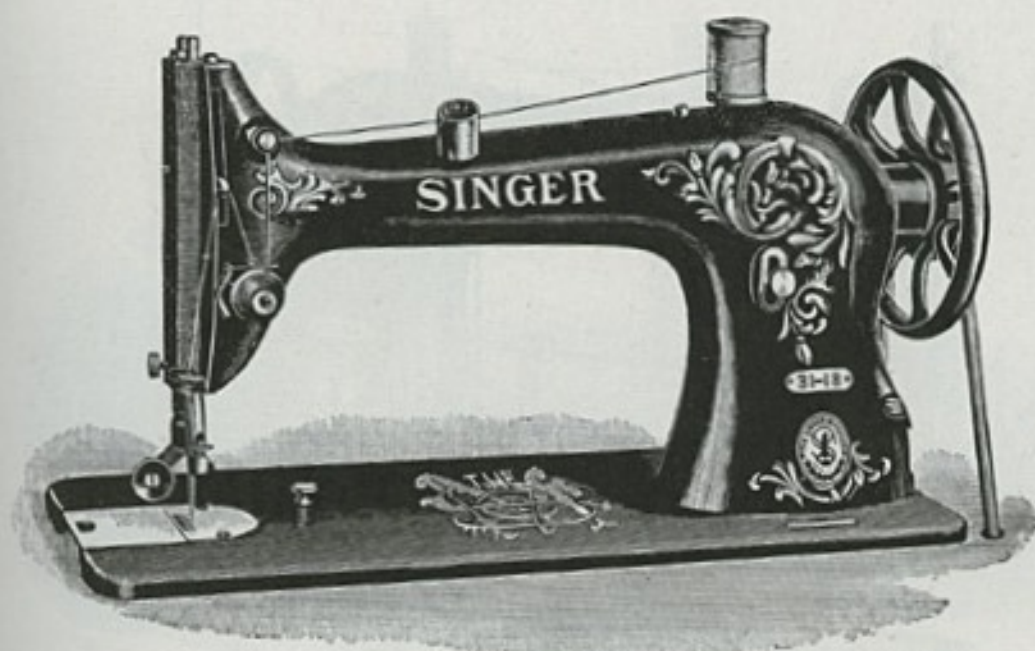
MACHINES OF CLASS 31



MACHINE NO. 31-15

NO.	DESCRIPTION	PRICE
31-15	FOR CLOTH, TAILORING, ETC. Drop feed, bobbin No. 2996.. Speed 2200. Cipher, EGHOR. See Form 9167.	\$ 25 00
31-16	FOR MACKINTOSH AND GOSSAMER RUBBER WORK. Has special shuttle and sectional race for easy removal of shuttle for cleaning. Drop feed, special presser foot and oil cup, bobbin No. 2996..... Speed 2000. Cipher, EGHUS. See Form 9168.	25 00
31-17	FOR LEATHER. Drop feed, roller presser, bobbin No. 2996.. Speed 2000. Cipher, EGHYT. See Form 9169.	25 00

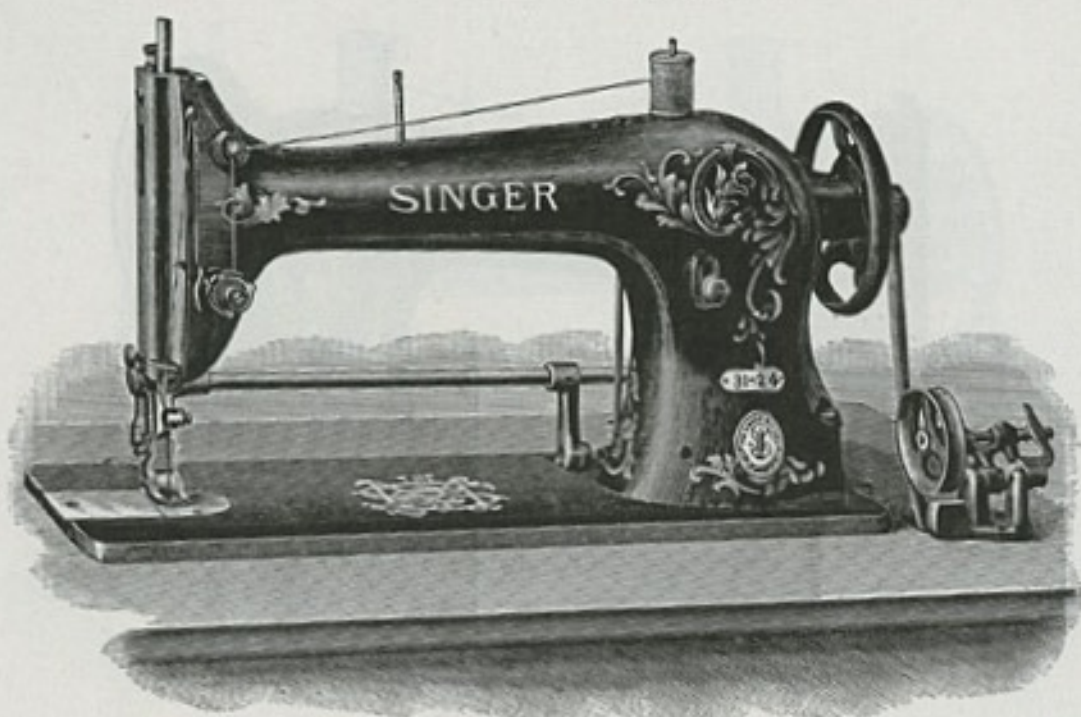
MACHINES OF CLASS 31



MACHINE No. 31-18

NO.	DESCRIPTION	PRICE
31-18	FOR LEATHER. Wheel feed, roller presser, bobbin No. 2996. Speed 2000. Cipher, EGJEP. See Form 9170.	\$ 25 00
31-19	FOR ENAMELLED OR PLAIN CLOTH, also light leather; especially useful for fabrics of uneven thickness. Has drop feed and alternating pressers, bobbin No. 2996. (See also Machine No. 44-9.) Speed 2000. Cipher, EGJIR. See Form 9171.	30 00
31-20	FOR CLOTH. Throat plate flush with bed, drop feed, bobbin No. 19131 Speed 2200. Cipher, EGJOS. See Form 9172.	25 00
31-21	FOR LEATHER. Drop feed, roller presser, bobbin No. 19131. Speed 2000. Cipher, EGJUT. See Form 9173.	25 00
31-22	FOR CLOAKS AND OTHER HEAVY CLOTH WORK. Throat plate flush with bed, drop feed, high lift presser, bobbin No. 19131... Speed 2200. Cipher, EGKAP. See Form 9174.	25 00

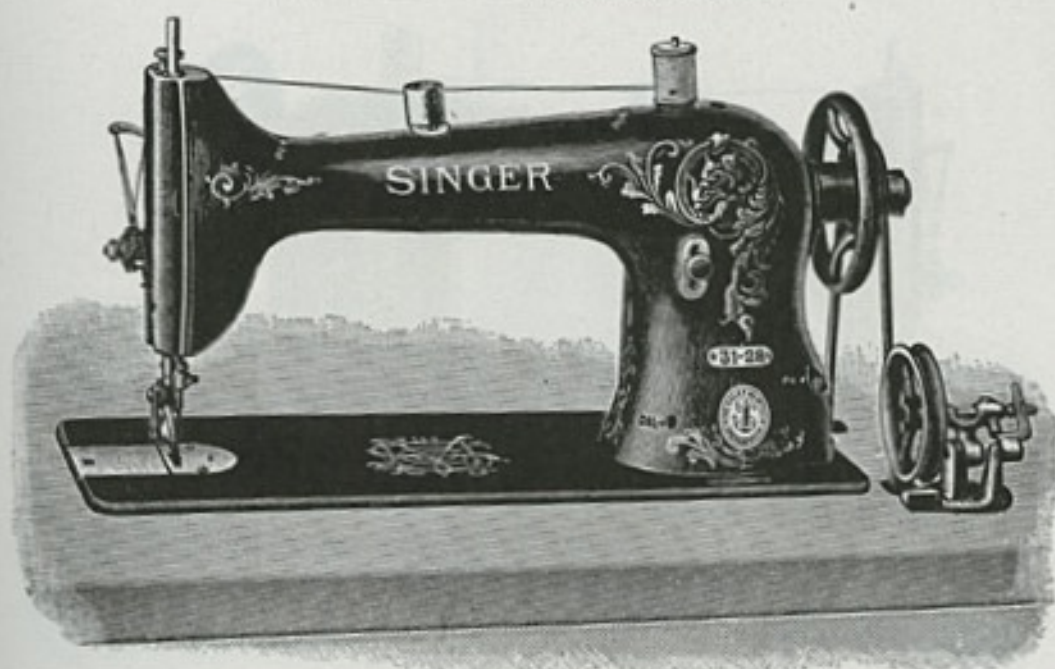
MACHINES OF CLASS 31



MACHINE No. 31-24

NO.	DESCRIPTION	PRICE
31-24	FOR SHADE WORK, SEAMING AND FELLING FABRICS, ETC. Has reciprocating slide above the work under the presser foot, drop feed, bobbin No. 19131 Speed 2200. Cipher, EGKER.	\$ 35 00
31-27	FOR FULL OR SCANT RUFFLES on thick or thin fabrics, for aprons, dresses, infants' garments, skirts, etc. Positive ruffling mechanism, drop feed, bobbin No. 2996 Speed 2200. Cipher, EGKIS. See also Machines Nos. 31-60, 44-22, 44-28 and 44-60.	50 00

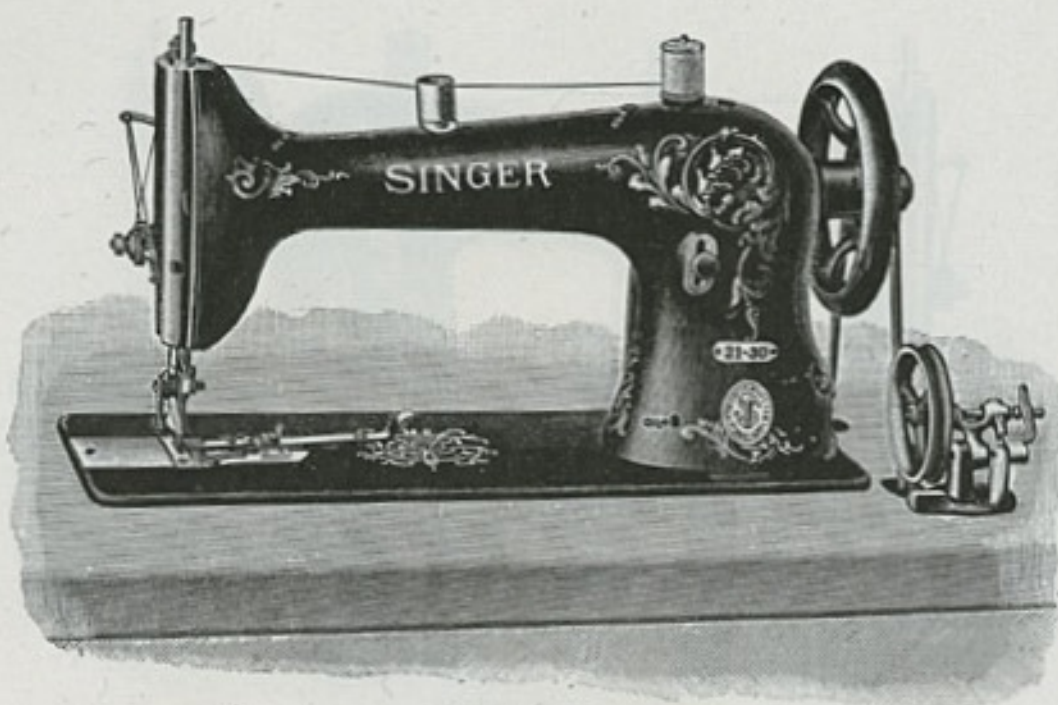
MACHINES OF CLASS 31



MACHINE No. 31-28

NO.	DESCRIPTION	PRICE
31-28	FOR BOOTS AND SHOES, also other work in light and medium weight leather. Long beak shuttle, cam take-up, drop feed, bobbin No. 24051 Speed 1800. Cipher, EGKOT. See Form 9175.	\$ 25 00
31-29	Differs from No. 31-28 only in having wheel feed Speed 1800. Cipher, EGKUV.	25 00

MACHINES OF CLASS 31



MACHINE No. 31-30

NO.	DESCRIPTION	PRICE
31-30	FOR EDGE AND UNDER EDGE TRIMMING FOR BOOTS AND SHOES. Has long beak shuttle, cam take-up, horizontal trimmer, drop feed and roller presser, bobbin No. 24051 Speed 1600. CIPHER, EGLAR.	\$ 37 50
31-31	Differs from No. 31-30 only in having wheel feed Speed 1600. CIPHER, EGLES.	37 50
31-32	FOR CLOTH. Has reversible drop feed, bobbin No. 2996 Speed 2200. CIPHER, EGLIT. See Form 9176.	25 00
31-34	FOR HORSE BLANKETS, BURLAPS AND OTHER WORK. Makes stitch up to $\frac{1}{3}$ inch long, drop feed Speed 2000. CIPHER, EGLOV. See Form 9177.	25 00

MACHINES OF CLASS 31



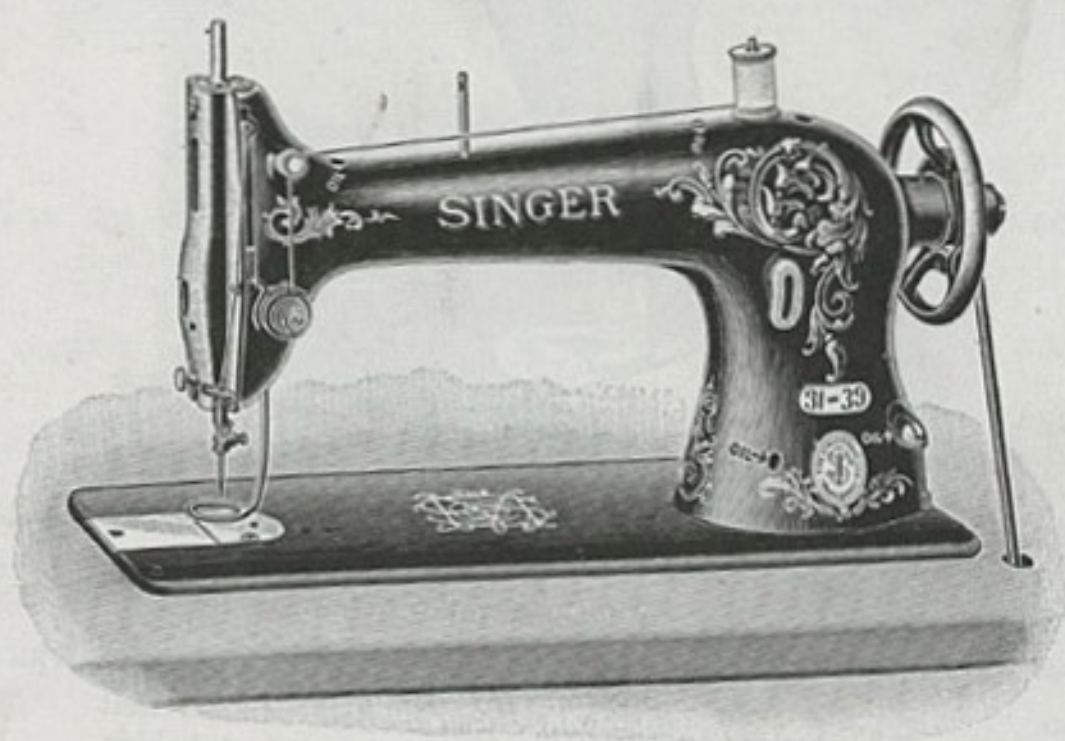
MACHINE NO. 31-35

NO.	DESCRIPTION	PRICE
31-35	FOR LIGHT OR HEAVY CLOTH. Has vertical trimmer that trims from $\frac{1}{16}$ to $\frac{1}{4}$ inch from the seam; drop feed, bobbin No. 2996. 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. Speed 1800. Cipher, EGLYX. See Form 9178. See also Machine No. 44-8.	\$ 35 00
31-36	FOR LEATHER. Has vertical trimmer, drop feed and bobbin No. 2996 Speed 1800. Cipher, EGMAS. See Form 9179. See also Machine No. 44-4.	35 00

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 31

NO.	DESCRIPTION	PRICE
31-37	MAKES SINGLE, DOUBLE OR TRIPLE BOX PLAITS OR RUFFLES across strips up to $2\frac{1}{4}$ inches wide, or upon the edges of wide fabrics, and stitches them down from $\frac{1}{16}$ to $1\frac{1}{8}$ 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. Speed 600. Cipher, EGMET. See Form 9180 for illustrations. See also Machine No. 31-63.	\$115 00
31-38	FOR LEATHER. Has vertical trimmer, wheel feed and bobbin No. 2996 Speed 1800. Cipher, EGMIV. See Form 9181. See also Machine No. 44-25.	35 00



MACHINE NO. 31-39

NO.	DESCRIPTION	PRICE
31-39	FOR DARNING LACE CURTAINS. Throat plate with small needle hole, no feed mechanism. Speed 1800. Cipher, EGMOW. See Form 9182.	\$ 25 00

MACHINES OF CLASS 31

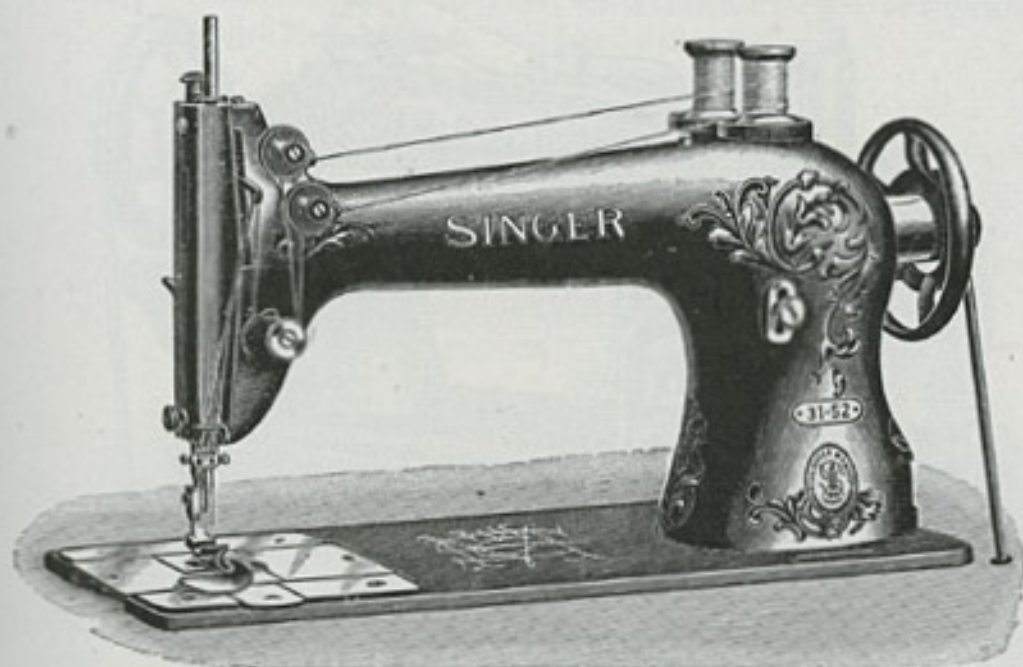


MACHINE No. 31-40

NO.	DESCRIPTION	PRICE
31-40	FOR STITCHING SHOES, SANDAL SLIPPERS, ETC., and at the same time undertrimming the linings. Has suspended, oblique underedge trimmer, with knife disengaging device operated by the knee or foot lifter, adjustable protecting guide for the edge of upper piece, drop feed and bobbin No. 2996. Orders for Machines Nos. 31-40 and 31-41 should state whether they are for women's or men's shoes, or for sandal slippers.... Speed 1600. Cipher, EGMUX. See Form 9183. See also Machines Nos. 44-18, 44-19, 44-26 and 44-27.	\$ 42 50
31-41	Differs from No. 31-40 only in having wheel feed..... Speed 1600. Cipher, EGMYZ.	42 50
31-42	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..... Speed 200. Cipher, EGNAT. See Form 9184.	45 00
31-43	FOR BOOTS, SHOES and other work in light and medium weight leather; has vertical trimmer, long beak shuttle, cam thread take-up and wheel feed..... Speed 1800. Cipher, EGNEV.	35 00

MACHINES OF CLASS 31

TWO NEEDLES, TWO SHUTTLES, BOBBIN NO. 19131



MACHINE NO. 31-52, WITH LAP SEAM FELLER

NO.

DESCRIPTION

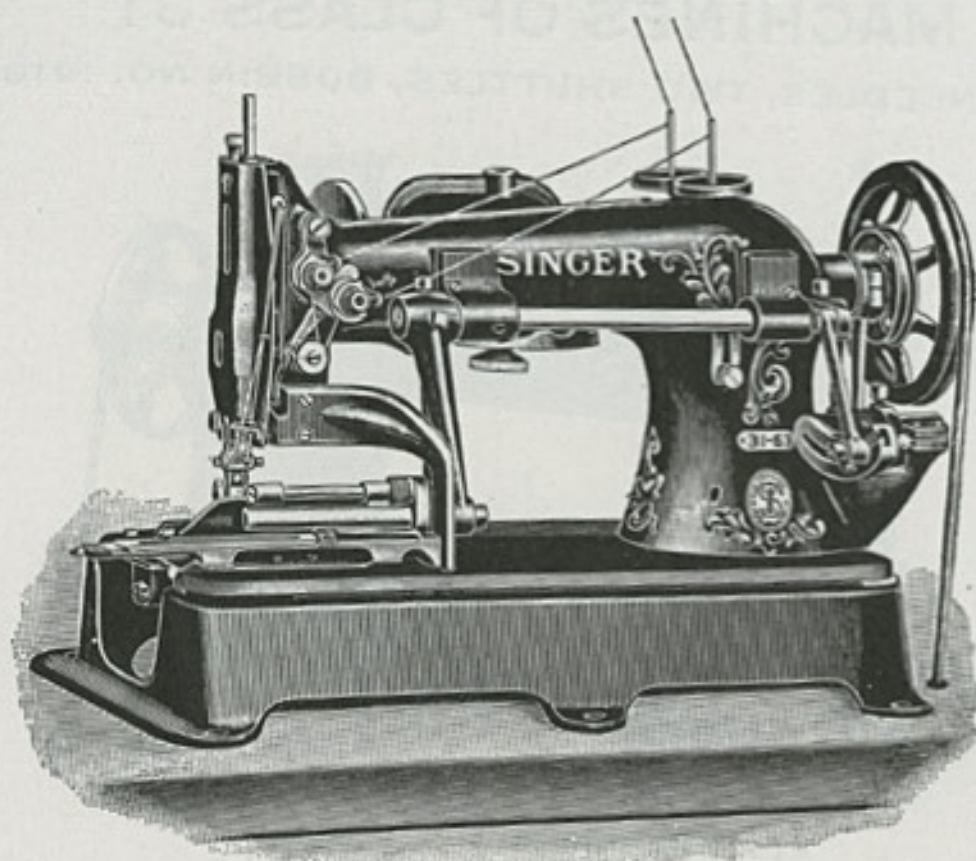
PRICE

The Lap Seam Feller is furnished with the 31-52 machine only when so ordered and at an additional price of \$2.55 net.

\$ 62 50

- 31-53 FOR HEAVY WORK ONLY, IN CLOTH, DUCK, CANVAS, ETC.; gauges from $\frac{3}{16}$ to $1\frac{1}{4}$ inches; throat plate flush with bed, drop feed 62 50
Speed 1800. Cipher, EGPYC. See Form 9157.
- 31-54 FOR CLOTH. Gauges from $\frac{1}{32}$ to $1\frac{1}{4}$ inches; throat plate flush with bed, drop feed 62 50
Speed 2000. Cipher, EGRAX. See Form 9185.
- 31-55 FOR VAMPING AND STAYING SHOES. Gauges from $\frac{1}{32}$ to $\frac{3}{16}$ inch for vamping and from $\frac{3}{32}$ to $\frac{1}{4}$ inch for staying; throat plate flush with bed, drop feed 62 50
Speed 1800. Cipher, EGREZ. See Form 9186.
- 31-60 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 $\frac{1}{8}$ to $\frac{3}{4}$ inch; drop feed 87 50
Speed 2000. Cipher, EGSOC.
See also Machines Nos. 31-27, 44-22, 44-28, 44-60 and 44-75.

MACHINES OF CLASS 31
TWO NEEDLES, TWO SHUTTLES

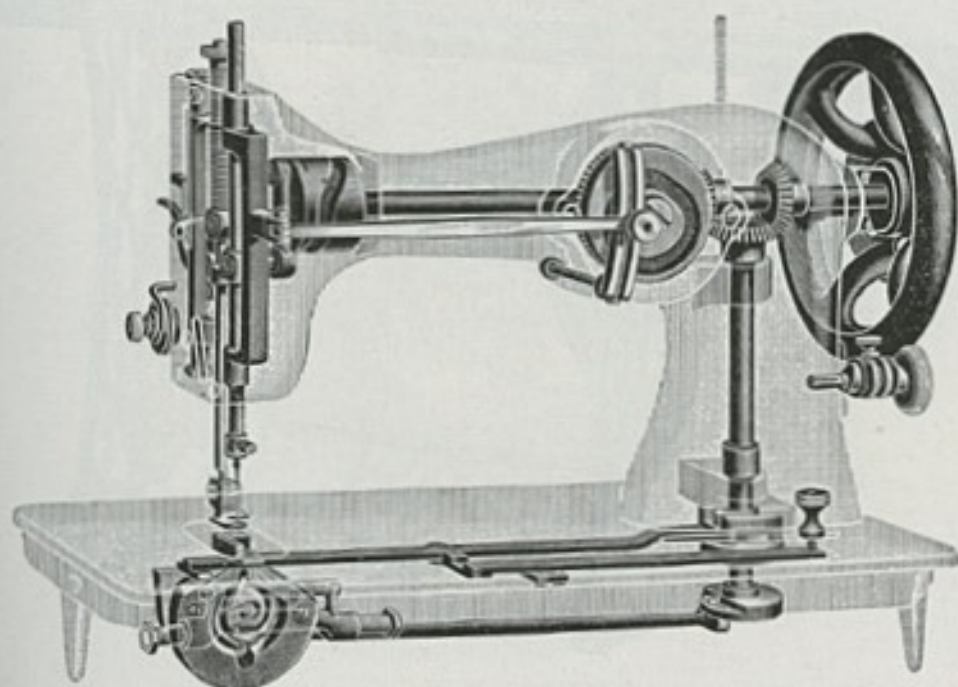


MACHINE NO. 31-63

NO.	DESCRIPTION	PRICE
31-62	FOR STITCHING IN LIGHT AND MEDIUM WEIGHT FABRICS. Gauges from $\frac{3}{32}$ to $1\frac{1}{4}$ inches; drop feed, alternating pressers. Speed 2000. Cipher, EGTEB. See Form 9187.	\$ 67 50
31-63	MAKES SINGLE, DOUBLE, TRIPLE AND QUADRUPLE BOX AND KNIFE PLAITS, in fabrics from $\frac{1}{2}$ to $6\frac{7}{16}$ inches wide, and from $\frac{1}{8}$ to $\frac{5}{8}$ inch deep; greatest distance between guide and needle on the right hand $2\frac{1}{2}$ 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; gauges of machine $\frac{3}{16}$ to $1\frac{1}{4}$ inches; drop feed... See also Machine No. 31-37.	200 00
31-64	FOR SKIRTS. Has positive ruffling mechanism and adjustable folding attachment for inserting flounce, lace or embroidery and simultaneously ruffling and securing the same under a fold of the material, which when finished has the appearance of strapped seams on the upper and under sides of the fabric. Drop feed. Gauges $\frac{3}{16}$ to $\frac{3}{8}$ inch. Supersedes Machine No. 31-61..... Speed 2000. Cipher, EGTOD.	97 50

MACHINES OF CLASS 32

Bed 15 $\frac{3}{4}$ inches long; 7 $\frac{1}{2}$ 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.

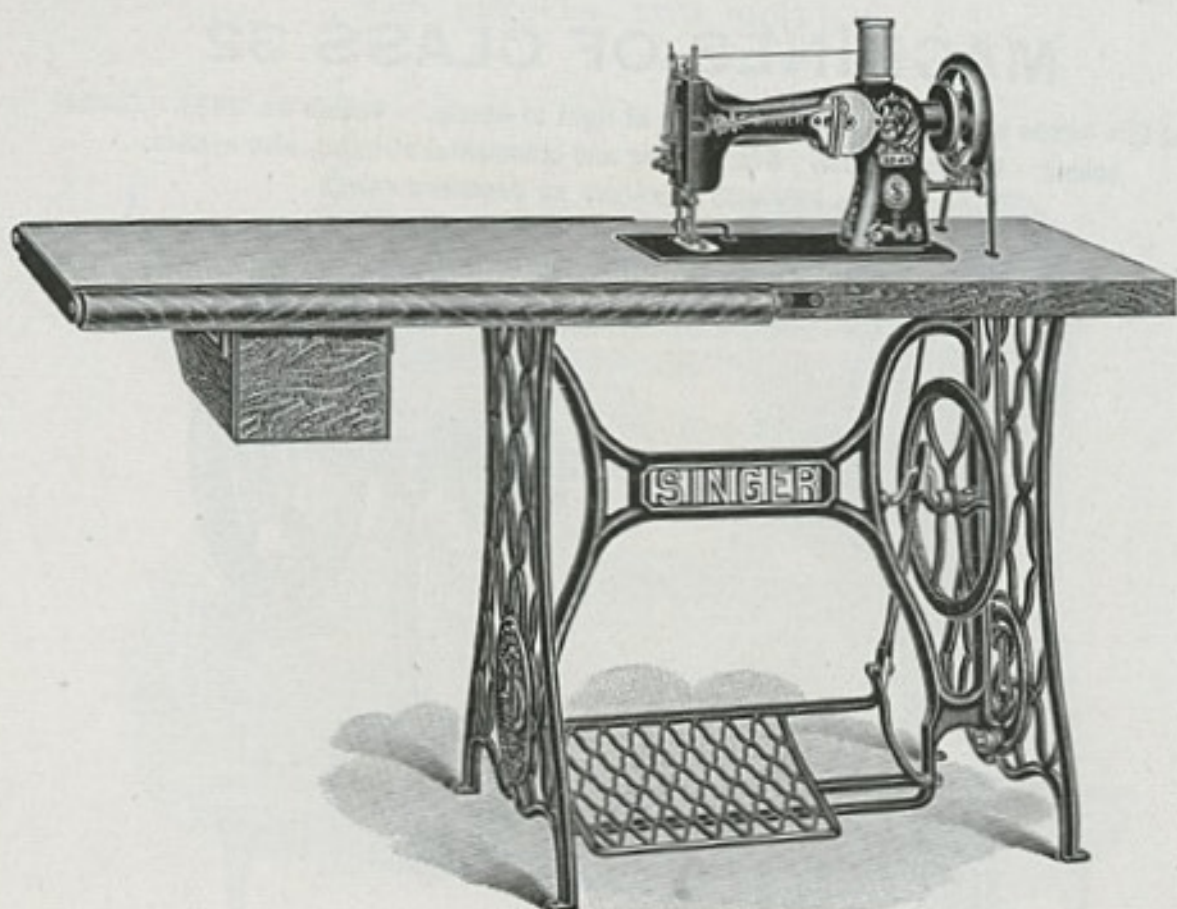


MACHINE No. 32-1 (Phantom view)

NO.	DESCRIPTION	PRICE
32-1	FOR OVERSEAMING. Needle throw up to $\frac{1}{4}$ inch; needle vibrates both sides of center line; drop feed.....	\$ 40 00
	Speed 1200. Cipher, EHBAH.	
32-24	FOR OVERSEAMING. Needle throw up to $\frac{1}{8}$ inch; needle vibrates to the right of center line; drop feed.....	40 00
	Speed 1200. Cipher, EHGUS.	
32-25	FOR OVERSEAMING. Needle throw up to $\frac{1}{8}$ inch; needle vibrates to the left of center line; drop feed.....	40 00
	Speed 1200. Cipher, EHGYT.	
32-26	FOR OVERSEAMING. Needle throw up to $\frac{1}{8}$ inch; needle vibrates both sides of center line; drop feed.....	40 00
	Speed 1200. Cipher, EHHEP.	
32-38	FOR OVERSEAM SERGING IN CLOTHING and has cord guiding presser foot for making long or short tacks in garments; drop feed	45 00
	Speed 1200. Cipher, EHJER.	

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

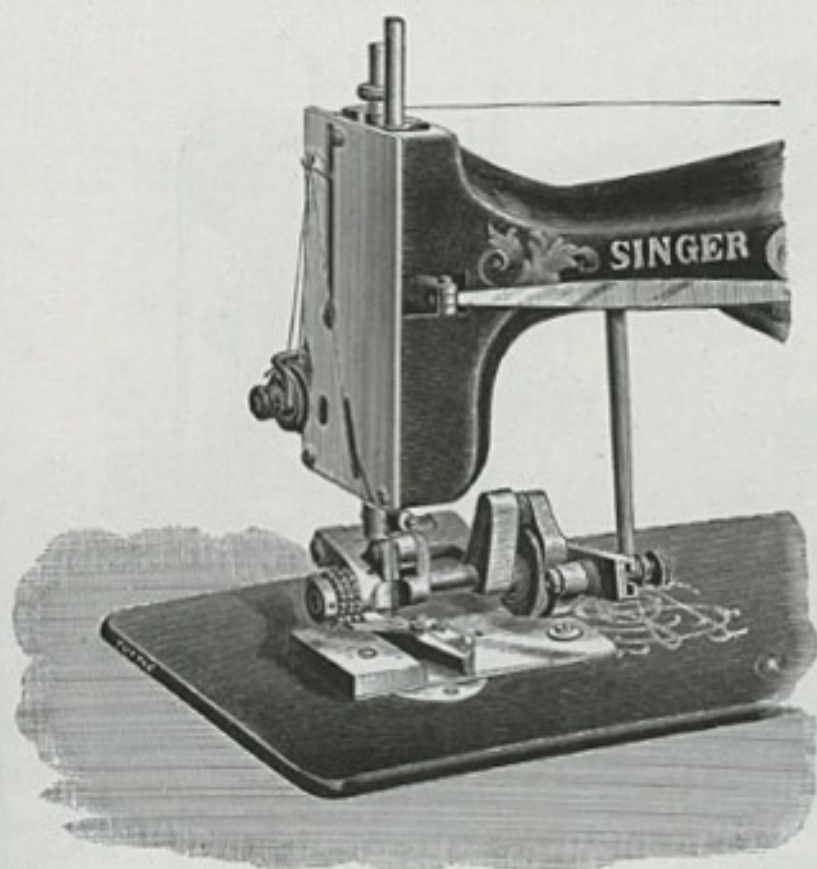
MACHINES OF CLASS 32



MACHINE NO. 32-45 ON TABLE NO. 5436 AND STAND NO. 25248

NO.	DESCRIPTION	PRICE
32-45	FOR OVERSTITCHING INGRAIN CARPETS. Has tension releaser, guide and knee lifter, upper and under feed, alternating pressers Speed 1200. Cipher, EHKIT. See Form 9029.	\$ 70 00

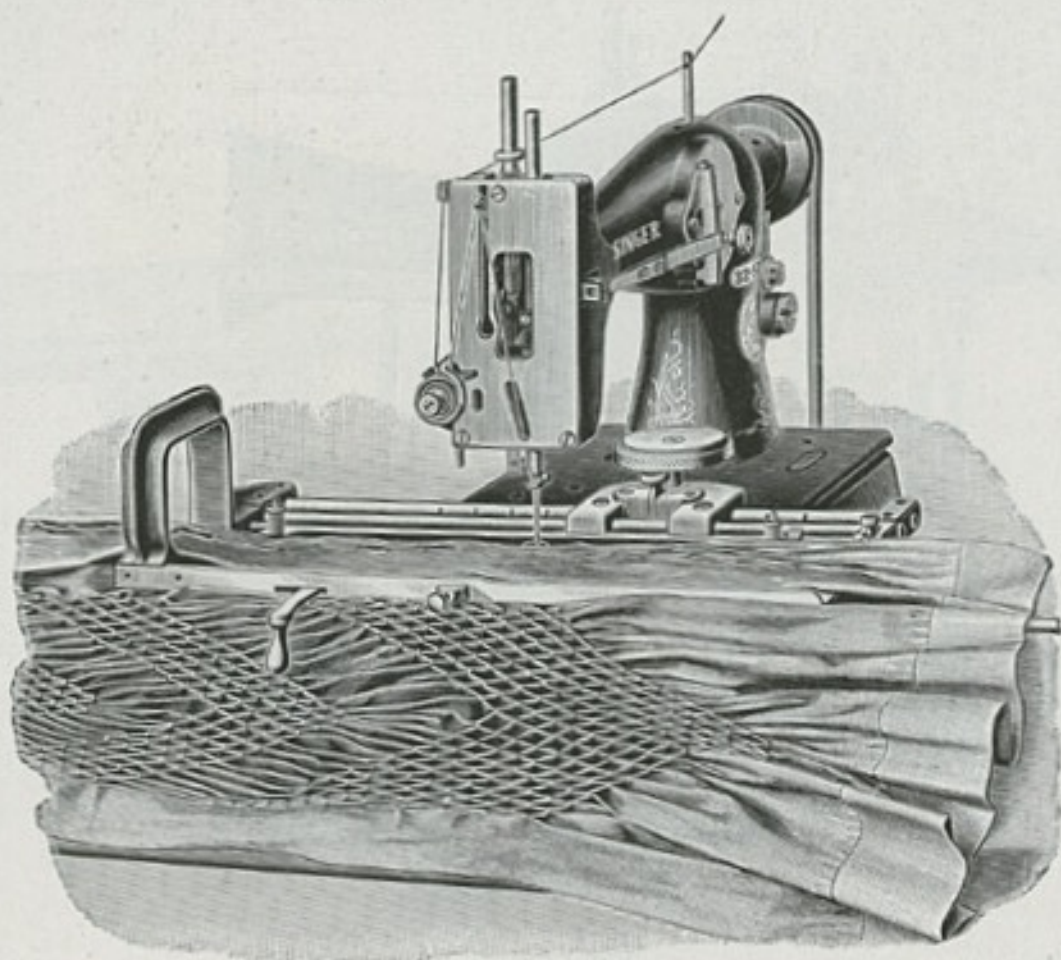
MACHINES OF CLASS 32



MACHINE NO. 32-48

NO.	DESCRIPTION	PRICE
32-48	FOR SERGING CARPETS. Has special guide and upper wheel feed Speed 800. Cipher, EHLAS. See Form 9030.	\$ 75 00
32-49	FOR OVERSEAM OR ZIGZAG STITCHING IN FELT PADS OR OTHER THICK FABRICS. Has tension releaser, guide, knee lifter, upper and lower feed and alternating pressers Speed 800. Cipher, EHLET.	70 00

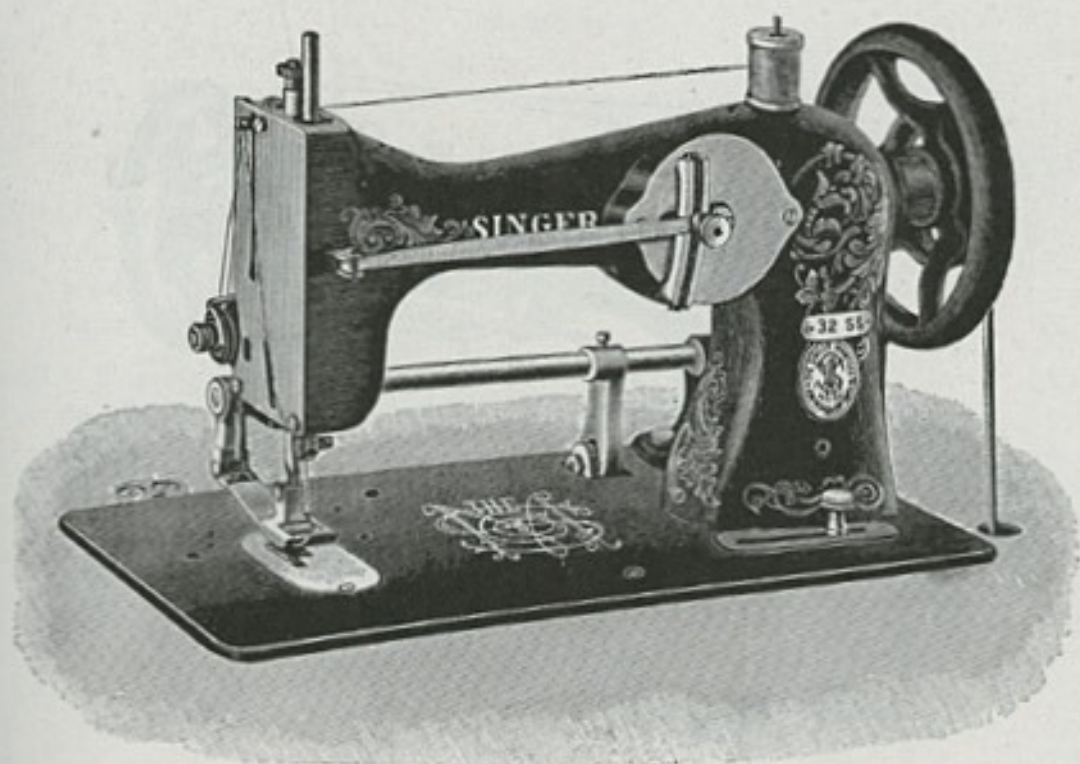
MACHINES OF CLASS 32



MACHINE NO. 32-53

NO.	DESCRIPTION	PRICE
32-53	FOR SMOCKING GARMENTS. The mechanism forms the plaits and measures the spaces for the stitching. Stops automatically after each cluster of stitches is made Speed 1200. Cipher, EHLUX.	\$150 00
32-54	FOR OVERSEAMING. Needle throw up to $\frac{5}{16}$ inch; needle vibrates both sides of center line; drop feed Speed 1200. Cipher, EHMAT.	40 00

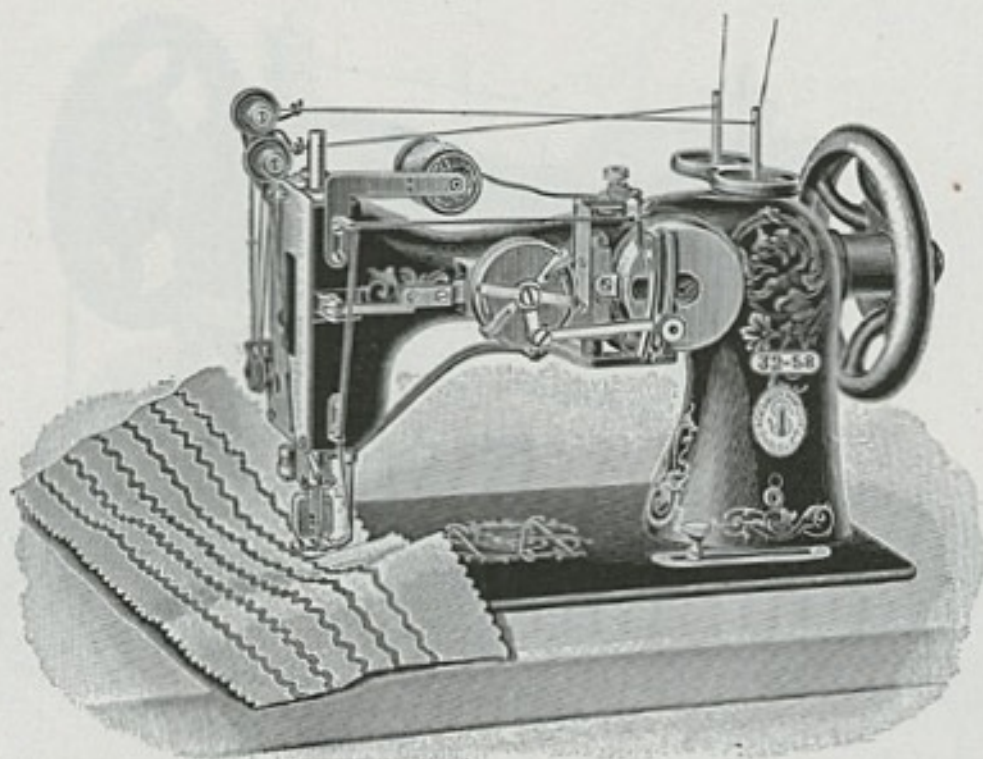
MACHINES OF CLASS 32



MACHINE No. 32-56

NO.	DESCRIPTION	PRICE
32-56	FOR WINDOW SHADES. Overseam stitch, has reciprocating slide under presser foot, knee lifter and tension releaser; drop feed Speed 1200. Cipher, EHMEV. See Form 9028.	\$ 60 00
32-57	FOR ORNAMENTING NECKWEAR, SHIRT WAISTS, INFANTS' CAPS, ETC. Makes stitch similar to No. 27. Has guides for uniting straight or curved edges, showing ornamental stitch between, also plain throat plate for surface decoration; drop feed Speed 1000. Cipher, EHMOX.	75 00

MACHINES OF CLASS 32



MACHINE No. 32-58

NO.	DESCRIPTION	PRICE
32-58	FOR MAKING ORNAMENTAL STITCHES Nos. 29, 30, 31, 32, 33 and 34 (see illustration). Has two needles, one shuttle 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. 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 \$2.50 for each cam \$ 85 00 Speed 1000. Cipher, EHMUZ.	

Ornamental Stitch No. 29

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



MACHINES OF CLASS 32

NO.	DESCRIPTION	PRICE
32-59	FOR HEEL SEAMS OF SHOES. Can be instantly changed by foot pressure from zigzag to straight stitching, has tension releaser; drop feed Speed 1200. Cipher, EHNAV.	\$ 45 00
32-61	FOR CORDING AND OVEREDGING FABRICS OR LEATHER. Makes ornamental stitch No. 11 and lays a cord under the edge; drop feed Speed 1000. Cipher, EHNIX.	75 00
32-62	FOR EDGES OF HAT SWEATS. Has $\frac{1}{8}$ 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; drop feed Speed 1000. Cipher, EHNOZ.	80 00

MACHINES OF CLASS 32

FOR ORNAMENTAL STITCHING

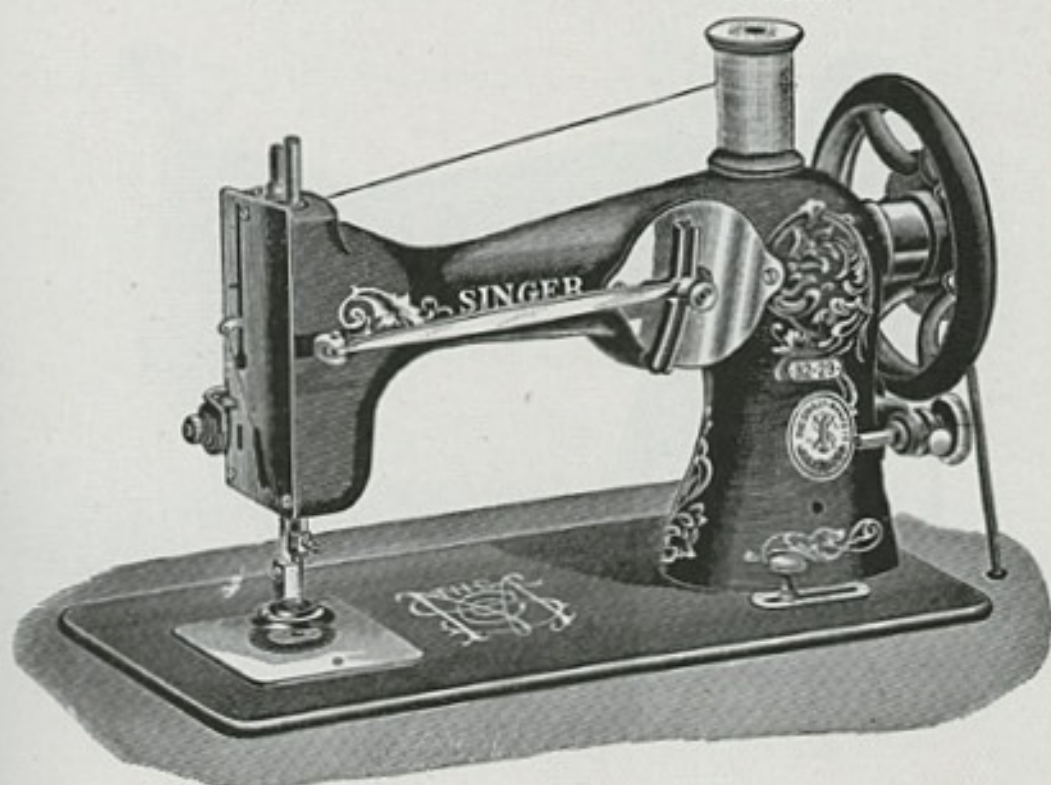
SPEED 1000. See Form 9026.

