

UNION SPECIAL

Industrial Sewing Machines

THE THIRTY-NINE THOUSAND SERIES

List of Parts

Styles in Classes

51800

54100

Catalog No. 96L

**UNION SPECIAL MACHINE COMPANY
CHICAGO**

Catalog No. 96 L

LIST OF PARTS

STYLES IN CLASSES

51800 54100

THE FIFTY THOUSAND SERIES

The parts listed in this catalog are
furnished at list prices for repairs only.

First Edition

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Union Special®

INDUSTRIAL SEWING MACHINES

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LONDON, E. C. 1, ENGLAND, Union Special Machine Co., Ltd., Parksworth House, 30, City Road. Textile Machines.
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 HONOLULU, HAWAII, H. S. Gray Company, P.O. Box 3016, 759 Puuloa Rd. Bag Closing Machines.
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FOREWORD

The dominating idea back of "Union Special" is to build the best industrial sewing machines in the world. Our new line of high speed flat bed machines in Classes 51800 and 54100 is a pronounced achievement along these lines. All parts are made to gauges with exceedingly close limits.

It is our constant aim to furnish carefully prepared information that will enable the customer to secure all possible economies and advantages from the use of Union Specials. On the pages which follow will be found illustrations and descriptions of the parts for styles in Classes 51800 and 54100.

Additional catalogs, containing information relative to these machines, and which will be furnished on request, are listed below:

Catalog No. 29	
Third Edition	List of miscellaneous accessories and transmitter parts.
Catalog No. 45	Needle Manual
Catalog No. 45 A	Price List of Needles
Form 357	Engineering Department
	Adjusting Instructions. Specify the style of machine for which the adjusting instructions are required.

In all manufacturing centers will be found Union Special representatives, who will cooperate with those who desire in planning and estimating their requirements.

UNION SPECIAL MACHINE COMPANY

Engineering Department

IDENTIFICATION OF MACHINES

Each Union Special carries a style number which is stamped in the name plate on the machine. Style numbers are classified as standard and special. Those which are standard have one or more letters suffixed, but never contain the letter "Z". Example: "51800 A". Style numbers containing the letter "Z" are special. When only minor changes are made in a standard machine a "Z" is merely suffixed to the respective standard style number. Example: "51800 AZ".

Styles of machines similar in construction are grouped under a class number which differs from the style number in that it contains no letters. Example: "51800".

APPLICATION OF CATALOG

This catalog applies only to the standard styles of machines as listed herein. It can also be applied with discretion to the special machines in Classes 51800 and 54100.

STYLES OF MACHINES IN CLASS 51800

Enclosed Type Flat Bed, Independent Row Four Needle Machines, Left Needle In Front For Each Pair of Outside Needles, 5/32 Inch Space Between Each Pair of Needles In Line With Feed, Double Locked Stitch Type 401, Lateral Looper Travel

51800 A For attaching bibs to overalls and similar garments made from 2.00 to 4.00 yard Sanforized and non-Sanforized materials; seam Type LSl-4, collapsible folder for strip, capillary oiling system, needles Type 130 G, includes PULLER, standard gauges Nos. 12-56-12, 12-64-12, 16-64-16, 16-76-16.

51800 B Same as Style 51800 A except it is equipped with non-collapsible folder, standard gauges Nos. 12-48-12, 12-56-12, 12-64-12, 16-64-16, 16-76-16.

51800 Z A special style similar to the standard styles in Class 51800, but differing in one or more of its component parts.

STYLES OF MACHINES IN CLASS 54100

Enclosed Type Flat Bed Multiple Needle Machines, Needles Abreast, Chain Stitch Type 101, Loopers Travel In Line With Feed.

54100 B-4 For attaching garment length, single piece extension center plaits to shirts; one operation, finishes operation at neck, four needles, seam Type BSh-4, folder is horn type and makes 1/16 inch seam margins, needles Type 106, capillary oiling system, standard gauges Nos. 12-64-12 and 16-64-16, includes PULLER.