No.					CIPHER	PRICE
32-2	For	Stitch	No.	2	EHBEJ.....	\$50 00
32-3	"	"	"	3	EHBIK.....	50 00
32-4	"	"	"	4	EBBOL.....	50 00
32-5	"	"	"	5	EBBUM.....	50 00
32-6	"	"	"	6	EBBYN.....	50 00
32-7	"	"	"	7	EHCAJ.....	75 00
32-8	"	"	"	8	EHCEK.....	75 00
32-9	"	"	"	9	EHCIL.....	75 00
32-10	"	"	"	10	EHCOM.....	75 00
32-11	"	"	"	11	EHGUN.....	75 00
32-12	"	"	"	12	EHDAK.....	75 00
32-13	"	"	"	13	EHDEL.....	75 00
32-14	"	"	"	14	EHDIM.....	75 00
32-15	"	"	"	15	EHDON.....	75 00
32-16	"	"	"	16	EHDYP.....	75 00
32-17	"	"	"	17	EHFAL.....	75 00
32-18	"	"	"	18	EHFEM.....	75 00
32-19	"	"	"	19	EHFIN.....	75 00
32-20	"	"	"	20	EHFUP.....	75 00
32-21	"	"	"	21	EHGAN.....	75 00
32-22	"	"	"	22	EHGIP.....	75 00
32-23	"	"	"	23	EHGOR.....	75 00
32-30	"	"	"	24	EHHOS.....	75 00
32-31	"	"	"	25	EHHUT.....	75 00
32-34	"	"	"	26	EHJAP.....	75 00
32-47	"	"	"	27	EHKYX.....	75 00
32-52	"	"	"	28	EHLOW.....	75 00

MACHINES OF CLASS 32

EYELET MACHINES

Knee lifter. Tension releaser. Bobbin No. 2996.



MACHINE No. 32-29

NO.	DESCRIPTION	PRICE
32-29	FOR MAKING EYELETS up to $\frac{1}{2}$ inch outside diameter. Rotating feed and presser foot. Speed 1000. Cipher, EHHIR.	\$ 75 00
32-41	FOR MAKING FINE EYELETS up to $\frac{1}{4}$ inch outside diameter, in shirts, muslin goods, etc. Concave rotating feed, small stationary presser foot. Speed 1000. Cipher, EHJIS.	75 00
32-42	FOR COVERING METALLIC EYELETS up to $\frac{1}{4}$ inch diameter in shoes, etc. Concave rotating feed, small stationary presser foot. Speed 1000. Cipher, EHJOT.	75 00
32-43	FOR EYELETS up to $\frac{1}{2}$ 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. Rotating feed and presser foot. Speed 1000. Cipher, EHKAR.	80 00
32-44	FOR EYELETS up to $\frac{1}{2}$ inch outside diameter. Two needles, one shuttle, $\frac{3}{32}$ inch between needles, $\frac{5}{32}$ inch needle bar throw, rotating feed and presser foot. Speed 1000. Cipher, EHKES.	80 00
32-46	FOR FINE EYELETS with purled edge, up to $\frac{1}{4}$ inch outside diameter, in linens, muslins and other fabrics. Speed 1000. Cipher, EHKOV.	75 00

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

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

3 00

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.

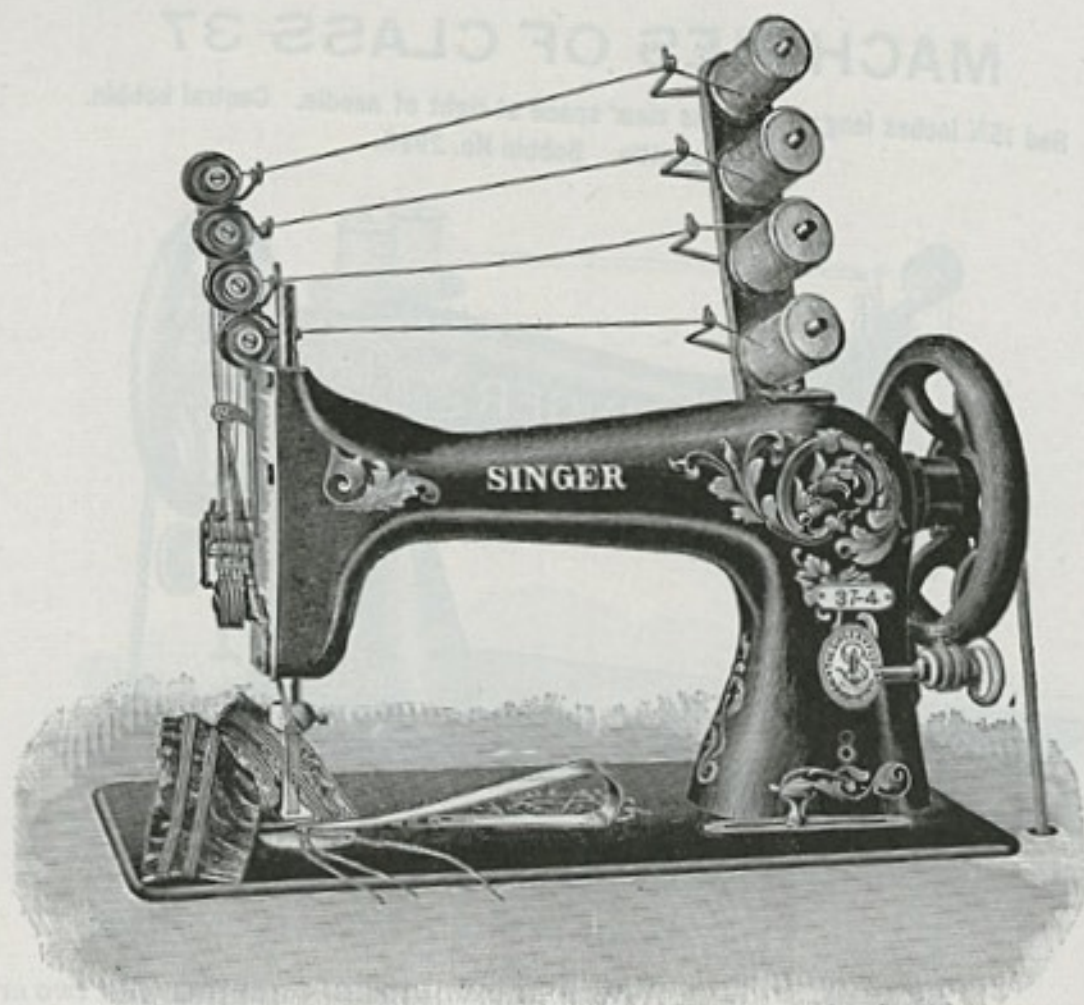


MACHINE NO. 37-2

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.

NO.	DESCRIPTION	PRICE
37-2	FOR STAYING OR CORDING. Two needles. Drop feed	\$ 40 00
	Speed 1200. Cipher, EHRUD. See Form 9036.	
37-3	FOR HAT SWEATS. 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	60 00
	Speed 1200. Cipher, EHSEB.	
	NOTE. See Forms 9035 and 9036.	

MACHINES OF CLASS 37



MACHINE No. 37-4

NO.	DESCRIPTION	PRICE
37-4	FOR CORDING AND PLAIN STITCHING. Four needles, knee lifter, drop feed Speed 1200. Cipher, EHSIC.	\$ 65 00
37-5	FOR IMITATION CORDING IN LEATHER. Two needles, has ridge on feed acting in groove in roller presser needle guard, knee lifter, drop feed Speed 1200. Cipher, EHSOD.	45 00
37-6	FOR IMITATION CORDING. Four needles, knee lifter, drop feed Speed 1200. Cipher, EHTAB.	65 00
37-8	FOR ORNAMENTING GLOVE BACKS. Two needles, drop feed. Speed 1200. Cipher, EHTEC.	40 00
37-9	FOR CORDING, IMITATION CORDING OR AIR TUCKING ON LIGHT FABRICS. Two needles, has presser feet and throat plates for both styles of work, drop feed Speed 1200. Cipher, EHTID.	40 00
37-10	FOR HAT SWEATS, differs from No. 37-3 only in making the diagonal stitch reversed Speed 1200. Cipher, EHTUF.	60 00

MACHINES OF CLASS 41

With base $18\frac{3}{4}$ inches in length, $10\frac{1}{2}$ inches from needle bar to base of arm. Multiple needle. For simultaneously making parallel rows of stitching. Greatest distance between the two outside needles in Machines Nos. 41-3, 41-4 and 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.

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 recommends 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 she would in stitching a simple hem.

NO.	DESCRIPTION	PRICE
41-3	Three needles, three shuttles..... Speed 1200. Cipher, EHZEK.	\$115 00
41-4	Four needles, four shuttles..... Speed 1150. Cipher, EHZOJ.	120 00
41-5	Five needles, five shuttles..... Speed 1100. Cipher, EJBAJ.	125 00
41-6	Six needles, six shuttles..... Speed 1050. Cipher, EJBEK.	140 00
41-7	Seven needles, seven shuttles..... Speed 1000. Cipher, EJBIL.	155 00
41-8	Eight needles, eight shuttles..... Speed 950. Cipher, EJBOM.	170 00

MACHINES OF CLASS 41

NO.	DESCRIPTION	PRICE
41-9	Nine needles, nine shuttles..... Speed 900. Cipher, EJBUN.	\$185 00
41-10	Ten needles, ten shuttles..... Speed 850. Cipher, EJCAK.	200 00
41-11	Eleven needles, eleven shuttles..... Speed 800. Cipher, EJCEL.	225 00
41-12	Twelve needles, twelve shuttles..... Speed 750. Cipher, EJCIM.	250 00

Machines Nos. 41-13 to 41-17, 41-19 and 41-20 have the same number of needles and shuttles respectively as Nos. 41-3 to 41-7, 41-9 and 41-10, but have automatic tuck folders in addition to the regular stitching mechanism.

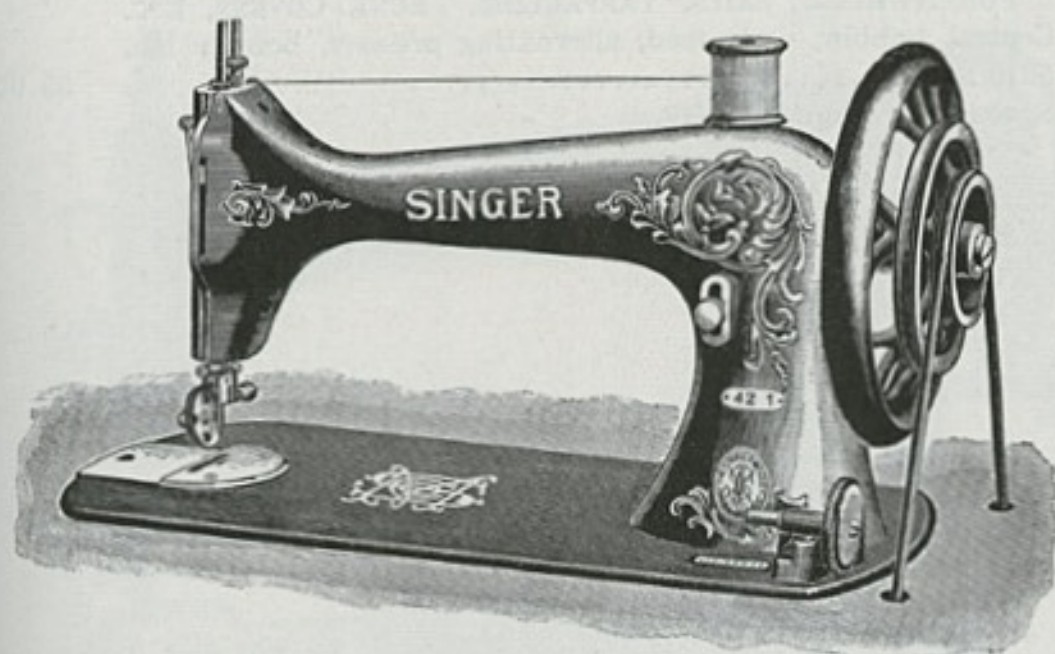
See description of automatic tuck folder applied to machines of Class 52 on page 137.

NO.	DESCRIPTION	PRICE
41-13	Three needles, three shuttles; automatic tuck folding attachment for three tucks..... Speed 1200. Cipher, EJCON.	\$160 00
41-14	Four needles, four shuttles; automatic tuck folding attachment for four tucks..... Speed 1150. Cipher, EJDAL.	167 50
41-15	Five needles, five shuttles; automatic tuck folding attachment for five tucks..... Speed 1100. Cipher, EJDEM.	175 00
41-16	Six needles, six shuttles; automatic tuck folding attachment for six tucks..... Speed 1050. Cipher, EJDIN.	192 50
41-17	Seven needles, seven shuttles; automatic tuck folding attachment for seven tucks..... Speed 1000. Cipher, EJDUP.	210 00

41-19	Nine needles, nine shuttles, automatic tuck folding attachment for nine tucks..... Speed 900. Cipher, EJFAM.	245 00
41-20	Ten needles, ten shuttles; automatic tuck folding attachment for ten tucks..... Speed 850. Cipher, EJFEN.	262 50

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.

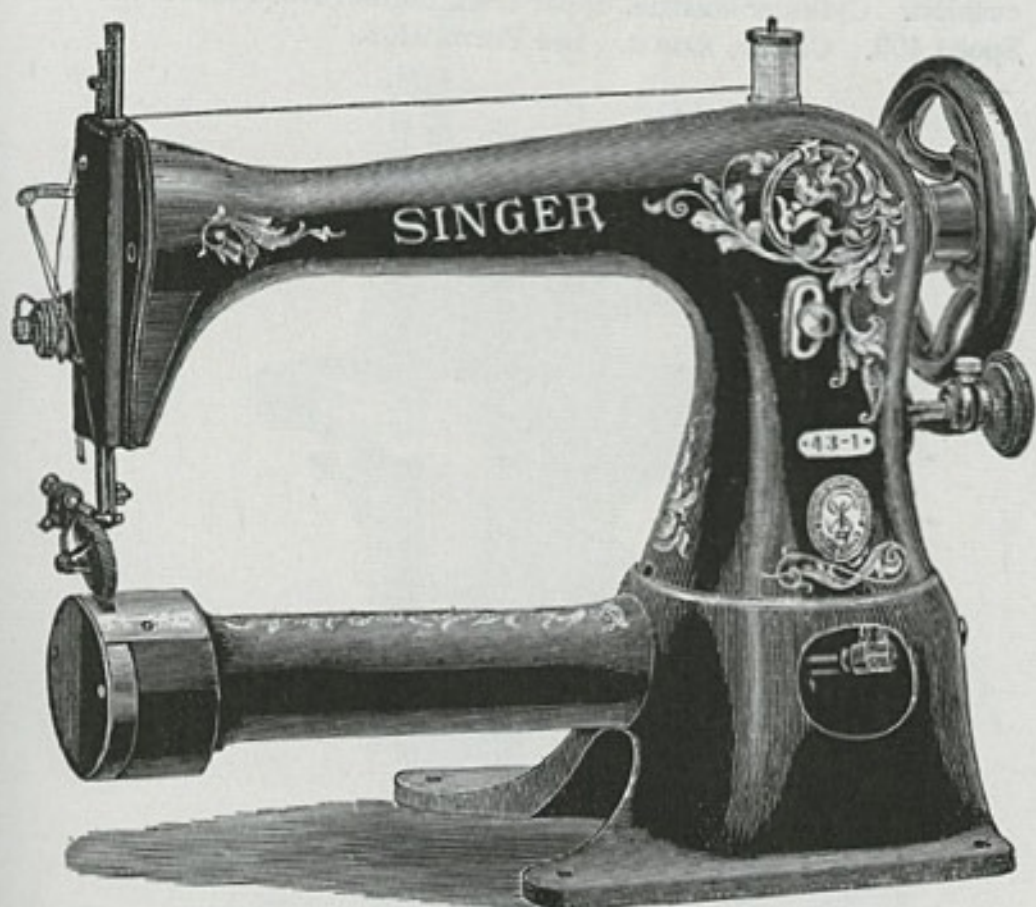
NO.	DESCRIPTION	PRICE
42-1	FOR LEATHER. C. B., cam on needle bar, drop feed at left of needle, roller presser, bobbin No. 5810.....	\$ 50 00
	Speed 400. Cipher, EJHAP.	
42-2	FOR CLOTH. C. B., link needle bar connection, drop feed both sides of needle, hinged presser foot, bobbin No. 5810	50 00
	Speed 400. Cipher, EJHER.	
42-3	FOR CLOTH. C. B., link needle bar connection, drop feed both sides of needle, vibrating presser, bobbin No. 5810	55 00
	Speed 400. Cipher, EJHIS.	
42-4	FOR LEATHER. Long beak cylinder shuttle, link needle bar connection, drop feed at left of needle, roller presser, bobbin No. 14535	50 00
	Speed 1000. Cipher, EJHOT.	
42-5	Cylinder shuttle, drop feed, alternating pressers, bobbin No. 14535	55 00
	Speed 1000. Cipher, EJHUV.	
42-6	FOR LEATHER. C. B., cam on needle bar, drop feed both sides of needle, vibrating presser, bobbin No. 5810	55 00
	Speed 400. Cipher, EJKAS.	

MACHINES OF CLASS 42

NO.	DESCRIPTION	PRICE
42-7	Drop feed, cylinder shuttle, vibrating presser, bobbin No. 14535 Speed 1000. Cipher, EJKET.	\$ 55 00
42-8	FOR AWNINGS, SAILS, TARPAULINS, TRUNK COVERS, ETC. Central bobbin, drop feed, alternating pressers, bobbin No. 5810 Speed 400. Cipher, EJKIV.	55 00

MACHINES OF CLASS 43

Cylinder bed. Balance wheel at right hand; 10 $\frac{1}{2}$ inches clear space at right of needle. Large shuttle for coarse thread. Knee lifter. Cylinder 3 $\frac{9}{16}$ 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.

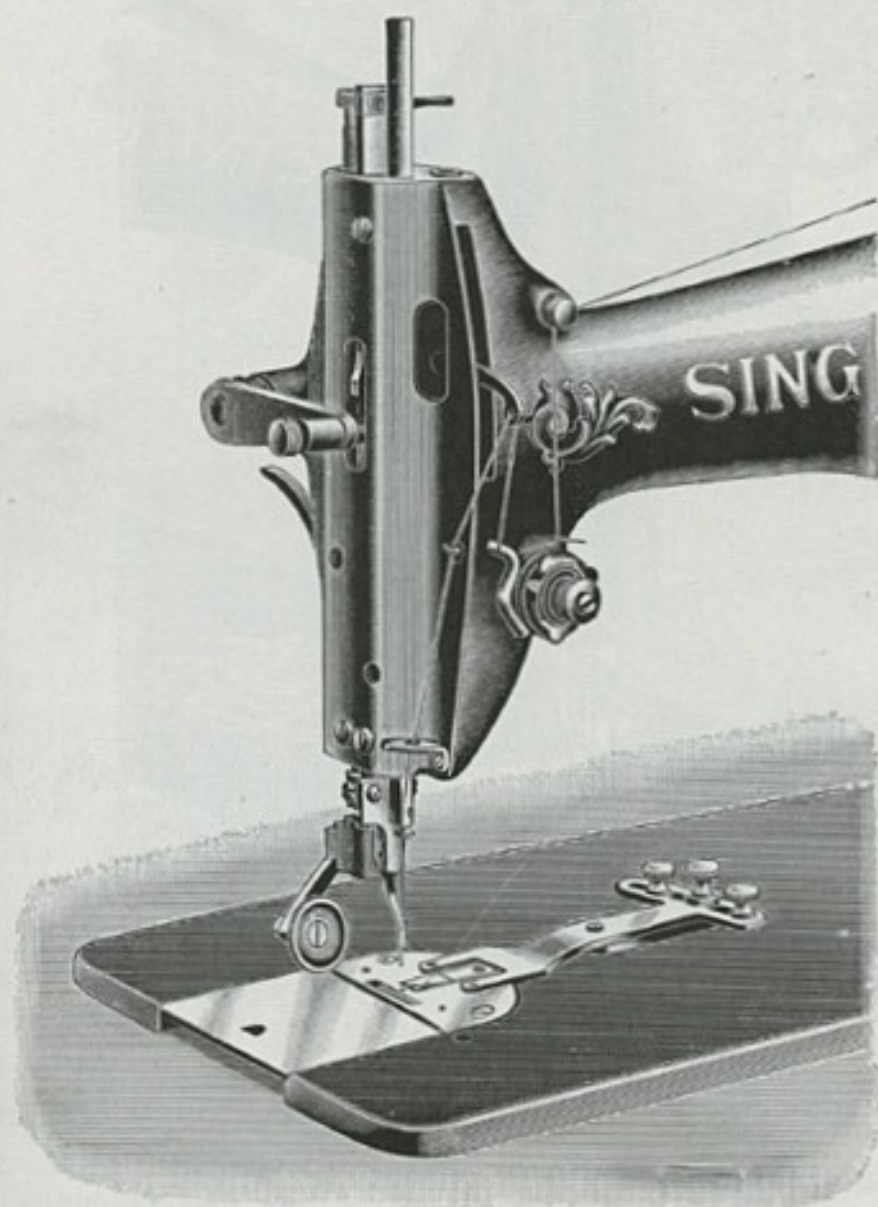
NO.	DESCRIPTION	PRICE
43-1	FOR LEATHER. C. B., cam on needle bar, drop feed at left of needle, roller presser, bobbin No. 5810.....	\$ 60 00
	Speed 400. Cipher, EJLOX.	
43-2	FOR CLOTH. C. B., link needle bar connection, drop feed both sides of needle, bobbin No. 5810	60 00
	Speed 400. Cipher, EJLUZ.	
43-3	FOR LEATHER. Long beak cylinder shuttle, drop feed both sides of needle, vibrating presser, bobbin No. 14535	65 00
	Speed 400. Cipher, EJMAV.	
43-4	FOR LEATHER. Long beak cylinder shuttle, link needle bar connection, drop feed at left of needle, roller presser, bobbin No. 14535	60 00
	Speed 1000. Cipher, EJMEW.	
43-5	FOR CLOTH OR LEATHER. Long beak cylinder shuttle, drop feed at left of needle, alternating pressers, bobbin No. 14535...	65 00
	Speed 400. Cipher, EJMIX.	

MACHINES OF CLASS 43

NO.	DESCRIPTION	PRICE
43-6	FOR STITCHING THE VISORS, SWEAT BANDS, CAP BANDS AND VISOR CUSHIONS INTO THE BODIES OF CAPS. Has guides for visor, sweat band, and cap band, and folder for the visor cushion. Cylinder shuttle, upper feed, bobbin No. 14535. Speed 400. Cipher, EJMOZ. See Form 9202.	\$115 00

MACHINES OF CLASS 44

Bed $15\frac{1}{16}$ 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
44-3	FOR COLLAR AND CUFF WORK. Drop feed, bobbin No. 2996. Speed 2200. Cipher, EJPOC.	\$ 22 50
44-4	FOR LEATHER. Has vertical trimmer, drop feed, bobbin No. 2996. See also Machine No. 31-36. Speed 1800. Cipher, EJPUD. See Form 9150.	32 50
44-7	FOR SHOES. Has vertical trimmer that can be instantly adjusted for the scallops and tops of shoes. Drop feed, bobbin No. 2996. Speed 1800. Cipher, EJROD. See Form 9151.	35 00

MACHINES OF CLASS 44



MACHINE NO. 44-8

NO.	DESCRIPTION	PRICE
44-8	FOR LIGHT OR HEAVY CLOTH. Has vertical trimmer that trims from $\frac{1}{16}$ to $\frac{1}{4}$ inch from the seam; drop feed, bobbin No. 2996. 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. See also Machine No. 31-35..... Speed 1800. Cipher, EJSAB. See Form 9152.	\$ 32 50

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

MACHINES OF CLASS 44



MACHINE No. 44-9

NO.	DESCRIPTION	PRICE
44-9	FOR CLOTH OR LEATHER. Useful for work of unequal thickness, and for binding with binders of different widths. Drop feed, alternating pressers, bobbin No. 2996. See also Machine No. 31-19 Speed 1600. Cipher, EJSEC. See Form 9153.	\$ 27 50
44-10	FOR LEATHER. Drop feed, roller presser, bobbin No. 2996. Speed 2000. Cipher, EJSID. See Form 9154.	22 50
44-11	Differs from No. 44-10 only in having wheel feed. Speed 2000. Cipher, EJSUF.	22 50
44-12	FOR STITCHING AND TRIMMING IN GLOVE WORK. Has vertical trimmer, wheel feed, yielding presser, bobbin No. 2996. Speed 1800. Cipher, EJTAC. See Form 9159.	35 00
44-13	FOR CLOTH. Throat plate flush with bed, drop feed, bobbin No. 19131. Speed 2200. Cipher, EJTED. See Form 9155.	22 50

MACHINES OF CLASS 44



MACHINE No. 44-14

NO.	DESCRIPTION	PRICE
44-14	FOR SHOES, ETC. Has horizontal under trimmer, drop feed, bobbin No. 2996.....	\$ 35 00
	Speed 1600. Cipher, EJTOF. See Form 9156.	
44-15	Differs from No. 44-14 only in having wheel feed.....	35 00
	Speed 1600. Cipher, EJUG.	
44-17	FOR COLLARS AND CUFFS. Throat plate flush with bed, drop feed, bobbin No. 19131.....	22 50
	Speed 2200. Cipher, EJZOK.	

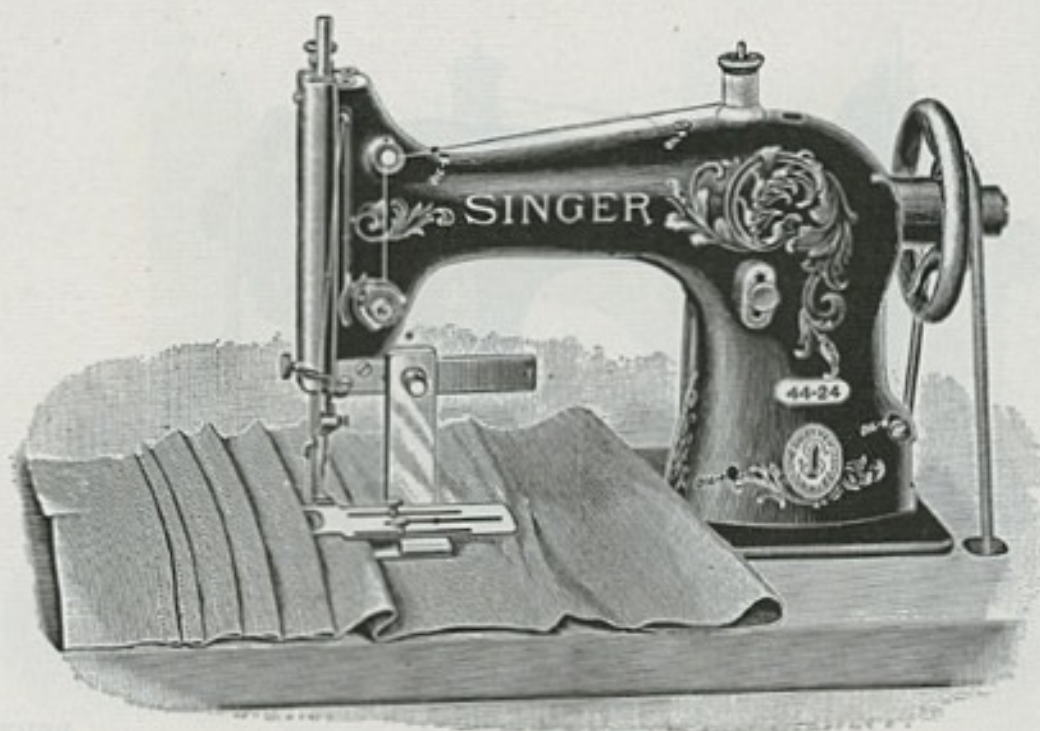
MACHINES OF CLASS 44



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, bobbin No. 2996. Speed 1600. Cipher, EKBAL. See Form 9158.	\$ 40 00
44-19	Differs from No. 44-18 only in having wheel feed. Speed 1600. Cipher, EKBEL.	40 00
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.		
44-20	FOR LIGHT WORK ONLY, WITH SHORT STITCH, IN CLOTH. Drop feed, bobbin No. 24051. Speed 2800. Cipher, EKBIM. See Form 9104.	25 ⁰⁰ 00
44-22	FOR RUFFLING AND STITCHING THICK OR THIN FABRICS, APRONS, DRESSES, INFANTS' GARMENTS, SKIRTS, ETC. One needle, positive ruffling mechanism, drop feed, bobbin No. 19131. Speed 2000. Cipher, EKBON. See also Machines Nos. 31-27, 31-60, 44-28, 44-60 and 44-75.	47 50

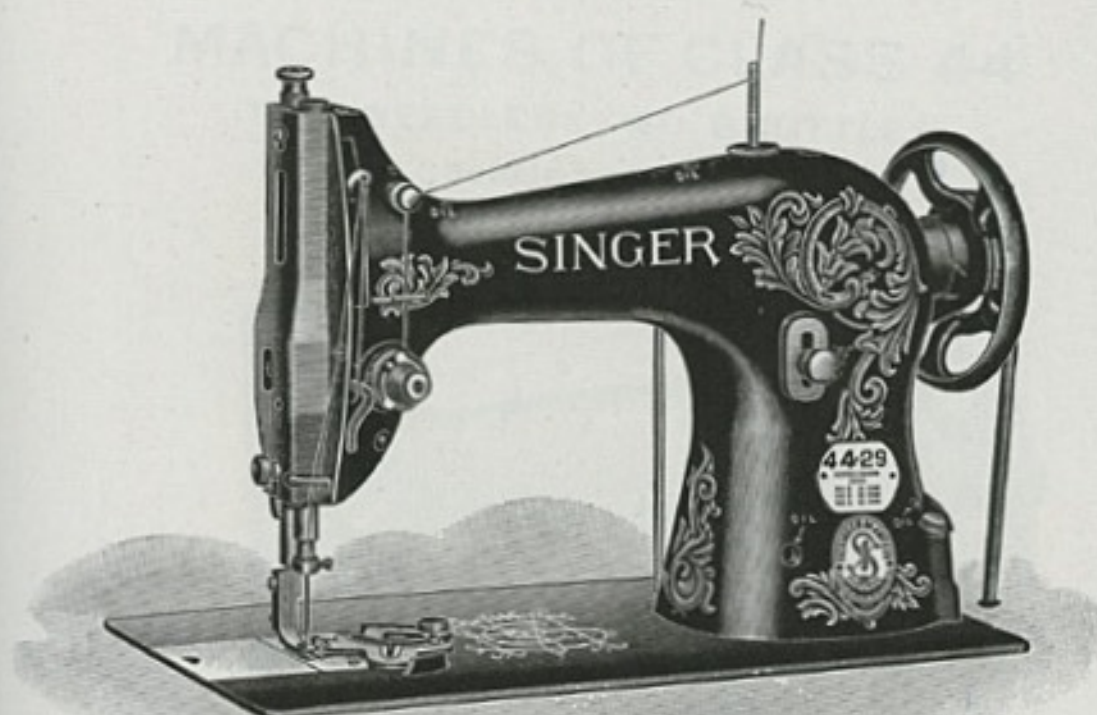
MACHINES OF CLASS 44



MACHINE NO. 44-24

NO.	DESCRIPTION	PRICE
44-24	FOR FOLDING AND STITCHING TUCKS OF ANY WIDTH from $\frac{1}{4}$ to $1\frac{1}{4}$ inches. Has tuck folder, either Nos. 26895 or 26899, drop feed, bobbin No. 19131..... Speed 2200. Cipher, EKBYP.	\$ 37 50
	NOTE. Orders for Machine No. 44-24 must specify the number of the attachment, and state whether the tucks are to begin at the left or the right hand side of the fabric. The tucks are turned to the right in either case.	
44-25	FOR LEATHER. Has vertical trimmer, wheel feed, bobbin No. 2996. See also Machine No. 31-38..... Speed 1800. Cipher, EKCAL. See Form 9150.	32 50
44-26	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, bobbin No. 2996. See also Machines Nos. 31-40 and 31-41..... Speed 1600. Cipher, EKCEM. See Form 9161.	40 00
	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.	
44-27	Differs from No. 44-26 only in having wheel feed..... Speed 1600. Cipher, EKCIN.	40 00
44-28	FOR RUFFLING, TRIMMING THE EDGE AND STITCHING at the same time. Positive ruffling mechanism and vertical trimmer, drop feed, bobbin No. 2996..... Speed 1800. Cipher, EKCUP.	57 50

MACHINES OF CLASS 44



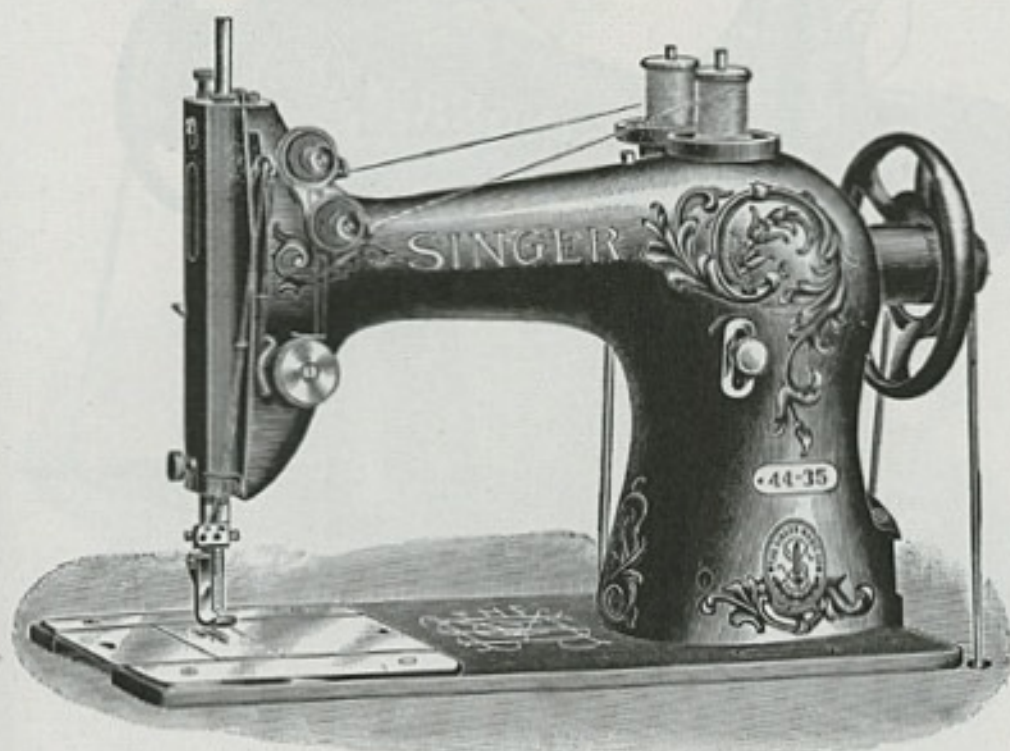
MACHINE No. 44-29

NO.	DESCRIPTION	PRICE
44-29	FOR COLLARS AND CUFFS. Drop feed, bobbin No. 24051.. Speed 2800. Cipher, EKCVR. See Form 9162.	\$ 25 00
44-30	FOR LIGHT WORK IN LEATHER. Drop feed, bobbin No. 24051	25 00
	Speed 2500. Cipher, EKDAM. See Form 9163.	
44-71	FOR MAKING LOOP TRIMMING OF LACE OR TAPE FOR CURTAINS, ETC. Drop feed, bobbin No. 2996.....	75 00
	Speed 1000. Cipher, EKGER. See two-needle Machine No. 44-61.	
44-72	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, bobbin No. 2996.....	30 00
	Speed 2000. Cipher, EKGIS. See Form 9246. NOTE. See binder No. 26956 for corset work.	
44-74	FOR REPAIRING BELTS IN COTTON MILLS, ETC. Has hand driving attachment, drop feed, bobbin No. 19131.....	25 00
	Speed —. Cipher, EKGUV. See Form 9203. NOTE. To use this machine successfully the customer should be provided with base No. 79625. Price \$1.50 net, not included in the price of the machine.	
44-75	FOR BANDING APRONS, ETC. Has positive ruffling mechanism and folder. For folding the band, inserting and fulling in the body of the garment in one operation. Drop feed.....	85 00
	Speed 2000. Cipher, EK HAR. See also Machines Nos. 31-27, 31-60, 44-22, 44-28 and 44-60.	

MACHINES OF CLASS 44

TWO NEEDLES, TWO SHUTTLES

BOBBIN NO. 19131

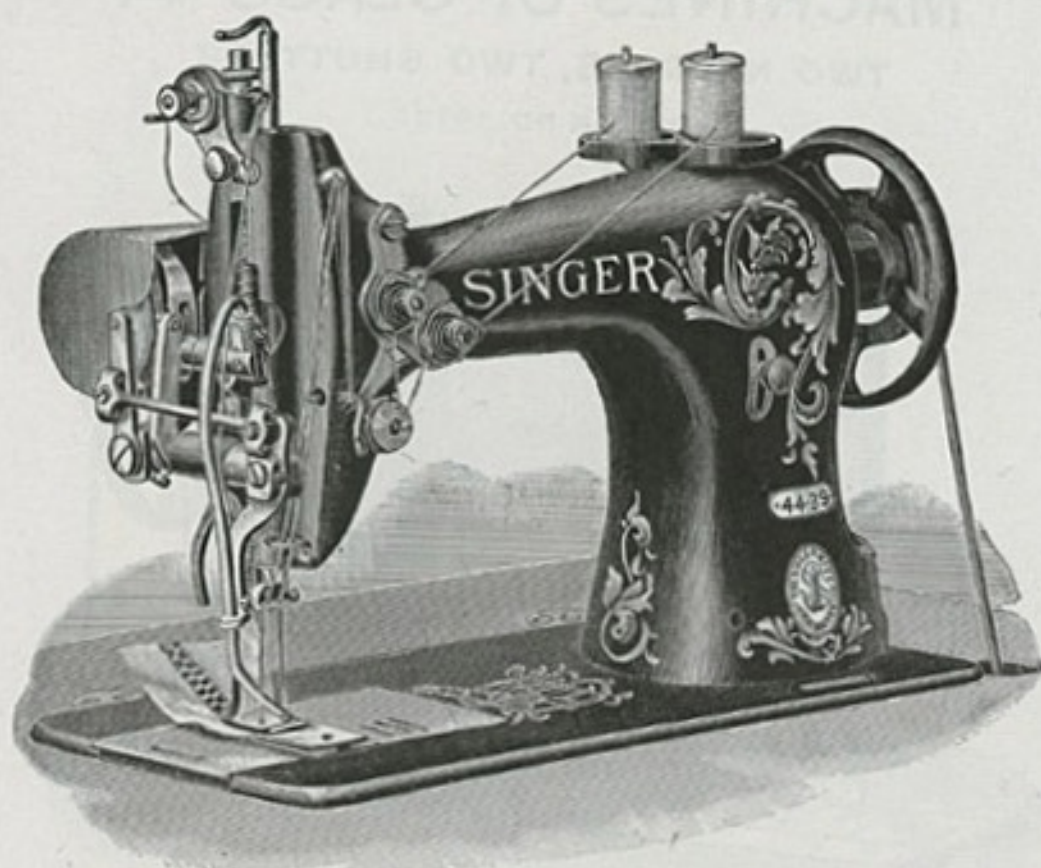


MACHINE No. 44-35

NO.	DESCRIPTION	PRICE
44-34	FOR VAMPING AND STAYING SHOES. $\frac{1}{32}$ to $\frac{3}{16}$ inch gauge for vamping and $\frac{3}{32}$ to $\frac{1}{4}$ inch for staying. Throat plate flush with bed, drop feed Speed 1800. Cipher, EKDOP. See Form 9165.	\$ 60 00
44-35	FOR HEAVY WORK IN CLOTH. $\frac{1}{32}$ to $1\frac{1}{4}$ inch gauge, high raise, drop feed Speed 2000. Cipher, EKDUR. See Form 9166.	60 00
44-36	FOR COLLAR AND CUFF WORK. $\frac{3}{32}$ to $\frac{1}{4}$ inch gauge. Throat plate flush with bed, drop feed Speed 2000. Cipher, EKDYS. See Form 9166.	60 00
44-37	FOR SHIRTS, LINENS AND MUSLINS. $\frac{1}{32}$ to $1\frac{1}{4}$ inch gauge. Throat plate flush with bed, drop feed Speed 2000. Cipher, EKFan. See Form 9166.	60 00
44-38	FOR VAMPING SHOES. $\frac{1}{32}$ to $\frac{5}{64}$ inch gauge. Wheel feed Speed 1800. Cipher, EKFIp.	60 00

MACHINES OF CLASS 44

TWO NEEDLES, TWO SHUTTLES

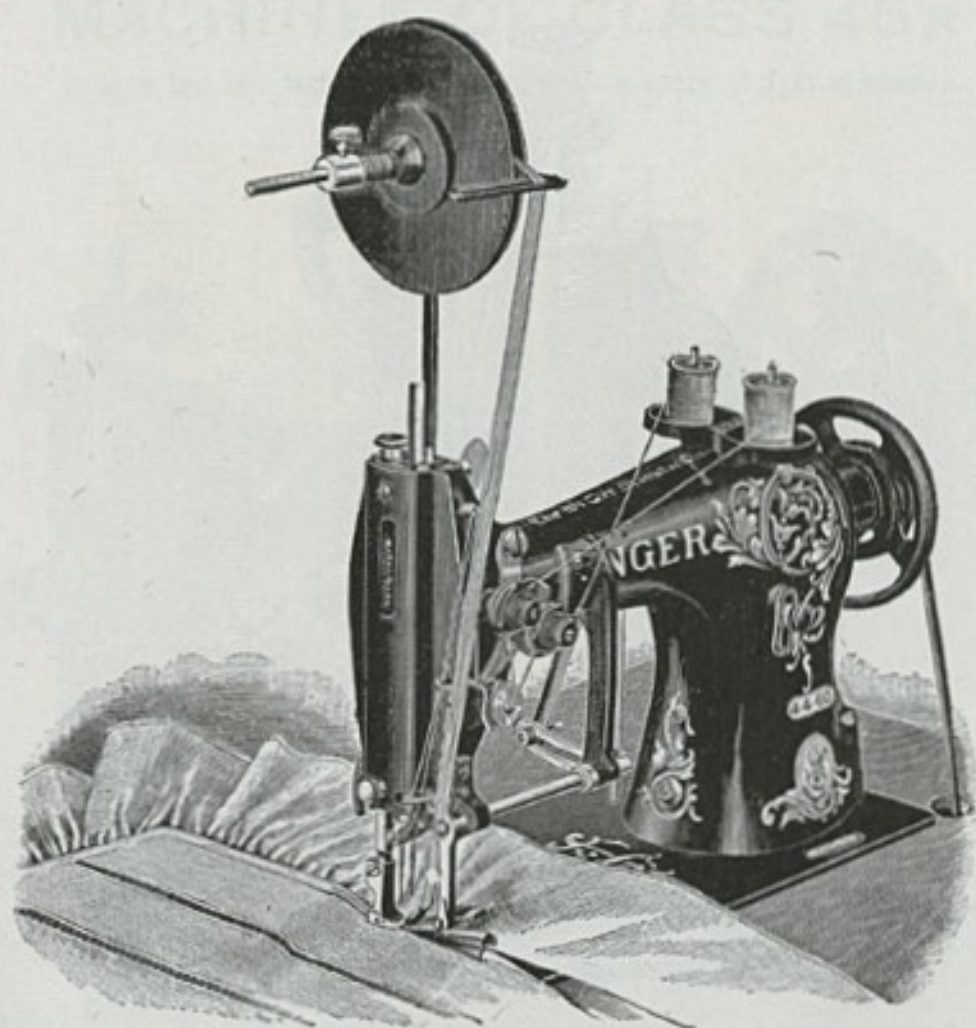


MACHINE No. 44-39

NO.	DESCRIPTION	PRICE
44-39	FOR MAKING THE "BRIAR" EMBROIDERY STITCH, uniting two pieces of fabric. $\frac{5}{32}$ to $\frac{13}{32}$ inch gauge, drop feed. Has no knee lifter Speed 1200. Cipher, EKFOR. See Form 9041.	\$100 00

MACHINES OF CLASS 44

TWO NEEDLES, TWO SHUTTLES

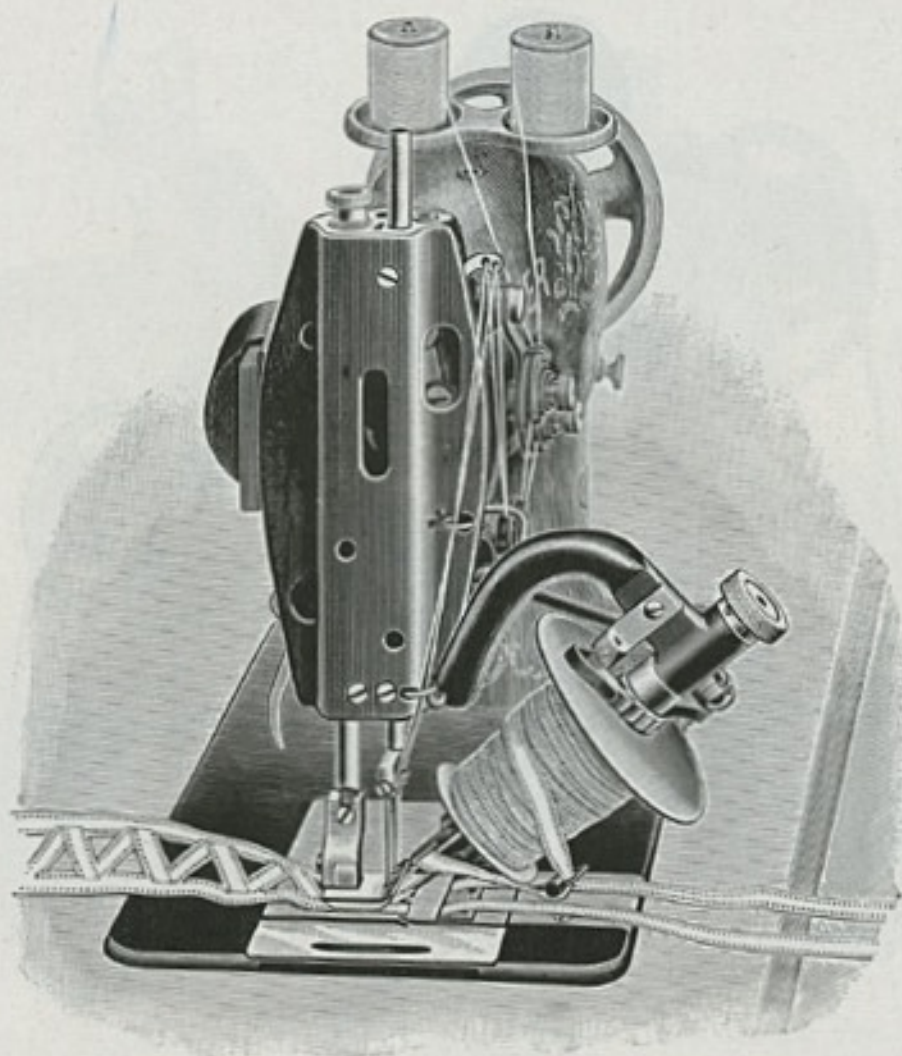


MACHINE No. 44-60

NO.	DESCRIPTION	PRICE
44-60	FOR RUFFLING THICK OR THIN FABRICS, APRONS, CURTAINS, DRESSES, INFANTS' GARMENTS, SKIRTS, ETC. Has positive ruffling mechanism. $\frac{1}{8}$ to $\frac{3}{4}$ inch gauge, drop feed Speed 2000. Cipher, EKFUS. See also Nos. 31-27, 31-60, 44-22 and 44-28.	\$ 85 00

NOTE. Guides for tape, cord and strips, also edge folders and tape reels can be furnished for this machine. See Forms 9042 and 9043.