STYLE OF MACHINES IN CLASS 54100 (Cont'd)

- 54100 C-4 For "cut-on" center plait operation on shirts; finishes operation at neck, stitching Type EFb-4, hemmer makes 1/16 inch stitching margins, needles Type 106, capillary oiling system, standard gauges Nos. 12-64-12, and 16-64-16, includes PULLER.
- 54100 D-4 Without puller, otherwise same as 54100 B-4.
- 54100 E-4 Without puller, otherwise same as 54100 C-4.
- 54100 F-4 (Succeeds Styles 16100 K, 54100 B-4). For attaching garment length, single piece extension center plaits to shirts; one operation, finishes operation at neck, four needles, folder is horn type and makes 1/16 inch seam margins, Type 106 needles, enclosed type oiling system for looper drive eccentric and crank, standard gauges Nos. 12-64-12 and 16-64-16, includes PULLER.
- 54100 G-4 (Succeeds Style 54100 C-4). For "cut-on" center plait operation on shirts, finishes operation at neck, four needles, hemmer has 3/64 inch capacity and makes 1/16 inch stitching margins, Type 106 needles, enclosed type oiling system for looper drive eccentric and crank, standard gauges Nos. 12-64-12 and 16-64-16, includes PULLER.
- 54100 H-4 Without puller; otherwise same as 54100 F-4.
- 54100 J-4 Without puller; otherwise same as 54100 G-4.
- 54100 Z A special style similar to the standard styles in Class 54100, but differing in one or more of its component parts.

NEEDLES

TYPE NUMBERS AND SIZES

Each needle has a type number and size number. The former denotes the kind of shank, point, length, groove, finish, and other details. The latter denotes the largest diameter of the blade, measured in thousandths of an inch midway between the shank and eye, and is stamped in the needle shank. Collectively, the type number and size number is the complete symbol.

To have orders promptly and accurately filled, the empty package, a sample needle, or the type and size number should be given. See marks on packages. An intelligent order would read as follows "1000 Needles Type 128 H Size 036". The type numbers of the needles available for use in the styles of machines covered by this catalog are listed below. Set opposite each type number is the description of the needle.

Type No.	Description
106	Round shank, round point, extra short, double groove, ball eye, standard length blade, nickel plated- sizes 027, 029, 032, 036, 038, 040, 042, 044, 049

NEEDLES (Cont'd)

Type No.	Description
106 A	Same as Type 106, except blades are 1/16 inch shorter and shanks are 1/16 inch longer- sizes 032, 036.
106 G	Round shank, round point, extra short, double groove, ball eye, chromium plated- sizes 032, 036, 040, 044.
106 H	Round shank, round point, extra short, double groove, ball eye, ball point, standard length blade, nickel plated- size 040.
108	Round shank, round point, extra short, double groove, ball eye, spotted, nickel plated- sizes 032, 036, 038, 040, 042, 044, 049, 054.
108 G	Round shank, round point, extra short, double groove, ball eye, spotted, chromium plated- sizes 040, 044, 049, 054.
108 H	Round shank, round point, extra short, double groove, ball eye, ball point, spotted, nickel plated- sizes 036, 040.
108 GH	Round shank, round point, extra short, double groove, ball eye, ball point, spotted, chromium plated- sizes 036, 040, 044.
126	Round shank, round point, short, double groove, ball eye, nickel plated- sizes 027, 032, 036, 040, 042, 044, 049, 054.
126 G	Round shank, round point, short, double groove, ball eye, chromium plated- sizes 040, 044, 049.
128	Round shank, round point, short, double groove, ball eye, spotted, nickel plated, standard width of eye and grooves- sizes 032, 036, 040, 044, 049, 054, 060, 067, 080.
128 F	Round shank, round point, short, double groove, ball eye, spotted, nickel plated, under-size eye and grooves, one step reduction- sizes 044, 049, 054.
128 G	Round shank, round point, short, double groove, ball eye, spotted, chromium plated, under-size eye and grooves, one step reduction- sizes 044, 049, 054.
128 H	Round shank, round point, short, double groove, ball eye, spotted, short blade 1/8 inch less than standard, width of eye and grooves under-size one step reduction, ball point, nickel plated- sizes 036, 040, 044, 049.

NEEDLES (Cont'd)

Type No.	Description
128 GA	Round shank, round point, short, double groove, ball eye, spotted, chromium plated, standard width of eye and grooves- sizes 040, 044, 049, 054
128 HA	Round shank, round point, short, double groove, ball eye, spotted, under-size eye and grooves 27% of needle size, ball point, nickel plated- sizes 044, 049, 054.
128 HB	Round shank, round point, short, double groove, ball eye, spotted, under-size eye and grooves 27% of needle size, ball point, chromium plated- sizes 044, 049, 054.
129	Round shank, round point, short, double groove, government, nickel plated- sizes 027, 029, 032, 036, 040, 044, 049.
129 G	Round shank, round point, short, double groove, government, chromium plated- sizes 029, 032, 036, 040.
130	Round shank, round point, short, double groove, ball eye, government, spotted, nickel plated- sizes 036, 040, 044, 049, 054, 060.
130 G	Round shank, round point, short, double groove, ball eye, government, spotted, chromium plated- sizes 044, 049, 054.
130 HA	Round shank, round point, short, double groove, ball eye, government, spotted, ball point, nickel plated- sizes 044, 049, 054.
130 HB	Round shank, round point, short, double groove, ball eye, government, spotted, ball point, chromium plated- sizes 044, 049, 054.
302	Round shank, stay point, extra short, double groove, nickel plated- sizes 032, 036, 040, 042, 044, 049.
907	Round shank, spear point, extra short, double groove, ball eye, nickel plated- sizes 027, 032, 034, 036, 040, 042, 044, 049, 054.
929	Round shank, spear point, short, double groove, ball eye, spotted, nickel plated- sizes 044, 049, 054, 060, 067, 080.

NEEDLES (Cont'd)

APPLICATION OF TYPE NUMBERS TO MACHINES

The standard type of needle applicable to each style is listed in the description of each style. The styles of machines covered by this catalog are listed below. Set opposite each style number is the type number of the needles that can be used. Type numbers are arranged numerically, as the variety of the materials sewed on each machine makes it impractical to show a preference.

Machine Style	Type of Needles
51800 A	126, 126 G, 128, 128 F, 128 G, 128 H, 128 GA, 128 HA, 128 HB, 129, 129 G, 130, 130 G, 130 HA, 130 HB, 929
51800 B	126, 126 G, 128, 128 F, 128 G, 128 H, 128 GA, 128 HA, 128 HB, 129, 129 G, 130, 130 G, 130 HA, 130 HB, 929
54100 B	106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 302, 907
54100 C	106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 302, 907
54100 D	106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 302, 907
54100 E	106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 302, 907
54100 F	106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 302, 907
54100 G	106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 302, 907
54100 H	106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 302, 907
54100 J	106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 302, 907

ORDERING REPAIR PARTS

PLATES

Illustrations of parts are arranged according to scale and, wherever possible, parts similar in appearance or function are grouped together.

When a given design of part is made in two or more sizes, only one illustration is usually shown. In ordering these pieces, it is necessary that the additional information be furnished as requested under these illustrations.

ORDERING REPAIR PARTS (Cont'd)

LIST OF PARTS

Turning from the plates to the list of parts, the description of each part and its principal uses will be found. Always check the symbol against its description before ordering. It is not necessary to furnish the plate number.

When a part is used, or can be used, in all machines covered by this catalog, no specific use is mentioned in the description.

For convenience in ordering, minor parts such as screws, nuts and similar articles are repeated after each major part.

(-) A dash in the "plate number" column of the list of parts indicates the absence of an illustration.

(*) A double dagger in the "symbol to order by" column indicates that the component parts cannot be furnished separately. Due to the high speed of these machines and other factors it is impossible for these associated parts to be fitted a second time and make a serviceable job.

IDENTIFYING PARTS

Where the construction permits, each part is stamped with its part number. Some of the smaller parts are stamped with an identification letter to distinguish them from parts similar in appearance.

All part numbers represent the same part, regardless of the catalog in which they appear.

SUPPLIES

All supplies, including taps, reamers, belting, belt hooks, belt fasteners, screw drivers, wrenches and powdered oil stone will be promptly furnished.

USE GENUINE NEEDLES AND REPAIR PARTS

Success in the operation of these machines can be secured only by the use of genuine Union Special Needles and Repair Parts as furnished by the Union Special Machine Company, its subsidiaries and authorized distributors. They are designed according to the most approved scientific principles, and are made with the utmost precision. The maximum efficiency and durability are assured.

Genuine needles are put up in packages marked at the top "Trade 'UNION SPECIAL' mark". Genuine repair parts are stamped with a reproduction of the familiar Union Special padlocks.