MACHINES OF CLASS 44
TWO NEEDLES, TWO SHUTTLES

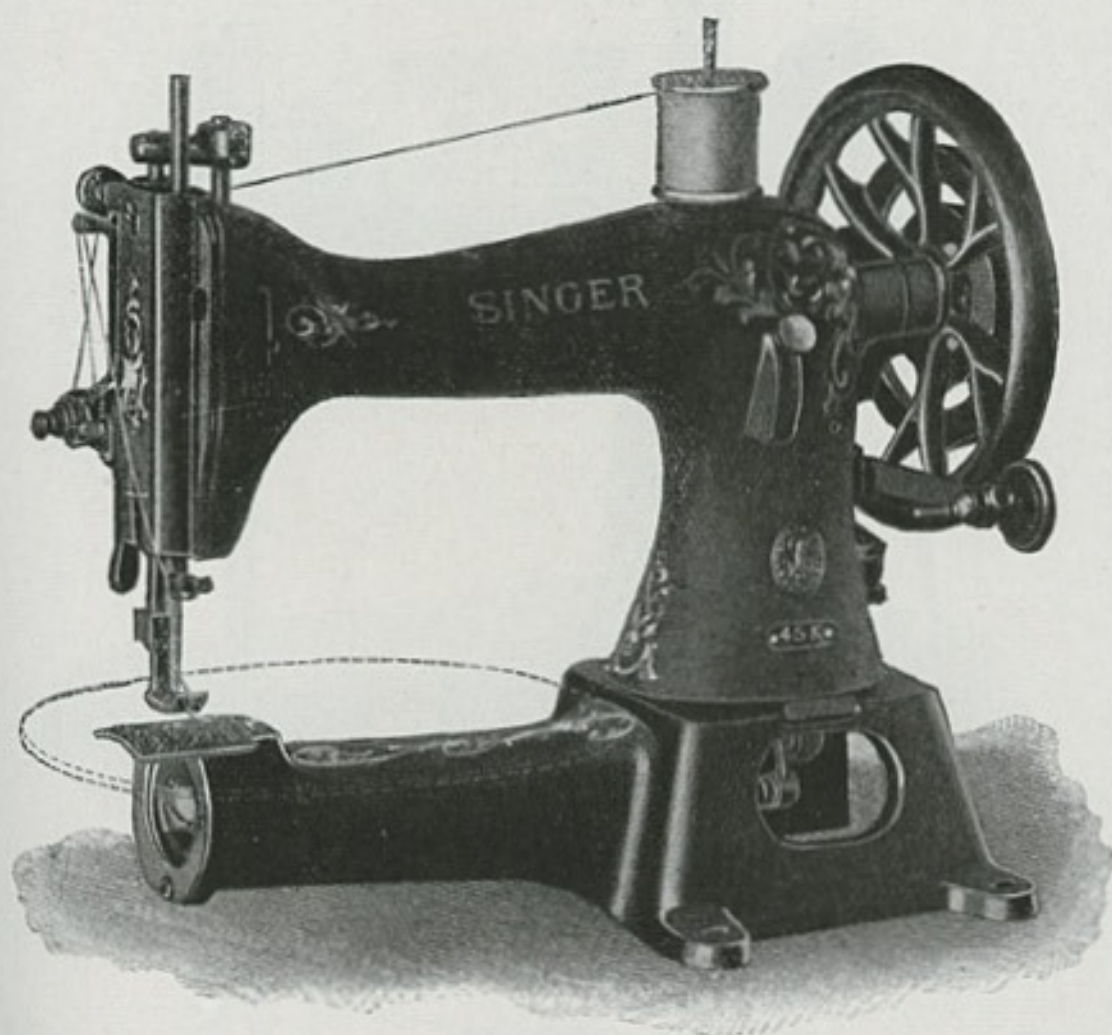


MACHINE No. 44-61

NO.	DESCRIPTION	PRICE
44-61	FOR MAKING LOOP TRIMMING OF LACE OR TAPE FOR CURTAINS OR OTHER ARTICLES. $\frac{1}{16}$ to $\frac{3}{8}$ inch gauge, drop feed..... Speed 1000. Cipher, EKFTY. See also No. 44-71.	\$110 00
44-62	FOR CROSS THREAD EMBROIDERY. Gauges $\frac{1}{8}$ to $\frac{13}{32}$ inch. 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 Speed 1500. Cipher, EKGAP.	100 00

MACHINES OF CLASS 45 K

Cylinder bed 20½ inches long; 10 inches clear space at right of needle.
Foot lifter.



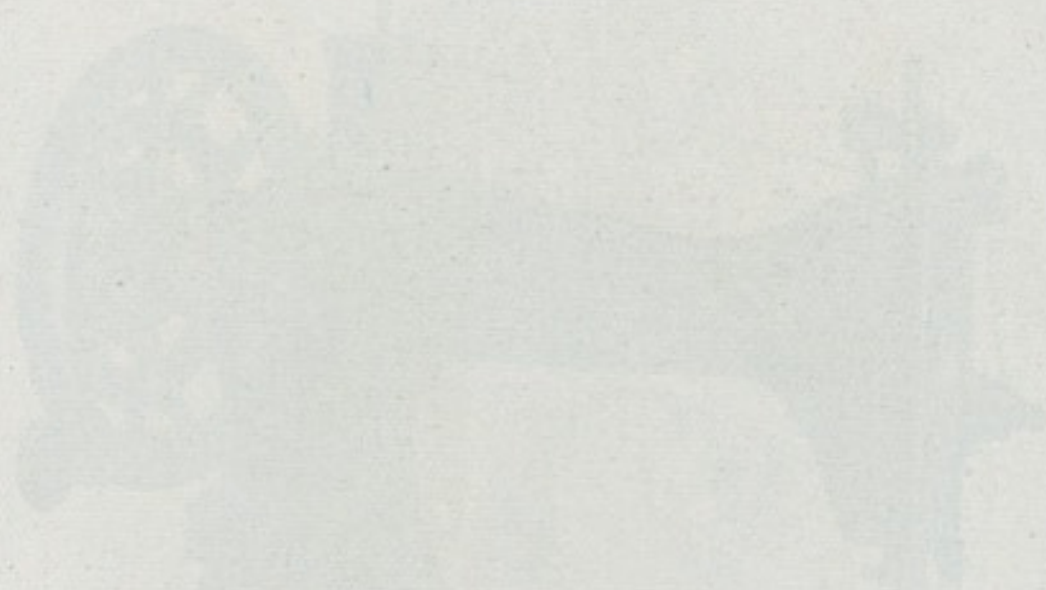
MACHINE No. 45 K 48

NO.	DESCRIPTION	PRICE
45 K 48	FOR DARNING OR PATCHING BAGS. Needle bar driven by link; cylinder shuttle, two speed balance wheel and lifting presser. . . Speed 400. Cipher, ADRAT. See Form 9060.	\$ 65 00
45 K 49	Differs from No. 45 K 48 only in having S. D. A. Speed 400. Cipher, ADRYN.	70 00

NOTE. The machines of Class 45 can be furnished with flat work plate if so ordered at an addition of \$1.75 to the selling price of the machine.

MACHINES OF CLASS 45K

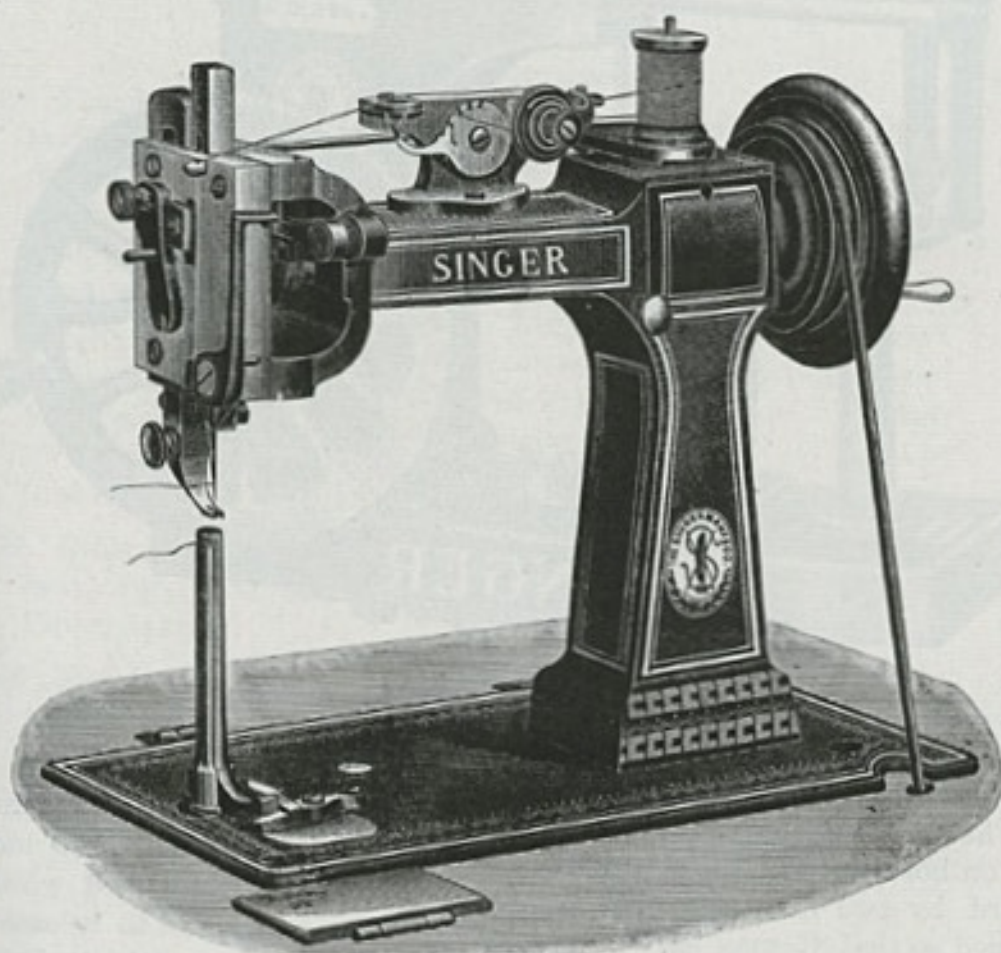
These are the machines of the class 45K.



The following are the machines of the class 45K. The first is a pump, the second is a pump, the third is a pump, the fourth is a pump, the fifth is a pump, the sixth is a pump, the seventh is a pump, the eighth is a pump, the ninth is a pump, the tenth is a pump, the eleventh is a pump, the twelfth is a pump, the thirteenth is a pump, the fourteenth is a pump, the fifteenth is a pump, the sixteenth is a pump, the seventeenth is a pump, the eighteenth is a pump, the nineteenth is a pump, the twentieth is a pump, the twenty-first is a pump, the twenty-second is a pump, the twenty-third is a pump, the twenty-fourth is a pump, the twenty-fifth is a pump, the twenty-sixth is a pump, the twenty-seventh is a pump, the twenty-eighth is a pump, the twenty-ninth is a pump, the thirtieth is a pump, the thirty-first is a pump, the thirty-second is a pump, the thirty-third is a pump, the thirty-fourth is a pump, the thirty-fifth is a pump, the thirty-sixth is a pump, the thirty-seventh is a pump, the thirty-eighth is a pump, the thirty-ninth is a pump, the fortieth is a pump, the forty-first is a pump, the forty-second is a pump, the forty-third is a pump, the forty-fourth is a pump, the forty-fifth is a pump, the forty-sixth is a pump, the forty-seventh is a pump, the forty-eighth is a pump, the forty-ninth is a pump, the fiftieth is a pump, the fifty-first is a pump, the fifty-second is a pump, the fifty-third is a pump, the fifty-fourth is a pump, the fifty-fifth is a pump, the fifty-sixth is a pump, the fifty-seventh is a pump, the fifty-eighth is a pump, the fifty-ninth is a pump, the sixtieth is a pump, the sixty-first is a pump, the sixty-second is a pump, the sixty-third is a pump, the sixty-fourth is a pump, the sixty-fifth is a pump, the sixty-sixth is a pump, the sixty-seventh is a pump, the sixty-eighth is a pump, the sixty-ninth is a pump, the seventieth is a pump, the seventy-first is a pump, the seventy-second is a pump, the seventy-third is a pump, the seventy-fourth is a pump, the seventy-fifth is a pump, the seventy-sixth is a pump, the seventy-seventh is a pump, the seventy-eighth is a pump, the seventy-ninth is a pump, the eightieth is a pump, the eighty-first is a pump, the eighty-second is a pump, the eighty-third is a pump, the eighty-fourth is a pump, the eighty-fifth is a pump, the eighty-sixth is a pump, the eighty-seventh is a pump, the eighty-eighth is a pump, the eighty-ninth is a pump, the ninetieth is a pump, the ninety-first is a pump, the ninety-second is a pump, the ninety-third is a pump, the ninety-fourth is a pump, the ninety-fifth is a pump, the ninety-sixth is a pump, the ninety-seventh is a pump, the ninety-eighth is a pump, the ninety-ninth is a pump, the one hundredth is a pump.

MACHINES OF CLASS 46 K

For making pique, prix and surjeteuse or round seams.

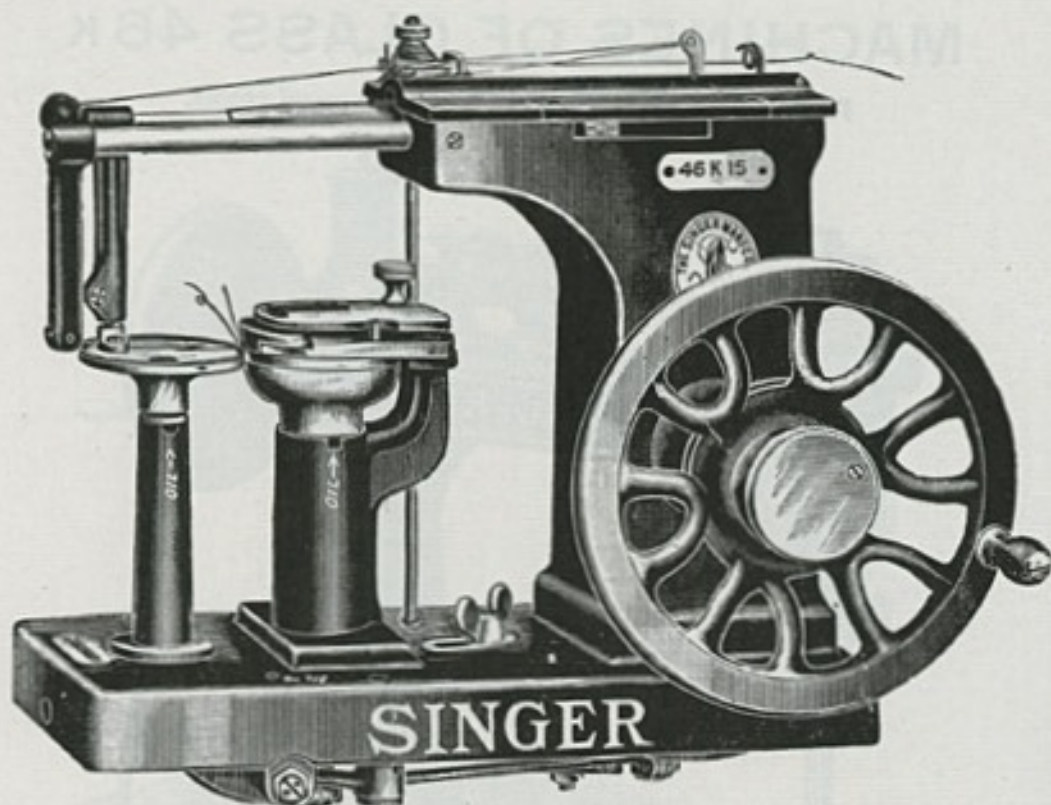


MACHINE NO. 46 K 1

NO.	DESCRIPTION	PRICE
✓ 46 K 1	FOR GLOVE WORK. One needle, oscillating looper, piqué stitch. Has column $3\frac{5}{8}$ inches high and $\frac{1}{4}$ inch in diameter at upper end, which contains the oscillating looper for making the "piqué" stitch. Upper feed, vibrating presser. With stand and table.....	\$ 41 00
	Speed 700. Cipher, AFCEG.	
✓ 46 K 2	FOR CHILDREN'S GLOVES. Differs from No. 46 K 1 in having smaller column and looper. With stand and table.....	41 00
	Cipher, AFEIH.	

NOTE. See Form 9044.

MACHINES OF CLASS 46K



MACHINE NO. 46K15

For Glove Work—Making the "Prix Seam" Stitch.

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 whether for use with foot or knee lifter.

NO.	DESCRIPTION	PRICE
46K15	FOR GLOVE WORK. "Prix seam" stitch; has horizontal C. B. shuttle and horizontal 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. Knee or foot lifter as ordered	\$ 40 00
	Cipher, AFCOJ. See Form 9142.	

MACHINES OF CLASS 46 K

Machines Nos. 46 K 25 to 46 K 28 inclusive are fitted with loopers and make either single or double chain stitch. They make the raised purl stitch called "surjeteuse" or "round seam." The feed is positive and the machines may be ordered with either knee or foot lifter as desired.

NO.	DESCRIPTION	PRICE
46 K 25	FOR GLOVE WORK. "Surjeteuse" or "round seam" stitch; horizontal needle and reciprocating overcasting looper, single or double chain stitch; wheel feed adjustable for 7, 10, 14, 21 or 28 stitches to the inch; knee or foot lifter.	\$ 40 00
	Cipher, AFDEH.	
46 K 26	FOR FINE FUR STITCHING. "Surjeteuse" or "round seam" stitch; horizontal needle and reciprocating overcasting looper, single or double chain stitch; feed wheel attached to a bracket, leaving clear space for handling the work. Makes 7, 10, 14, 21 or 28 stitches to the inch; knee or foot lifter.	40 00
	Cipher, AFDIJ.	
46 K 27	Differs from No. 46 K 26 only in being fitted for stitching heavy furs. Shortest stitch 14 to the inch.	40 00
	Cipher, AFDOK.	
46 K 28	FOR HEAVY GLOVE WORK AND HEAVY FUR SEWING. "Surjeteuse" or "round seam" stitch. Makes single or double chain stitch; wheel feed for 7, 10 or 14 stitches to the inch.	47 50
	Cipher, AFDUL.	

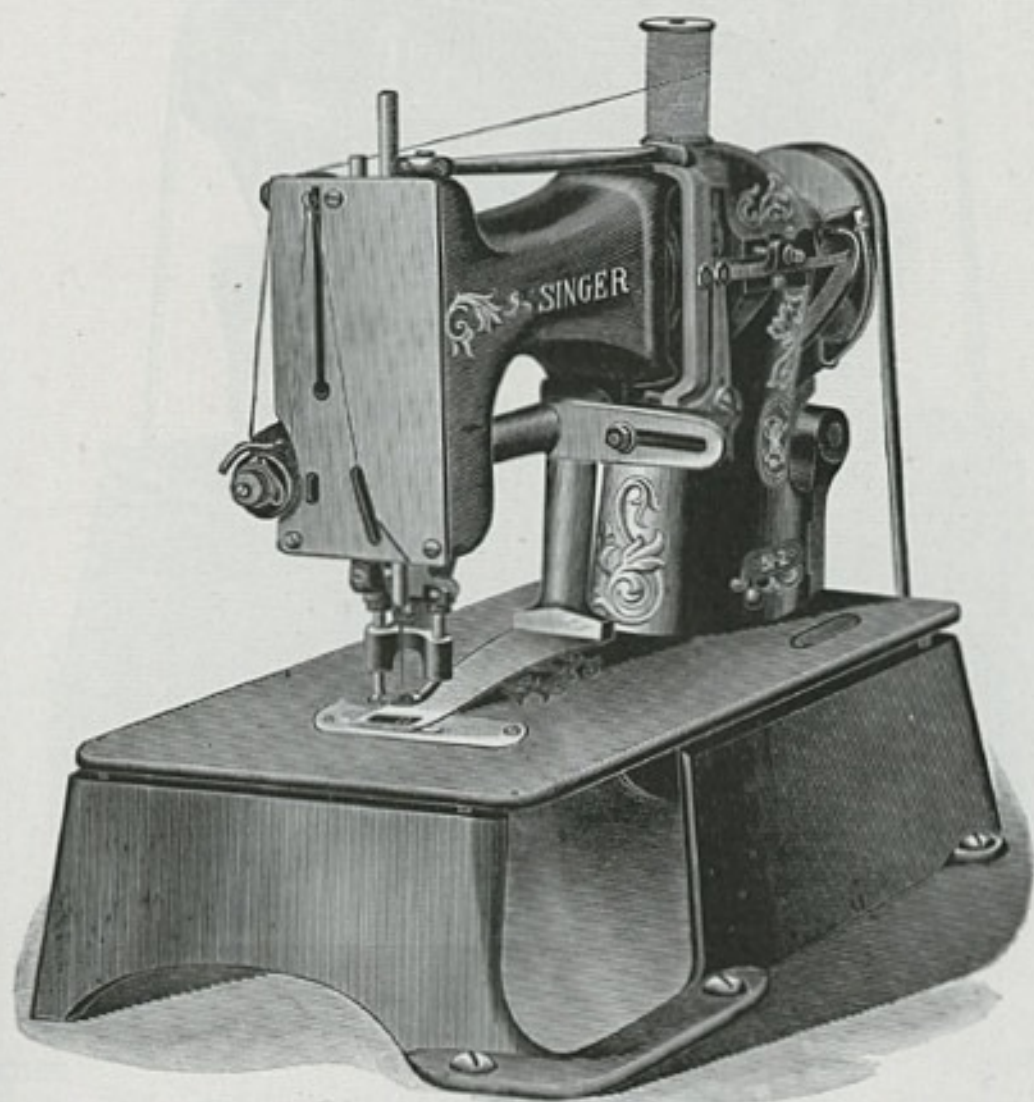
NOTE. When single loopers are used the stitch made on Machines Nos. 46 K 27 and 46 K 28 is the same; when double loopers are used the stitch made by 46 K 28 is locked on both sides of the material and that made by 46 K 27 shows one row of locks on the *edge*, the other row on the *side* of the material.

This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf of a book. The paper has a slightly textured appearance with some faint smudges and discoloration, characteristic of old paper. The left edge of the page is bound into a dark, worn material, possibly leather or cloth, which is visible as a dark strip along the left margin.

MACHINES OF CLASS 51

For barring buttonholes, tacking shoes, clothing, etc. Make stitches lengthwise the tack, which are afterward covered by shorter transverse ones. Automatic stop.

Base and foot lifter. Bobbin No. 2996. Speed 1200.

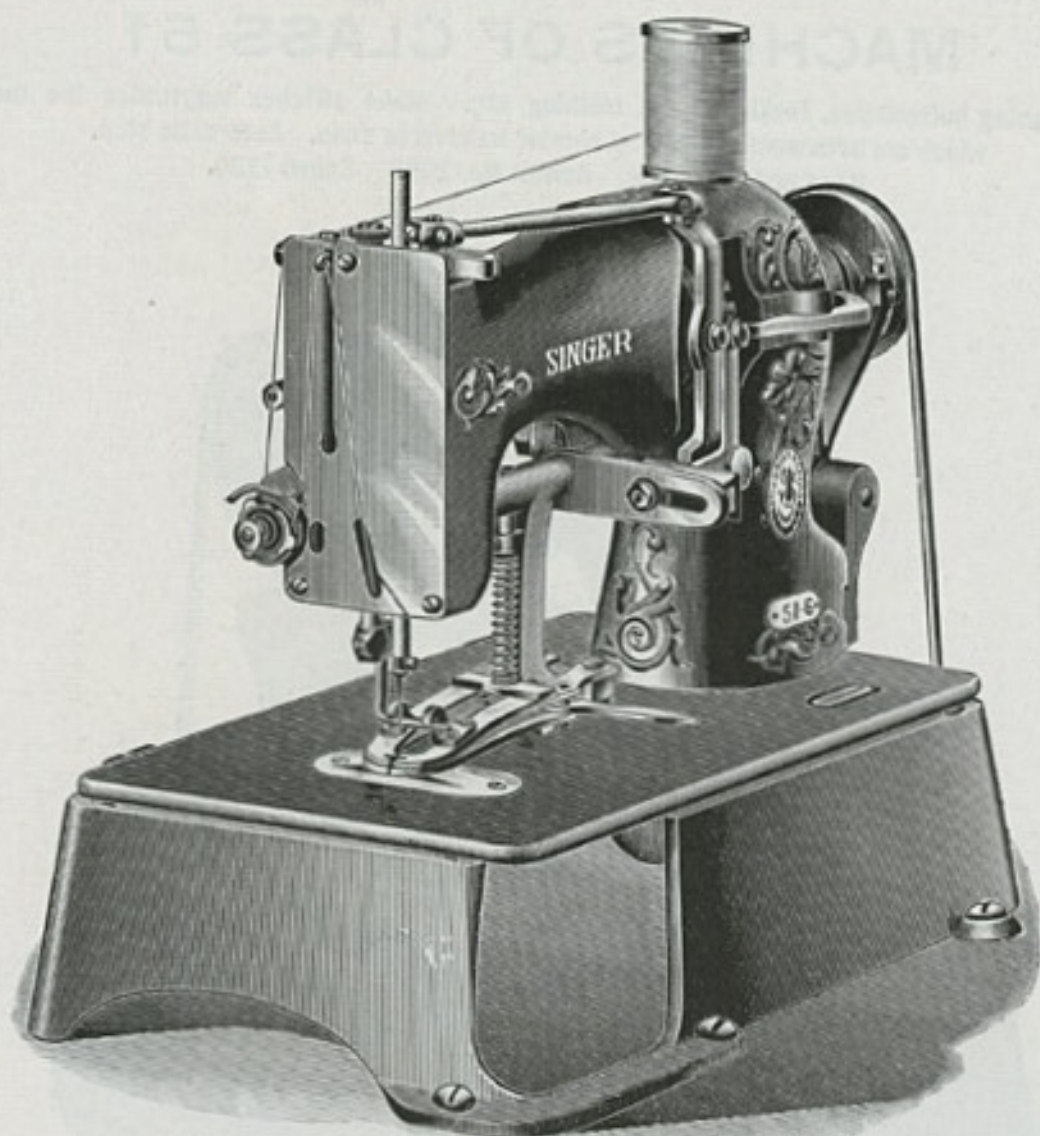


MACHINE NO. 51-2

NO.	DESCRIPTION	PRICE
51-1	FOR MAKING BARS $\frac{1}{8}$ to $\frac{1}{4}$ inch long; six long, ten cross stitches Cipher, EKJAS.	\$100 00
51-2	FOR MAKING TACKS $\frac{3}{16}$ to $\frac{3}{8}$ inch long; six long, twelve cross stitches Cipher, EKJET.	100 00
51-3	FOR MAKING TACKS $\frac{1}{4}$ to $\frac{7}{16}$ inch long; ten long, twenty-four cross stitches Cipher, EKJOW.	100 00
51-4	FOR SHOES. Makes tack $\frac{3}{16}$ to $\frac{3}{8}$ inch long; eight long and eight cross stitches in centre of tack..... Cipher, EKJUX.	100 00

NOTE. See Form 9045.

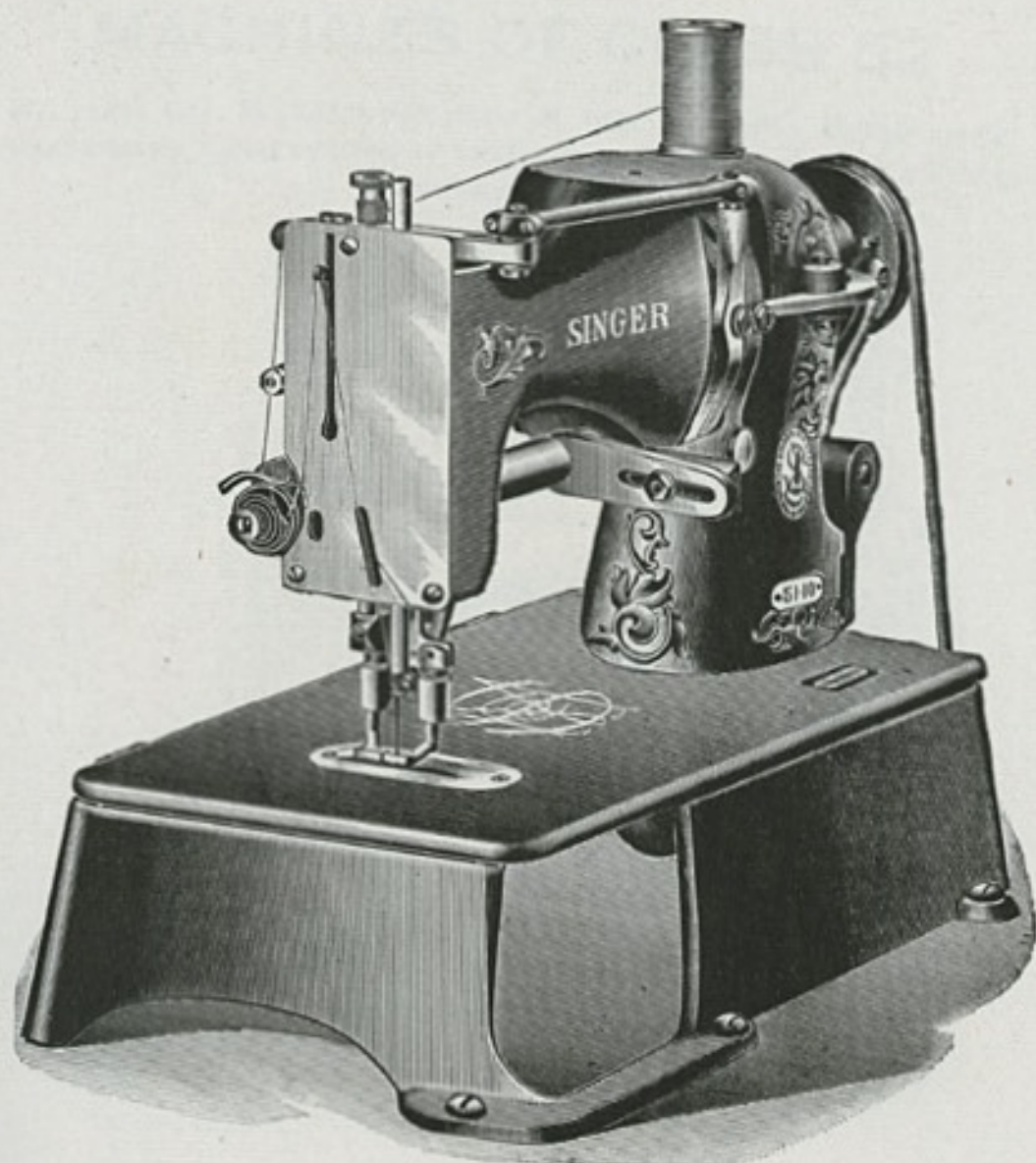
MACHINES OF CLASS 51



MACHINE No. 51-6

NO.	DESCRIPTION	PRICE
51-6	FOR MAKING BARS $\frac{1}{8}$ to $\frac{1}{4}$ inch long; six long, twelve cross stitches; length of long and cross stitches adjustable. Has clamp for closing together and holding the ends of buttonholes while tacking.	\$100 00
	Cipher, EKKAT.	
51-7	Differs from No. 51-6 only in having clamp that does not close the end of buttonhole.	100 00
	Cipher, EKKEV.	

MACHINES OF CLASS 51

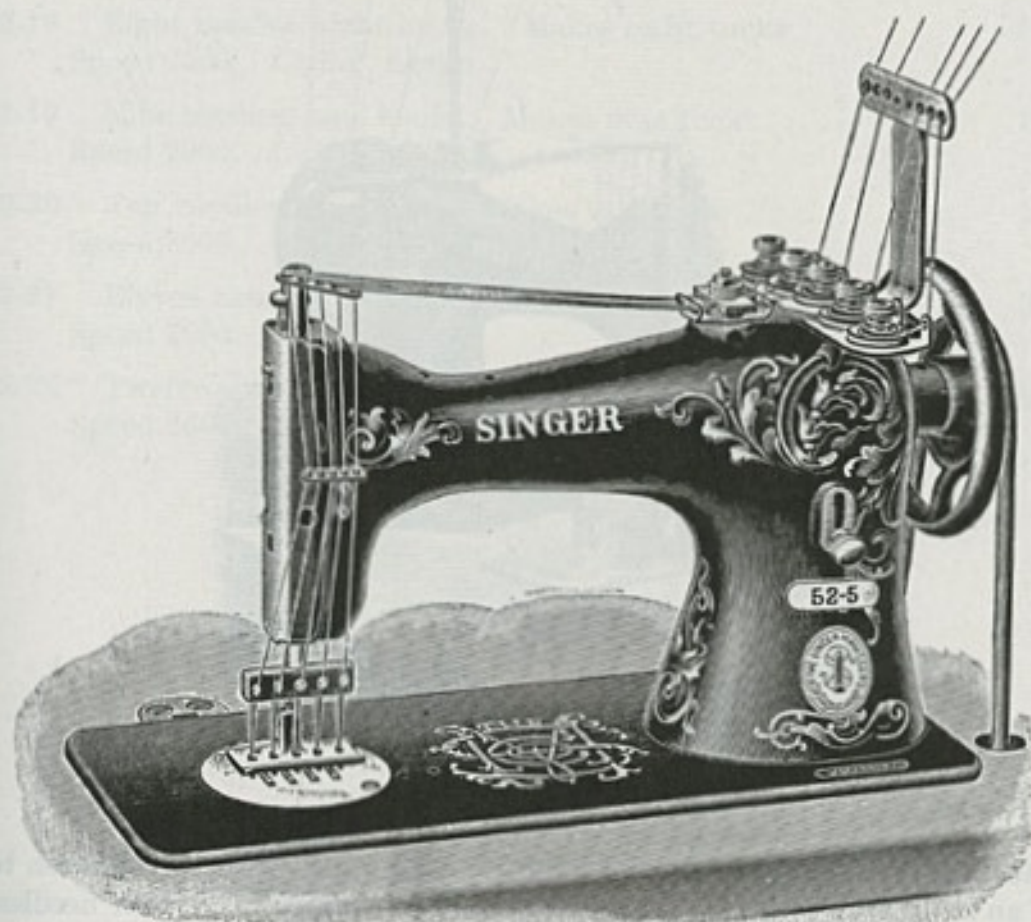


MACHINE NO. 51-10

NO.	DESCRIPTION	PRICE
51-8	FOR TACKING COAT AND TROUSERS POCKETS, ETC. Makes tack $\frac{3}{16}$ to $\frac{5}{16}$ inch long; thirty-five stitches in complete tack .. Cipher, EKKOX.	\$100 00
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 Cipher, EKKUZ.	100 00
51-10	FOR TACKING DRAWER STRAPS, CLOTHING, ETC. Makes tack $\frac{5}{16}$ to $\frac{3}{4}$ inch long; ten long stitches and thirty-five cross stitches Cipher, EKLAV.	100 00
51-15	FOR SEWING BUCKLES UPON TROUSERS, VESTS, ETC. Overstitches the bar of the buckle on both sides of the tongue..... Cipher, EKLW.	100 00
51-16	FOR SNAPPING HAT BINDING $\frac{1}{2}$ to $1\frac{1}{4}$ inches wide; has clamp for holding the ends of the binding while being snapped or joined..... Cipher, EKLIX.	100 00

MACHINES OF CLASS 52

Bed $14\frac{1}{2}$ inches long; $6\frac{1}{2}$ inches clear space at right of needle. Multiple needle. For simultaneously making a number of parallel rows of single thread chain stitching. Oscillating hooks.

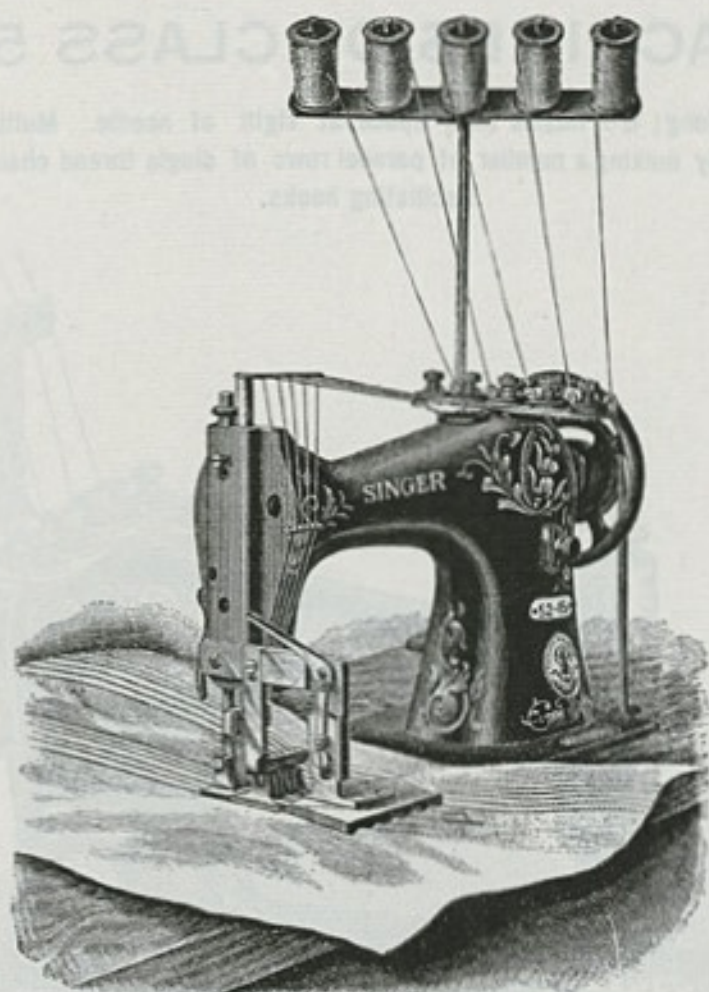


MACHINE No. 52-5

NOTE. The greatest distance between the two outside needles is $2\frac{1}{4}$ inches; the space between the outside needles will be divided into smaller spaces or gauges as ordered, except that none can be less than $\frac{1}{8}$ inch. There can be no feeding surface between the needles WHEN GAUGES ARE NARROWER THAN $\frac{3}{16}$ INCH. See Form 9046.

NO.	DESCRIPTION	PRICE
52-2	Two needles, two hooks. Speed 2400. Cipher, EKMUB....	\$ 50 00
52-3	Three needles, three hooks. Speed 2400. Cipher, EKMYC	60 00
52-4	Four needles, four hooks. Speed 2400. Cipher, EKNAX ...	70 00
52-5	Five needles, five hooks. Speed 2400. Cipher, EKNEZ	80 00
52-6	Six needles, six hooks. Speed 2400. Cipher, EKNOB	90 00
52-7	Seven needles, seven hooks. Speed 2400. Cipher, EKNUC .	100 00
52-8	Eight needles, eight hooks. Speed 2400. Cipher, EKNYD..	110 00
52-9	Nine needles, nine hooks. Speed 2000. Cipher, EKPEB....	120 00
52-10	Ten needles, ten hooks. Speed 2000. Cipher, EKPIC.....	130 00
52-11	Eleven needles, eleven hooks. Speed 2000. Cipher, EKPOD.	140 00
52-12	Twelve needles, twelve hooks. Speed 2000. Cipher, EKPYP.	150 00

MACHINES OF CLASS 52



MACHINE NO. 52-15.

Machines Nos. 52-13 to 52-22 are Nos. 52-3 to 52-12, 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 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
52-13	Three needles, three hooks. Makes three tucks..... Speed 2400. Cipher, EKLAB.	\$105 00
52-14	Four needles, four hooks. Makes four tucks..... Speed 2400. Cipher, EKREC.	117 50
52-15	Five needles, five hooks. Makes five tucks Speed 2400. Cipher, EKRID.	130 00

MACHINES OF CLASS 52

NO.	DESCRIPTION	PRICE
52-16	Six needles, six hooks. Makes six tucks. Speed 2400. Cipher, EKRUF.	\$142 50
52-17	Seven needles, seven hooks. Makes seven tucks. Speed 2400. Cipher, EKSAC.	155 00
52-18	Eight needles, eight hooks. Makes eight tucks Speed 2400. Cipher, EKSED.	167 50
52-19	Nine needles, nine hooks. Makes nine tucks Speed 2000. Cipher, EKSOE.	180 00
52-20	Ten needles, ten hooks. Makes ten tucks Speed 2000. Cipher, EKSUG.	192 50
52-21	Eleven needles, eleven hooks. Makes eleven tucks. Speed 2000. Cipher, EKTAD.	205 00
52-22	Twelve needles, twelve hooks. Makes twelve tucks. Speed 2000. Cipher, EKTIF.	217 50

52-30 FOR STITCHING STRAIGHT BANDS UPON LADIES' AND CHILDREN'S KNIT PANTALETES, APRONS, ETC., in one operation. Three needles, three hooks, distance between outside needles from 1 to 1½ inches; has upper and under folders and positive adjustable ruffling device for fulling in the body of the goods while stitching, knee lifter. 125 00
Speed 2400. Cipher, EKVEF.

52-31 FOR CLOSING AND TAPING THE HEEL SEAMS OF SHOE LININGS in one operation. Three needles, three hooks, gauges ⅛ to ⅜ inch, has tape guiding foot and adjustable lap seam guide. . . . 70 00
Speed 2400. Cipher, EKVIG.

NOTE. Strip folding foot No. 31661 for folding the taping while stitching can be furnished with Machine No. 52-31 at an additional cost of \$4.50 net.

52-32 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. 125 00
Speed 2400. Cipher, EKVOH.

NOTE. No. 52-32 will be furnished in gauges ¼, 1½ and ¾ inches unless otherwise ordered.

MACHINES OF CLASS 53

Bed 14½ inches long; clear space at right of needle 6½ inches. One needle. Oscillating hook.
Single thread chain stitch.

NO.	DESCRIPTION	PRICE
53-1	FOR CLOTH. Drop feed..... Speed 2400. Cipher, ELBAL.	\$ 22 50
53-2	FOR CLOTH. Has adjustable trimmer, drop feed; see note under Machine No. 44-8..... Speed 2000. Cipher, ELBEM.	35 00
53-3	FOR BAG SEWING. Length of stitch up to ¼ inch, drop feed. Speed 1800. Cipher, ELBIN.	22 50



MACHINE NO. 53-4

NO.	DESCRIPTION	PRICE
53-4	FOR ORNAMENTING THE BACKS OF GLOVES WITH TAMBOUR STITCH. Has clamp for holding the work in position and auto- matically feeding the glove through while stitching, the clamp is manually returned to the starting point for the succeeding line of stitching. The machine is fitted with mechanism operated by the knee for releasing the feed pawls and feed bar friction spring, to facilitate the return of the clamp..... Speed 700. Cipher, ELBUP. See Form 9305.	\$ 72 00

NOTE. This machine is regularly fitted with two ratchets for making 7 and 14, and 8 and 16 stitches to the inch. Ratchets for 10 or 12 stitches to the inch will be substituted if so ordered. In ordering state what length of stitch is desired.

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MACHINES OF CLASS 53

53-1 The Class 53 machines are of the type known as the "Twin Needle" type. They are of the type known as the "Twin Needle" type. They are of the type known as the "Twin Needle" type.

53-2 The Class 53 machines are of the type known as the "Twin Needle" type. They are of the type known as the "Twin Needle" type. They are of the type known as the "Twin Needle" type.

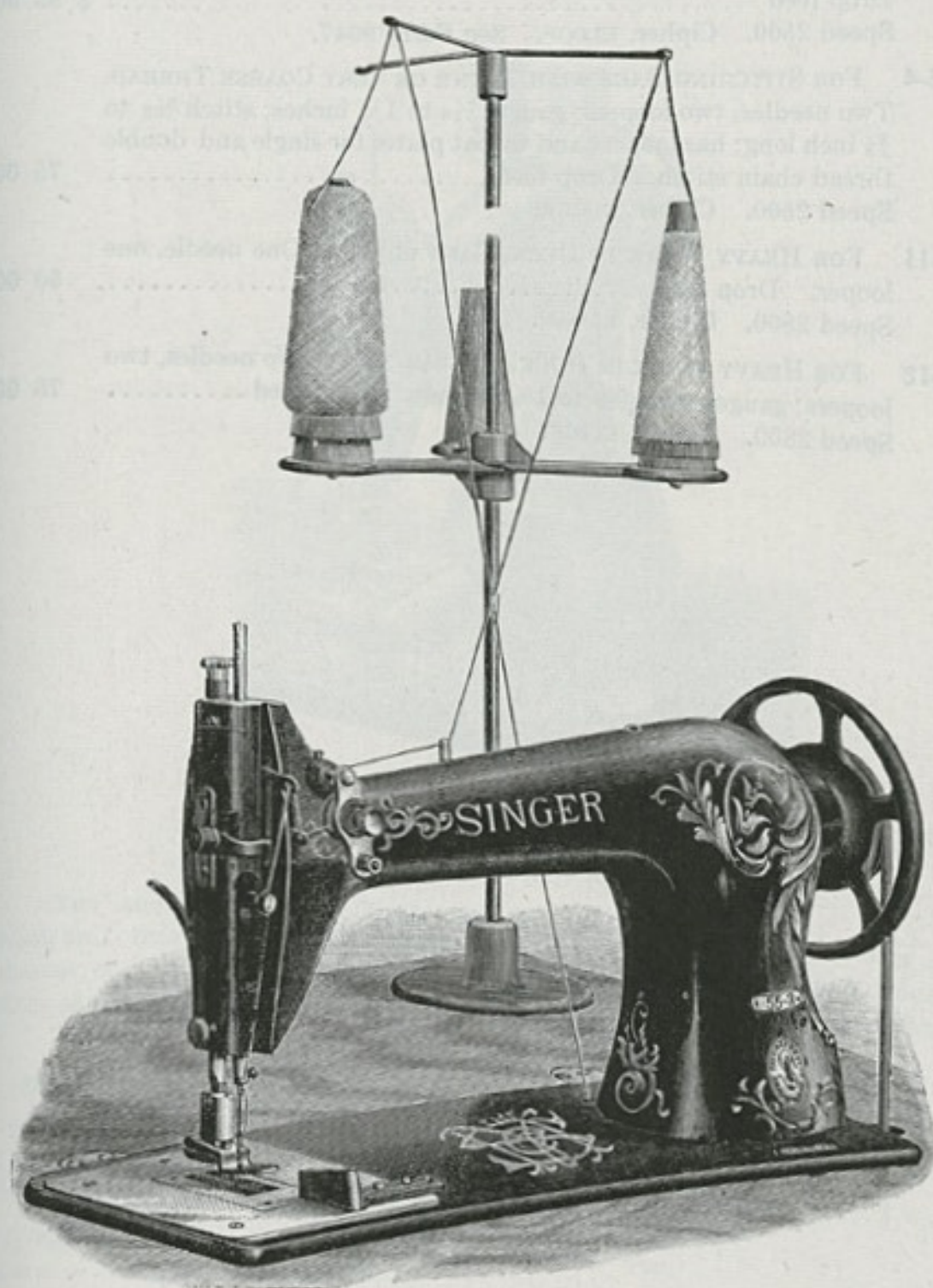


53-3 The Class 53 machines are of the type known as the "Twin Needle" type. They are of the type known as the "Twin Needle" type. They are of the type known as the "Twin Needle" type.

53-4 The Class 53 machines are of the type known as the "Twin Needle" type. They are of the type known as the "Twin Needle" type. They are of the type known as the "Twin Needle" type.

MACHINES OF CLASS 55

Bed 18 inches long; clear space at right of needle $10\frac{1}{6}$ inches. Two thread chain stitch except as otherwise described. Knee lifter.



MACHINE NO. 55-3

NO.	DESCRIPTION	PRICE
55-1	FOR LIGHT FABRICS. One needle, one looper. Drop feed. . .	\$ 50 00
	Speed 2800. Cipher, ELCAM.	