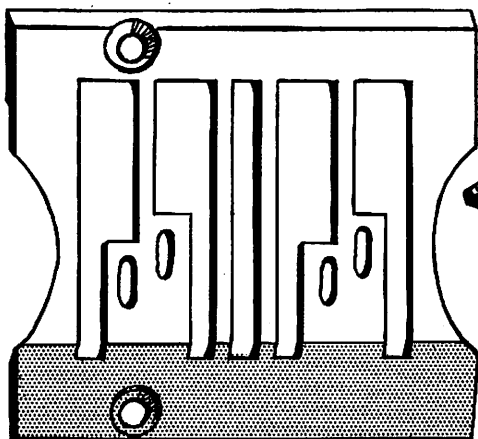


Each trade mark is your guarantee of the highest quality in materials and workmanship.

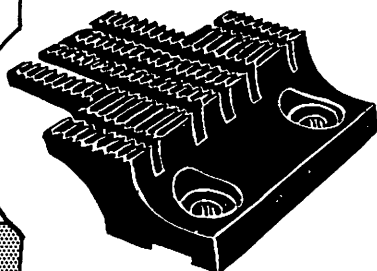
TERMS

Prices are strictly "net cash" and subject to change without notice. All shipments are forwarded at the buyer's risk F.O.B. shipping point. Parcel post shipments are insured unless otherwise directed. A charge is made to cover the postage and insurance.