MACHINES OF CLASS 55

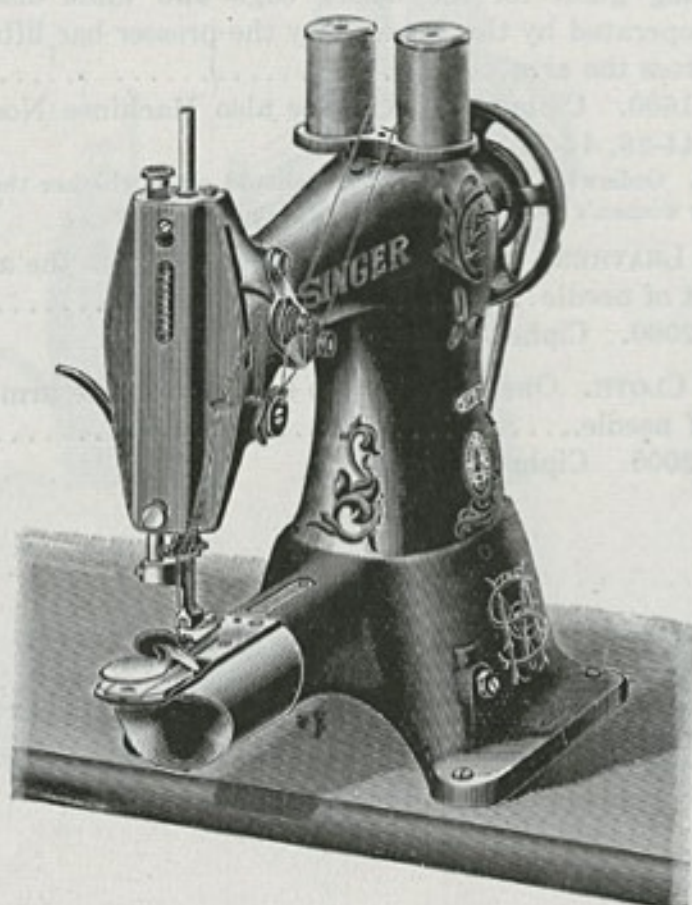
NO.	DESCRIPTION	PRICE
55-3	FOR STITCHING BAGS WITH TWINE OR VERY COARSE THREAD. Makes stitch $\frac{5}{32}$ to $\frac{3}{8}$ inch long; one needle, one looper. Has loopers and throat plates for single and double chain stitch. Drop feed Speed 2500. Cipher, ELCOP. See Form 9047.	\$ 55 00
55-4	FOR STITCHING BAGS WITH TWINE OR VERY COARSE THREAD. Two needles, two loopers; gauges $\frac{7}{16}$ to $1\frac{1}{4}$ inches; stitch $\frac{5}{32}$ to $\frac{3}{8}$ inch long; has loopers and throat plates for single and double thread chain stitch. Drop feed Speed 2500. Cipher, ELCUR.	75 00
55-11	FOR HEAVY WORK IN DUCK, CANVAS, ETC. One needle, one looper. Drop feed Speed 2800. Cipher, ELDAN.	50 00
55-12	FOR HEAVY WORK IN DUCK, CANVAS, ETC. Two needles, two loopers; gauges from $\frac{5}{32}$ to $1\frac{3}{16}$ inches. Drop feed Speed 2800. Cipher, ELDIP.	75 00



MACHINES OF CLASS 56

Cylinder bed $2\frac{1}{2}$ inches in diameter; $7\frac{1}{2}$ inches clear space from needle to base of arm.

Central Bobbin. Link take-up. Foot lifter. Bobbin No. 19131.



MACHINE NO. 56-2 WITH LAP SEAM FELLER NO. 26353

The machines of Class 56 are used for many different processes in shoe work and other manufactures 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.

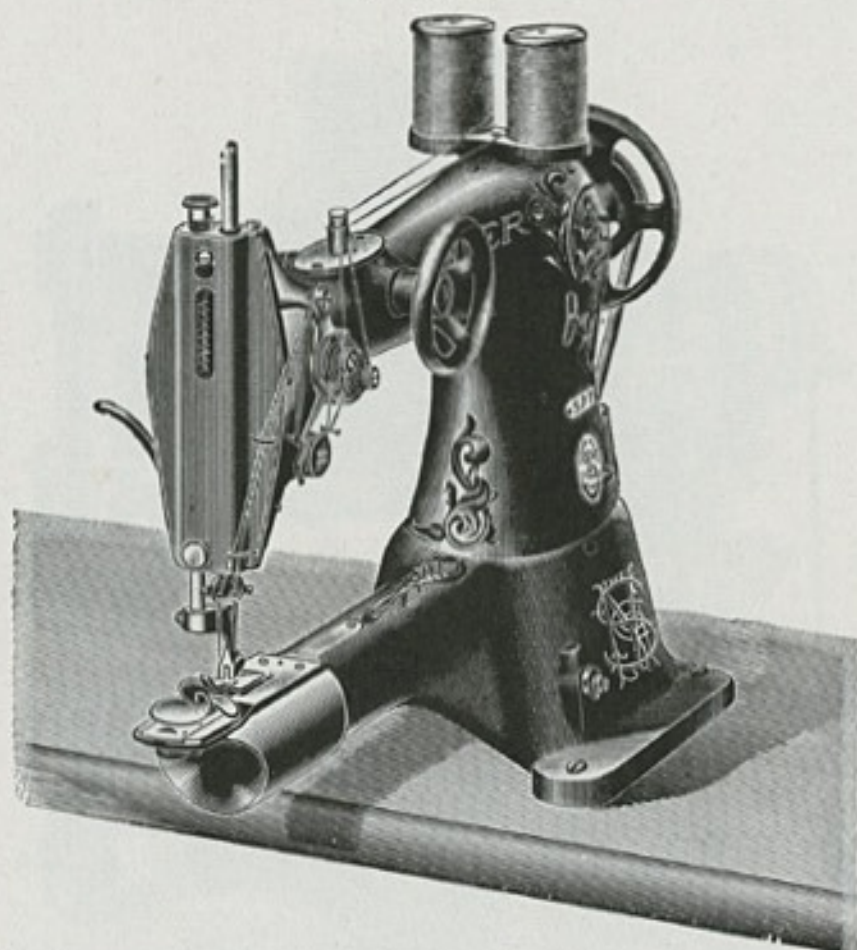
NO.	DESCRIPTION	PRICE
56-1	FOR LEATHER. One needle, drop feed up the arm, feed at left of needle.....	\$ 45 00
	Speed 2000. Cipher, ELDOR.	
The Lap Seam Feller is furnished with the 56-2 machine only when so ordered and at an additional price of \$2.55 net.		1; 70 00
	Speed 2000. Cipher, ELDUS.	
56-3	FOR CLOTH. One needle, drop feed up the arm; feed both sides of the needle.....	45 00
	Speed 2000. Cipher, ELDYT.	

MACHINES OF CLASS 56

NO.	DESCRIPTION	PRICE
56-4	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; drop feed across the arm.....	\$ 65 00
	Speed 1600. Cipher, ELFEP. See also Machines Nos. 31-40, 31-41, 44-26, 44-27	
	NOTE. Orders for Machine No. 56-4 should state whether they are for men's or women's shoes, Oxford shoes or sandal slippers.	
56-11	FOR LEATHER. One needle; drop feed across the arm, feed at right of needle.....	45 00
	Speed 2000. Cipher, ELFIR.	
56-13	FOR CLOTH. One needle; drop feed across the arm, feed at right of needle.....	45 00
	Speed 2000. Cipher, ELFOS.	
56-14	FOR CLOTH. One needle, drop feed across the arm ; feed at left of needle.....	\$45.00
	Speed 2000. Cipher, ELFUT.	

MACHINES OF CLASS 57

Cylinder bed $2\frac{1}{2}$ inches diameter; $10\frac{1}{4}$ 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. 26353

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
57-1	FOR LEATHER. One needle; drop feed up the arm, feed at left of needle.....	\$ 47 50
	Speed 2000. Cipher, ELGYX.	
The Lap Seam Feller is furnished with the 57-2 machine only when ordered and at an additional price of \$2.55 net.		
	ge $\frac{5}{16}$ inch,	72 50
	Speed 2000. Cipher ELHAS.	
57-3	FOR CLOTH. One needle; drop feed up the arm, feed both sides of the needle	47 50
	Speed 2000. Cipher, ELHET.	
57-4	FOR CLOTHING, ETC. One needle; has extended throat plate for use with universal felling attachment No. 35100; drop feed up the arm	50 00
	Speed 2000. Cipher, ELHIV.	
57-14	FOR CLOTH. One needle; drop feed across the arm, feed at left of needle.....	47 50
	Speed 2000. Cipher, ELHOW.	

MACHINES OF CLASS 257

These are the machines of Class 257, which are used for the purpose of sewing, and are of the following description:—

1. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

2. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

3. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

4. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

5. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

6. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

7. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

8. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

9. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

10. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

11. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

12. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

13. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

14. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

15. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

16. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

17. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

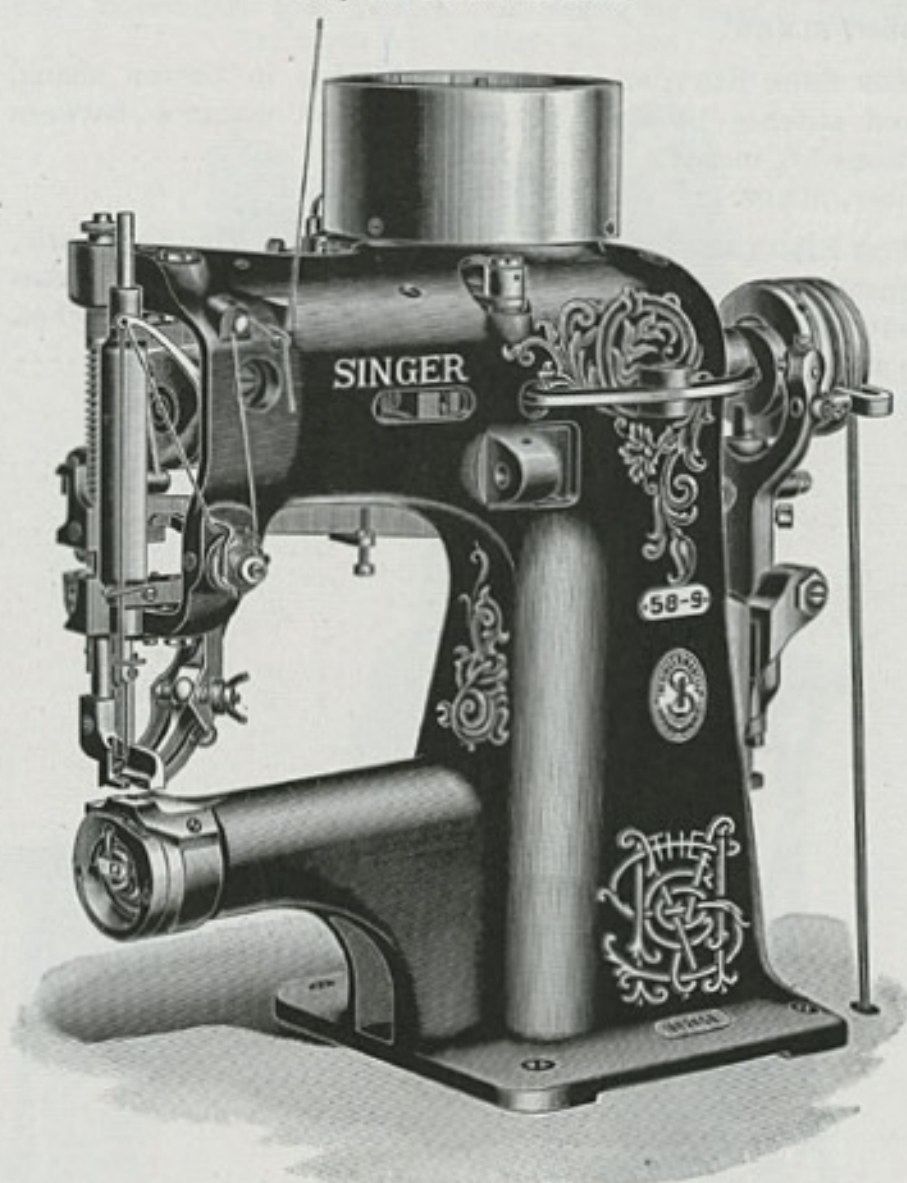
18. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

19. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

20. The machine of Class 257, which is used for the purpose of sewing, and is of the following description:—

MACHINES OF CLASS 58

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



MACHINE NO. 58-9

The buttons are placed in a hopper 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 affect the security of any of the others. Speed 1200. See Form 9049.

NO.	DESCRIPTION	PRICE
58-1	FOR LARGE BUTTONS UPON LEGGINGS. Makes twelve stitches in button shank and fifteen stitches between buttons; greatest distance between buttons $2\frac{1}{4}$ inches	\$200 00
	Cipher, ELJUZ.	
58-2	FOR LARGE BUTTONS UPON OVERGAITERS. Makes twelve stitches in button shank, nine stitches between buttons. Greatest distance between buttons $1\frac{1}{2}$ inches	200 00
	Cipher, ELKAV.	

MACHINES OF CLASS 58

NO.	DESCRIPTION	PRICE
58-3	FOR SHOE BUTTONS. Makes twelve stitches in button shank, nine stitches between buttons; greatest distance between buttons $1\frac{1}{2}$ inches	\$200 00
	Cipher, ELKEW.	
58-5	FOR SHOE BUTTONS. Makes ten stitches in button shank, seven stitches between buttons; greatest distance between buttons $1\frac{1}{4}$ inches	200 00
	Cipher, ELKOZ.	
58-9	FOR REGULAR AND MILO SHOE BUTTONS. Has automatic, adjustable button carrier for buttons of different sizes. Makes twelve stitches in the button shank and four fastening stitches. No stitches between buttons. Supersedes No. 58-4	200 00
	Cipher, ELLAW. See Form 9214.	

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. For binding the edges of felt hats.
Has needle feed. Bobbin No. 8604.



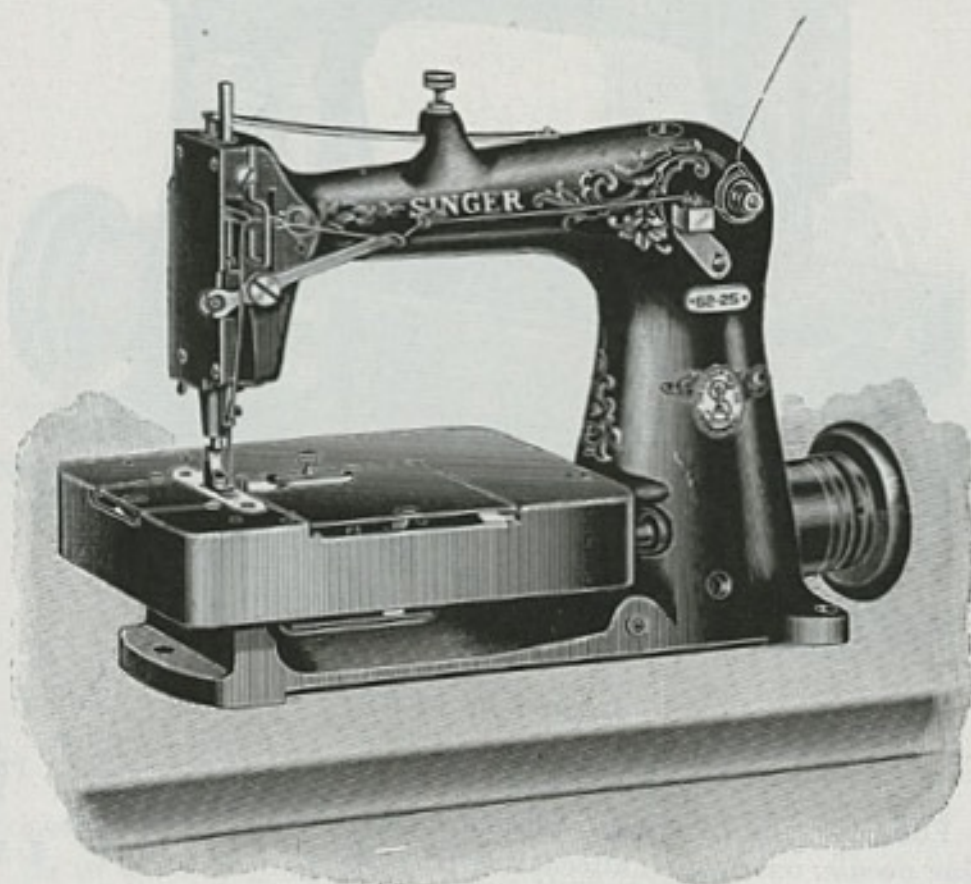
MACHINE NO. 59-1 ON FOOT POWER STAND NO. 25242

NO.	DESCRIPTION	PRICE
59-1	FOR BINDING BRIMS OF STIFF FELT HATS..... Cipher, ELKYB.	\$100 00

NOTE. A binder for soft hats, No. 26619, price \$6.00, and needle plate No. 26631, price \$1.50, can be furnished if desired. See Form 9050.

MACHINES OF CLASS 62

8 $\frac{3}{4}$ inches clear working space at right 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	\$ 45 00
	Speed 3200. Cipher, ELMUC. See Form 9143.	
	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.	45 00
	Speed 3000. Cipher, ELNAZ. See Form 9144.	

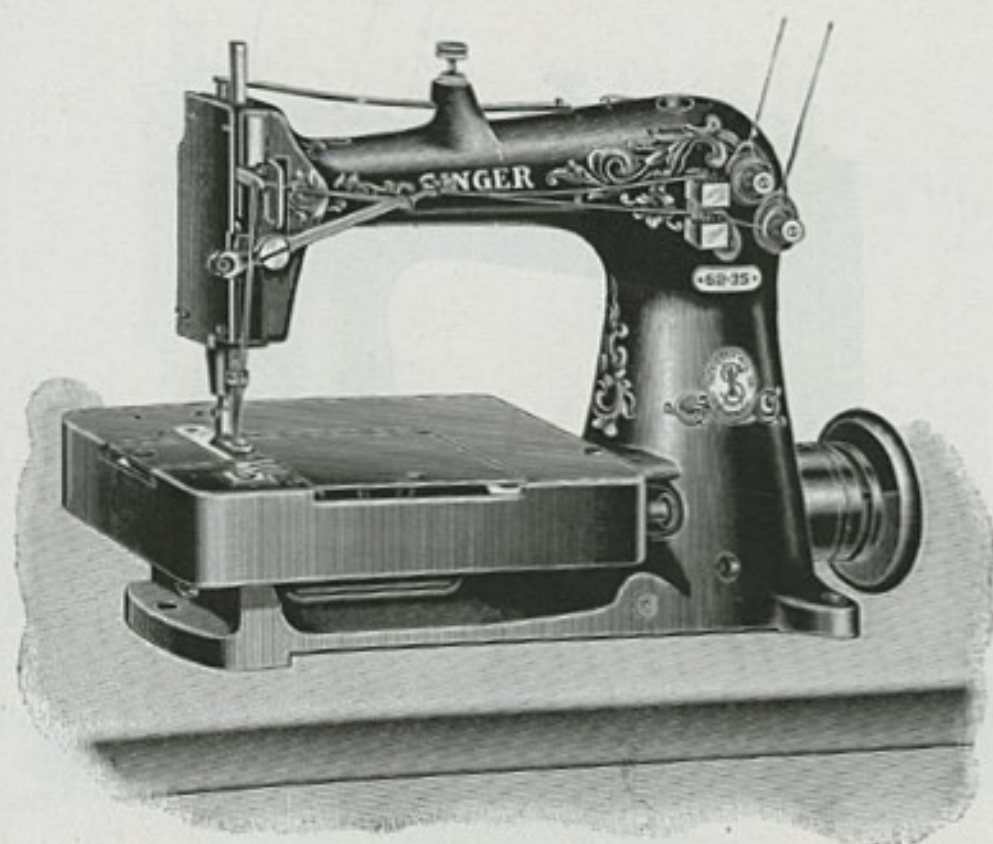
MACHINES OF CLASS 62



MACHINE No. 62-27

NO.	DESCRIPTION	PRICE
62-27	FOR CLOTH OR LEATHER. Closing shoes, stitching gloves, etc. One needle, one looper, alternating pressers.	\$ 50 00
	Speed 1600. Cipher, ELMYD. See Form 9200.	
62-28	FOR STITCHING BUTTON STAYS ON KNIT UNDERWEAR. One needle, one looper, transverse tubular binder and auxiliary feed.	80 00
	Speed 2000. Cipher, ELNUD. See Form 9210.	
62-29	FOR CASKET LININGS. 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.	\$ 80 00
	Speed 2500. Cipher, ELNUD.	
	Formerly 62 S. V. 58.	
	has vertical trimmer that trims by compression, and is adjustable to trim $\frac{1}{16}$ to $\frac{3}{16}$ inch from needle.	80 00
	Speed 3000. Cipher, ELNUD. See Form 9210.	
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 needle.	80 00
	Speed 3000. Cipher, ELPAB. See Form 9211.	

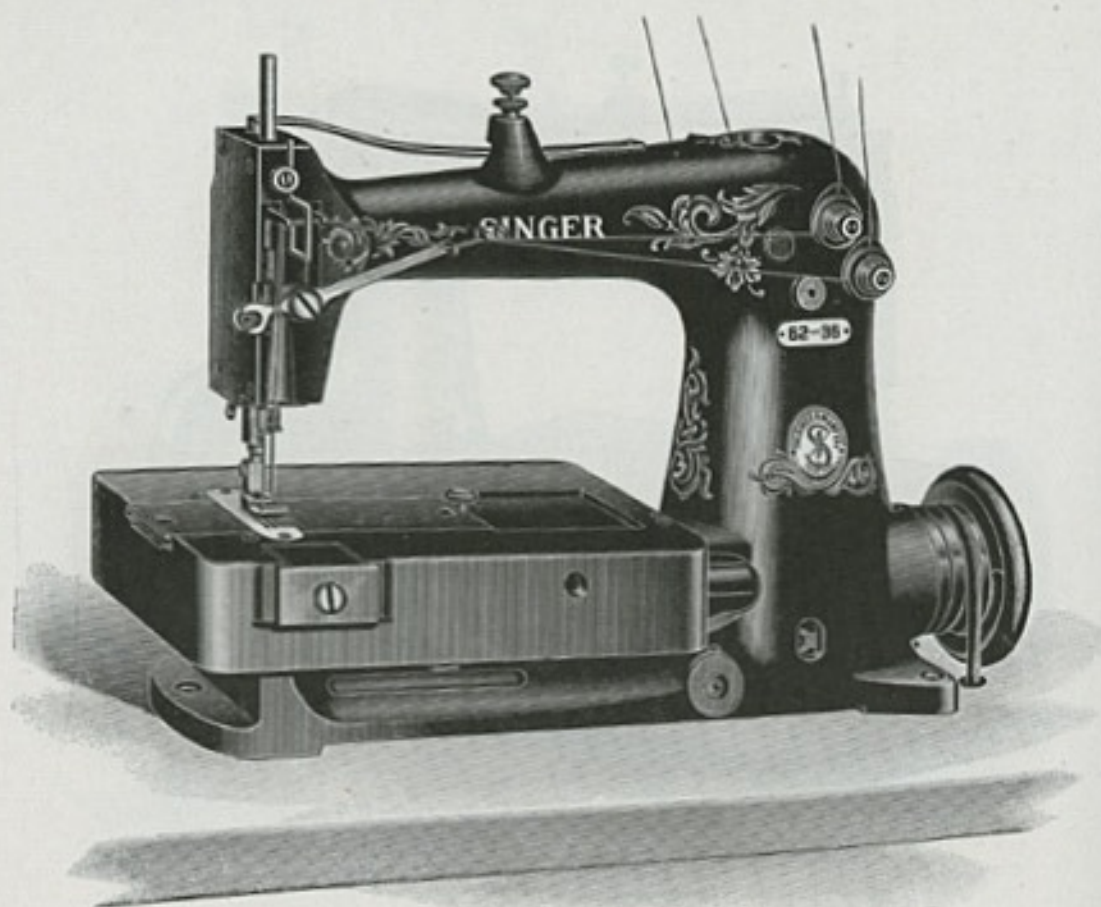
MACHINES OF CLASS 62



MACHINE No. 62-35

NO.	DESCRIPTION	PRICE
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 needle, alternating pressers Speed 1600. Cipher, ELPEC. See Form 9227.	\$ 75 00
62-35	FOR STAYING SHOES. Two needles, two loopers; gauges $\frac{3}{32}$ to $\frac{3}{16}$ inch Speed 3000. Cipher, ELPUP. See Form 9145.	100 00

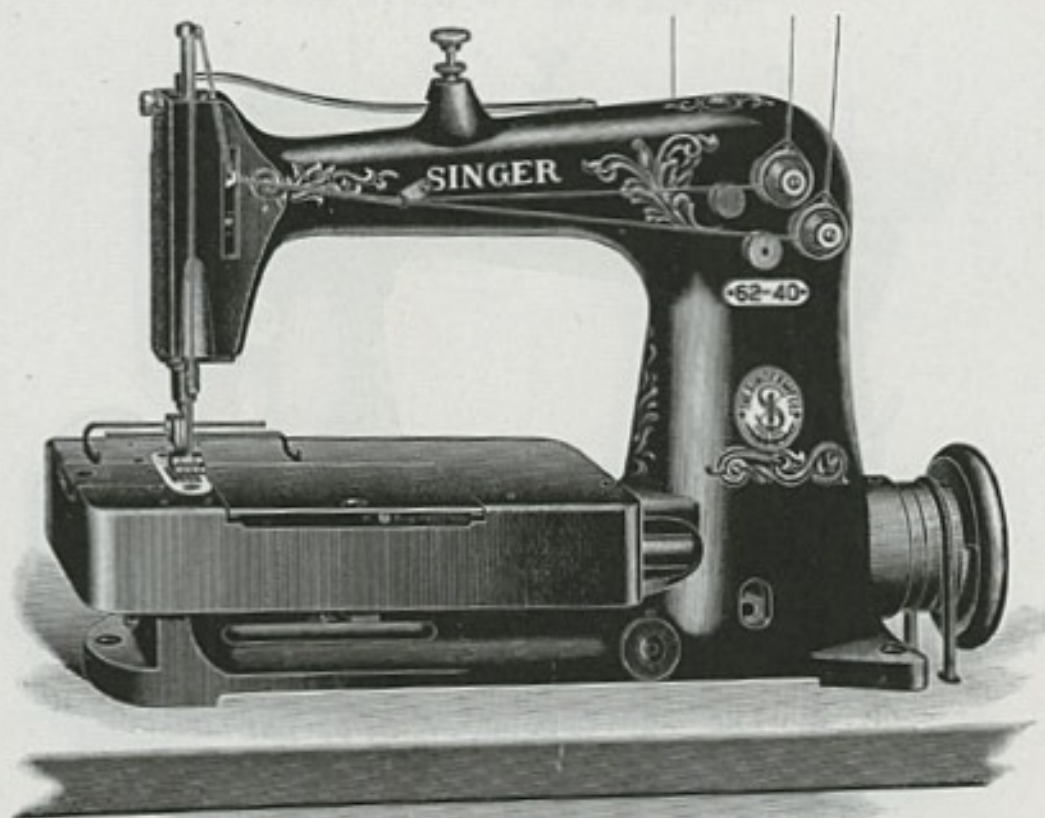
MACHINES OF CLASS 62



MACHINE NO. 62-36

NO.	DESCRIPTION	PRICE
62-36	FOR TWO LINE STITCHING IN FABRICS. Has cloth plate specially fitted for lap seam feller. Two needles, two loopers; gauges $\frac{3}{32}$ to $\frac{3}{8}$ inch.....	\$100 00
	Speed 3200. Cipher, ELRAC. See Form 9146.	
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.	75 00
	Speed 3000. Cipher, ELROF. See Form 9189.	
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....	65 00
	Speed 3000. Cipher, ELRUG. See Form 9190.	

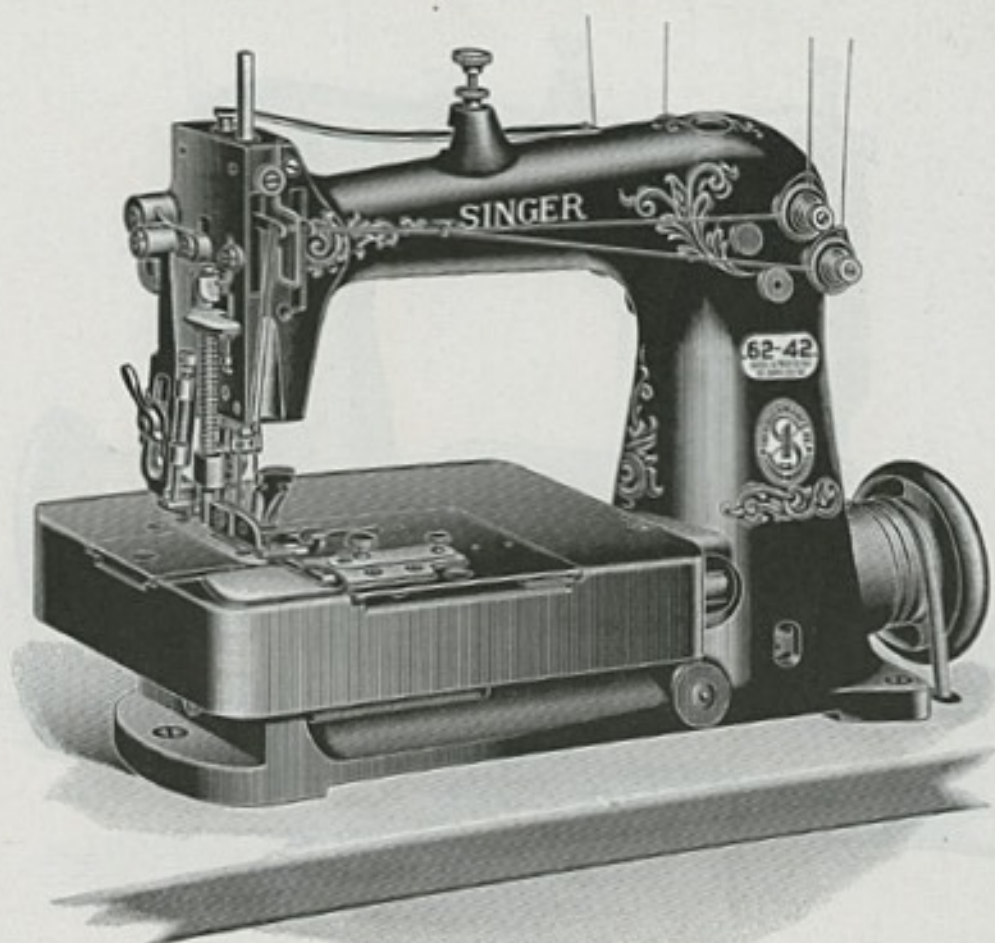
MACHINES OF CLASS 62



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 $\frac{3}{64}$ to $\frac{1}{8}$ inch; presser foot No. 46271 and throat plate No. 46274 for plain stitching. Supersedes No. 62-8.	\$ 65 00
	Speed 3000. Cipher, ELSAD. See Form 9199.	
62-41	FOR LEATHER, HEMMING LEATHER GLOVES, ETC. Two needles, one looper; gauges $\frac{1}{32}$ to $\frac{1}{16}$ inch; alternating pressers.	70 00
	Speed 1600. Cipher, ELSIF. See Form 9201.	

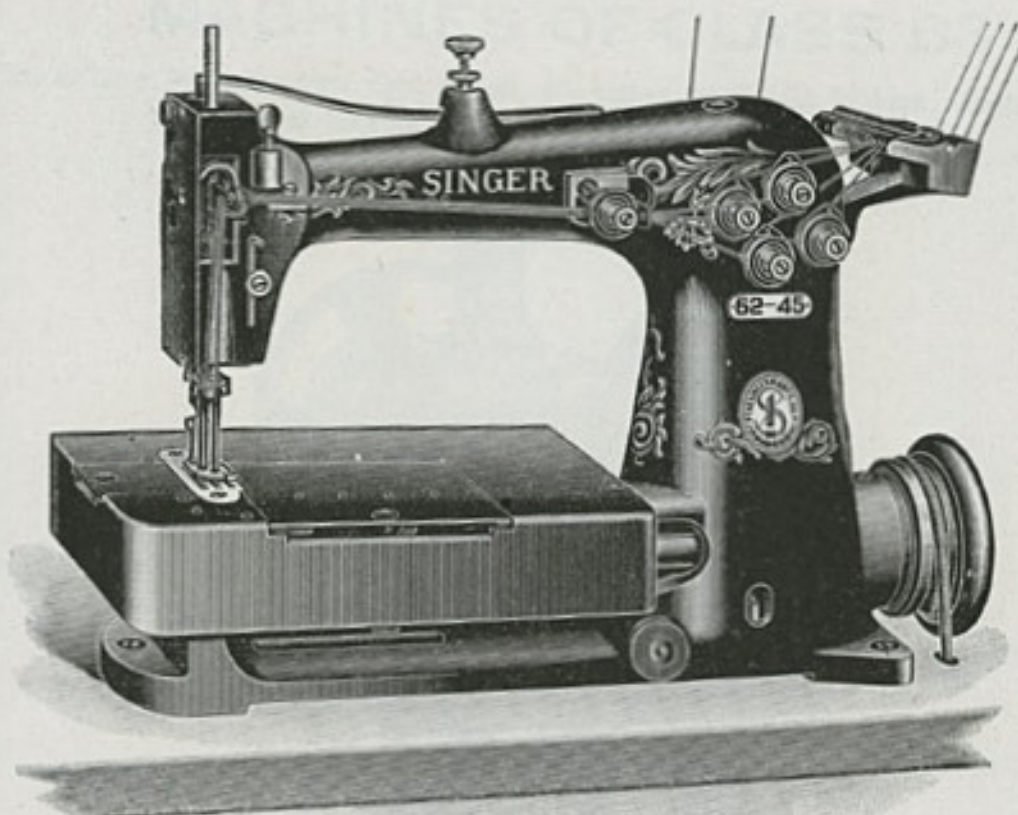
MACHINES OF CLASS 62



MACHINE NO. 62-42

NO.	DESCRIPTION	PRICE
62-42	<p>FOR SKIRTS AND OTHER GARMENTS. Has positive ruffling mechanism (adjustable) with folders and guides for simultaneously ruffling a flounce or a strip, joining it to the body or the edge of the skirt, and securing it under a folded strip; also for making and stitching ruffles upon a flounce, skirt or other article as desired. Other folders can be furnished upon order for producing many varieties of ruffled work. Two needles, two loopers; gauges $\frac{5}{32}$, $\frac{3}{16}$ or $\frac{1}{4}$ inch</p> <p>Speed 3000. Cipher, ELSOG. See Form 9212.</p> <p>NOTE. With orders for Machine No. 62-42 finished samples of the work and material must be sent for testing the machine before shipment.</p>	\$135 00
62-43	<p>FOR SKIRTS, MUSLIN UNDERWEAR, ETC. Has positive ruffling mechanism below with graduated adjustment above the cloth plate; has 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</p> <p>Speed 3000. Cipher, ELSUH. See form 9220.</p>	135 00
62-44	<p>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</p> <p>Speed 1600. Cipher, ELTEF. See Form 9219.</p>	105 00

MACHINES OF CLASS 62



MACHINE No. 62-45 ON BENCH STAND

NO.	DESCRIPTION	PRICE
62-45	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 $\frac{1}{32}$ to $\frac{5}{64}$ inch, and between the second and third needles $\frac{1}{8}$ to $1\frac{3}{32}$ inch.	\$125 00
	Speed 3000. Cipher, ELTIG. See Form 9191.	
62-46	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 $\frac{1}{32}$ to $\frac{1}{8}$ inch specified. Has four needles, two loopers. Gauges between the first and second and between the third and fourth needles $\frac{1}{32}$ to $\frac{5}{64}$ inch, and between the second and third needles $\frac{1}{8}$ to $1\frac{3}{32}$ inch	125 00
	Speed 3000. Cipher, ELTOH. See Form 9192	
62-49	FOR TRIMMING AND STITCHING KNIT GOODS AND OTHER FABRICS. Has auxiliary feed mechanism and vertical shear trimmer (adjustable) to trim from $\frac{1}{16}$ to $\frac{3}{16}$ inch from the needle. One needle, one looper	95 00
	Speed 3000. Cipher, ELVAF.	
62-50	FOR VAMPING AND FOXING SHOES. Two needles, one looper, gauges $\frac{1}{32}$ to $\frac{1}{16}$ inch. Roller presser	65 00
	Speed 3000. Cipher, ELVEG.	

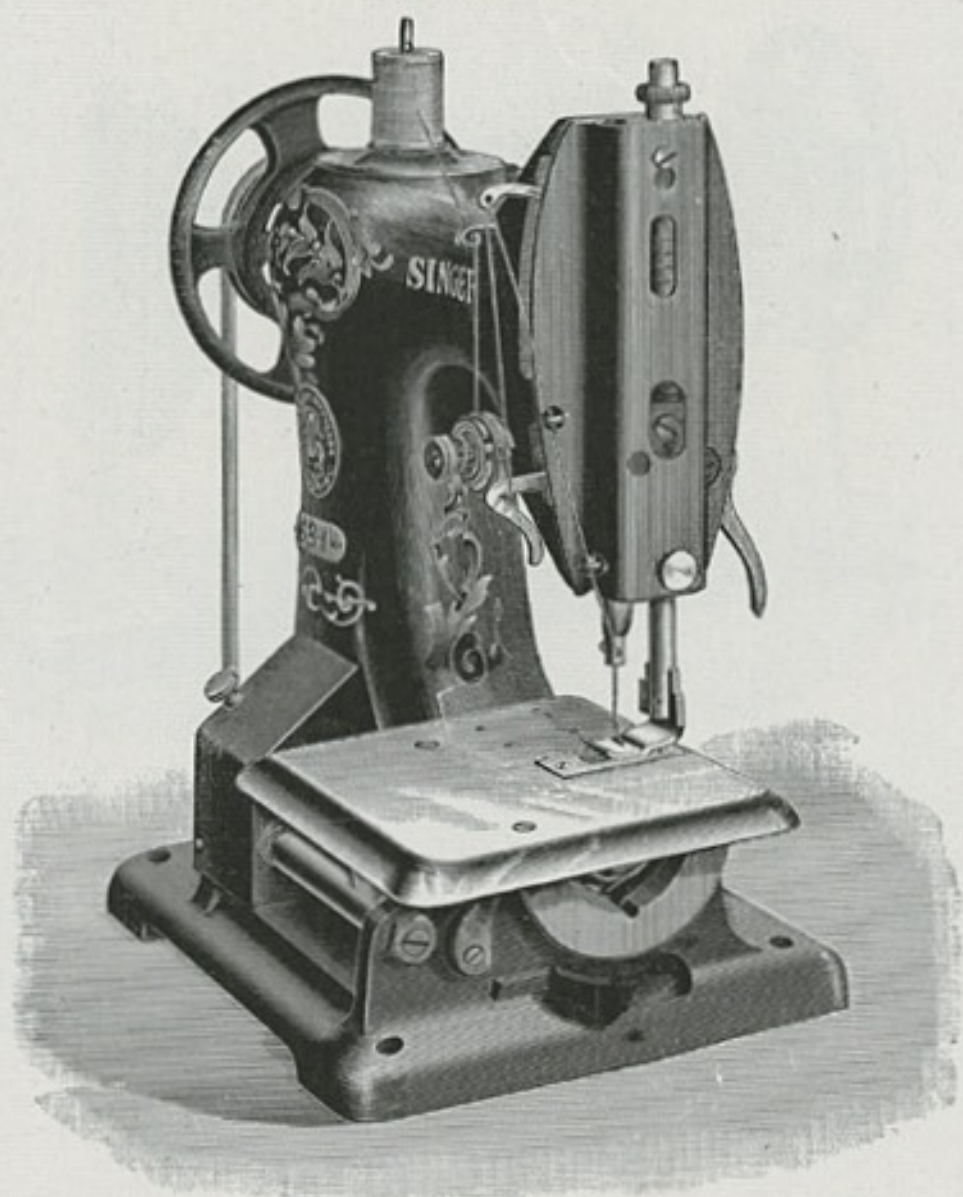
62-51 FOR ORNAMMENTING THE BACKS OF GLOVES WITH A BRAID
 STITCH. One needle, one looper..... \$ 50 00
 Speed 3200. Cipher, ELVOJ.
 Formerly 62 S. V. 63 Machine.



62-51 FOR ORNAMMENTING THE BACKS OF GLOVES WITH A BRAID
 STITCH. One needle, one looper..... \$ 50 00
 Speed 3200. Cipher, ELVOJ.
 Formerly 62 S. V. 63 Machine.

MACHINES OF CLASS 63

Size of base 7 $\frac{1}{2}$ inches from right to left, 8 $\frac{1}{2}$ inches from front to back. Central bobbin shuttle. Link take-up. Knee or foot lifter. Feed from left to right. Bobbin No. 24051.



MACHINE NO. 63-1

NO.	DESCRIPTION	PRICE
63-4	FOR RUNNING AND BANDING COLLARS AND CUFFS. Adjustable presser foot. Drop feed Speed 2800. Cipher, EMBEN.	\$ 25 00
63-5	FOR SHIRTS, LINEN AND COTTON GOODS. Drop feed Speed 2800. Cipher, EMBOP.	25 00
63-6	FOR UNDERCLOTHING, DRESSMAKING AND WORK OF SIMILAR QUALITY. Drop feed..... Speed 2800. Cipher, EMBUR.	25 00

NOTE. See Form 9053.

MACHINES OF CLASS 66

Bed 14 $\frac{1}{2}$ inches long; 8 inches clear space at right of needle. Horizontal oscillating hook.
Stationary bobbin case. Link take-up. Bobbin No. 32522.



MACHINE No. 66-1

NO.	DESCRIPTION	PRICE
66-1	FOR FAMILY USE..... Cipher, EMCAN.	\$ — —
66-3	FOR FAMILY USE. Has hand attachment..... Cipher, EMCIP.	— —

MACHINES OF CLASS 66

and 14/2 inches long; 3 inches deep; 1 inch of wood. Hand-cranked and cast-iron base. Cast-iron body with the top up. Model No. 2272.



Machine No. 66-1

DESCRIPTION

No.

66-1 For Family Use

Capit. 1000

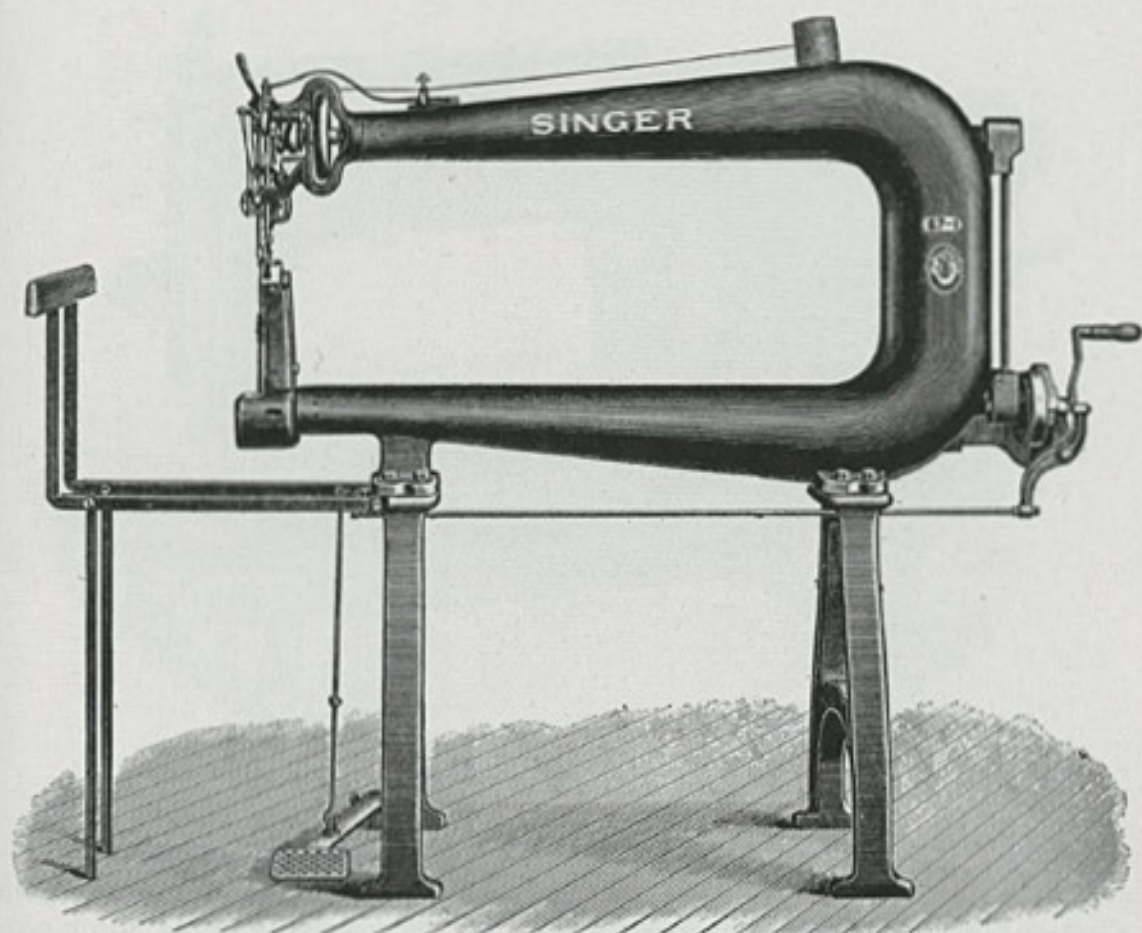
66-2 For Family Use Has hand attachment

Capit. 1000

PRICE

MACHINES OF CLASS 67

Length over all 6 feet 4 inches. Clear space at right of needle 4 feet 1 $\frac{1}{2}$ inches. Height from floor to throat plate 4 feet 1 $\frac{3}{4}$ inches. Has dash supporter and iron legs. Cylinder shuttle.



MACHINE NO. 67-1

NO.	DESCRIPTION	PRICE
67-1	FOR STITCHING CARRIAGE DASHES AND FENDERS. Equipped for either hand or mechanical power. Has large, oscillating, long beak shuttle, needle plates adjustable for panel or raised work without removing screws, and independent upper and under feeds with smooth surfaces, that cannot mar the work. Speed 80. Cipher, EMCOR. See Form 9058.	\$350 00

MACHINES OF CLASS 67

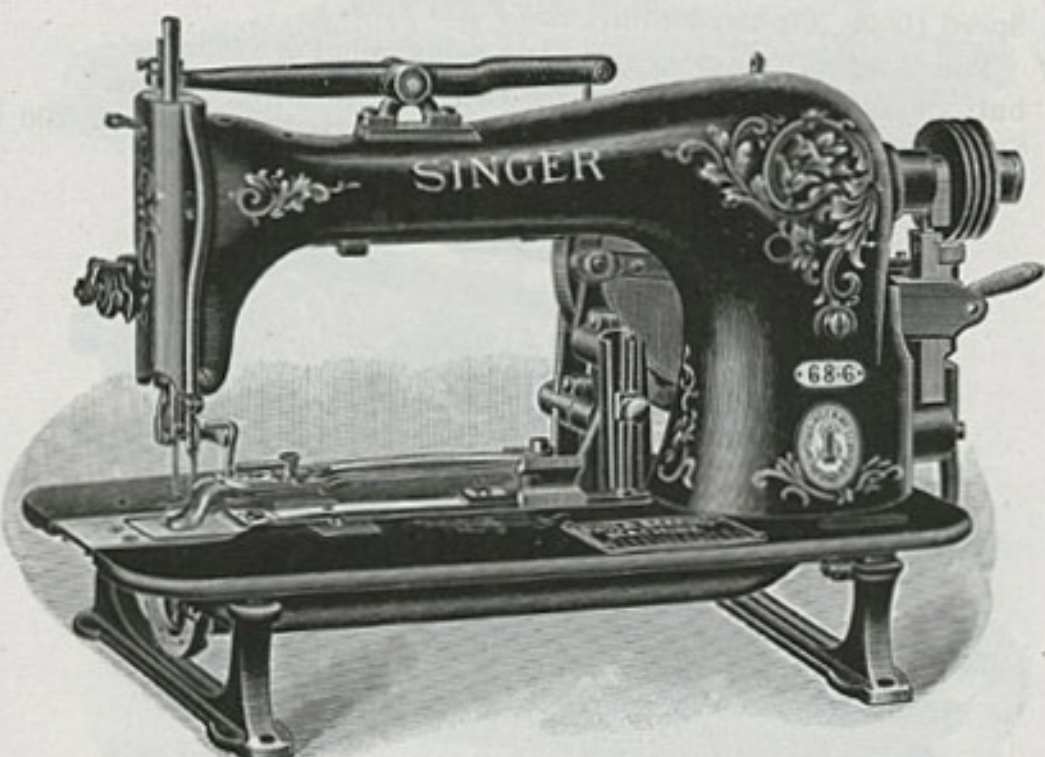
Length over all 5 feet 4 inches. Total width of light 25 inches 4 feet 11 inches. Height from floor to lowest part of table 10 inches. Total depth 4 feet 11 inches. Total weight 100 lbs.