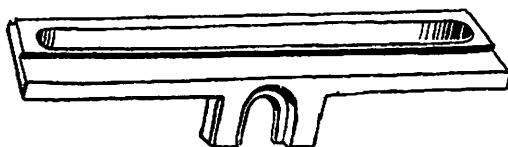
Plate 1 - Full Size



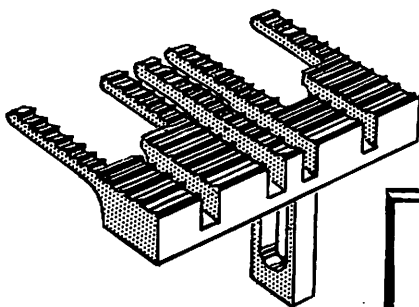
51824
Specify
Gauge



54105C
Specify
Gauge



54139



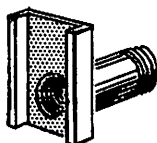
51805
Specify
Gauge



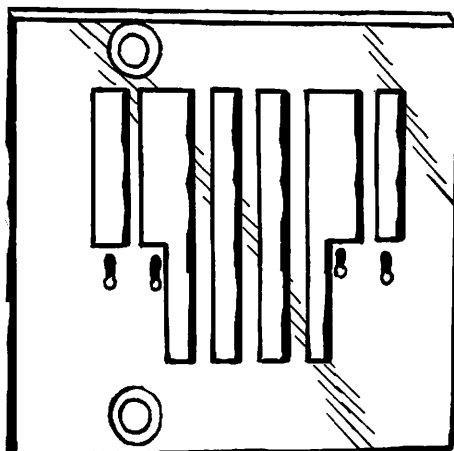
54135



51134 J

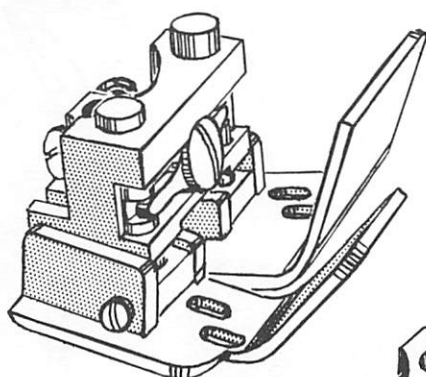


51134 H

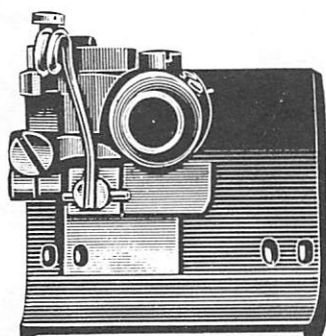


54124 C
Specify
Gauge

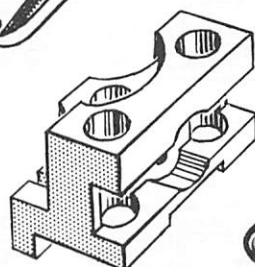
Plate 2 - Full Size



51820
Specify
Gauge



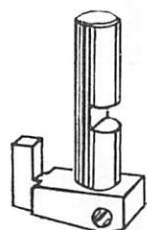
16134K
Specify
Gauge



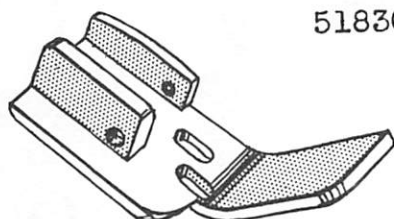
51830



16194



51830 C



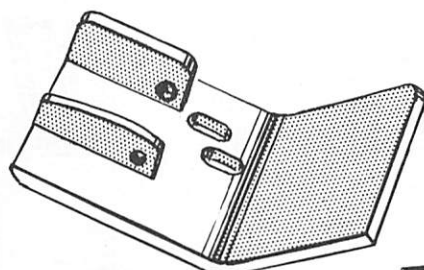
51830 B
Specify
Gauge



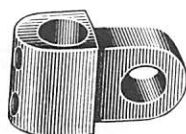
51830 D



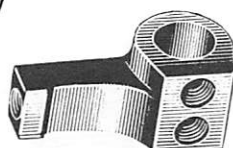
35731A



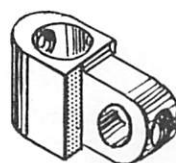
51830 A
Specify
Gauge



35759

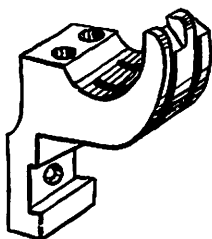


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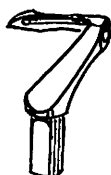