Fig. 1. The following is a description of the machine shown in the accompanying illustration. It is a large, heavy-duty machine, designed for the purpose of sewing heavy fabrics, such as canvas, and is capable of sewing in both directions. The machine is mounted on a tall, rectangular stand, which is supported by four legs. The stand is made of metal and is painted a light color. The machine itself is made of dark metal and has a long, horizontal arm extending from the stand. This arm supports the sewing head and needle assembly. The sewing head is located at the front of the machine and is connected to a large, circular flywheel. The flywheel is located at the back of the machine and is connected to a series of gears and belts. The machine is designed to be operated by a person standing at the front of the machine. The person would use a large, curved handle to operate the flywheel. The machine is capable of sewing in both directions, which makes it very versatile. It is also capable of sewing in both directions, which makes it very versatile. The machine is capable of sewing in both directions, which makes it very versatile.

MACHINES OF CLASS 68

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



MACHINE NO. 68-6

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, 68-4, 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.

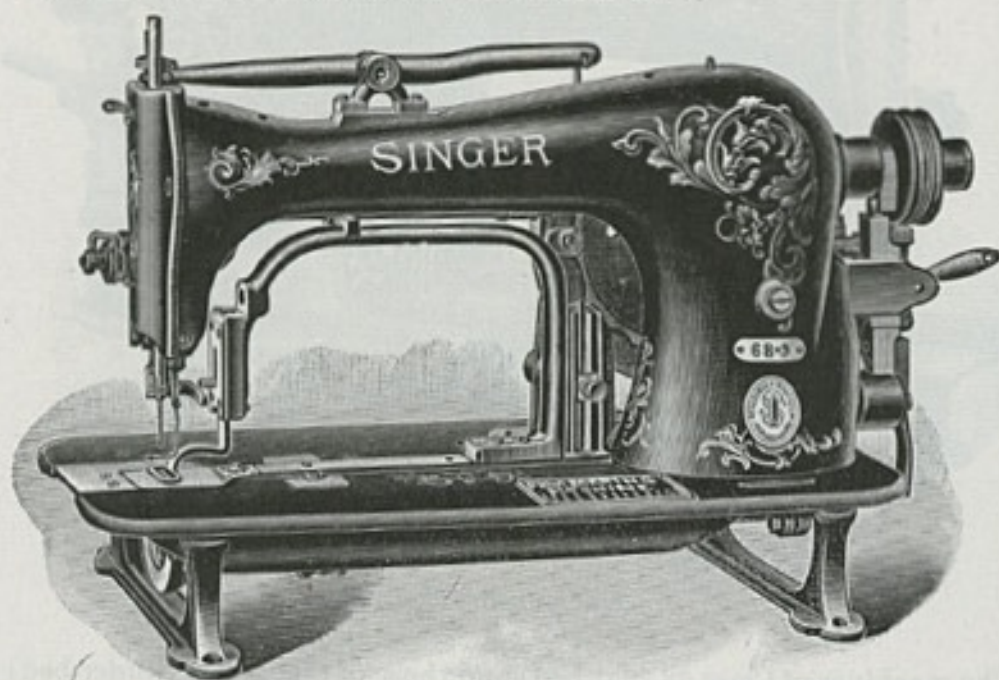
The table below designates the machines of Classes 68 and 69 for doing the same styles of work respectively:

68-6	..... same as	69-5	68-12	..... same as	69-10
68-7	..... " " .....	69-6	68-14	..... " " .....	69-7
68-9	..... " " .....	69-11	68-15	..... " " .....	69-13
68-10	..... " " .....	69-8	68-16	..... " " .....	69-12
68-11	..... " " .....	69-9	68-21	..... " " .....	69-15

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.....	\$200 00
	Speed 1000. Cipher, EMCYT. See Form 9228.	
68-4	FOR TROUSERS. Bar buttons only. Makes eighteen stitches covering the bar and three tying stitches	200 00
	Speed 1000. Cipher, EMDEP.	

MACHINES OF CLASS 68

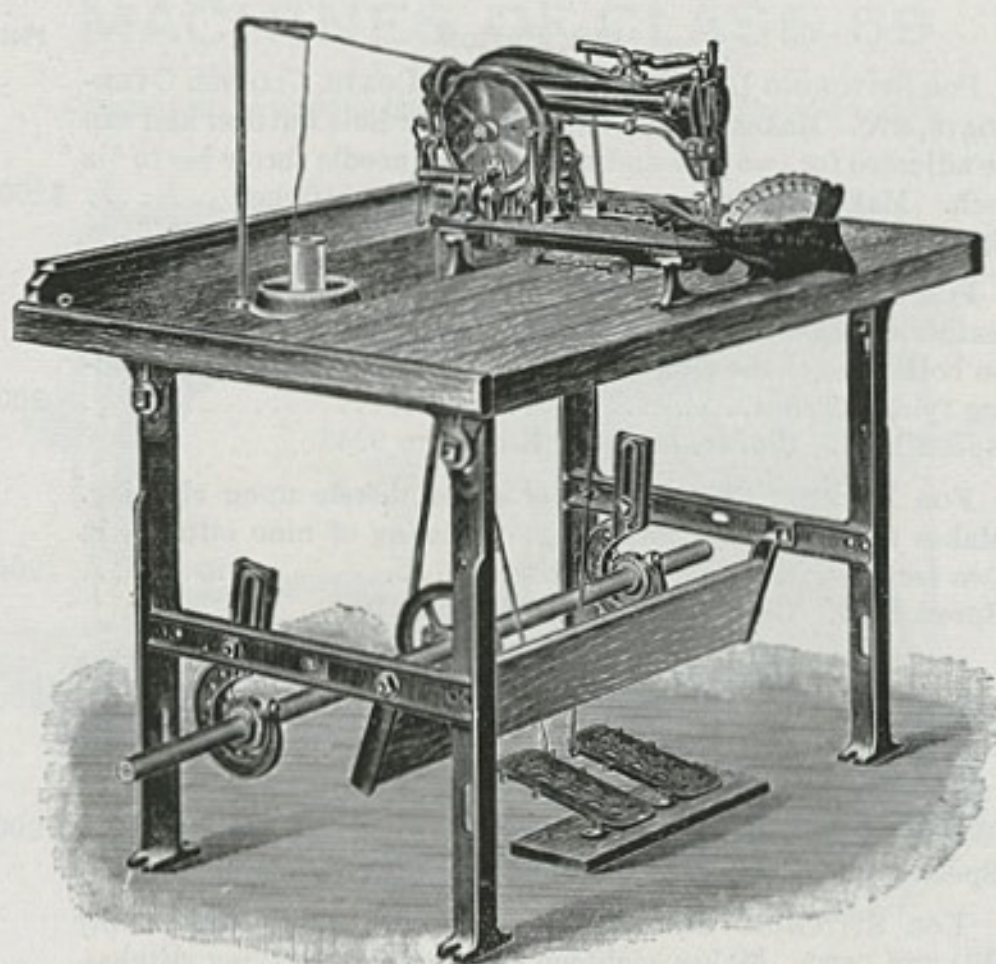
NO.	DESCRIPTION	PRICE
68-6	FOR CLOTHING, SHIRTWAISTS, ETC. Makes crossed stitches in four hole buttons and can be adjusted for two hole and bar buttons. Makes eighteen cross and three tying stitches.....	\$200 00
	Speed 1000. Cipher, EMDIR. See Form 9229.	
68-7	FOR SHIRTS, WAISTS AND UNDERWEAR. For four hole buttons and can be adjusted for two hole and bar buttons. Small buttons only. Makes eleven cross and three tying stitches.	200 00
	Speed 1000. Cipher, EMDOS. See Form 9229.	



MACHINE No. 68-9

NO.	DESCRIPTION	PRICE
68-9	FOR SEWING STRAPS TO GARMENTS, UNDERWEAR, ETC. Makes bar $\frac{3}{8}$ to $\frac{7}{8}$ inch long, consisting of three staying, thirty-six covering and three tying stitches.....	\$200 00
	Speed 1000. Cipher, EMDUT.	
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	200 00
	Speed 1000. Cipher, EMFAP. See Form 9230.	
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.....	200 00
	Speed 1000. Cipher, EMFER. See Form 9230.	
68-12	Differs from No. 68-11 only in having the clamp fitted for closing together the end of the buttonhole before barring.....	200 00
	Seed 1000. Cipher, EMFIS. See Form 9230.	
68-14	FOR SHOE TACKING. Makes two stay, nine long, seven cross and three tying stitches.....	200 00
	Speed 1000. Cipher, EMFOT. See Form 9231.	

MACHINES OF CLASS 68



MACHINE No. 68-14

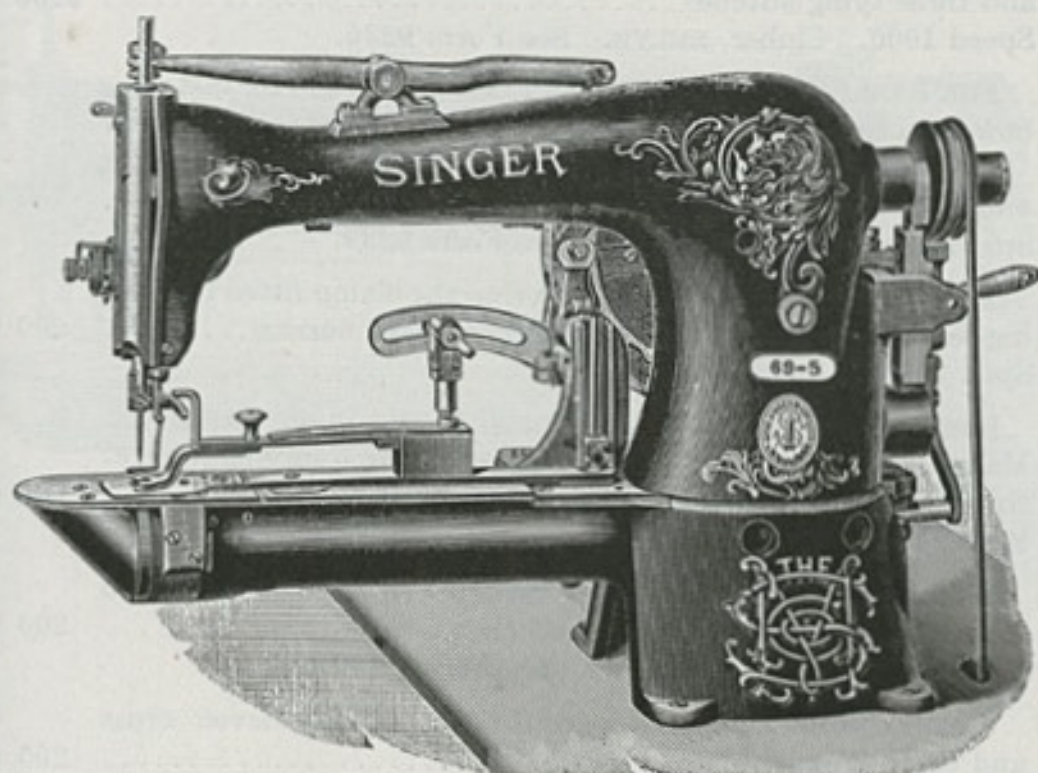
NO.	DESCRIPTION	PRICE
68-15	FOR TACKING ORNAMENTS TO SHOES. Makes eleven cross and three tying stitches Speed 1000. Cipher, EMFUV.	\$200 00
68-16	FOR SHOE TACKING. Makes tack up to $\frac{3}{8}$ inch long, two stay, nine long and seven cross stitches..... Speed 1000. Cipher, EMGAS. See Form 9231.	200 00
68-17	FOR ORNAMENTING GARMENTS, BELTS, SADDLE APRONS, ETC. Makes eighteen cross stitches and three tying stitches in cloth or leather, the ornament consisting of crossed stitches..... Speed 1000. Cipher, EMGET.	200 00
68-18	FOR TACKING COST MARKS ON CLOTHING. Makes four cross and three tying stitches..... Speed 1000. Cipher, EMGIV. See Form 9232.	200 00
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..... Speed 1000. Cipher, EMGOW. See Form 9233.	200 00
68-20	FOR MAKING FERN LEAF SHAPED ORNAMENTS on fine underwear, millinery goods, etc. Makes forty-two stitches..... Speed 1000. Cipher, EMGUX.	200 00

MACHINES OF CLASS 68

NO.	DESCRIPTION	PRICE
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.....	\$200 00
	Speed 1000. Cipher, EMGYZ. See Form 9234.	
68-22	FOR FASTENING TONGUE BUCKLES $\frac{3}{8}$ to $\frac{3}{4}$ inch wide upon leather or other articles, by overstitching the bar of the buckle on both sides of the tongue. Makes forty-two stitches, including tying stitches.....	200 00
	Speed 1000. Cipher, EMHAT. See Form 9233.	
68-23	FOR TACKING COST MARKS or other tickets upon clothing. Makes tack $\frac{3}{16}$ to $\frac{3}{8}$ inch long, consisting of nine stitches in two sections, including tying stitches.....	200 00
	Speed 1000. Cipher, EMHEV. See Form 9232.	
68-24	FOR TACKING AND ORNAMENTING FINE UNDERWEAR. Makes triangular tack or ornament consisting of forty-two stitches...	200 00
	Speed 1000. Cipher, EMHOX. See Form 9235.	
68-25	FOR STITCHING SELF-SHANK BUTTONS ON SHIRTS, SHIRT WAISTS, ETC. Makes eleven cross and three tying stitches...	200 00
	Speed 1000. Cipher, EMHUZ. See Form 9274. 9244	
68-26	FOR STITCHING SELF-SHANK BUTTONS ON SHIRTS, SHIRT WAISTS, ETC. Makes eighteen cross and three tying stitches. Differs from No. 68-25 in the number of stitches.....	200 00
	Speed 1000. Cipher, EMJAV.	
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 $1\frac{1}{4}$ to $3\frac{1}{2}$ inches to regulate the distance between the snap fasteners.....	\$ 200 00
	Speed, 1000. Cipher, EMJEW.	
	Formerly 68 S. V. 27 Machine.	

MACHINES OF CLASS 69

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



MACHINE NO. 69-5

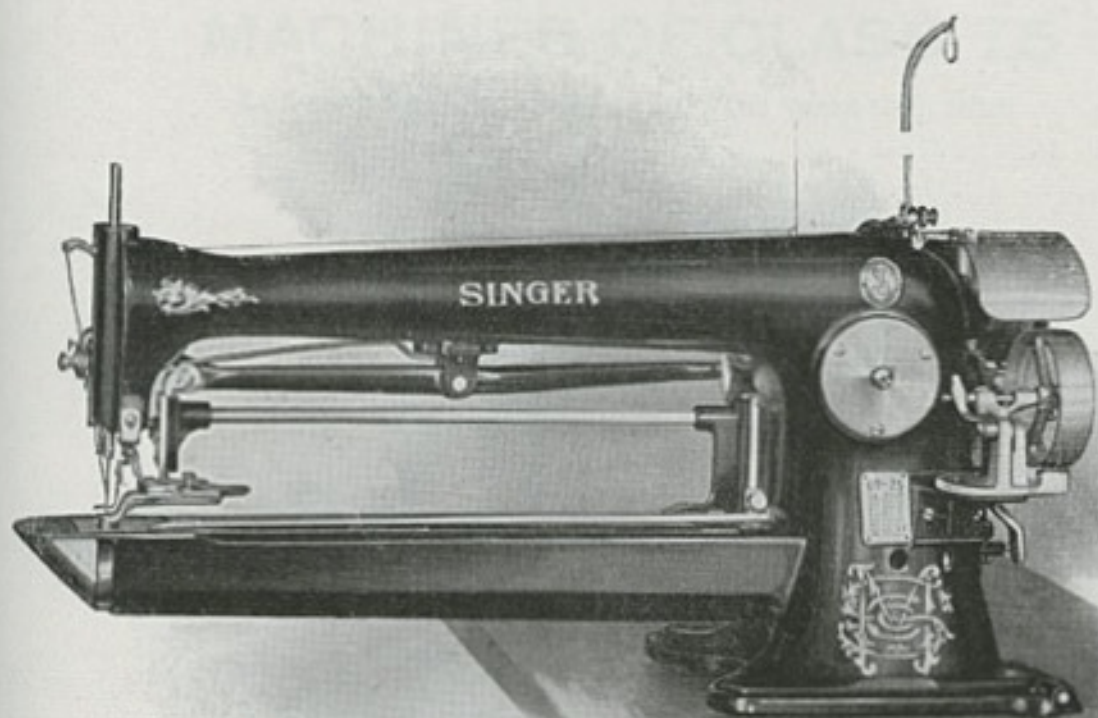
The machines of Class 69 are for the same general work as those of Class 68 (flat bed), but are largely used for work which cannot be conveniently handled upon a flat bed machine. (See description machines of Class 68). The machine makes the required number of stitches, including fastening stitches, and cuts off both threads close to the under side of the work. Speed 1000 stitches per minute.

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 crossed and three tying stitches.	\$200 00
	Speed 1000. Cipher, EMLEZ. See Form 9237.	
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 crossed and three tying stitches	200 00
	Speed 1000. Cipher, EMLOB. See Form 9237.	
69-7	FOR SHOE TACKING. Makes two stay, nine long, seven cross and three tying stitches.	200 00
	Speed 1000. Cipher, EMLUC.	

MACHINES OF CLASS 69

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 Speed 1000. Cipher, EMLYD. See Form 9236.	\$200 00
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 Speed 1000. Cipher, EMMAZ. See Form 9238.	200 00
69-10	Differs from No. 69-9 only in having the clamp fitted for closing the end of the buttonhole together before barring Speed 1000. Cipher, EMMIB.	200 00
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 Speed 1000. Cipher, EMMOC.	200 00
69-12	FOR SHOE TACKING. Makes tack up to $\frac{3}{8}$ inch long, two stay, nine long and seven cross stitches Speed 1000. Cipher, EMMUD. See Form 9239.	200 00
69-13	FOR TACKING ORNAMENTS TO SHOES. Makes eleven cross and three tying stitches Speed 1000. Cipher, EMNEB	200 00
69-14	FOR TACKING BLUCHER SHOES. Makes tack $\frac{7}{32}$ to $\frac{7}{16}$ inch long, consisting of eighteen staying stitches in two parallel lines, and three tying stitches Speed 1000. Cipher, EMNIC. See Form 9240.	200 00
69-15	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 Speed 1000. Cipher, EMNOD. See Form 9241.	200 00
69-16	FOR TACKING MEN'S AND BOYS' BLUCHER SHOES. Makes tack $\frac{7}{32}$ to $\frac{7}{16}$ inch, consisting of eighteen stitches in two parallel lines and three tying stitches, has long beak shuttle, otherwise same as No. 69-14 Speed 1000. Cipher, EMPAC.	200 00

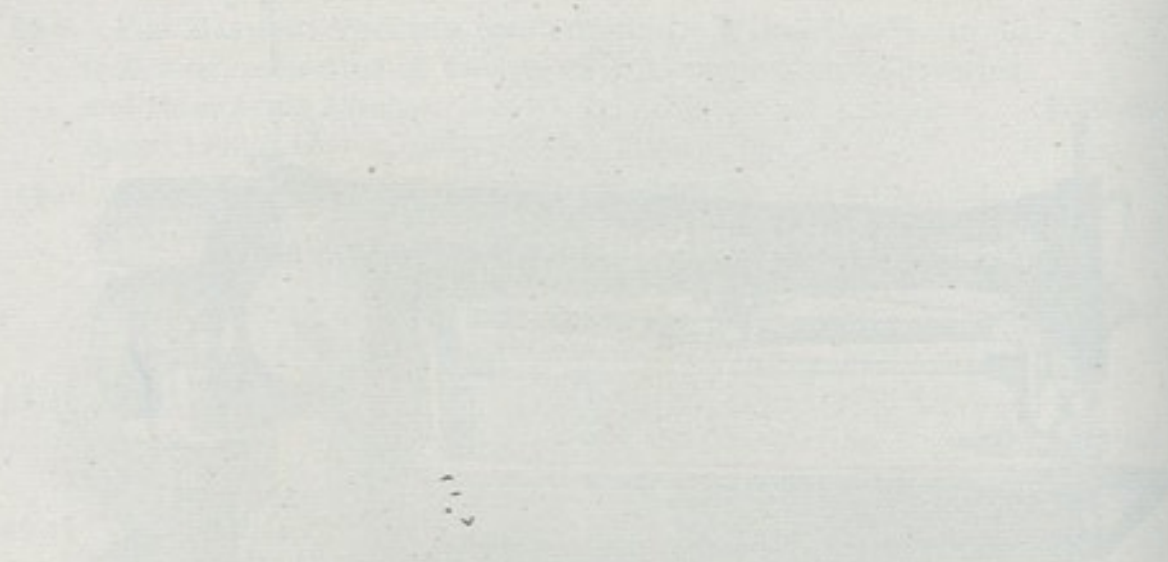
MACHINES OF CLASS 69



MACHINE No. 69-25

NO.	DESCRIPTION	PRICE
69-25	FOR SEWING TWO HOLE AND BAR BUTTONS ON SHIRTS AFTER THEY ARE LAUNDERED. Central bobbin. Makes eleven cross and three tying stitches. Clear working space from needle to base of arm 17 inches..... Speed 1000. Cipher, EMLIA. See Form 9242.	\$250 00

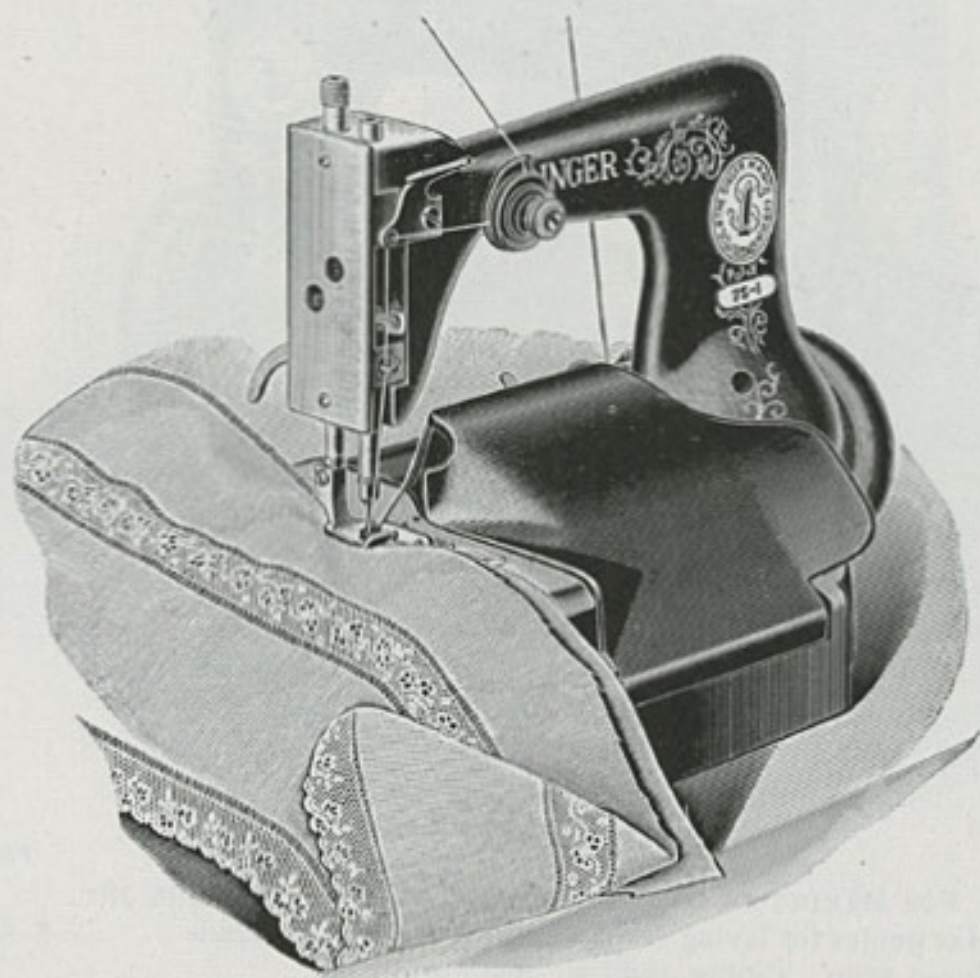
MACHINES 2521-2530



PRICE	DESCRIPTION	NO.
25.00	For driving two 1000 and 1500 ft. pumps	2521
25.00	For driving two 1000 and 1500 ft. pumps	2522
25.00	For driving two 1000 and 1500 ft. pumps	2523
25.00	For driving two 1000 and 1500 ft. pumps	2524
25.00	For driving two 1000 and 1500 ft. pumps	2525
25.00	For driving two 1000 and 1500 ft. pumps	2526
25.00	For driving two 1000 and 1500 ft. pumps	2527
25.00	For driving two 1000 and 1500 ft. pumps	2528
25.00	For driving two 1000 and 1500 ft. pumps	2529
25.00	For driving two 1000 and 1500 ft. pumps	2530

MACHINES OF CLASS 75

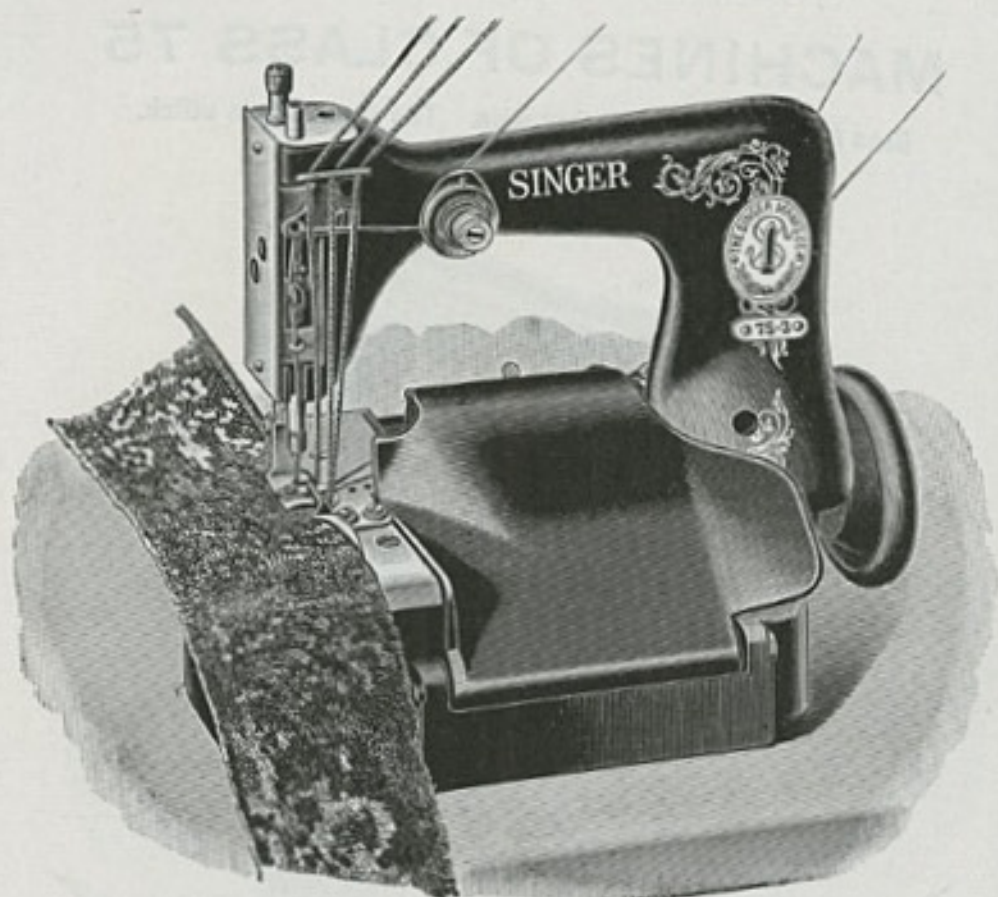
Base 8½ inches long, 7 inches wide. Two thread chain stitch.



MACHINE NO. 75-1

NO.	DESCRIPTION	PRICE
75-1	FOR OVEREDGING; also for uniting the edges of fabrics by over-edge stitches, inserting, etc..... Speed 3000. Cipher, ENCOS. See Form 9068.	\$ 80 00

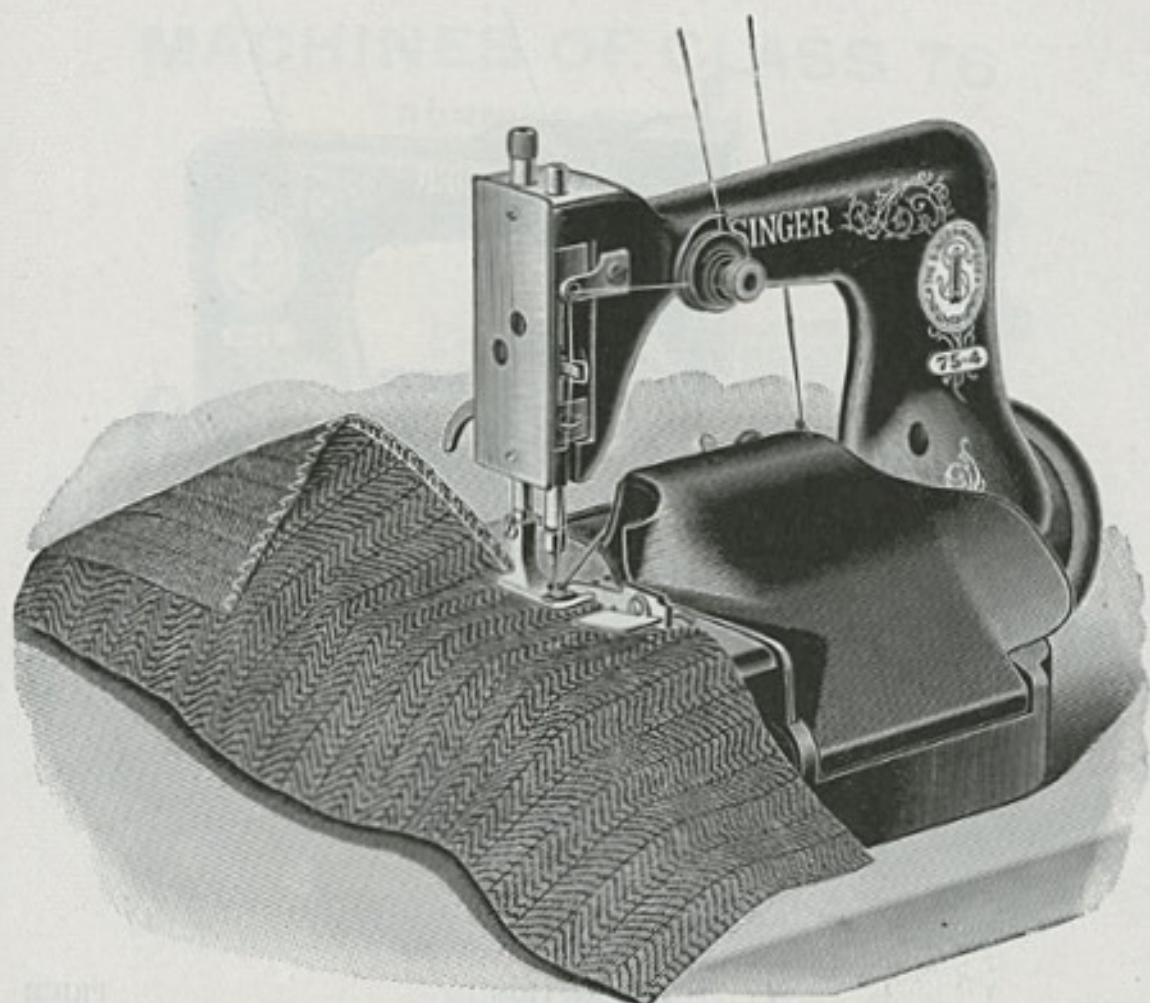
MACHINES OF CLASS 75



MACHINE NO. 75-3

NO.	DESCRIPTION	PRICE
75-3	FOR MAKING AN OVEREDGE FINISH ON CARPETS, RUGS, ETC. Has guides for laying cords under the covering threads..... Speed 3000. Cipher, EN CUT. See Form 9068.	\$ 80 00

MACHINES OF CLASS 75

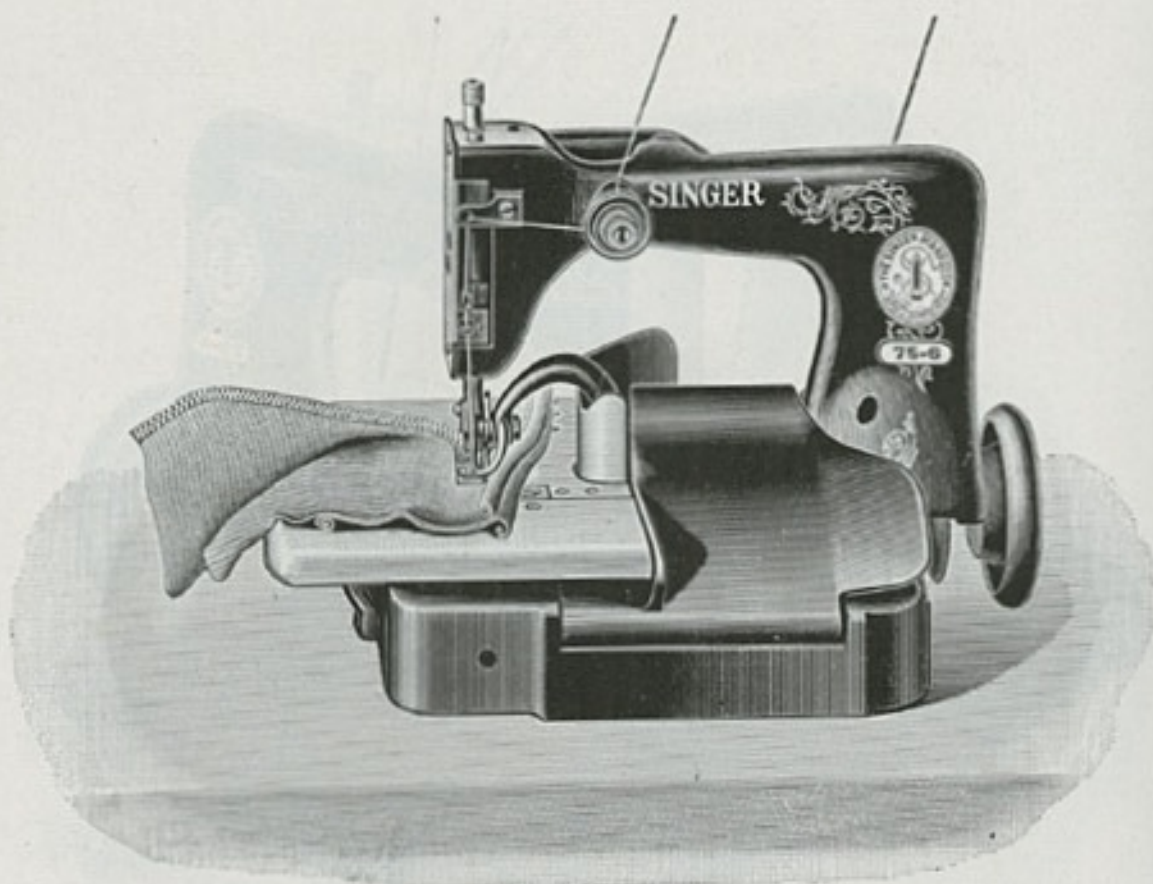


MACHINE NO. 75-4

NO.	DESCRIPTION	PRICE
75-4	FOR SERGING PANTS AND OTHER CUT EDGES OF CLOTH. Has guide, adjustable for different thicknesses. Foot lifter.....	\$ 80 00
	Speed 3000. Cipher, ENDAP.	
75-5	FOR FLANNELS AND LIGHT FABRICS. Trims and overedges fabrics and at the same time lays one or more cords under the overedge stitches.....	100 00
	Speed 3000. Cipher, ENDER. See Form 9068.	

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. Must be ordered separately on Form 430.

MACHINES OF CLASS 75

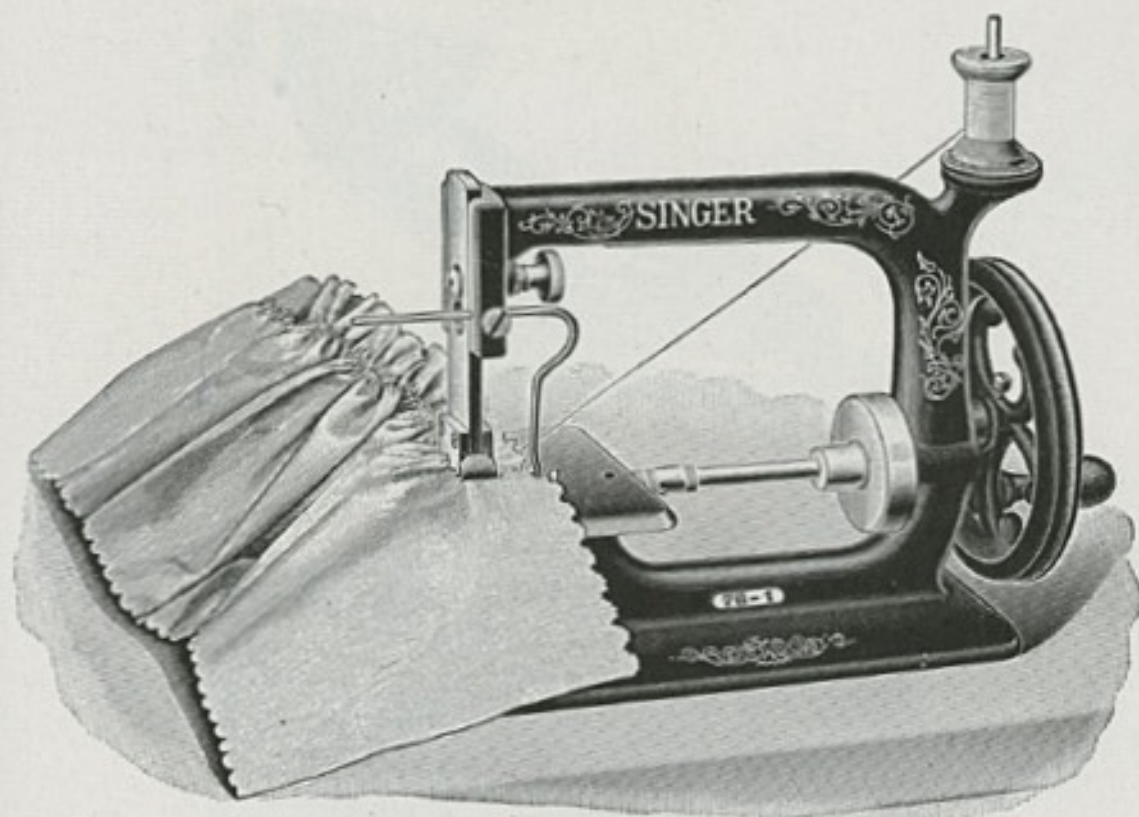


MACHINE NO. 75-6

NO.	DESCRIPTION	PRICE
75-6	FOR TRIMMING AND OVEREDGING FABRICS. Has special feeding device for knit goods..... Speed 3000. Cipher, ENDIS.	\$100 00
75-7	FOR TRIMMING AND BLIND STITCH HEMMING KNIT UNDERWEAR, HOSIERY, ETC..... Speed 3000. Cipher, ENDOT. See Form 9068.	110 00

MACHINES OF CLASS 76

RUNNING STITCH



MACHINE No. 76-1

NO.	DESCRIPTION	PRICE
76-1	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..... Cipher, ENFIT. See Form 9069.	\$15 00

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, $\frac{5}{32}$ inch gauge.

FOURTH. With fine feed rolls Nos. 39033, 39037 and 39039, for light weight fabrics, two needles, $\frac{5}{32}$ 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 TO

RUNNING AT 1000

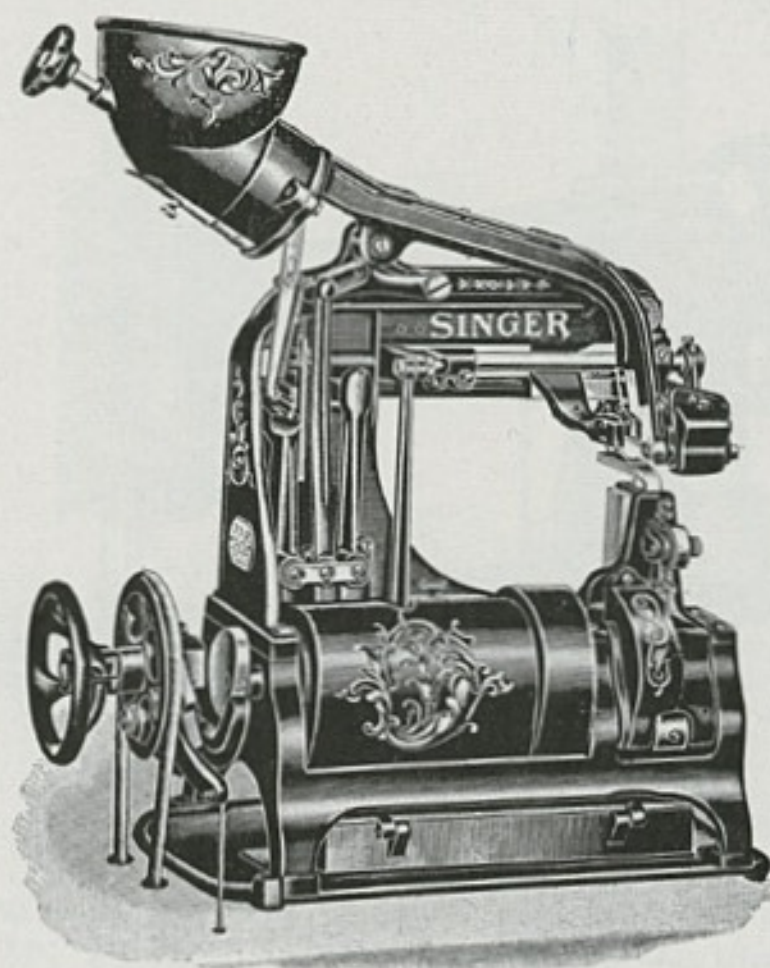


Machine No. 1000

The machine is a vertical pump or engine, designed for use in the field. It consists of a main body, a cylinder, and a piston. The cylinder is connected to a horizontal arm, which is supported by a frame. The piston is connected to the arm by a connecting rod. The machine is designed to be portable and easy to use. It is suitable for use in a variety of environments, including wet and dry. The machine is capable of operating at a speed of 1000 revolutions per minute. It is a simple and reliable machine, and is well-suited for use in the field.

MACHINES OF CLASS 77

For sewing on shoe buttons. Automatic stop.



MACHINE NO. 77-2

NO.	DESCRIPTION	PRICE
77-2	<p>FOR SHOE BUTTONS. The buttons are delivered from a hopper through a guiding chute to the correct position to be sewed on the shoe; the distance between buttons is automatically spaced</p> <p>Speed 350 Cipher, ENFOV. See Form 9106.</p>	\$250 00

MACHINES OF CLASS 77

The machine for class 77 is a machine for

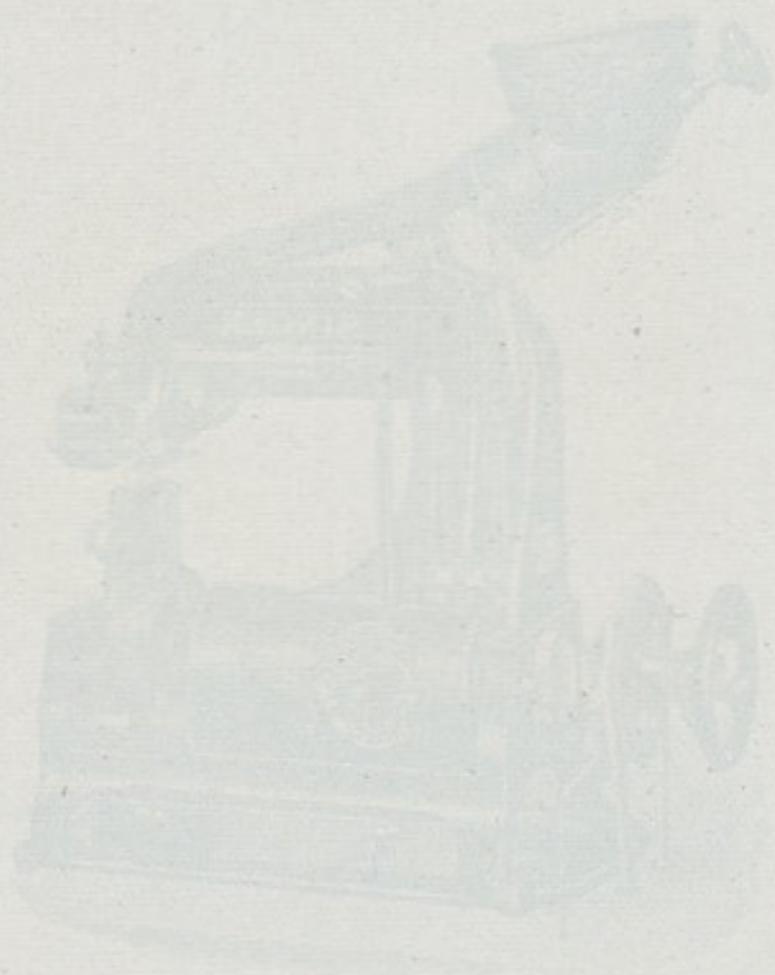


Fig. 1. Machine for class 77.

Fig. 2.

Fig. 3.

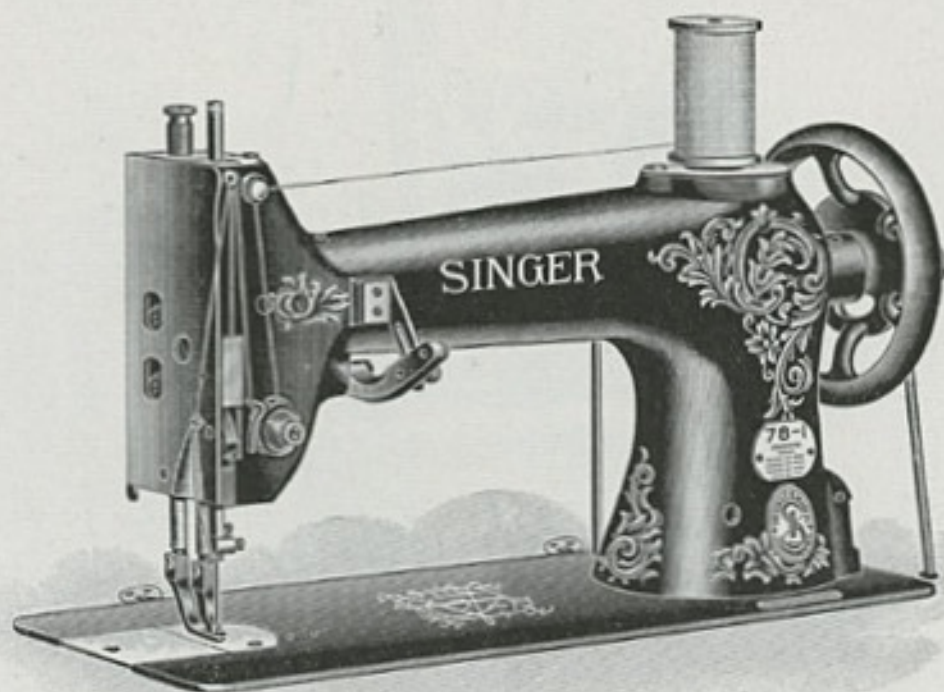
The machine for class 77 is a machine for... The machine for class 77 is a machine for... The machine for class 77 is a machine for...

Fig. 4.

Fig. 5. Machine for class 77.

MACHINES OF CLASS 78

Bed 18¾ inches long; 10½ inches clear space at right of needle. Central bobbin.

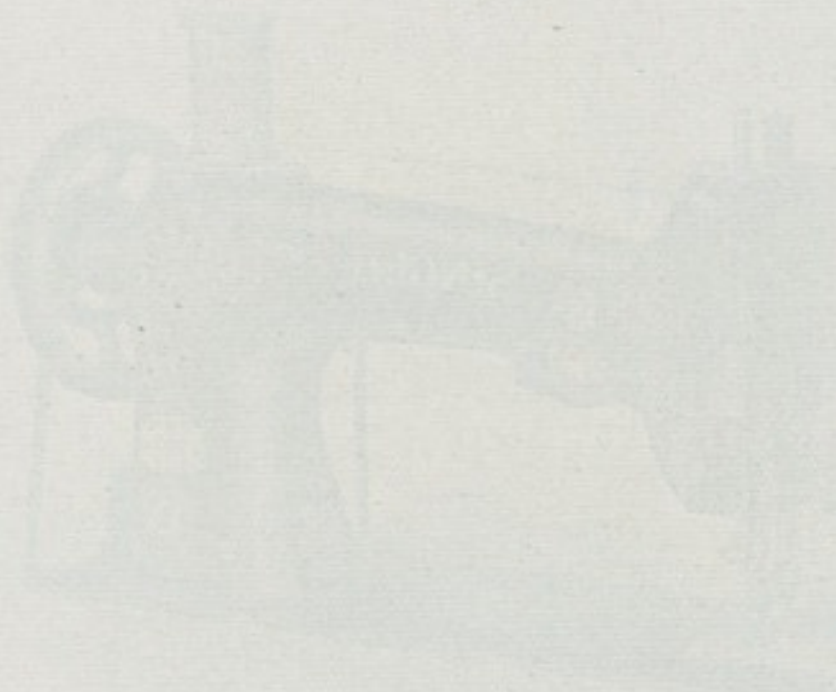


MACHINE NO. 78-1

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. 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. See Machine No. 7-10.</p>	\$ 30 00

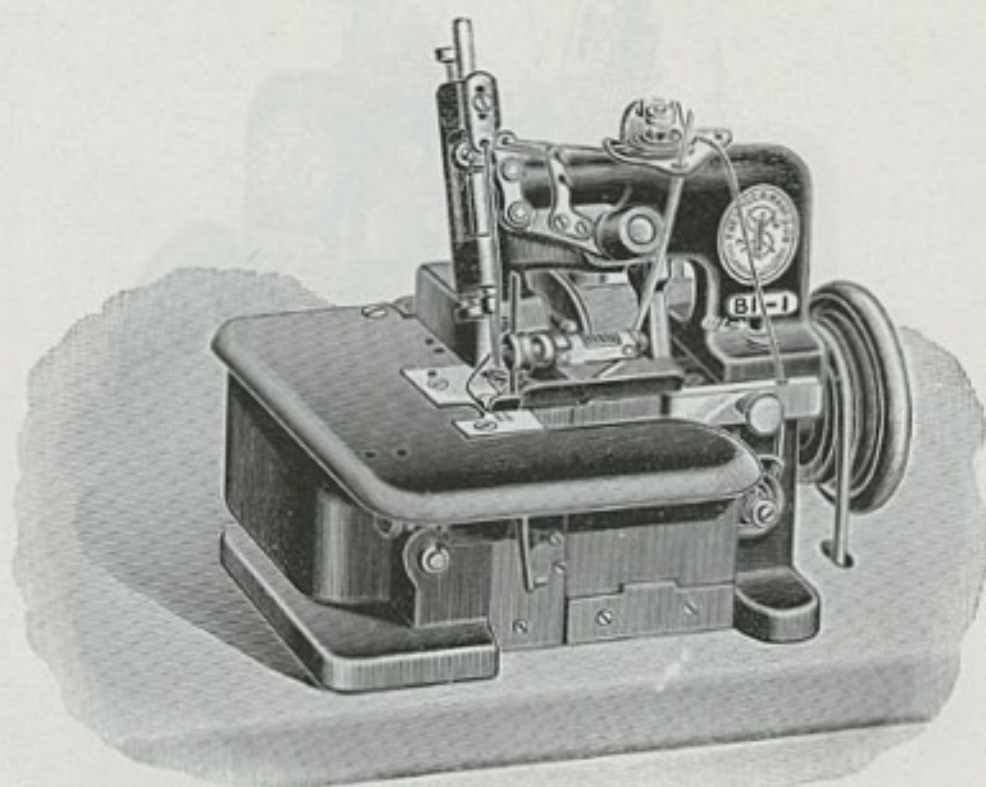
MACHINES OF CLASS 78

THESE MACHINES ARE USED FOR SEWING AND STITCHING



THESE MACHINES ARE USED FOR SEWING AND STITCHING
THEY ARE OF VARIOUS TYPES AND SIZES
AND ARE USED IN THE MANUFACTURE OF
CLOTHING AND OTHER TEXTILE GOODS
THEY ARE ALSO USED IN THE
MANUFACTURE OF BAGS AND
OTHER TEXTILE GOODS
THEY ARE OF VARIOUS TYPES AND SIZES
AND ARE USED IN THE MANUFACTURE OF
CLOTHING AND OTHER TEXTILE GOODS
THEY ARE ALSO USED IN THE
MANUFACTURE OF BAGS AND
OTHER TEXTILE GOODS

MACHINES OF CLASS 81

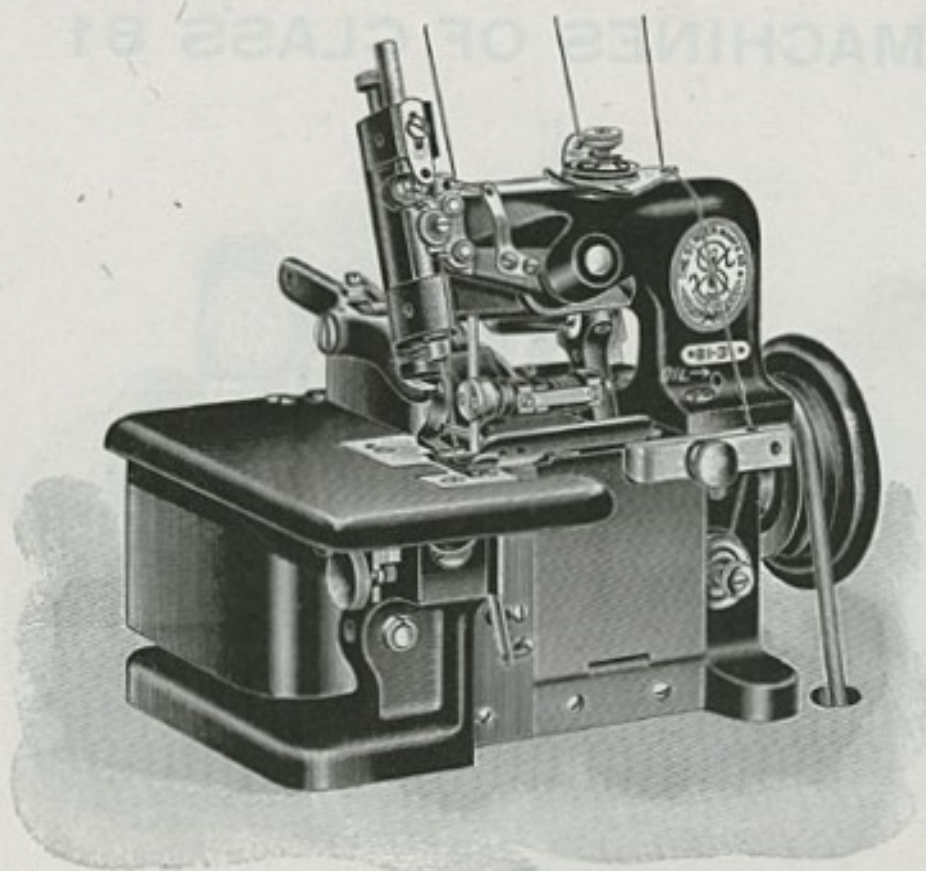


MACHINE NO. 81-1

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 AND OTHER WOVEN FABRICS, ETC., at the same time laying one or more cords under the overedge stitches if desired. Three-thread stitch.....	\$125 00
	Speed 3300. Cipher, ENKEZ. See Form 9125.	
81-2	FOR TRIMMING AND OVEREDGING FLANNELS, MUSLINS, DENIMS AND OTHER FABRICS, inserting sleeves in shirt waists, wrappers, etc.; also stitching pockets into trousers. Three-thread stitch. Foot lifter.....	125 00
	Speed 3300. Cipher, ENKFA. See Form 9126.	

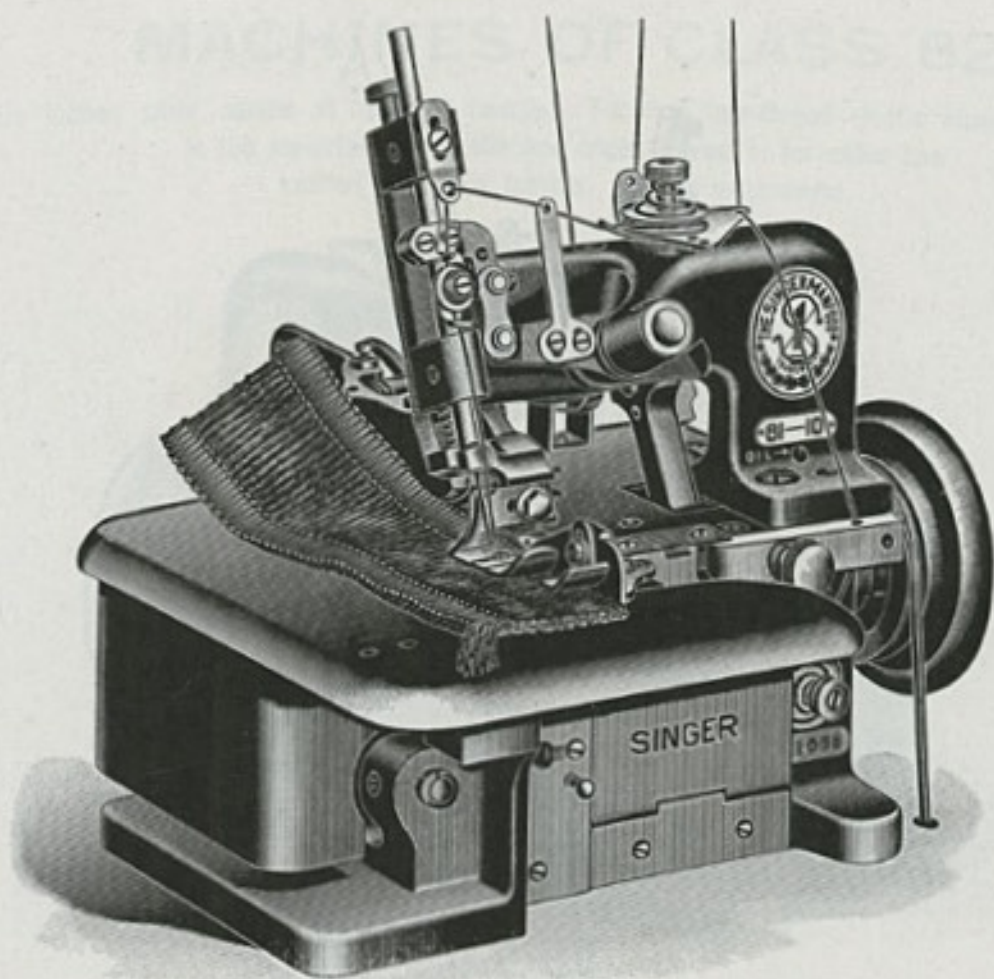
MACHINES OF CLASS 81



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. Two-thread stitch. Foot lifter....	\$125 00
	Speed 3300. Cipher, ENKLE. See Form 9127.	
81-4	Differs from No. 81-3 in having hand lever for quick adjustment of bight.....	125 00
	Cipher, ENKYD.	
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. Three-thread stitch. Foot lifter.....	125 00
	Speed 3300. Cipher, ENLAZ. See Form 9126.	
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.....	125 00
	Speed 3300. Cipher, ENLER. See Form 9217.	130.00
81-7	FOR SEAMING AND INSERTING SLEEVES IN HEAVY SWEATERS. Has guide for trimming and blind stitch hemming the bottom and cuffs, and guide for joining the border to the body of the garment after the edge of the body has been overedged, also for closing selvage edges, has trimmer and auxiliary feed mechanism, high lift, foot lifter.....	\$125.00-
	Speed 3300. Cipher, ENLIA.	130.00
	Formerly 81 S. V. 6.	

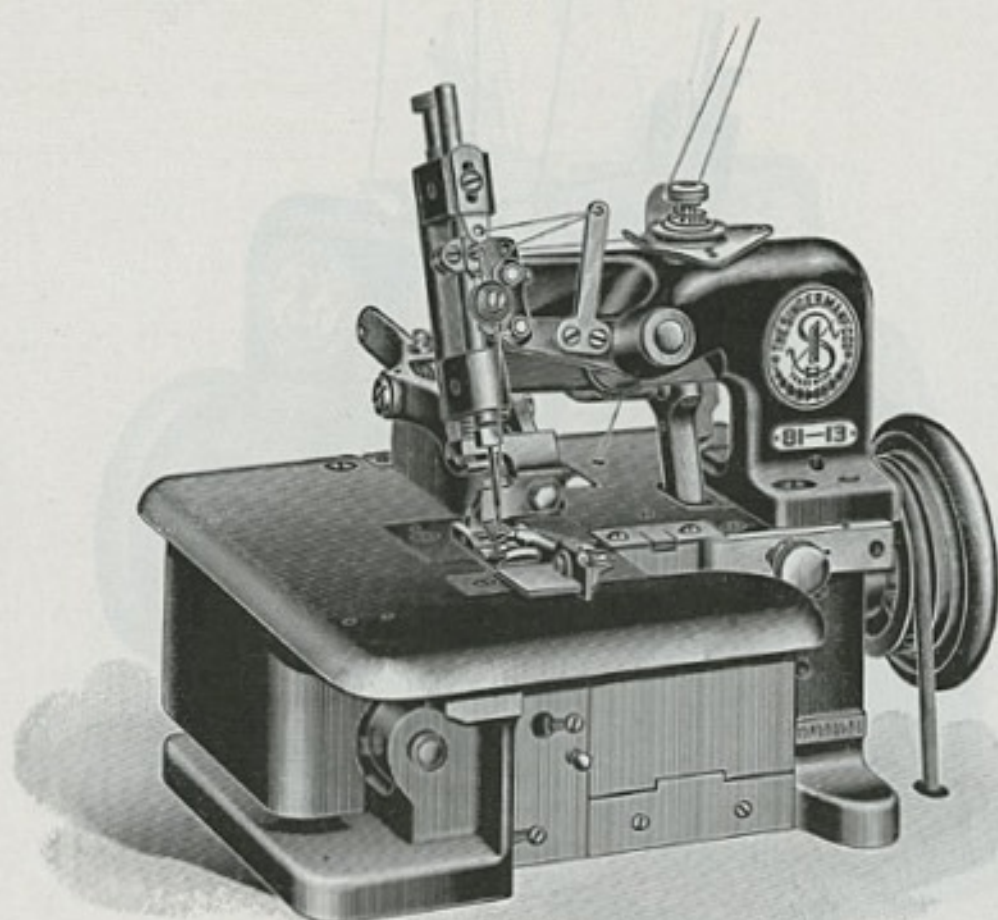
MACHINES OF CLASS 81



MACHINE No. 81-10

NO.	DESCRIPTION	PRICE
81-10	FOR OVEREDGING CARPETS, RUGS, BLANKETS, ETC. No trimmer, bight adjustable from $\frac{1}{4}$ to $\frac{1}{2}$ inch; greatest length of stitch $\frac{1}{4}$ inch. Three-thread stitch. Foot lifter Speed 3000. Cipher, ENNIL. See Form 9215.	\$125 00
81-11	FOR CLOSING SELVAGE EDGES OF KNIT FABRICS, producing a flat seam. No trimmer. Two-thread stitch. Foot lifter... Speed 3300. Cipher, ENNKO. See Form 9129.	125 00
81-12	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 $\frac{1}{16}$ to $\frac{1}{2}$ inch. Three-thread stitch. Foot lifter..... Speed 3000. Cipher, ENNLY. See Form 9128.	125 00

MACHINES OF CLASS 81



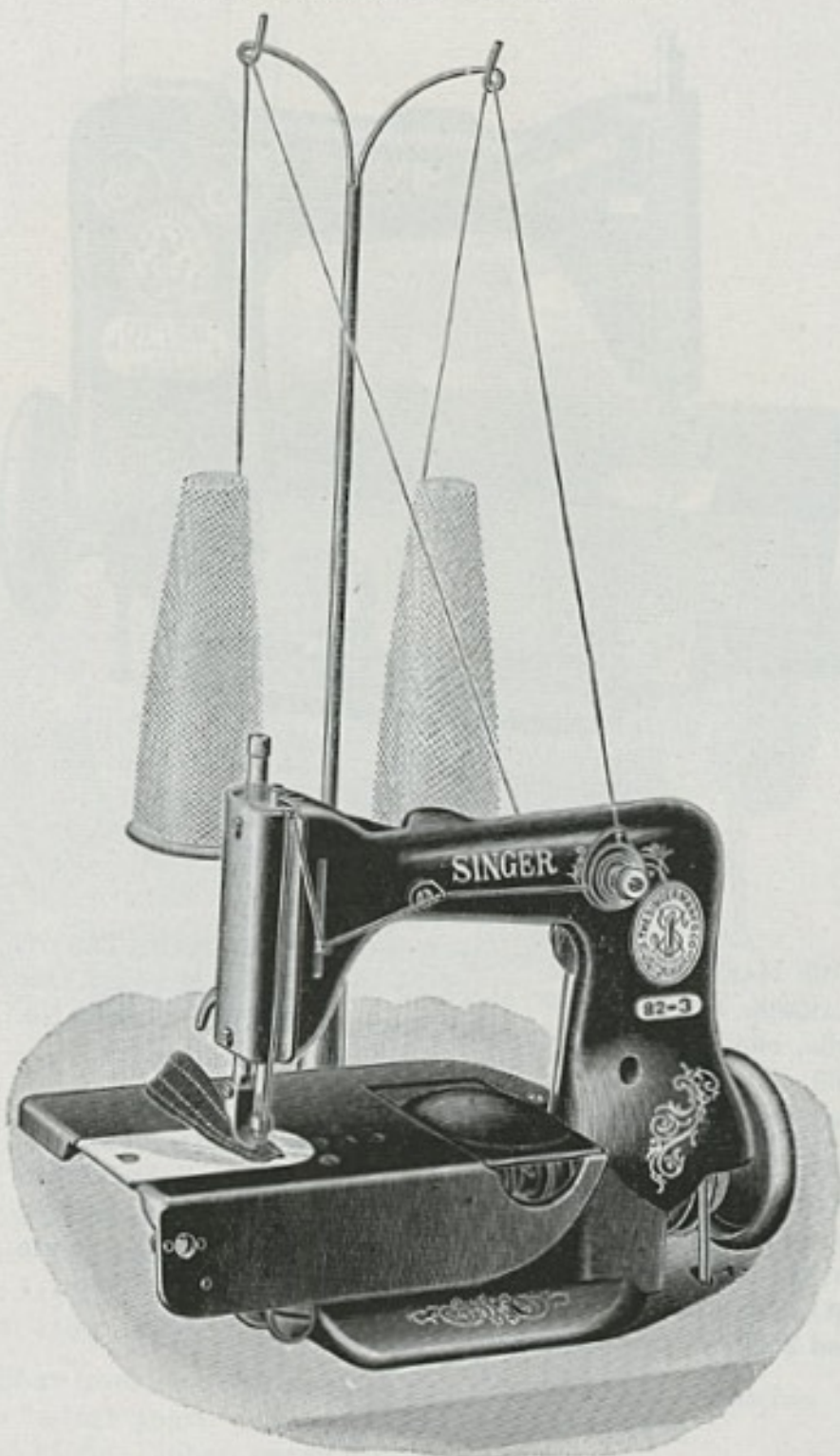
MACHINE NO. 81-13

NO.	DESCRIPTION	PRICE
81-13	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.....	\$125 00
	Speed 3300. Cipher, ENNOP.	
81-14	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....	125 00
	Speed 3000. Cipher, ENNGE. See Form 9221.	

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

MACHINES OF CLASS 82

5 1/6 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. Looper mechanism.

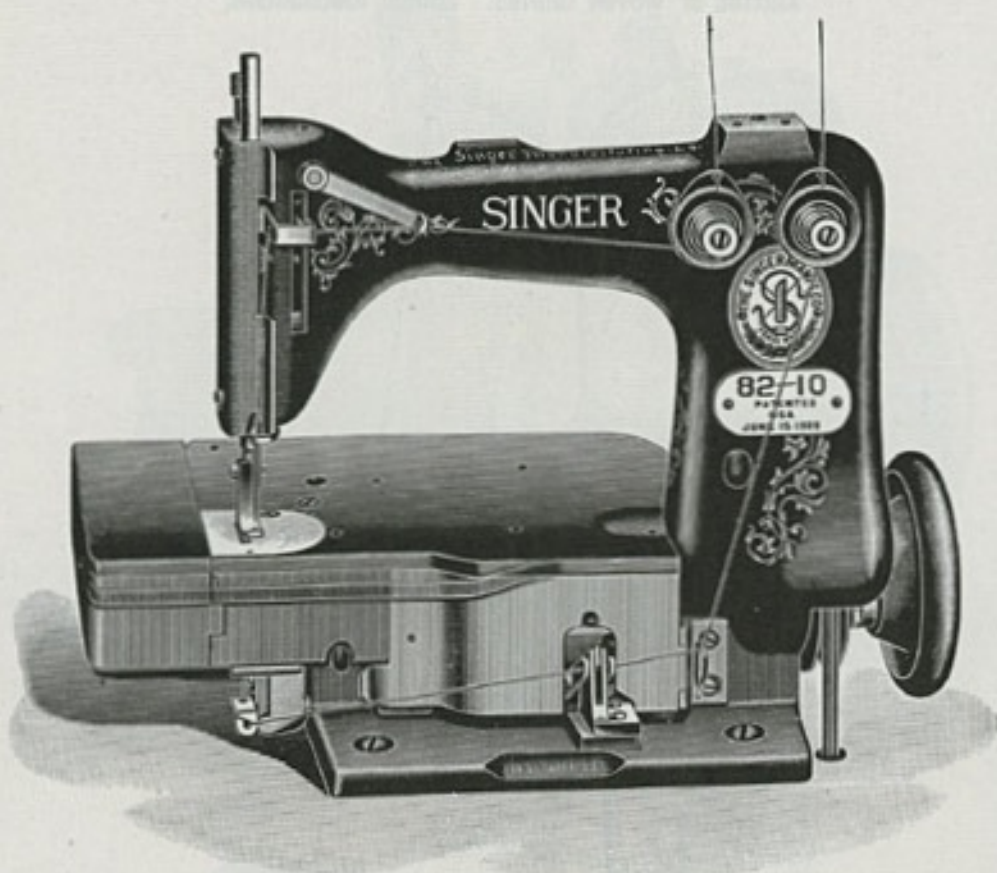


MACHINE NO. 82-3

NO.	DESCRIPTION	PRICE
82-3	FOR SILK, LISLE THREAD OR TRICOT GLOVES and other light fabrics; one needle, one looper.	\$ 35 00
	Speed 2500. Cipher, ENOSO.	

MACHINES OF CLASS 82

NO.	DESCRIPTION	PRICE
82-4	Differs from No. 82-3 only in having the work plate extended toward the operator. Speed 2500. Cipher, ENOAR.	\$ 35 00

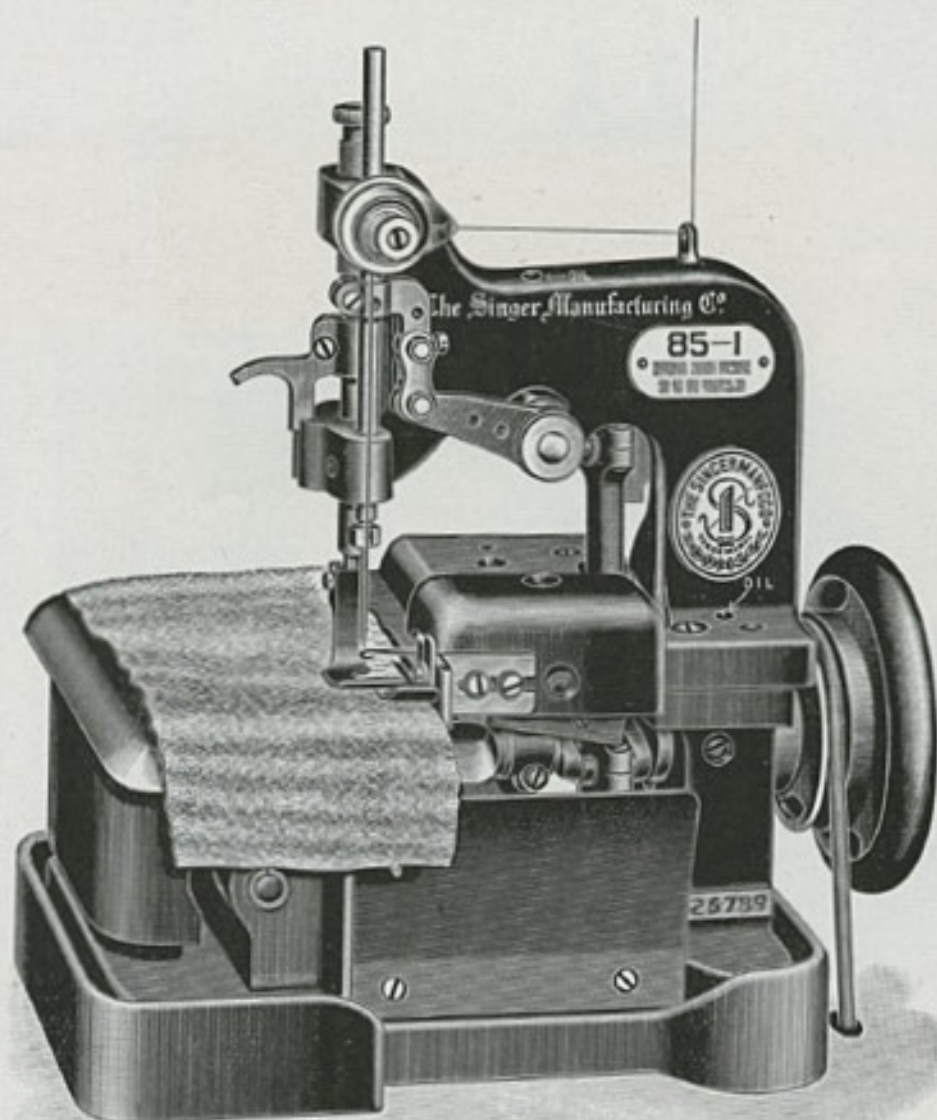


MACHINE NO. 82-10

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. 42668, or wide front cloth plate No. 42665, as ordered. Speed 2500. Cipher, ENSHI.	\$ 35 00
82-11	FOR MAKING GLOVES FROM KID, SILK, LISLE THREAD, TRICOT, MILANESE, ETC., and for fine stitching on light fabrics. One needle, looper and spreader, cloth plate No. 42668 (narrow front). Can be furnished with cloth plate No. 42665 (wide front) if so ordered. Has self-setting needle. Speed 2500. Cipher, ENSKO.	35 00

MACHINES OF CLASS 85

For overedging thick fabrics which require a 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 Speed 1500. Cipher, EPFAS. See Form 9207.	\$125 00
85-2	Differs from No. 85-1 only in being fitted to make stitches $\frac{1}{4}$ to $\frac{1}{2}$ inch apart. Greatest width of bight $\frac{1}{2}$ inch..... Speed 1500. Cipher, EPFET. See Form 9207.	125 00

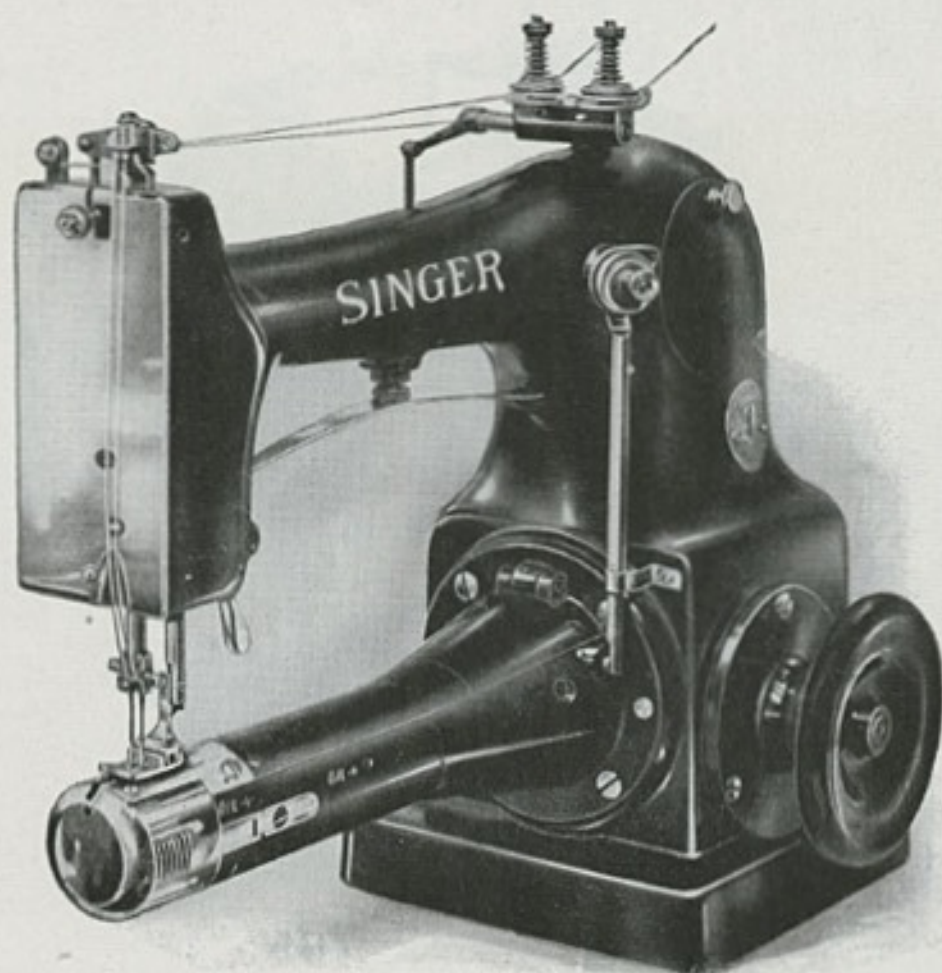
NOTE. Presser foot No. 37540 for Machine No. 85-1 or No. 37558 for No. 85-2 and hemmer No. 36109 for both machines can be furnished if ordered.

MACHINES OF CLASS 85

85-10 FOR MAKING SHELL STITCH ON KNIT UNDERWEAR, CHILDREN'S FLAN-
NELETTE COATS, ETC. Six stitches to each shell. Supplementary
thread mechanism, one needle, one latch hook, crochet stitch.....200.00
Speed 1600. Cipher, ERGYB. See Form 9301.
Formerly 85 S. V. 2 Machine.

MACHINES OF CLASS 86

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



MACHINE NO. 86-1

NO.	DESCRIPTION	PRICE
86-1	FOR SEAM COVERING ON KNIT GOODS, UNDERWEAR, ETC. Two needles, one looper, mechanism entirely enclosed. Gauges $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$ inch, drop feed, foot lifter.....	\$125 00
	Speed 3200. Cipher, EPHYC. See Form 9265.	

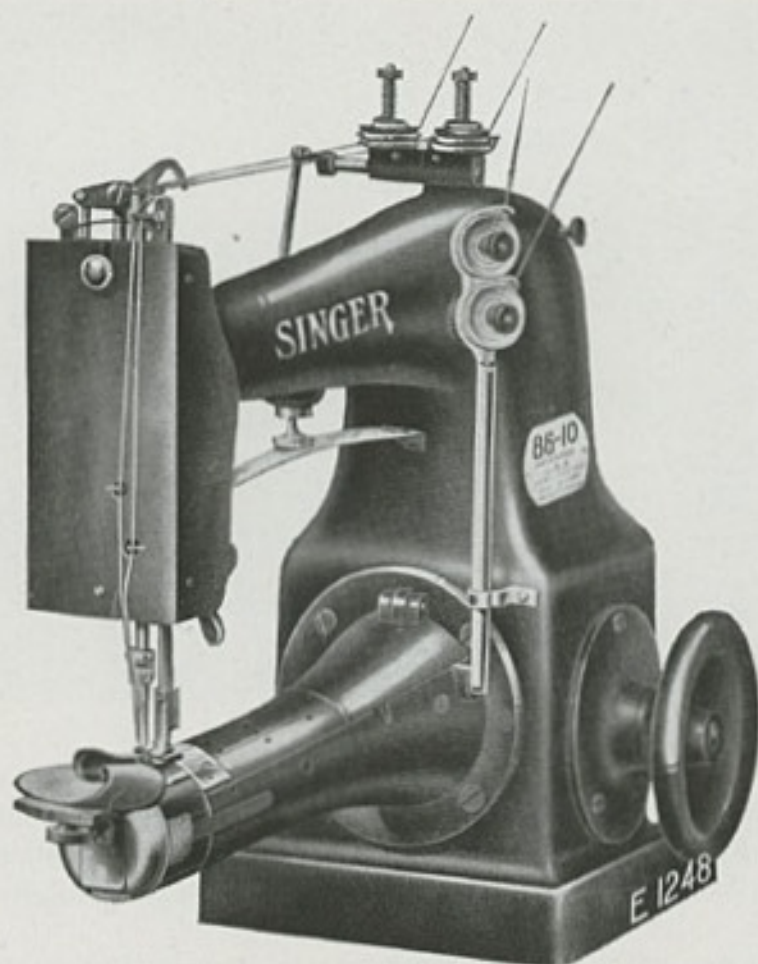
MACHINES OF CLASS 88

FIG. 1. A perspective view of the machine, showing the hopper, the feed, the rollers, and the delivery.



FIG. 2. A perspective view of the machine, showing the hopper, the feed, the rollers, and the delivery.

MACHINES OF CLASS 86



MACHINE NO. 86-10

NO.	DESCRIPTION	PRICE
86-10	FOR TWO-LINE STITCHING ON SHIRTS, PAJAMAS, MEDIUM AND LIGHT WEIGHT MATERIAL. Two needles, two loopers, double chain stitch, gauges $\frac{1}{8}$, $\frac{3}{32}$, $\frac{3}{16}$, $\frac{7}{32}$ and $\frac{1}{4}$ inch, outside stitch regulating device, drop feed, foot lifter.	\$127 50
	Speed 3200. Cipher, EPLIC. See Form 9266.	

NOTE. This machine will be furnished with Cloth Plate No. 54891 when so ordered at an additional price of \$3.00 Net.

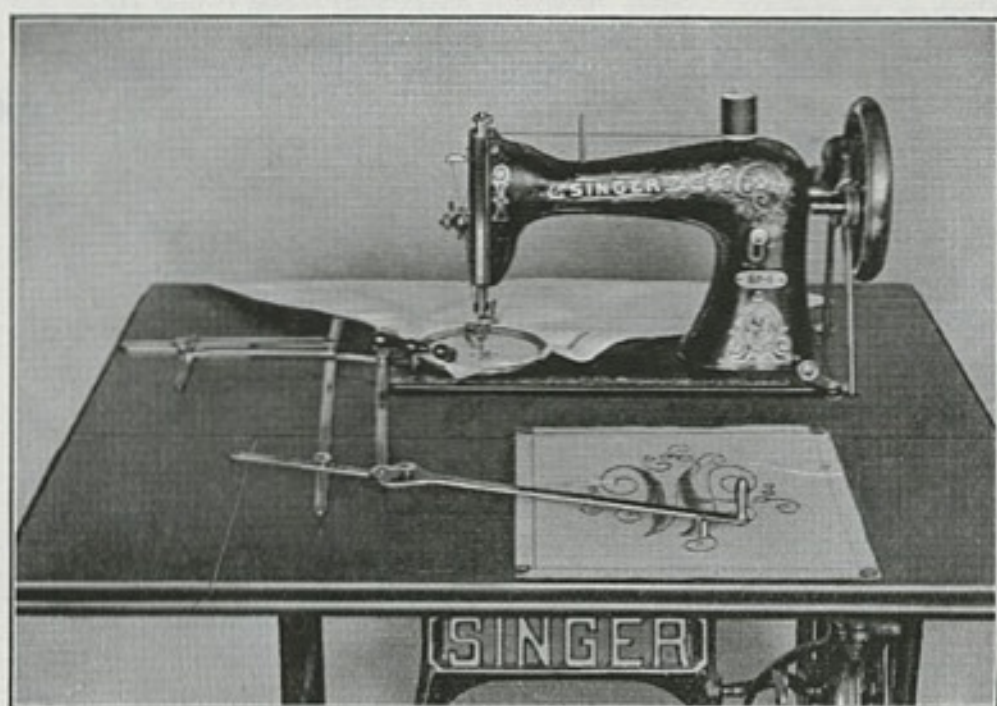
The Lap Seam Feller No. 36597 is furnished with this machine only when so ordered and at an additional price of \$2.63 net.

MACHINES OF CLASS 88



FIG. 10. — A vertical section of a machine, showing the internal parts, including the cylinder, piston, and connecting rod. The machine is shown in a side view, with the cylinder at the top and the piston at the bottom. The connecting rod is shown in the middle, connecting the piston to the crankshaft. The machine is labeled with various parts, including the cylinder, piston, connecting rod, and crankshaft. The machine is shown in a side view, with the cylinder at the top and the piston at the bottom. The connecting rod is shown in the middle, connecting the piston to the crankshaft. The machine is labeled with various parts, including the cylinder, piston, connecting rod, and crankshaft.

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.

Prices include complete machines as described, including tables and iron work ready for power.

NO.	DESCRIPTION	PRICE
87-1	FOR MAKING ONE EMBROIDERED DESIGN at each operation. Has special table and foot power stand, and parts and attachments to change for plain sewing..... Cipher, EPNE. See Form 9213.	\$ 48 00
87-6	FOR MAKING SIX EMBROIDERED DESIGNS at each operation. Has six stitching machines connected by the driving mechanism to operate in unison, also wood table and iron work for power Speed 200. Cipher, EPPIG. See Form 9213.	425 00
87-6	WITH DIEHL ELECTRIC MOTOR No. 219 for direct current.... Cipher, EPPAN.	450 00
NOTE. In ordering give voltage in addition to Catalogue number of motor.		
87-6	WITH DIEHL ELECTRIC MOTOR No. 0219 for alternating current..... Cipher, EPPOH.	460 00
NOTE. In ordering give voltage and number of cycles in addition to Catalogue number of motor.		
87-16	Differs from No. 87-6 only in being provided with mechanism for making Madeira work Speed 200. Cipher, EPPUJ. See Form 9213.	525 00

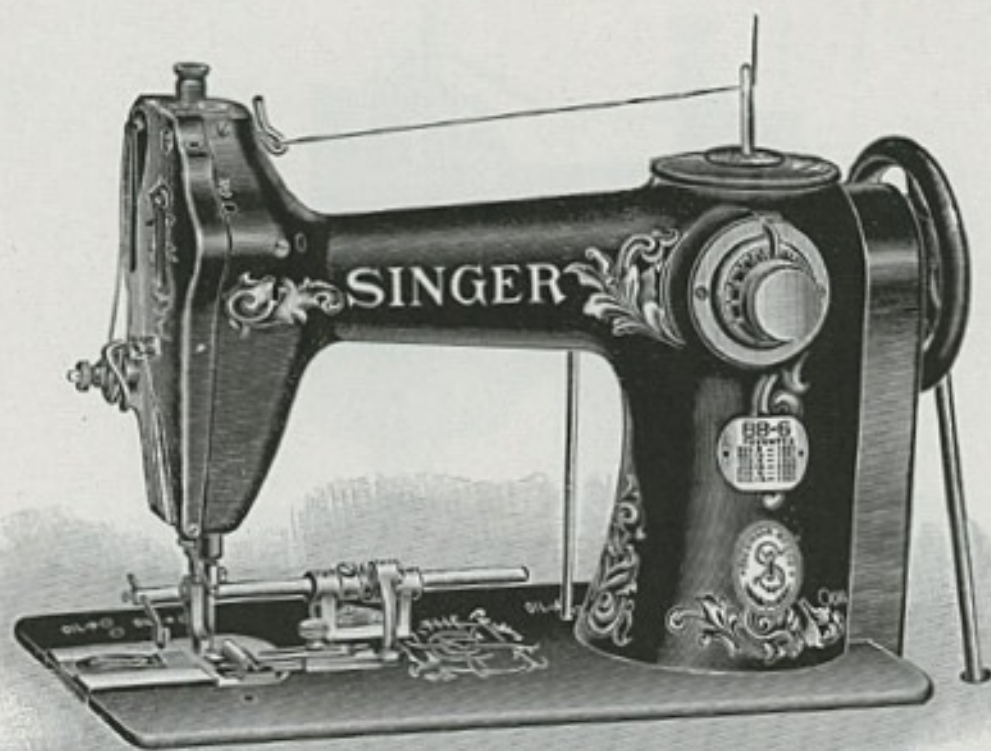
MACHINES OF CLASS 87

NO.	DESCRIPTION	PRICE
87-16	WITH DIEHL ELECTRIC MOTOR No. 219 for direct current.... Cipher, EPPVU.	\$550 00
87-16	WITH DIEHL ELECTRIC MOTOR No. 0219 for alternating current..... Cipher, EPPWE.	560 00

MACHINES OF CLASS 88

Bed 14 $\frac{1}{2}$ inches long, 7 inches clear space at right of needle. Rotating hook driven by belt and making two revolutions at each one of the balance wheel. Link take-up.

Stationary bobbin case. Short needle. Knee lifter. Bobbin No. 40264.



MACHINE No. 88-6

NO.	DESCRIPTION	PRICE
88-4	FOR RAPID STITCHING in light and medium weight fabrics. Drop feed. Supersedes No. 88-1 Speed 3500. Cipher, EPRUK.	\$ 35 00
88-5	FOR COLLAR AND CUFF WORK. Drop feed. Supersedes No. 88-2. Cipher, EPRYL. See Form 9094.	35 00
88-6	FOR TUCKING. Has positive motion power tucker receiving motion from the feed lifting rock shaft. Drop feed. Speed 3500. Cipher, EPSAG.	40 00

MACHINES OF CLASS 88

See also Class 87, Sewing Machines, and Class 89, Sewing Machines, for machines of these classes. The machines of Class 88 are distinguished from those of Class 87 by the fact that they are not provided with a foot, and from those of Class 89 by the fact that they are not provided with a needle.

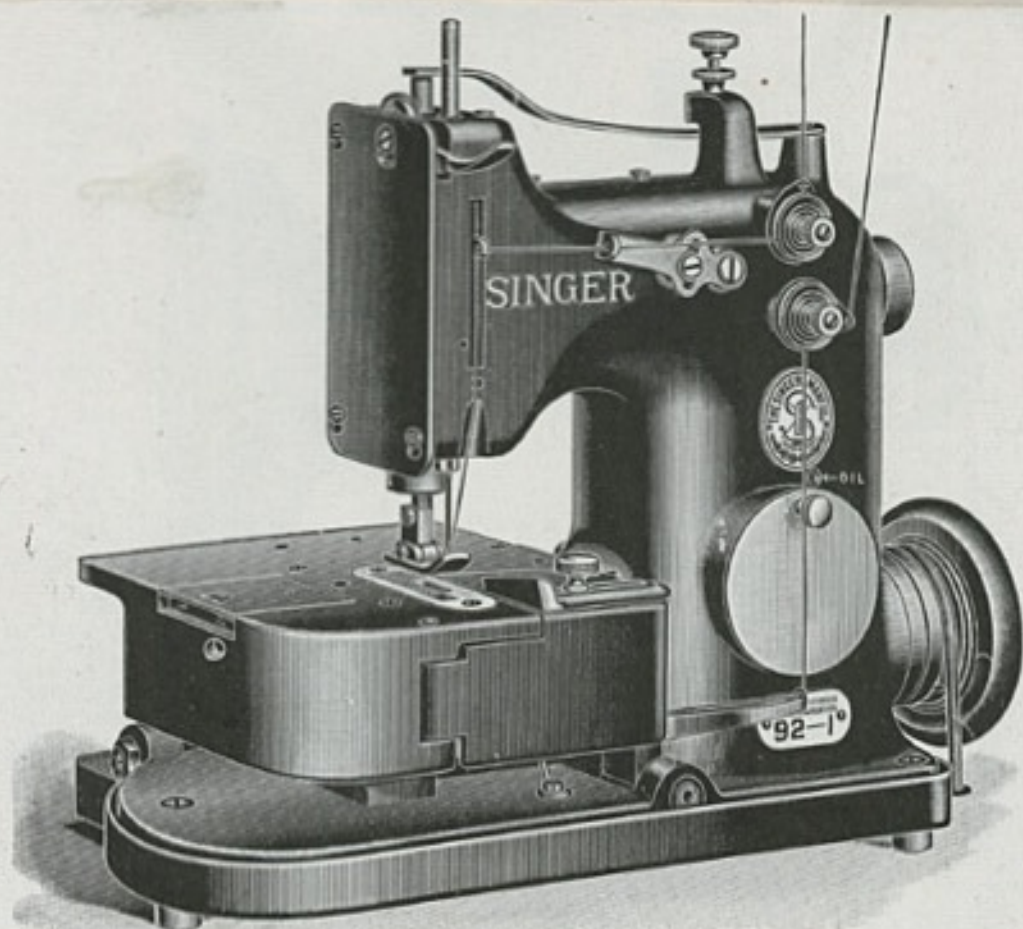


See also Class 87, Sewing Machines, and Class 89, Sewing Machines, for machines of these classes. The machines of Class 88 are distinguished from those of Class 87 by the fact that they are not provided with a foot, and from those of Class 89 by the fact that they are not provided with a needle.

MACHINES OF CLASS 92

For Sewing Bags. Bed 7 inches long, $3\frac{1}{2}$ 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 $\frac{1}{8}$ to $\frac{1}{3}$ inch long, has one needle, one looper and throat plate for single thread; also looper and throat plate for two thread chain stitch.....	\$ 65 00
	Speed 3000. Cipher, EPTIK.	
92-2	FOR BAG WORK. Stitch from $\frac{1}{4}$ to $\frac{1}{2}$ inch long, has one needle, one looper and throat plate for single thread; also looper and throat plate for two thread chain stitch.....	65 00
	Speed 2500. Cipher, EPTOL.	

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 95

Bed $15\frac{11}{16}$ 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 40264

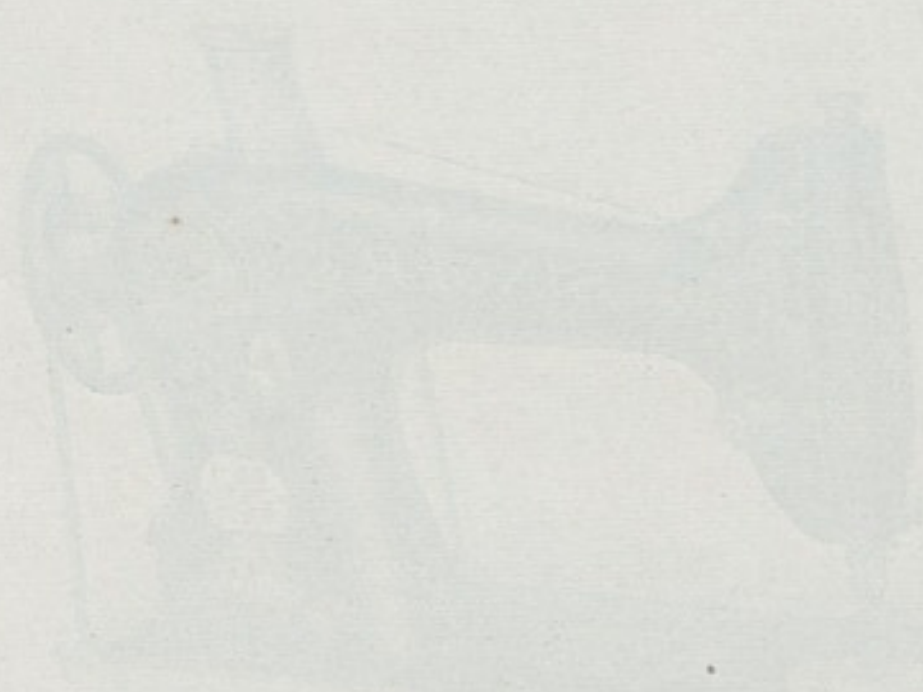


MACHINE No. 95-1

NO.	DESCRIPTION	PRICE
95-1	FOR LIGHT AND MEDIUM WEIGHT FABRICS. Maximum stitch seven to the inch; drop feed Speed 3500. Cipher, ERFOX. See Form 9218.	\$ 25 00
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.		
95-2	FOR COLLAR AND CUFF WORK. Drop feed Speed 3500. Cipher, ERFUZ.	25 00

MACHINES OF CLASS 85

The following is a list of the machines of Class 85, which are the most common and useful of the class. They are all of the same general type, and are all of the same general construction. They are all of the same general type, and are all of the same general construction.



The following is a list of the machines of Class 85, which are the most common and useful of the class. They are all of the same general type, and are all of the same general construction. They are all of the same general type, and are all of the same general construction.

MACHINES OF CLASS 96

Bed 18 $\frac{3}{4}$ 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.



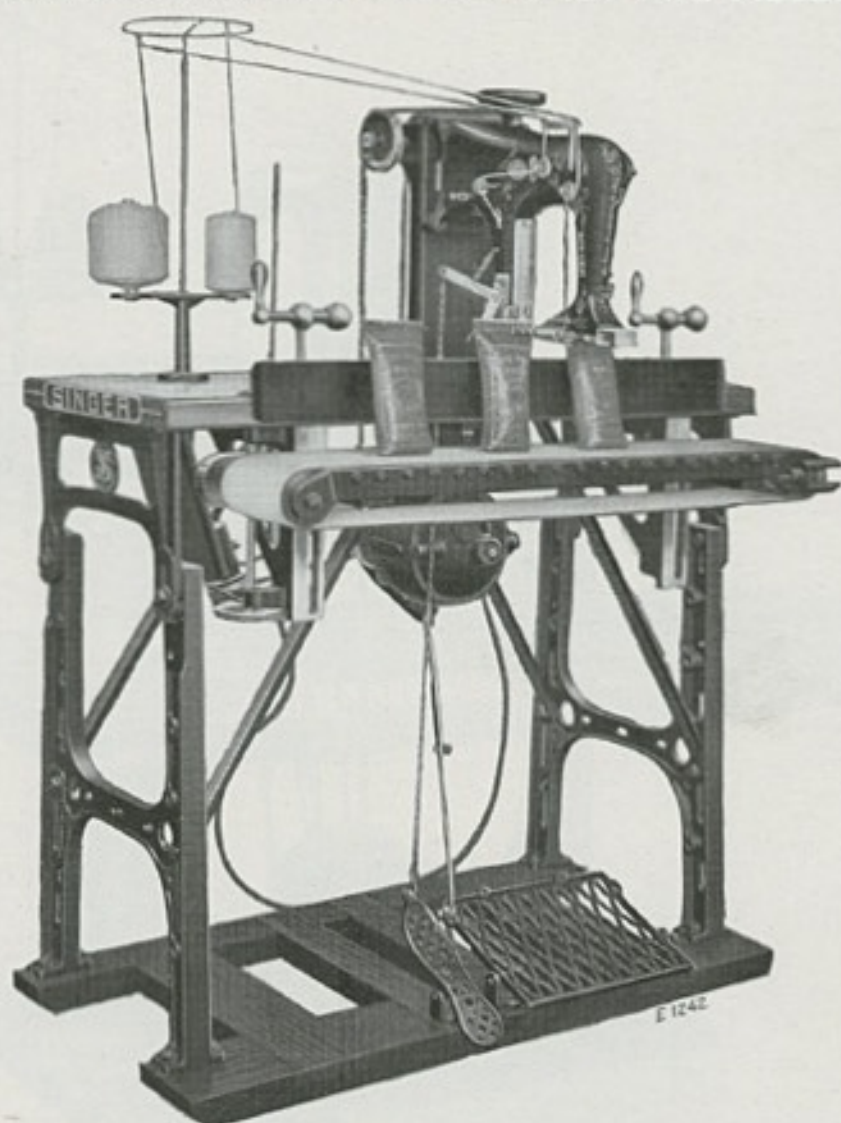
MACHINE No. 96-2

NO.	DESCRIPTION	PRICE
96-2	FOR CLOAKS, CLOTHING, AND OTHER WORK IN CLOTH; drop feed	
	Speed 3000. Cipher, ERJIB.	\$ 30 00

NOTE. This machine will be regularly fitted with feed dog No. 52349, throat plate No. 52323 and presser foot No. 12143 unless otherwise specified on the order.

MACHINES OF CLASS 104

FOR CLOSING BAGS AFTER THEY ARE FILLED



MACHINE NO. 104-1 WITH DIRECT CURRENT MOTOR

NO.	DESCRIPTION	PRICE
104-1	FOR CLOSING BAGS AFTER THEY ARE FILLED. Two-thread chain stitch, equipped with an adjustable conveyor suitable for stitching bags measuring from 7 to 12 inches from the bottom of the bag to the line of stitching and up to 8 inches in thickness. With iron work and wood work complete for mechanical power. Speed 2400. Cipher, ERSGO. See Form 9294.	\$200 00
104-1	WITH IRON WORK, wood work and electric motor for direct current.....	240 00
	Cipher, ERTBE.	
	NOTE. In ordering give voltage required.	
104-1	WITH IRON WORK, wood work and electric motor for alternating current.....	260 00
	Cipher, ERTCH.	
	NOTE. In ordering give voltage and cycles required.	

The electric motor for alternating current regularly furnished with this machine is single phase.

Prices of polyphase motors will be furnished on application.

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MACHINES OF CLASS 104

FOR CLOSING BAGS AFTER THEY ARE FILLED



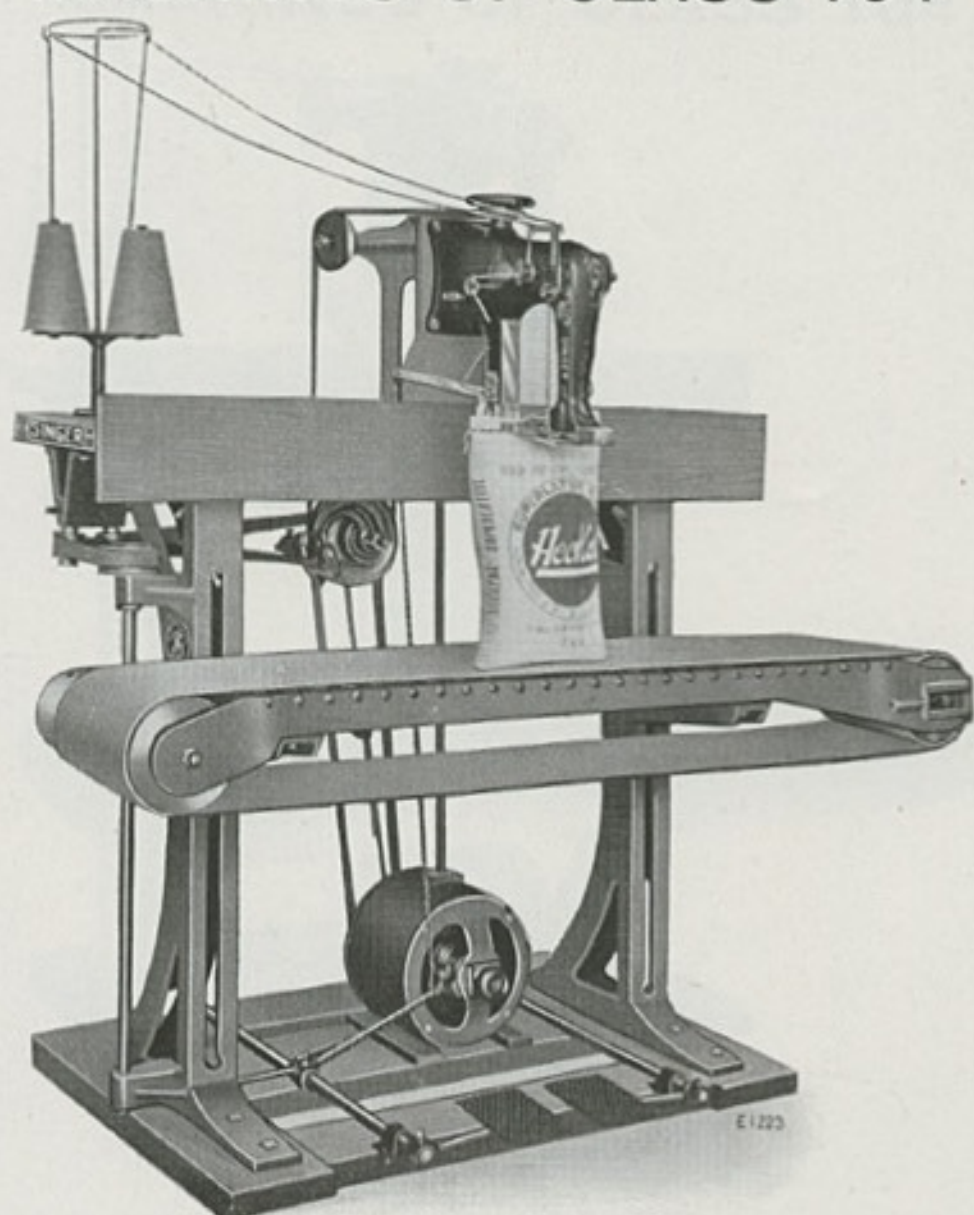
104-1. This machine is used for closing bags after they are filled. It consists of a large horizontal wheel mounted on a vertical frame. The wheel has a series of curved blades or fingers that engage with the top of the bag as it passes under it. The machine is designed to operate automatically, with the bag being fed in from one side and the closed bag coming out on the other. The entire mechanism is supported by a sturdy metal frame with four legs. The machine is typically used in a factory or warehouse setting for the production of bags for various goods.

104-2. This machine is similar to the one described above, but it is designed for use with bags of a different size or shape. It features a different arrangement of the closing mechanism, with the blades or fingers being adjusted to fit the specific dimensions of the bag. The overall structure and operation are the same, but the machine is more specialized for a particular type of bag.

104-3. This machine is a more complex version of the bag-closing machine. It includes additional features such as a conveyor belt system for feeding the bags into the machine and a collection bin for the closed bags. The machine is designed to handle a high volume of bags, making it suitable for large-scale production. The closing mechanism is more sophisticated, with multiple stages of engagement to ensure a secure seal on the bag.

104-4. This machine is a portable version of the bag-closing machine. It is designed to be easily moved from one location to another, making it useful for smaller-scale operations or for use in different parts of a facility. The machine has a compact design, with the frame and wheel being foldable or collapsible. Despite its portability, it maintains the same basic functionality as the larger models.

MACHINES OF CLASS 104



MACHINE NO. 104-2 WITH DIRECT CURRENT MOTOR

NO.	DESCRIPTION	PRICE
104-2	FOR CLOSING BAGS AFTER THEY ARE FILLED. Two-thread chain stitch, equipped with an adjustable conveyor suitable for stitching bags measuring from 9 to 28½ inches from the bottom of the bag to the line of stitching and up to 12 inches in thickness. With iron and wood work complete for mechanical power.....	\$275 00
	Speed 2400. Cipher, ERSHU. See Form 9294.	
104-2	WITH IRON WORK, wood work and electric motor for direct current	350 00
	Cipher, ERTDI.	
	NOTE. When ordering give voltage required.	
104-2	WITH IRON WORK, wood work and electric motor for alternating current	350 00
	Cipher, ERTFO.	
	NOTE. When ordering give voltage and cycles required.	

The electric motor for alternating current regularly furnished with this machine is 3 phase.

Prices for single phase motors will be furnished on application.

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MACHINES OF CLASS 104



FIGURE 1. A perspective view of the machine shown in Figure 1.

DESCRIPTION

104-1. This machine is a pump of the type known as a "two-stroke" pump. It is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source. The machine is of the type known as a "two-stroke" pump, and is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source.

FIGURE 2

104-2. This machine is a pump of the type known as a "two-stroke" pump. It is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source. The machine is of the type known as a "two-stroke" pump, and is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source.

FIGURE 3

104-3. This machine is a pump of the type known as a "two-stroke" pump. It is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source. The machine is of the type known as a "two-stroke" pump, and is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source.

FIGURE 4

104-4. This machine is a pump of the type known as a "two-stroke" pump. It is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source. The machine is of the type known as a "two-stroke" pump, and is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source.

FIGURE 5

104-5. This machine is a pump of the type known as a "two-stroke" pump. It is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source. The machine is of the type known as a "two-stroke" pump, and is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source.

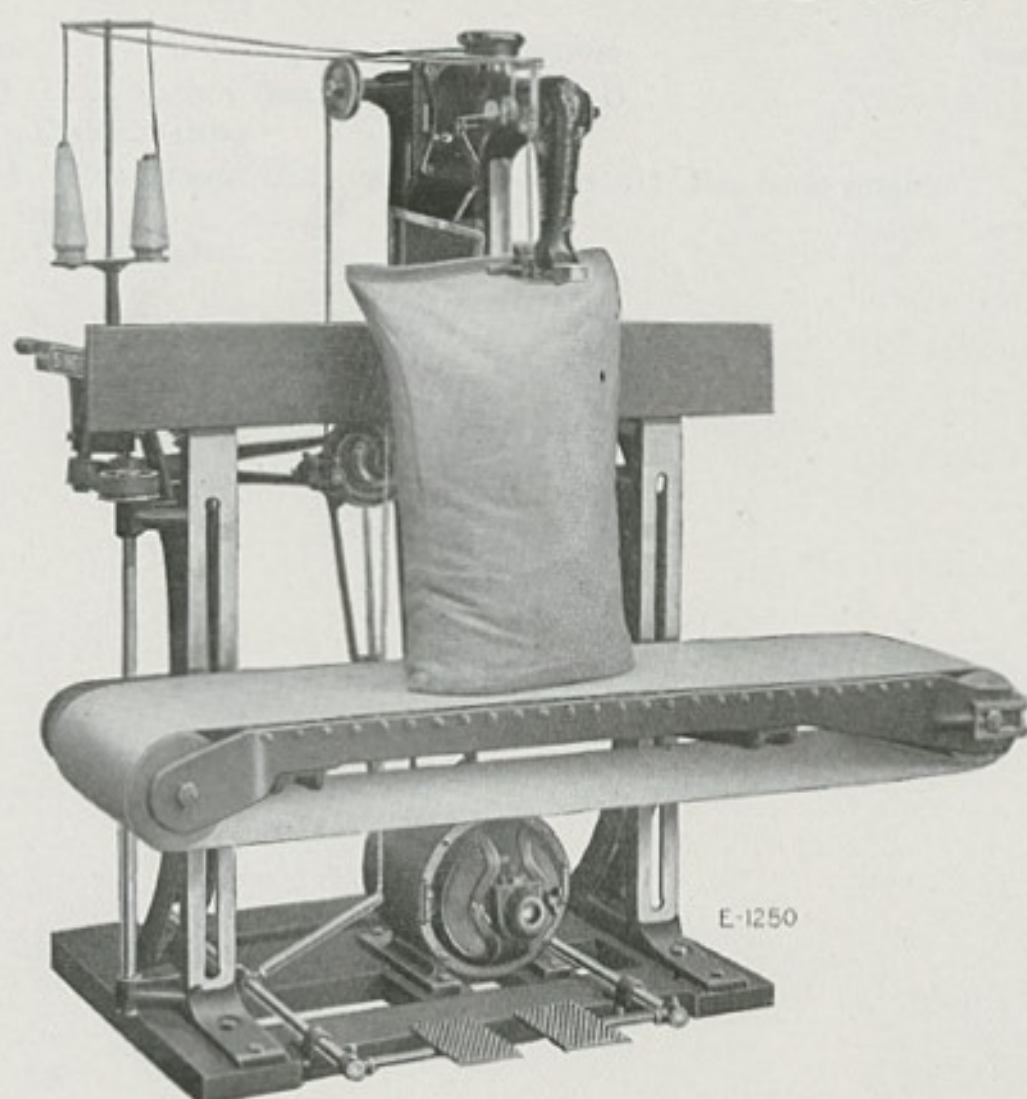
FIGURE 6

104-6. This machine is a pump of the type known as a "two-stroke" pump. It is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source. The machine is of the type known as a "two-stroke" pump, and is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source.

FIGURE 7

104-7. This machine is a pump of the type known as a "two-stroke" pump. It is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source. The machine is of the type known as a "two-stroke" pump, and is adapted for use in a variety of applications, and is particularly well adapted for use in a pump for the purpose of lifting water from a well or other source.

MACHINES OF CLASS 104



MACHINE No. 104-3 WITH DIRECT CURRENT MOTOR

NO.	DESCRIPTION	PRICE
104-3	FOR CLOSING BAGS AFTER THEY ARE FILLED. Two-thread chain stitch, equipped with an adjustable conveyor suitable for stitching bags measuring from 15¼ to 36 inches from the bottom of the bag to the line of stitching and up to 15 inches in thickness. With iron work and wood work complete for mechanical power.....	\$275 00
	Speed 2400. Cipher, ERSID. See Form 9294.	
104-3	WITH IRON WORK, wood work and electric motor for direct current.....	350 00
	Cipher, ERTGU.	
	NOTE. When ordering give voltage required.	
104-3	WITH IRON WORK, wood work and electric motor for alternating current.....	350 00
	Cipher, ERTHA.	
	NOTE. When ordering give voltage and cycles required.	
	The electric motor for alternating current regularly furnished with this machine is 3 phase.	
	Prices for single phase motors will be furnished on application.	

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MACHINES OF CLASS 104



104-1. This class includes all machines of the type described in the preceding class, but which are not of the type described in the preceding class.

104-2. This class includes all machines of the type described in the preceding class, but which are not of the type described in the preceding class.

104-3. This class includes all machines of the type described in the preceding class, but which are not of the type described in the preceding class.

104-4. This class includes all machines of the type described in the preceding class, but which are not of the type described in the preceding class.

104-5. This class includes all machines of the type described in the preceding class, but which are not of the type described in the preceding class.

104-6. This class includes all machines of the type described in the preceding class, but which are not of the type described in the preceding class.

104-7. This class includes all machines of the type described in the preceding class, but which are not of the type described in the preceding class.

104-8. This class includes all machines of the type described in the preceding class, but which are not of the type described in the preceding class.

104-9. This class includes all machines of the type described in the preceding class, but which are not of the type described in the preceding class.

104-10. This class includes all machines of the type described in the preceding class, but which are not of the type described in the preceding class.

MACHINES OF CLASS 115

NO.	DESCRIPTION	PRICE
115-1	FOR FAMILY USE. Rotary hook, H. O. Cipher, FAMRO.	\$ — —
115-2	FOR FAMILY USE. Rotary hook, H. O. Has hand attach- ment Cipher, FAMSU.	— —

MACHINES OF CLASS 127

NO.	DESCRIPTION	PRICE
127-3	FOR FAMILY USE. Vibrating shuttle with shuttle ejector.. Cipher, FAPOR.	\$ — —
127-4	FOR FAMILY USE. Vibrating shuttle with shuttle ejector. Has hand attachment Cipher, FAREK.	— —

MACHINES OF CLASS 128

NO.	DESCRIPTION	PRICE
128-3	FOR FAMILY USE. Vibrating shuttle with shuttle ejector.. Cipher, FAMWE.	\$ — —
128-4	FOR FAMILY USE. Vibrating shuttle with shuttle ejector. Has hand attachment..... Cipher, FAMYS.	— —

MACHINES OF CLASS 128

- 128-1. Sewing Machine. The Sewing Machine Co. of New York City.
128-2. Sewing Machine. The Sewing Machine Co. of New York City.
128-3. Sewing Machine. The Sewing Machine Co. of New York City.
128-4. Sewing Machine. The Sewing Machine Co. of New York City.
128-5. Sewing Machine. The Sewing Machine Co. of New York City.
128-6. Sewing Machine. The Sewing Machine Co. of New York City.
128-7. Sewing Machine. The Sewing Machine Co. of New York City.
128-8. Sewing Machine. The Sewing Machine Co. of New York City.
128-9. Sewing Machine. The Sewing Machine Co. of New York City.
128-10. Sewing Machine. The Sewing Machine Co. of New York City.

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

APRONS

Stitching, Nos. 95-1, 63-6, 62-25, 53-1, 44-37, 44-13, 31-15, 24-53, 24-26, 16-35, 15-31.
Air Tucking, Nos. 62-46, 62-40, 37-9.
Banding, Nos. 52-30, 44-75.
Buttonholes, see Bridgeport Catalogue.
Button Sewing, Nos. 69-6, 69-5, 68-7, 68-6.
Cording, Nos. 62-40, Class 37, Class 52 with Multiple Corders.
Embroidering, Nos. 44-62, 44-39.
Gathering, Nos. 76-1, 24-13, Class 52 with gathering foot.
Hemming, Nos. 95-1, 44-13, 24-26, 15-31 with hemmers.
Hemstitching, see Bridgeport Catalogue.
Inserting Lace, Nos. 52-2, 24-53, 24-26.
Loop Trimming, Nos. 44-71, 44-61.
Picot Edge, No. 24-54
Folding and Crimping Edges, No. 24-17.
Tucking, Nos. 88-6, 52-13 to 52-22, 44-24, 41-13 to 41-17, 41-19, 41-20, 32-55, 24-38, 24-34.
Plaiting, Nos. 31-63, 31-37, 24-19.
Ruffling, Nos. 62-43, 62-42, 44-75, 44-60, 44-28, 44-22, 31-64, 31-60, 31-27, 24-29, 24-23.

AWNINGS

Stitching, Nos. 78-1, 42-8, 31-62, 31-34, 31-15, 16-81, 7-34, 7-9.
Binding, Nos. 78-1, 44-9, 31-19, 16-41 with binders.
Lap Seam Felling, Nos. 31-53, 16-95, 7-28, 7-26, 7-22.

BADGES

Stitching, Nos. 53-1, 44-20, 44-13, 24-36, 24-32, 15-31.
Ornamenting, Nos. 44-39, Class 32 Machines, 31-42.
Overedging, Nos. 81-2, 75-1.

BAGS

For Ballast	
" Canvas	Nos. 92-1, 92-2, 55-4, 55-3, 45 K 49, 45 K 48, 43-2, 43-1, 42-8, 42-2, 16-88, 11-24, 11-12, 11-8, 7-34, 7-28, 7-26, 7-9, 7-5 to 7-7, 3-1.
" Coal	
" Mail	
" Jute	
" Cartridges, Nos. 42-5, 42-2.	
" Darning, Nos. 45 K 49, 45 K 48.	
" Feed	Nos. 92-2, 92-1, 62-25, 44-13, 31-15, 26-1, 26-2.
" Flour	
" Grain	
" Seed	
" School	
" Hand	
" Tobacco	
" Traveling	
For Feeding Horses	Nos. 78-1, 45 K 48, 43-5, 43-2, 43-1, 42-8, 16-88, 11-24, 11-13, 11-12, 11-11, 10-1, 7-28, 7-26, 7-9, 7-5 to 7-7.
" Ore	
" Punching	

BALLOONS

Nos. 55-12, 55-3, 31-62, 31-53, 31-52, 31-19, 31-15.

BANDAGES

Nos. 53-1, 24-52, 24-32.

BANNERS

Stitching, Nos. 95-1, 44-13, 44-9, 32-1, 31-15, 24-32, 16-35.
Ornamenting, Nos. 44-62, 44-39, Class 32 Machines.

BED LINEN

Seaming, Nos. 95-1, 63-6, 44-37, 44-20, 44-13, 31-15, 24-53, 16-35, 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, 16-88, 16-82, 16-41, Binders.

BELTS (WAIST)

Ladies, Nos. 95-1, 62-36, 44-37, 44-35, 44-13, 31-15, 24-32.
Sword, Nos. 78-1, 31-55, 31-17, 16-88 or 16-41 with Binder.
Cartridge, Nos. 78-1, 31-28, 31-17.

BELTING (FOR POWER TRANSMISSION)

Canvas } Nos. 9-1, Machines of Classes 8 and 5.
Rubber }
Leather, Nos. 10-1, 7-14, 7-10, 7-9, 7-8, 7-7, 6-1 to 6-3, Machines of Classes 5 and 8.

BICYCLE SADDLES

Stitching, Nos. 17-24, 17-20, 17-19, 17-12, 17-5, 17-1.
Binding, No. 17-20 with Binder.

BICYCLE TOOL CASES

Stitching, Nos. 78-1, 42-5, 42-1, 31-36, 17-25, 17-24.

BLANKETS

Binding, Nos. 44-72, 44-9, 31-62, 31-19, 16-95, Binders.
Overedging, Nos. 85-2, 85-1, 81-10, 81-5, 75-1.

BOOKS

Binding, Flat Opening, No. 7-11 with Sliding Table.
Blank, Nos. 16-81, 7-15, 7-13, 7-5, 6-10, 6-9.
Pamphlets, Nos. 16-81, 7-13, 7-14.

BOLTING CLOTH

Nos. 31-52, 16-95, 16-84 with Right and Left Folders.

BOOTS

Legs (Military) Nos. 11-23, 11-17, 11-16.
" (Tops) Nos. 43-4, 31-28.
Stitching, Nos. 42-4, 31-36, 31-28, 16-27.
Ornamenting, Machines of Class 32.
Repairing, No. 29-4.

BRACES

Shoulder, Nos. 44-35, 32-26, 32-1, 31-52, 16-48.
Surgical, Nos. 44-9, 31-28, 31-19, 31-17, 16-41, 16-33, 16-27.

BRAIDS

Stitching On, Nos. 95-1, 62-25, 52-2 to 52-12, 41-2 to 41-12, 32-38, 32-1, 24-32, 15-31.

BROGANS

Stitching, Nos. 78-1, 56-11, 56-1, 44-26, 43-3, 31-38, 19-4, 18-17, 18-16, 16-30.

BUFFING WHEELS

Stitching in Circles, Nos. 7-32, 7-14, 6-14, 6-12, 6-11.

CAPS

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

Sweat Bands and Visor Cushions, No. 43-6.

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

CARPETS

Binding, Nos. 78-1, 42-8, 32-1, 16-41, Binders.

Overedge Finish, Nos. 81-10, 75-3.

Stitching Ingrains, Nos. 32-45.

" Brussels, Etc., see Bridgeport Catalogue.

" Mitres, Nos. 42-3, 16-85, 7-5 to 7-7, 3-1.

Serging Edges, No. 32-48.

CARRIAGES, AUTOMOBILES

Cushions, Nos. 78-1, 42-5, 42-4, 16-41, 7-34, 7-9, 3-1, Corders.

Covers, Nos. 44-9, 42-8, 31-62, 31-53, 31-19, 31-15, Machines of Class 7

Dashes, Nos. 67-1, 11-22, 11-15.

Rugs, Robes, Nos. 81-10, 78-1, 75-3, 62-36, 62-25, 44-35, 44-13, 31-52, 31-15, 3-1.

Trimming } Nos. 78-1, 42-5, 31-43, 31-28, 7-9, 7-1, 3-1.
Tops }

CASKET LININGS

Stitching, Nos. 95-1, 88-4, 63-6, 62-25, 53-1, 24-53, 24-37, 24-26.

Gathering, Nos. 76-1, 26-1, 24-13, Class 52 Machines with Gathering Foot.

Ruffling, Nos. 44-60, 44-28, 31-60, 31-27, 24-29, 24-23.

Plaiting, Nos. 31-63, 31-37, 24-19.

Picot Edge, No. 24-54.

COATS, CLOAKS, MEN'S AND BOYS' CLOTHING

Stitching, One Needle, Nos. 95-1, 88-4, 62-25, 44-13, 31-35, 31-32, 31-15, 24-26, 24-7, 16-35.

" Two Needles, Nos. 44-35, 31-62, 31-54, 31-53, 31-52, 16-48, 16-47, Lap Seam Fellers.

" and Edge Trimming, Nos. 62-30, 44-8, 31-35, 16-86.

Binding, Nos. 78-1, 44-72, 44-9, 31-19, 16-84, 16-41, Binders.

Cording, Nos. 78-1, 62-40, Class 52 Machines, Class 41, Class 37 Machines with Cording Feet.

Tacking, Nos. 69-11, 68-9, 51-8, 32-38.

Tacking Cost Marks on Clothing, Nos. 68-23, 68-18.

Serging, Nos. 81-13, 75-4, 32-38.

Quilting, Machines of Classes 52 and 41, 31-34, 31-15.

Buttonholes, see Bridgeport Catalogue.

Barring, Nos. 69-8, 68-11, 68-10 and Class 51 Machines.

Sewing on Buttons, Nos. 69-15, 69-6, 69-5, 68-21, 68-6.

" " Buckles, Nos. 68-22, 68-19, 51-15.

Basting, Padding, Nos. 55-3, 32-54, 31-34.

Closing and Stitching Pockets into Trousers, No. 81-2.

COATS, LEATHER

Nos. 62-41, 62-32, 62-26, 57-1, 56-11, 44-30, 44-25, 44-10, 32-61, 31-55, 31-43, 31-38, 19-12, 17-25, 17-21.

COATS, RUBBER

Nos. 78-1, 31-16, 16-41, 16-32.

COLLARS

Dog, Nos. 78-1, 44-38, 44-10, 32-7, 16-32, 16-27.

Horse, Nos. 78-1, 10-1, 7-27, 7-9, 7-6, 7-2.

COLLARS AND CUFFS

Stitching, Nos. 95-2, 88-5, 44-36, 44-29, 44-17, 44-3, 15-42, 15-34.

Running, No. 63-4.

Overseaming, Nos. 75-1, 32-25, 32-1.

COCOA MATS

Binding, No. 10-3.

COMFORTABLES (BED)

Stitching, Nos. 55-11, 44-9, 31-19, 31-15, 16-41, 16-35.

CORSETS

Stitching, Nos. 95-1, 88-4, 44-20, 31-15.

" on Strips, Two Needles, Nos. 52-2, 44-35, 31-52 (strip guides).

" " " Three to Twelve Needles, See Machines of Classes 52 and 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.

Cording No. 62-40, Class 37, Class 52 with multiple corders, Class 41 with cording feet.

Eyelets, Nos. 32-46, 32-43, 32-42, 32-29.

Lap Seams, Nos. 62-36, 44-35, 31-52.

Ornamenting, Nos. 68-24, 68-20, 68-17, Machines of Class 32.

Flossing, No. 31-42.

COUCHES

Stitching, Nos. 62-25, 42-8, 31-19, 16-41, 7-6, 7-5.

COVERS

Boat	}	Nos. 55-12, 55-11, Class 42, 31-54, 31-53, 31-35, 31-15, 17-25, 16-41, 7-31, 7-30.
Trunk		
Wagon		

Gun	}	Nos. 85-1, 81-10, 62-44, 55-12, 55-11, Class 42, 31-54, 31-52, 31-35, 31-16, 31-15, 16-41.
Horse		
Piano		
Table		

Grommet Holes, No. 11-24.

CURTAINS

Lace, Trimming and Overedging, No. 81-1.

" Darning, No. 31-39, 16-97.

" Ruffling, Nos. 44-60, 44-28, 44-22, 31-60, 31-27, 24-29, 24-23.

" Ornamenting, Nos. 44-71, 44-61, 44-39, 31-42, Class 32.

" Gathering, No. 24-13.

Stitching, Nos. 95-1, 88-4, 63-6, 62-25, 53-1, 24-53, 24-37, 24-26.

Picot Edge, No. 24-54.

CUSHIONS

Leather, Nos. 78-1, 62-41, 62-27, 57-1, 44-9, 42-5, 31-28, 31-19, 31-17.

Enameled Cloth, Nos. 78-1, 62-27, 55-11, 44-9, 42-8, 37-2, 31-28, 31-19, 31-15.

Plush, Nos. 78-1, 62-27, 55-11, 44-9, 42-8 with corders, 31-19, 16-84, 7-9, 3-1.

CYLINDRICAL BOXES

Seaming (Overcast) No. 19-10, 11-16.

DARNING

Bags, Nos. 45 K 49, 45 K 48.

Stockings, Table Linen, Etc., No. 17-28.

DASHES (CARRIAGE)

Stitching, Nos. 67-1, 11-22, 11-15.

DRAPERY

Stitching, Nos. 95-1, 88-4, 78-1, 63-6, 62-25, 53-1, 24-53, 24-37, 24-26.

Ornamenting, Nos. 87-1, 44-71, 44-61, 44-39, Class 32, 31-42, 16-97.

Gathering, Nos. 76-1, 24-13.

Edgecovering, Nos. 81-4, 75-3, 75-1.

DRESSMAKING

Seaming, Nos. 95-1, 88-4, 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, 37-9, 37-6, 37-5, 37-2, 32-61.

Tucking, Nos. 88-6, 52-13 to 52-22, 44-24, 41-13 to 41-17, 41-19, 41-20, 24-38, 24-34.

Ornamenting, Nos. 44-71, 44-61, 44-39, Class 32, 31-42.

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

Eyelets, Nos. 32-46, 32-41, 32-29.

Sewing on Buttons, Nos. 69-6, 69-5, 68-26, 68-25, 68-7, 68-6.

Tacking, Nos. 69-9, 68-24, 68-20, 68-17, Machines of Class 51.

Ruffling, Nos. 62-43, 62-42, 44-75, 44-60, 44-28, 44-22, 31-64, 31-60, 31-27, 24-29, 24-23.

Smocking, No. 32-53.

Plaiting, Nos. 31-63, 31-37.

Sewing in Sleeves, No. 81-2.

DUCK COATS

Stitching, Nos. 78-1, 57-2, 55-12, 55-11, 31-62, 31-53, 31-22, 31-15.

" and Trimming, Nos. 62-30, 31-35, 44-8, 16-86.

Sewing on Buttons, Nos. 69-6, 69-5, 68-6.

Tacking, Nos. 69-11, 68-9, 32-38, Machines of Class 51.

EMBROIDERY

Machines Nos. 87-16, 87-6, 87-1, 44-62, 44-39, 16-97.

See "Ornamental Stitching."

FLAGS

Stitching, Nos. 95-1, 88-4, 78-1, 62-36, 62-25, 44-37, 44-13, 32-26, 31-15, 24-53, 24-26.

Hemming, Nos. 95-1, 88-4, 78-1 with Hemmers.

FLOSSING

No. 31-42.

FOOT BALLS

Stitching, Nos. 43-3, 42-6, 17-24, 10-1, 7-14.

FUR

Sewing, Nos. 46 K 26 to 46 K 28.

GLOVES

Silk and Cotton, Nos. 82-11, 82-10, 82-4, 82-3, 46 K 2, 46 K 1, 25-4, 25-1, 24-53, 15-36.

Leather, Nos. 81-14, 78-1, 62-41, 62-39, 62-32, 62-27, 46 K 25, 46 K 15, 44-12.

Cotton Flannel, Nos. 81-5, 81-2, 75-5, 25-53.

Ornamenting Backs, Nos. 62-39, 37-8, 37-6, 37-2.

Button Sewing, Nos. 69-6, 68-7.

Buttonholes, see Bridgeport Catalogue.

GOSSAMER RUBBER CLOTHING

Stitching, Nos. 95-1, 88-4, 62-36, 62-25, 44-37, 44-13, 31-16.

Button Sewing, Nos. 69-5, 68-6.

Buttonholes, see Bridgeport Catalogue.

HANDKERCHIEFS

Hemstitching, see Bridgeport Catalogue.

HARNESS

Traces, Nos. 10-1, 7-30, 7-14, 7-10, 7-9.

Stitching, Nos. 78-1, 43-4, 43-1, 42-7, 42-6, 7-30, 7-10, 7-9, 7-1, 3-2

Binding, Nos. 78-1, 44-72, 42-5, 16-88, 16-41, 7-9, 3-2.

Pads, Overedging, Nos. 85-2, 85-1, 75-1.

HASSOCKS

Stitching, Nos. 78-1, 56-13, 55-11, 42-5, 7-9.

HATS

Overedging Brims, No. 81-2.

Multiple Stitching Brims and Crowns, Class 52 Machines.

Stitching (Straw), No. 25-54.

Binding (Felt), Nos. 59-1, 44-11 with Attachments.

Snapping Binding, No. 51-16.

Sweat Bands, Nos. 75-1, 37-10, 37-3, 32-62, 32-61.

Cases, Leather, Nos. 78-1, 43-4, 19-12, 19-10, 17-24, 17-20.

HAVERSACKS

Stitching, Nos. 78-1, 57-14, 57-1, 44-9, 31-19, 31-15, 16-88, 16-35.

HEAVY LEATHER

Nos. 10-1, 7-14, 7-9, 6-1 to 6-4.

HELMETS

Nos. 17-25, 17-18, 17-8.

FOR HORSES

Blankets, Nos. 85-2, 85-1, 78-1, 62-36, 42-5, 31-53, 31-34, 31-30, 31-15, 16-95, 7-9, 3-1.

Boots, Nos. 17-20, 17-12, 17-5.

Clothing, Nos. 78-1, 42-2, 31-52, 31-15.

Shoe Pads, No. 7-14.

HOSIERY

Overstitching and Trimming, Nos. 81-4, 81-3, 62-31.

Stitching, Nos. 82-3, 75-1, 62-25, 55-1.

Seam Covering, Nos. 86-1, 62-38.

Darning, No. 17-28.

Hemming Tops, No. 81-6.

INFANTS' GARMENTS (CAPS, CLOAKS, ETC.)

Stitching, Nos. 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, 37-9.

Banding, Nos. 52-30, 44-75.

Buttonholes, see Bridgeport Catalogue.

Button Sewing, Nos. 69-6, 68-26, 68-25, 68-7, 68-6.

Cording, Nos. 62-40, Class 37, Class 52 with Multiple Corders, Class 41 with Cording Feet.

Embroidering, Nos. 44-62, 44-39.

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

Hemming, Nos. 95-1, 44-13, 24-26, 15-31 with Hemmers.

Hemstitching, see Bridgeport Catalogue.

Inserting Lace, Nos. 62-43, 52-2, 24-53, 24-26.

INFANTS' GARMENTS (CAPS, CLOAKS, ETC.)—CONTINUED

Loop Trimming, Nos. 44-71, 44-61.

Picot Edge, No. 24-54.

Folding and Crimping Edges, No. 24-17.

Tucking, Nos. 88-6, 52-13 to 52-22, 44-24, 41-13 to 41-17, 41-19, 41-20, 32-55, 24-38, 24-34.

Plaiting, Nos. 31-63, 31-37, 24-19.

Ruffling, Nos. 62-43, 44-75, 44-60, 44-28, 44-22, 31-64, 31-60, 31-27, 24-29, 24-23.

Ornamental Stitching, Nos. 32-58, 32-57, 32-51.

INSOLES

Binding, Nos. 78-1, 62-27, 44-9, 31-62, 31-19, 16-95, Binders.

Overedging, Nos. 85-2, 85-1, 81-12, 81-10, 44-10 with Attachments.

JACQUARD CARDS

Lacing, Machines of Class 14 K.

JEAN PANTS, KNEE PANTS

Stitching, Nos. 95-1, 78-1, 62-25, 44-13, 31-32, 31-15, 16-35.

" Two Needles, Nos. 44-35, 31-62, 31-52, 16-48.

Banding, Nos. 55-12, 31-52, 41-3.

Buttonholes, see Bridgeport Catalogue.

Sewing on Buttons, Nos. 69-5, 68-6.

Covering Seams, No. 62-38.

Sewing on Buckles, Nos. 68-22, 68-19, 51-15.

Tacking, Nos. 68-10 to 68-12, 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, 62-41, 62-36, 62-25, 57-14, 57-1, 31-15.

LAMBREQUINS

Stitching, Nos. 95-1, 78-1, 62-36, 62-25, 44-35, 31-15.

Overedging, Nos. 81-10, 81-5, 75-1.

Ornamenting, Nos. 87-1, 68-20, 68-17, 44-71, 44-62, 44-61, 44-39, Machines of Class 32, 16-97.

LAP ROBES

Stitching, Nos. 78-1, 62-36, 62-25, 44-35, 31-15, 3-1.

Binding, Nos. 78-1, 44-72, 44-9, 31-19, 16-84, 16-41, Binders.

Overedging, Nos. 81-10, 81-5, 75-1.

LIFE PRESERVERS

Stitching, Nos. 78-1, 42-8, 42-2, 7-9, 3-1.

MACKINTOSHES AND RUBBER CLOTHING

Stitching, Nos. 62-36, 62-25, 44-37, 44-13, 31-16.

Button Sewing, Nos. 69-15, 68-21.

Buttonholes, see Bridgeport Catalogue.

Tacking, Nos. 68-12, 68-11, 68-10, 51-10.

Lap Seam Felling, No. 31-53.

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.

MATTRESSES

Stitching, Nos. 95-1, 62-25, 31-19, 31-15.

Binding, Nos. 78-1, 62-25, 44-9, 31-19, 31-15, 16-41.

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.

Button Sewing, Nos. 69-6, 68-7.

MITTENS (LEATHER)

Stitching, Nos. 81-14, 78-1, 62-41, 43-3, 17-24.

Stitching and Trimming, Nos. 62-32, 62-31, 56-4, 44-25, 31-38, 17-11.

NECK TIES

Stitching, Nos. 53-1, 52-6, 52-4, 52-3, 44-20, 44-13, 24-52, 24-32, 24-31, 24-26.

Hemming, Nos. 24-32, 24-26.

OVERALLS

Stitching, Nos. 95-1, 78-1, 62-25, 57-4, 31-19, 31-15.

Stitching Two Rows, Nos. 86-10, 62-36, 57-2, 56-2, 55-12, 31-62, 31-53.

Tacking, Nos. 69-11, 68-9, 51-10, 51-9, 51-8, 51-3.

Buttonholes, see Bridgeport Catalogue.

Sewing on Buttons, Nos. 69-5, 68-6.

" " Buckles, Nos. 68-22, 68-19, 51-15.

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. 62-36, 44-35 with Tape Guide, 31-52, $\frac{3}{16}$ in. gauge.

Taping Seams, Nos. 62-36, 44-35 with tape Guide, 31-52, $\frac{1}{8}$ in. gauge

Buttonholes, see Bridgeport Catalogue.

Sewing on Buttons, Nos. 77-2, 58-9, 58-2.

Sewing on Buckles, Nos. 68-22, 51-15.

PAMPHLETS

Stitching, Nos. 78-1, 16-81, 7-13, 6-9.

POCKETBOOKS, PURSES, ETC.

Stitching, Nos. 56-1, 44-30, 44-25, 44-9, 31-19, 18-15, 17-16, 17-15.

Overedging, Nos. 81-12, 75-1.

PRESS CLOTHS FOR STRAINING OIL FROM COTTON SEED

Stitching Nos. 7-16 to 7-18.

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, 44-61, 44-39, Machines of Class 32, 31-42, 16-97.

Edge Covering, Nos. 81-10, 75-3.

Cording, Nos. 78-1, 62-40, Machines of Classes 52 with Multiple Corders, 41 with Cording Feet and 37.

REINS, DRIVING

Stitching (Round) Nos. 78-1, 44-10, 31-17, 16-37, 7-30, Special Fittings.

ROLLS, MUSIC

Stitching, Nos. 19-10, 17-25, 17-11.

RUFFLING FABRICS

Nos. 62-43, 62-42, 44-75, 44-60, 44-28, 44-22, 31-64, 31-60, 31-27, 24-29, 24-23.

SADDLES

Stitching, Nos. 78-1, 43-4, 43-1, 42-7, 42-6, 7-30, 7-9, 7-1, 3-2.

Ornamenting, No. 68-17, Machines of Class 32.

SAILS

Stitching, Nos. 43-5, 43-2, 42-8, 42-3, Machines of Class 11, 7-31, 7-30, 7-29, 7-9, 7-1.

Stitching, Two Needles, Nos. 7-28, 7-27, 7-26, 7-22.

Grommet Holes, No. 11-24.

SCHOOL BAGS

Stitching, Nos. 78-1, 62-25, 44-13, 31-15, 26-2, 24-53, 24-26.

SHADES

Hemming, Nos. 62-25, 32-56, 31-24, 16-88.

SHEETS

Hemming, Nos. 95-1, 88-4, 44-13, 31-15.

SHIRTS

Closing, Nos. 95-1, 88-4, 62-25, 44-13, 24-53, 19-16, 16-35, 15-31.
Lap Seaming, Nos. 86-10, 62-36, 57-2, 56-2, 44-37, 31-52, 19-15.
Cording Bosoms, Machines of Classes 52 and 37, Nos. 62-40, 24-36 and 24-8 with Corders.
Taping Bosoms, Nos. 62-36, 44-37, 31-52 with Tape Guides.
Stitching, see "Closing."
Sleeving, Nos. 95-1, 88-4, 57-2, 56-2, 44-37, 44-35, 31-52.
Buttonholes, see Bridgeport Catalogue.
Sewing on Buttons, Nos. 69-6, 68-7.
Eyelets, No. 32-41.

SHOES

Closing Linings, Nos. 62-25, 44-20, 24-32.
For Taping Heel Seams on Linings, No. 52-31.
Top Facing, No. 62-25.
Heel Seaming, No. 32-59.
Closing Button Fly, Nos. 62-50, 24-32, 16-30, 16-27.
Closing On and Undertrimming, Nos. 44-27, 44-26, 44-14, 31-41, 31-40, 31-30, 16-96.
Outside Heel Staying, Nos. 44-34, 31-55, 16-44, 16-27.
Buttonholes, see Bridgeport Catalogue.
Staying, Nos. 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, 16-27.
Tip Stitching, Nos. 62-45, 44-34, 16-46, 16-44.
Closing Heel Seam, Nos. 44-9, 31-19, 15-28.
Inside Staying, Nos. 62-35, 44-34, 16-46.
Vamping, No. 18-2.
" Two Needle, Nos. 62-50, 44-38, 44-34, 31-55, 18-16, 18-5, 16-45.
Toe Linings, Nos. 62-25, 44-20, 24-32.
Closing On, No. 44-7.
Sewing on Buttons, Nos. 77-2, 58-9.
Barring and Tacking, Nos. 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, 16-27.
Top Stitching, Nos. 44-10, 16-27.
Taping Button Fly, Nos. 95-1, 62-27, 62-26, 44-20.

SKIRTS

Stitching, Nos. 95-1, 88-4, 63-6, 62-25, 53-1, 24-53, 24-37.
Cording, Nos. 62-40, 37-9, 37-6, 37-2.
Ruffling, Nos. 62-43, 62-42, 44-60, 44-28, 44-22, 31-64, 31-60, 31-27, 24-29, 24-23.
Tucking, Nos. 95-1, 88-4, 52-13 to 52-22, 44-24, 41-13 to 41-17, 41-19, 41-20, 24-38, 24-34, 24-14.
Air Tucking, Nos. 62-46, 62-40, 37-9.
Knife Plaits, Nos. 31-63, 31-37.

SKIRTS—CONTINUED

Box Plaits, No. 31-63, 31-37, 24-19.
Folding and Crimping Edges, No. 24-17.
Sewing on Straps, Nos. 69-11, 68-9.
Sewing on Buttons, Nos. 69-6, 68-7.

STAIR PADS

Quilting, Nos. 78-1, 42-8, 42-3, 7-9.

SUSPENDERS

Nos. 44-13, 44-10, 32-26, 32-1, 31-17, 16-27.

SWEAT LEATHERS FOR HATS

Reeded Edges, Nos. 37-10, 37-3, 32-62, 32-61, 32-25 with Guide.
Stitching In, No. 17-19.

SWORD CASES

Stitching, Nos. 7-30, 7-14.

TABLE LINEN

Stitching, Nos. 95-1, 88-4, 62-25, 24-53, 24-37.
Hemming, Nos. 95-1, 88-4, 44-20, 44-13 with Hemmers.
Darning, No. 17-28.

TARPAULINS

Stitching, Nos. 78-1, 42-6, 7-29, 7-31, 7-22, 7-9.
Grommet Holes, No. 11-24.

TENTS

Stitching, Nos. 78-1, 55-11, 42-8, 31-34, 31-19, 7-31, 7-9.
Binding, Nos. 78-1, 42-8, 31-19 with Binders.
Grommet Holes, No. 11-24.

TOE PADS

Stitching, Nos. 7-9, 7-5.

TRUNK HANDLES

Stitching, Nos. 44-4, 31-38, 10-1, 7-10.

TRUSSES

Stitching, Nos. 44-72, 31-17, 17-24, 17-12, 16-72.

TUCKING

Plain, Nos. 95-1, 88-3, 52-13 to 52-22, 44-24, 41-13 to 41-17, 41-19, 41-20, 32-55,
24-38, 24-34 with Tuckers.
Air Tucks, Nos. 62-46, 62-40, 37-9.

UMBRELLAS

Hemming, Nos. 95-1, 88-4, 44-13, 24-32, 24-26 with Hemmers.
Seaming, Nos. 62-25, 53-1, 24-52, 24-39.

UNDERWEAR (LINEN AND COTTON)

- Stitching, Nos. 95-1, 88-4, 63-6, 62-25, 44-13, 44-8, 31-15, 24-53, 15-31.
" Two Rows, Nos. 62-36, 52-2, 44-37, 31-62, 31-52, 24-37, 24-4.
Hemming, Nos. 95-1, 88-4, 44-13, 24-32, 24-26, 15-31 with Hemmers.
Gathering, Nos. 76-1, 24-13.
Tucking, Nos. 95-1, 88-4, 44-24, 24-38, 24-34, 24-14 with Tuckers.
" Multiple, Nos. 52-13 to 52-22, 41-13 to 41-17, 41-19, 41-20.
" Air, Nos. 62-46, 62-40, 37-9.
Cording, Nos. 62-40, 37-9, 37-6, 37-2.
Ruffling, Nos. 62-43, 62-42, 44-60, 44-28, 44-22, 31-64, 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.
Covering Seams, No. 62-38.
Overedging, Nos. 81-2, 81-1, 75-6, 75-5, 75-1.
Buttonholes, see Bridgeport Catalogue.
Sewing on Buttons, Nos. 69-6, 69-5, 68-7, 68-6.
Stitching on Straps, Nos. 69-11, 68-9, 51-10.
Fancy Stitching, Nos. 68-24, 68-20, 68-17, 32-58, 32-57.
Sleeving, No. 81-2.

UNDERWEAR (KNIT)

- Seaming, Nos. 81-4, 81-3, 62-36, 62-30.
Seam Covering, Nos. 86-1, 62-38, 32-1.
Edging, Nos. 81-10, 81-4, 81-3.
Neck Stitching (Back Flap) No. 62-38.
Button Staying, Nos. 62-28, 52-4, 52-2, 44-37, 24-36.
Stitching on Collarettes, No. 62-28.
Covering on Collarettes, No. 62-38.
Facings, Nos. 52-32, 52-4, 52-2, 44-37, 24-36.
Overedging, Nos. 81-4, 81-3, 75-1.
Button Sewing, Nos. 69-6, 69-5, 68-7, 68-6.
Stitching on Labels, Nos. 68-23, 68-18, 62-36, 24-4.
Stitching on Straps, Nos. 69-11, 68-9, 51-10.
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, 32-42, 32-29.
Budding, Nos. 68-24, 68-20, 68-17.
Trimming and Blind Stitch Hemming, No. 81-6.

UPHOLSTERY

- Seaming, Nos. 78-1, 44-13, 44-9, 42-5, 31-19, 31-15, 16-41.
Overedge Stitching, Nos. 81-10, 81-2, 75-3, 75-1.

VALISES, SUIT CASES

- Stitching, Nos. 78-1, 43-3, 17-24, 17-19, 17-12, 10-1.

VESTS

Stitching, Nos. 95-1, 78-1, 44-13, 31-15, 16-35.

Stitching Two Rows, Nos. 44-35, 31-52, 16-84.

Buttonholes, see Bridgeport Catalogue.

Sewing on Buttons, Nos. 69-5, 68-6.

Sewing on Buckles, Nos. 68-22, 51-15.

Tacking, Nos. 69-8, 68-10, 51-10, 51-8, 51-2.

WAISTS (SEE DRESSMAKING)

WRAPPERS

Seaming, Nos. 95-1, 88-4, 63-6, 62-25, 44-13, 31-15, 24-53.

Seaming Two Rows, Nos. 62-36, 44-35, 31-62, 31-52, 24-37.

Sleeving, Nos. 81-2, 44-8, 16-86.

Ornamenting, Nos. 44-62, 44-61, 44-39, Machines of Class 32.

Ruffling, Nos. 62-43, 62-42, 44-60, 44-28, 44-22, 31-64, 31-60, 31-27, 24-29, 24-23.

Cording and Imitation Cording, Nos. 62-46, 62-40, 37-9, 37-6, 37-2.

Tucking, Nos. 95-1, 88-4, 44-24, 24-38, 24-34, 24-14.

Multiple Tucking, Nos. 52-13 to 52-22, 41-13 to 41-17, 41-19, 41-20.

Button Sewing, Nos. 69-6, 69-5, 68-7, 68-6.

VESTS

1. Vest of dark blue cloth, with
white stripes on the sleeves, and
white stripes on the collar. The
collar is white, and the sleeves
are white. The vest is made of
dark blue cloth.

WAISTS (SEE DRESSMAKING)

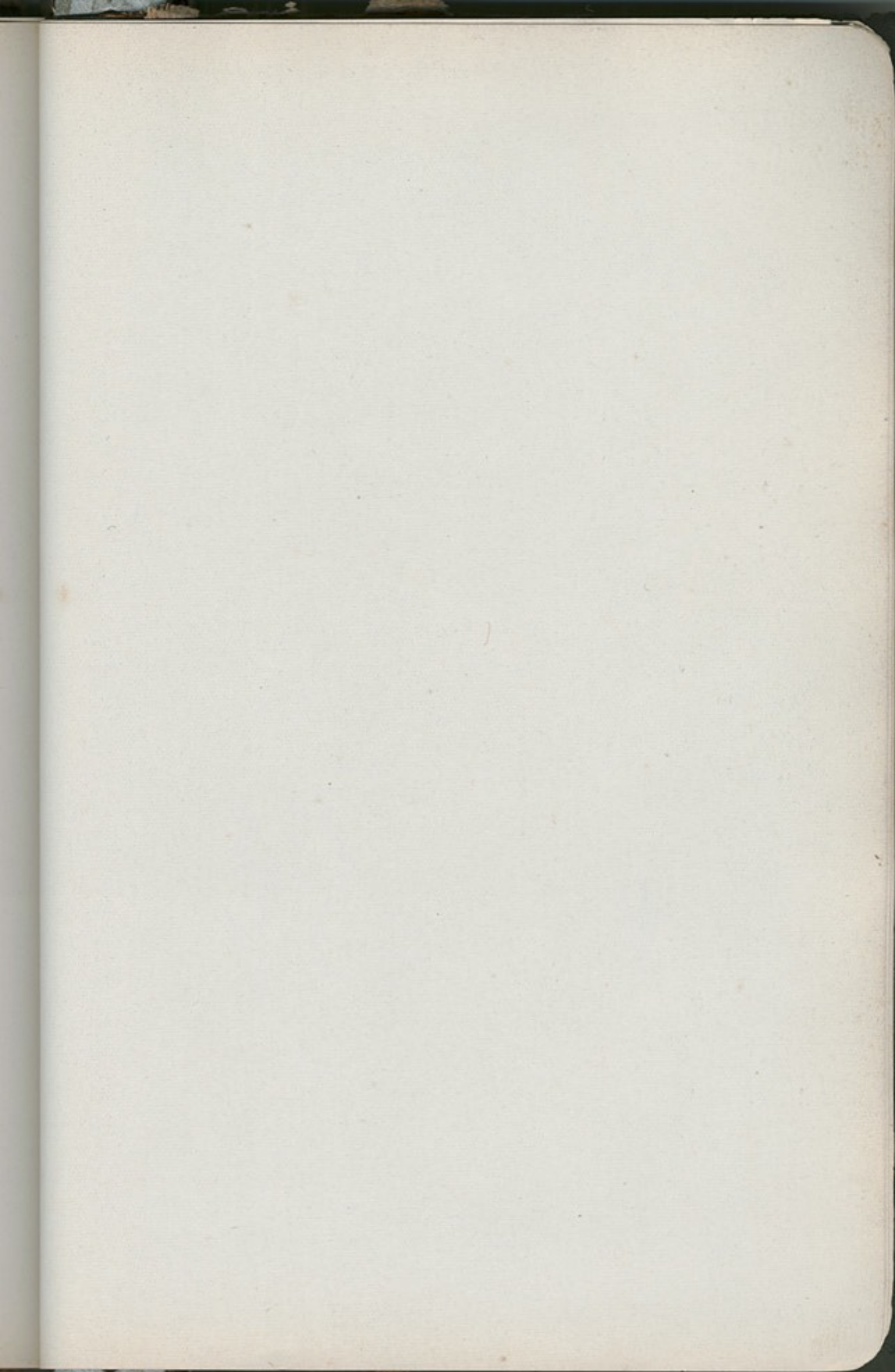
WRAPPERS

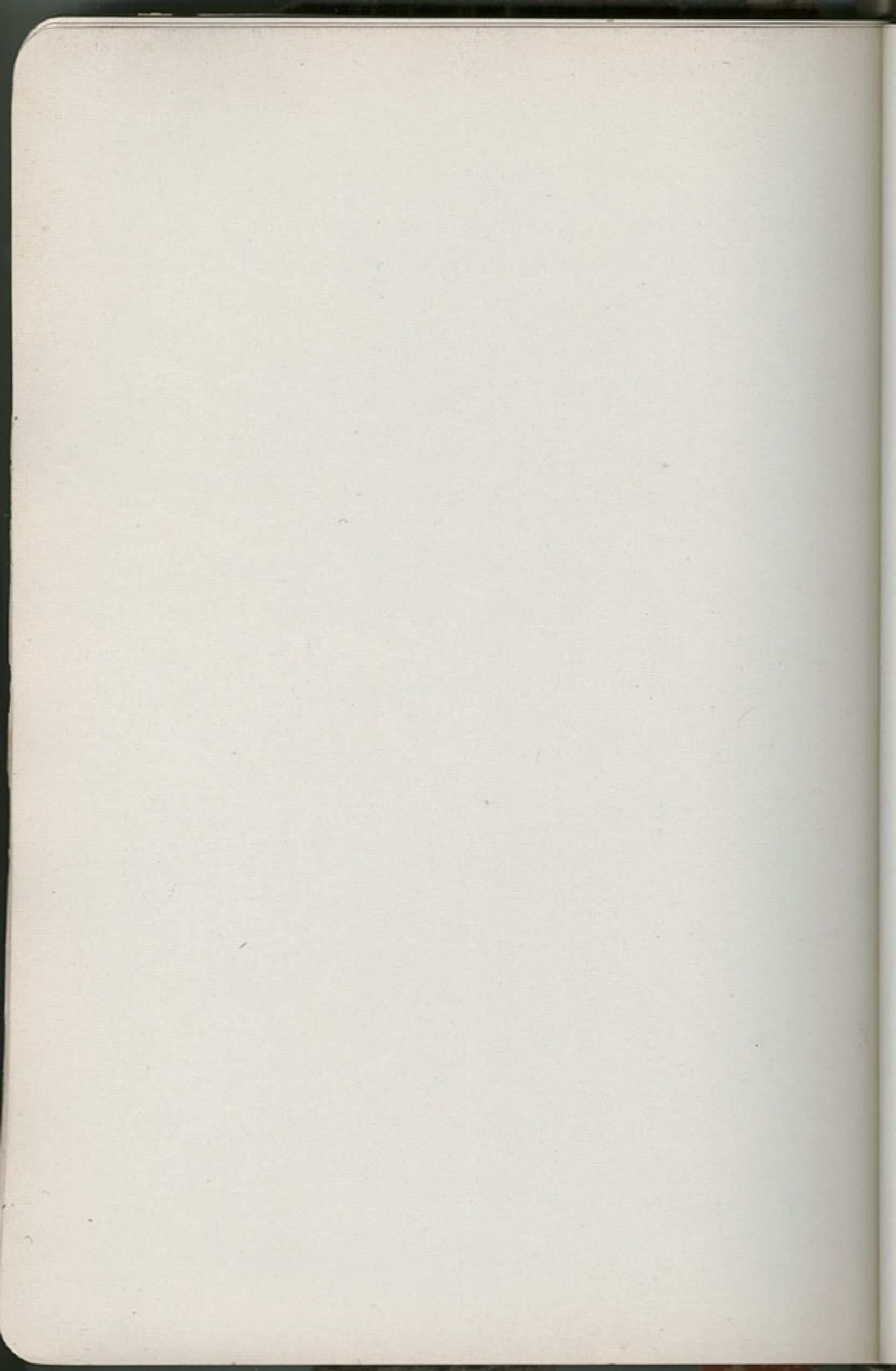
1. Wrapper of dark blue cloth, with
white stripes on the sleeves, and
white stripes on the collar. The
collar is white, and the sleeves
are white. The wrapper is made of
dark blue cloth.

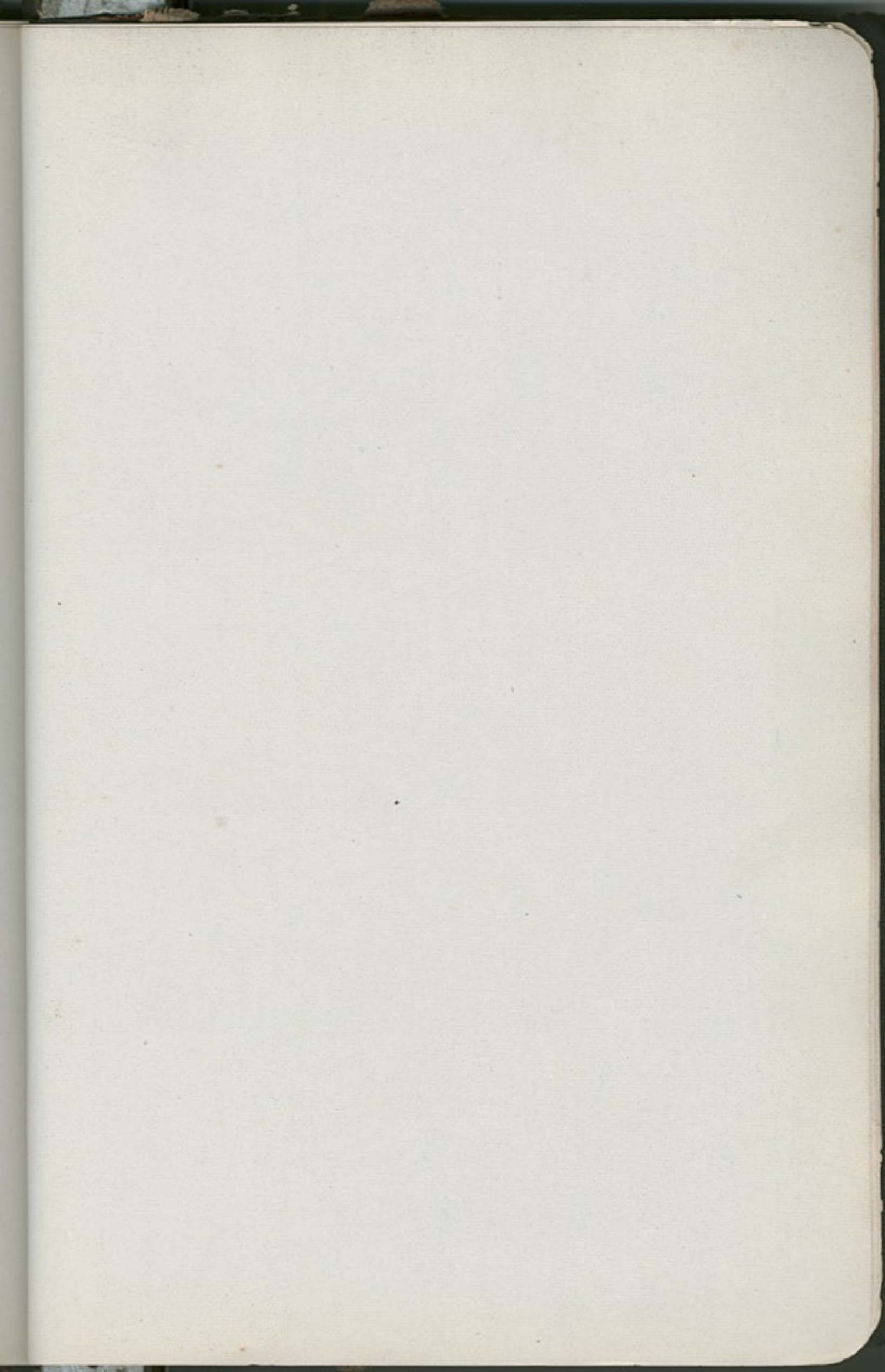
2. Wrapper of dark blue cloth, with
white stripes on the sleeves, and
white stripes on the collar. The
collar is white, and the sleeves
are white. The wrapper is made of
dark blue cloth.

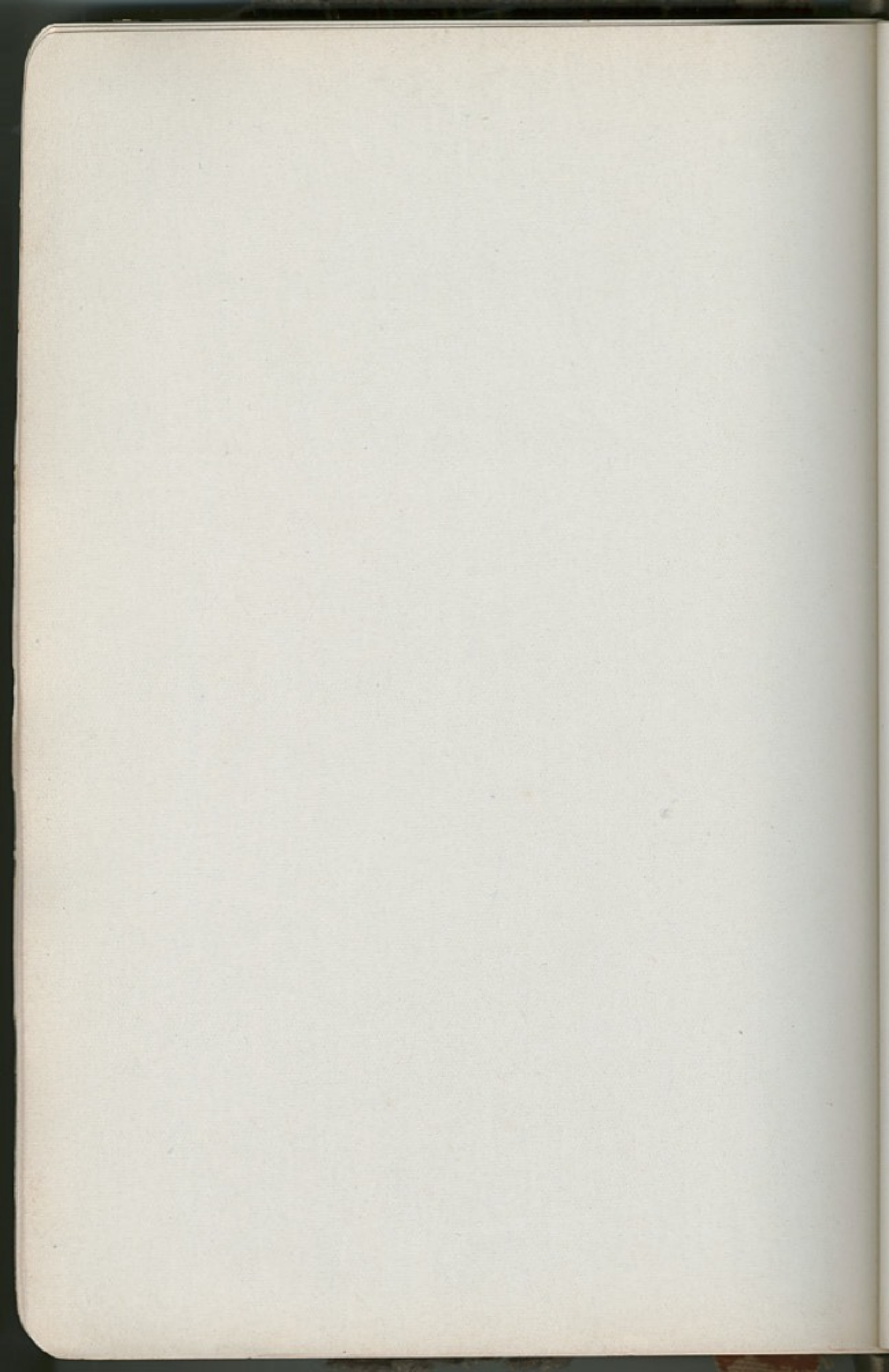
3. Wrapper of dark blue cloth, with
white stripes on the sleeves, and
white stripes on the collar. The
collar is white, and the sleeves
are white. The wrapper is made of
dark blue cloth.

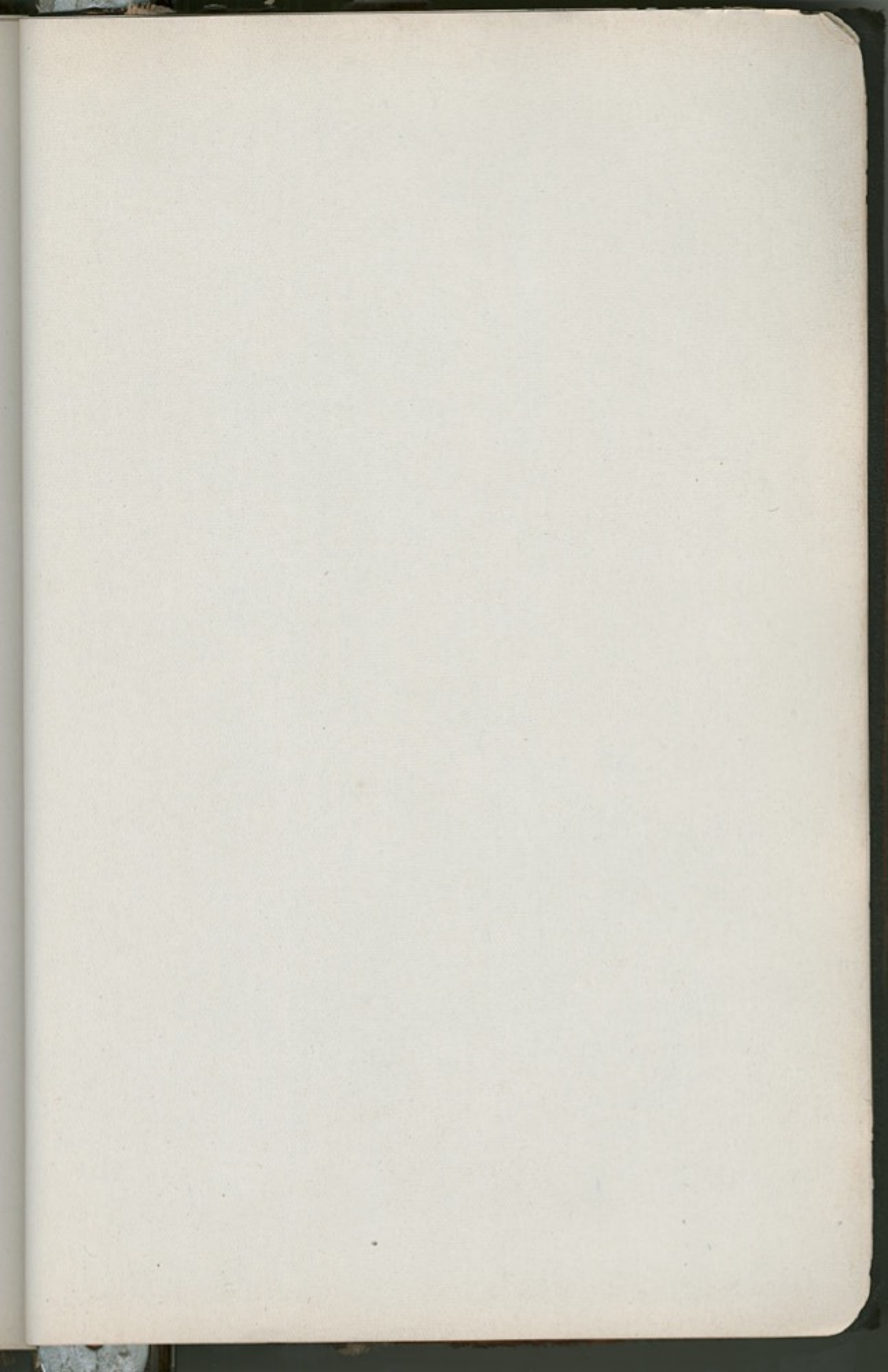
4. Wrapper of dark blue cloth, with
white stripes on the sleeves, and
white stripes on the collar. The
collar is white, and the sleeves
are white. The wrapper is made of
dark blue cloth.

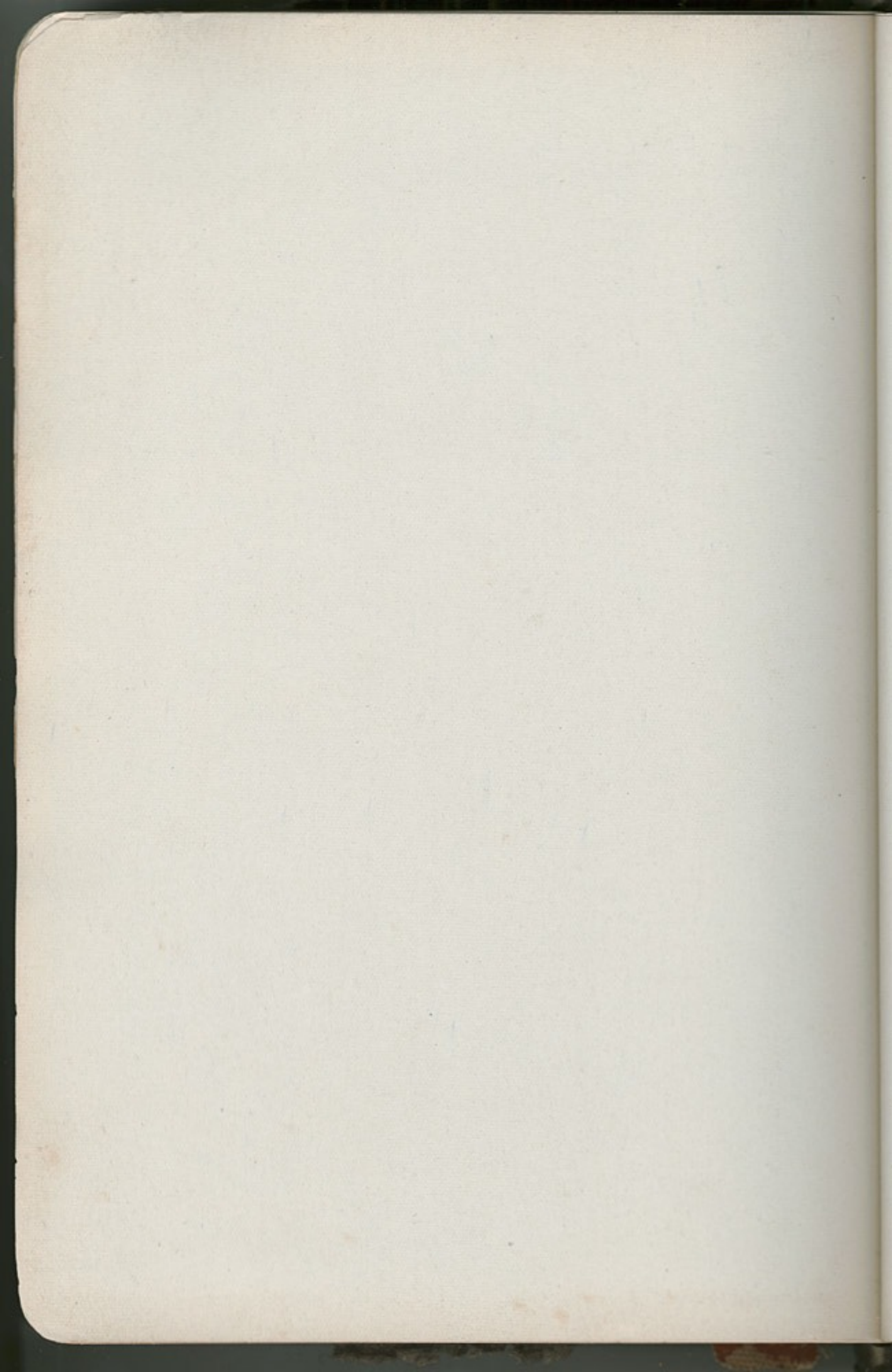


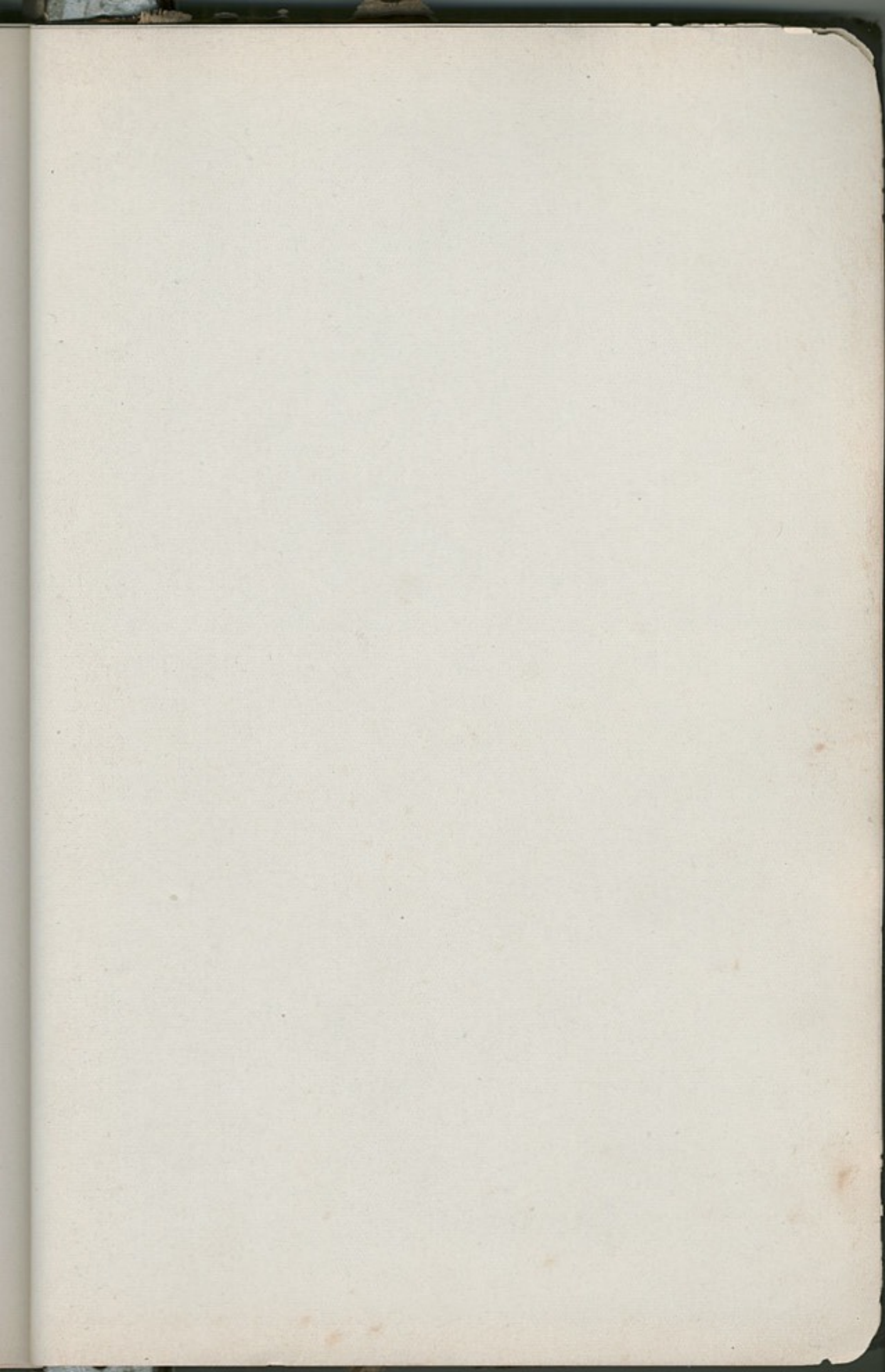


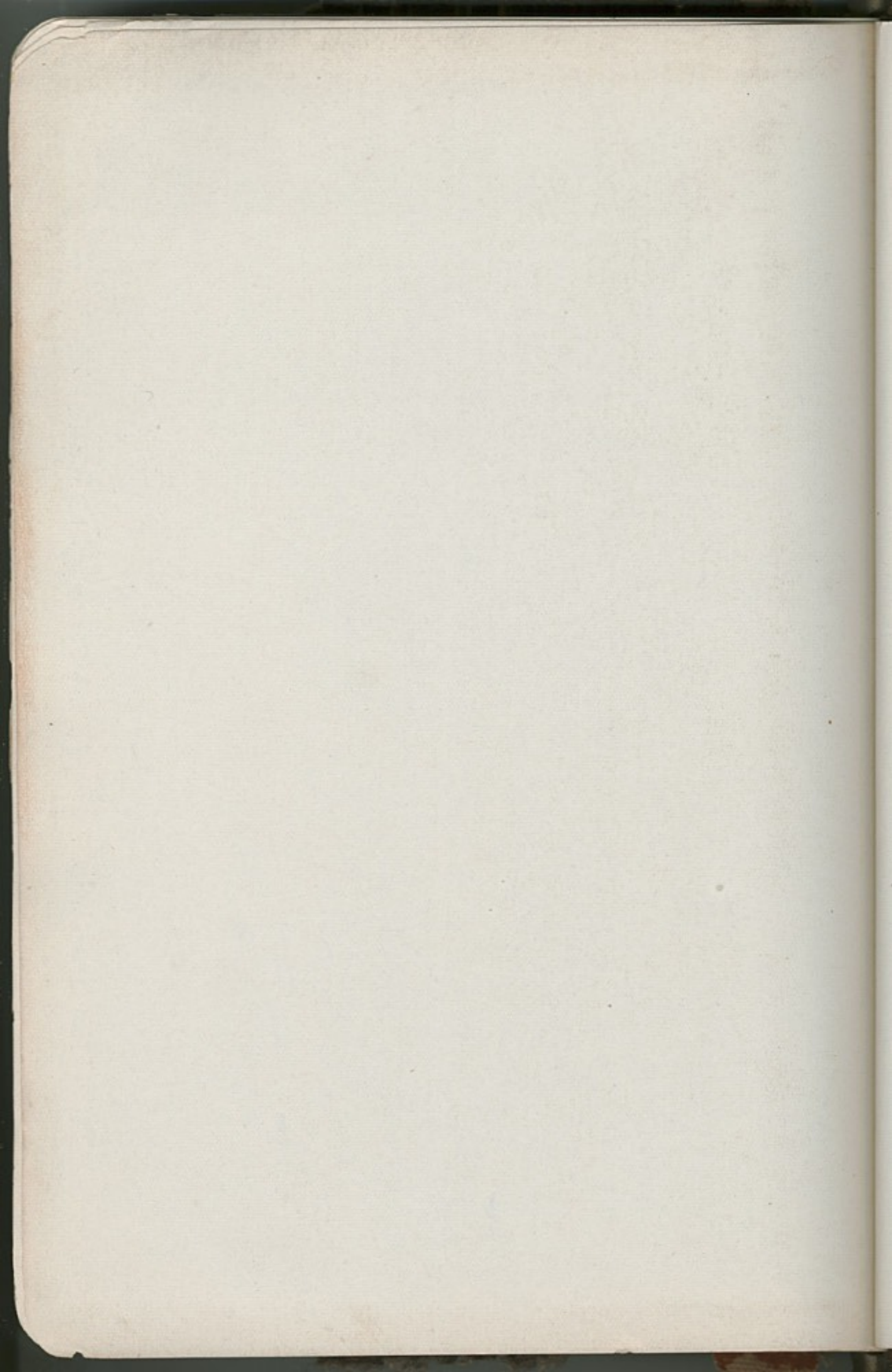


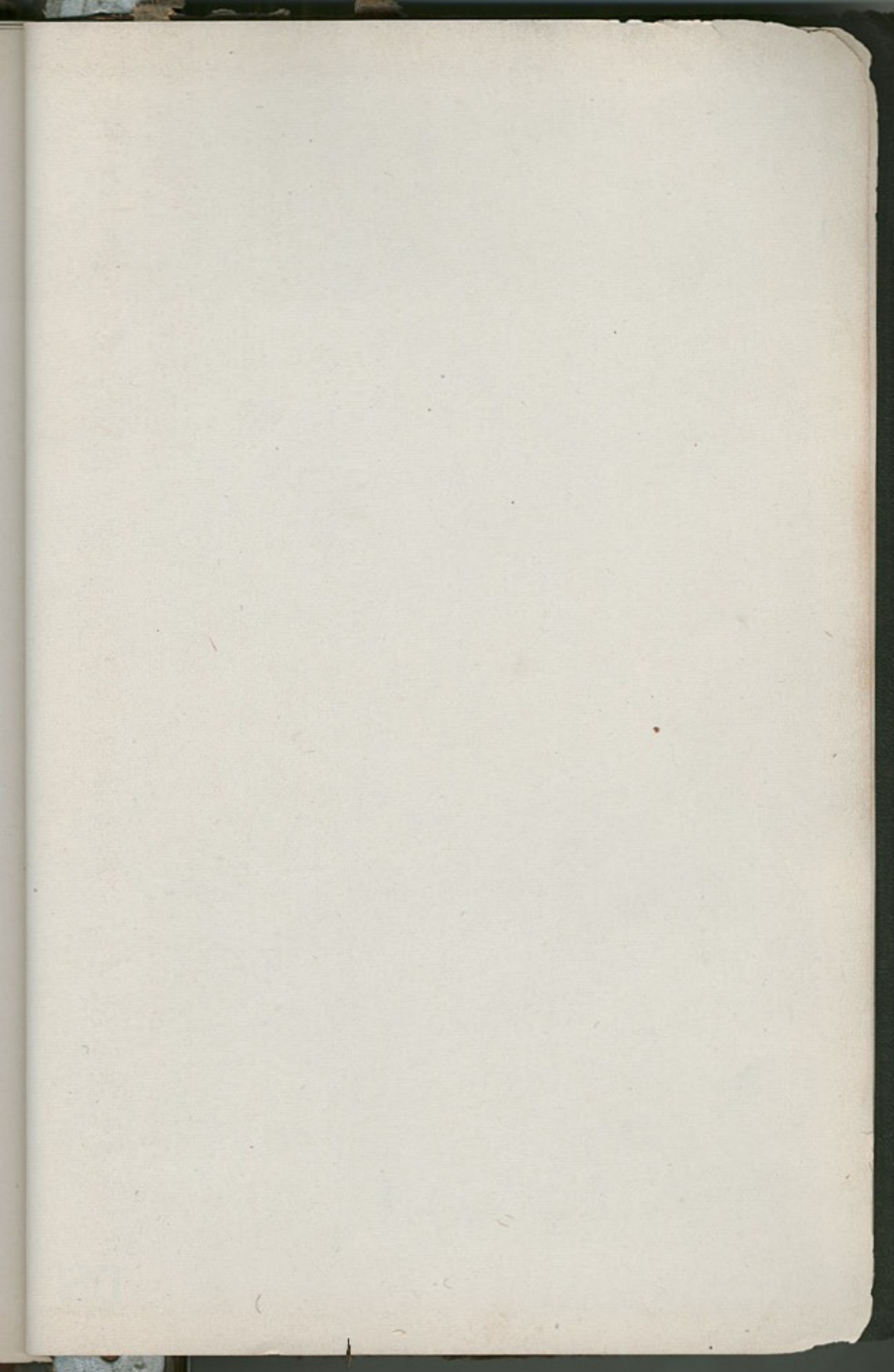




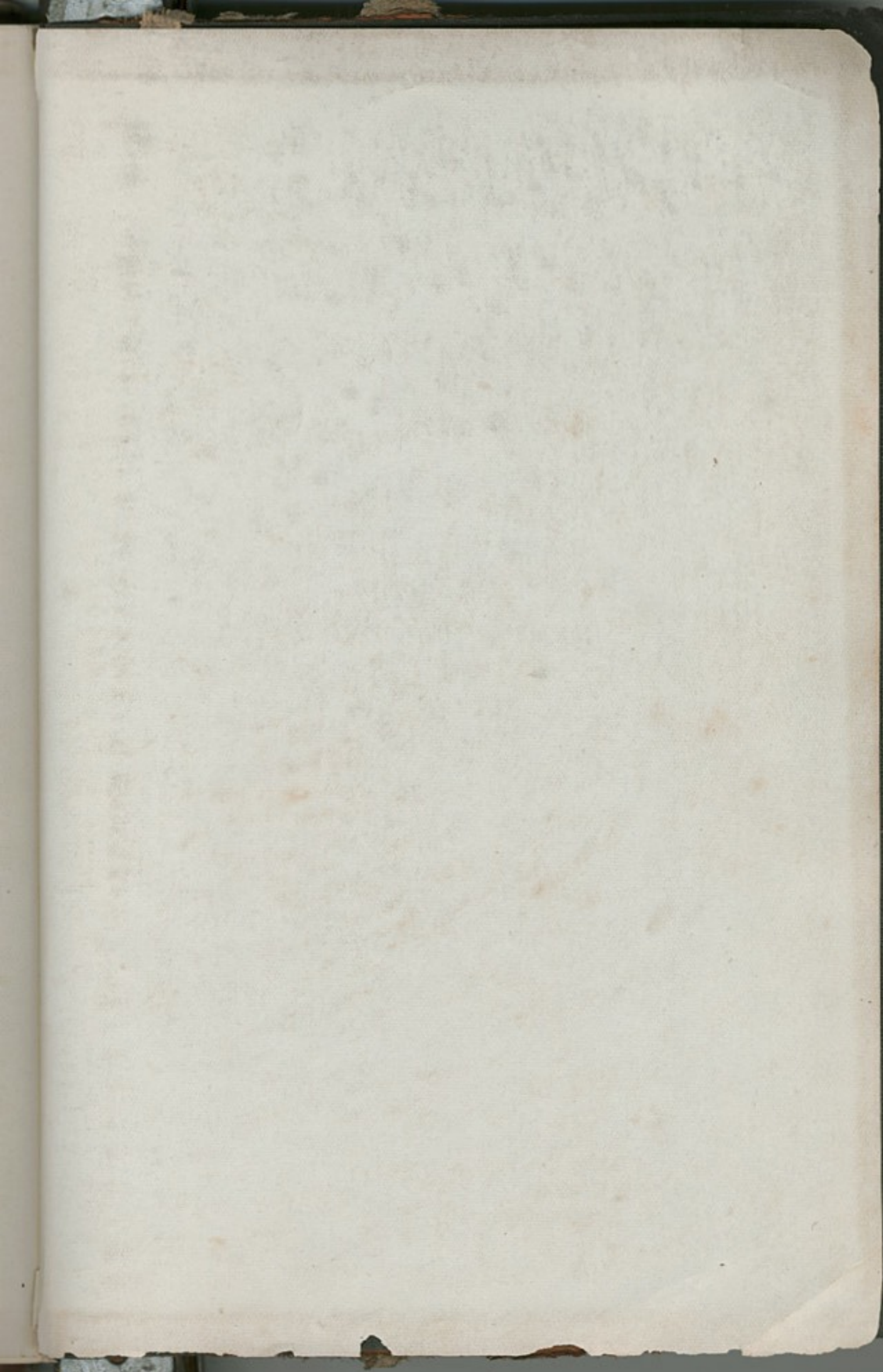


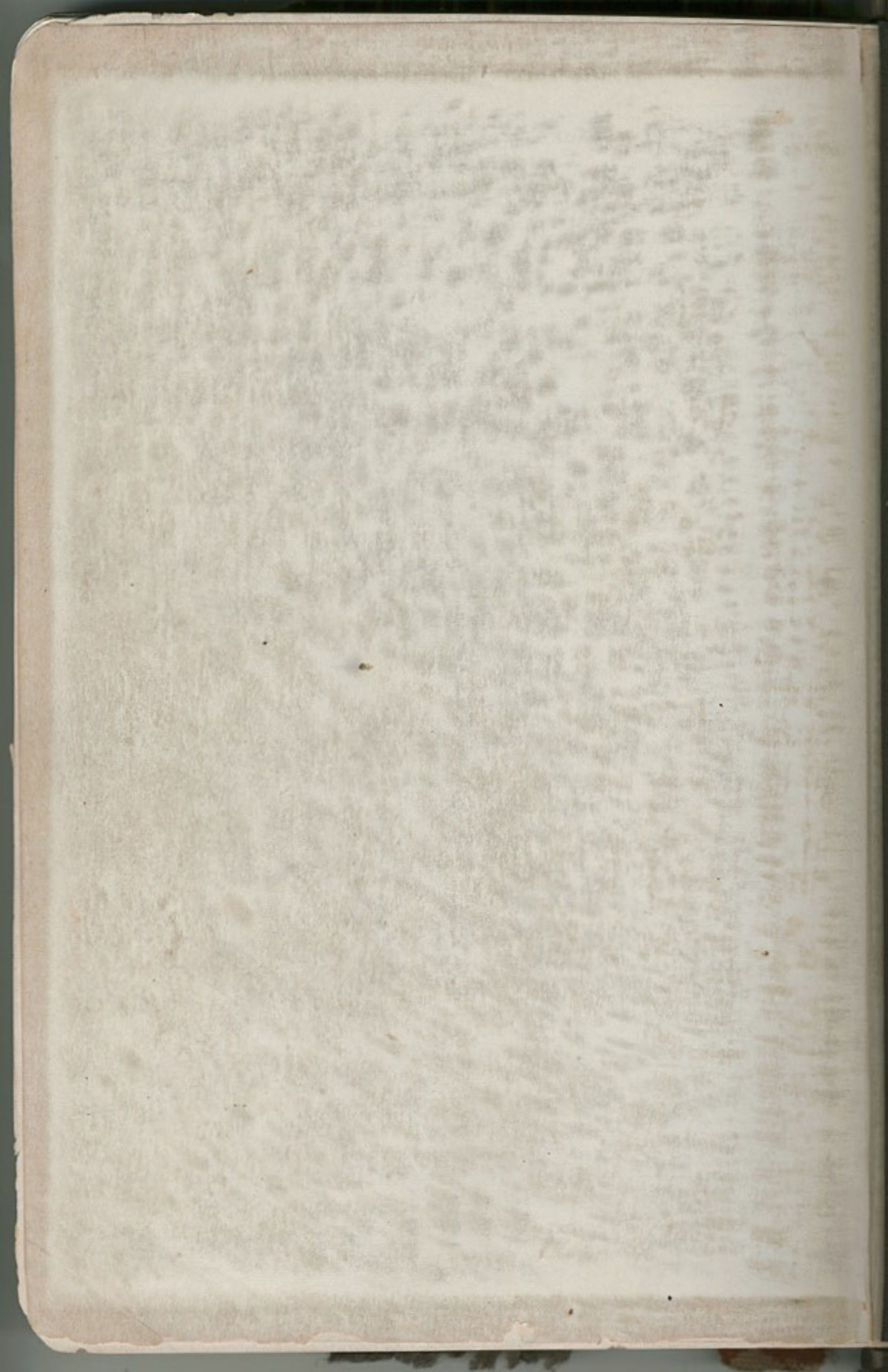






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JUNE 20, 1912 Canada