51854

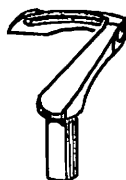
Plate 3 - Full Size



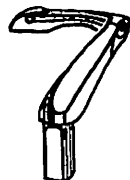
54185
Specy
Gauge



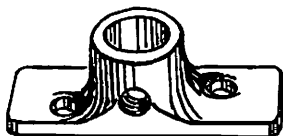
51808



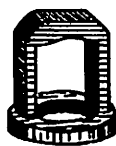
51808 A



51809



51833



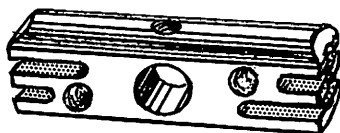
52887G



51283B



54108A



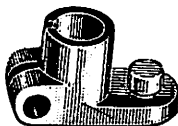
51818
Specy
Gauge



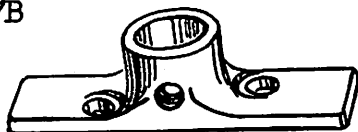
52887 N



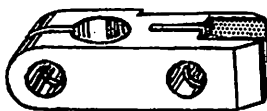
61267G



21657B



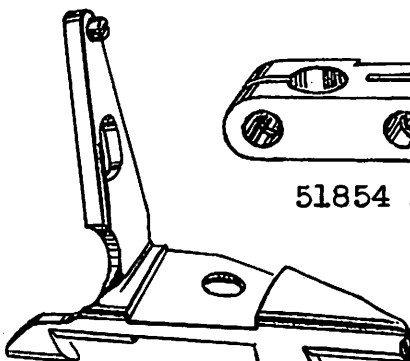
51833 A



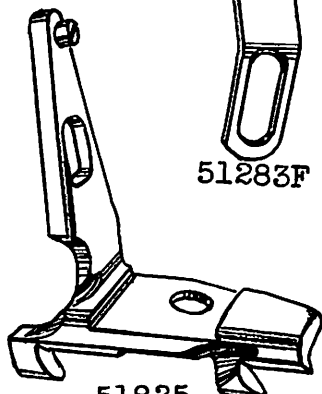
51854 A



51283F



51825 A



51825

Plate 4 - Full Size



Plate 5 - Full Size

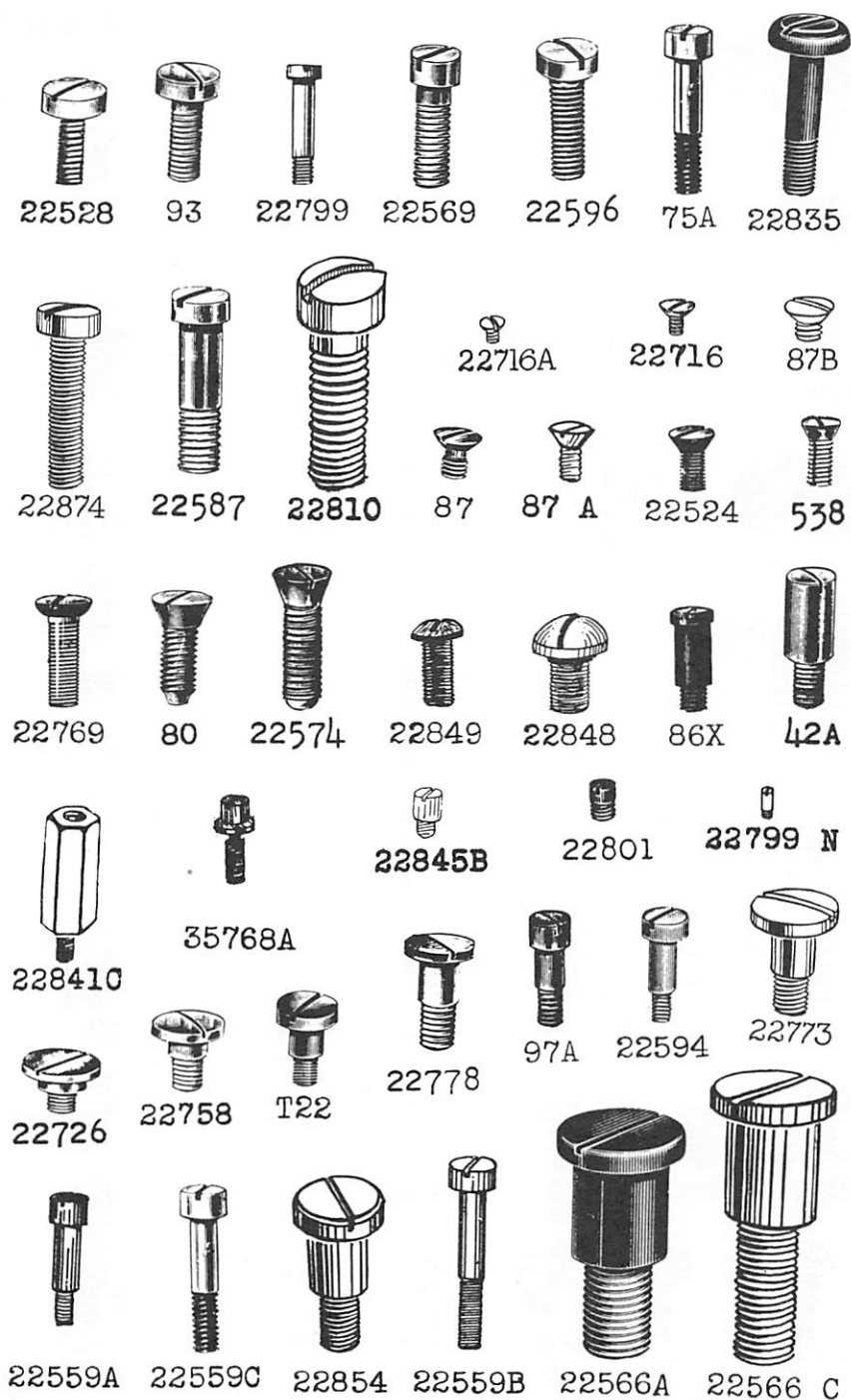


Plate 6 - Full Size



22824A



22515



22519



303



22519C



22852 A



12993A



22864



22795



22863



22834



22837



22632F-24



69FD



402



1332



201C



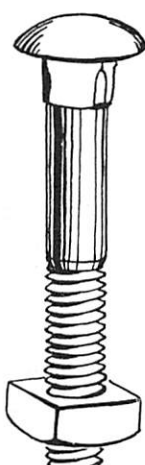
22637A



22637D



22637B



650 X
Specify
Length



650
Specify
Length



51236C

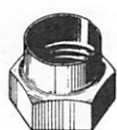


51462A



52841

Plate 7 - Full Size



15430C



660-75



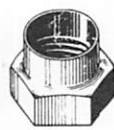
61294X



51292C



11638M



15430D



35733B



21104H



43266



52834N



108



51170D



12538



18



7947



269



258



14077



1280



258 A



34



51959D



51250C



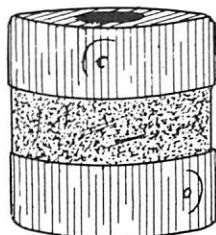
35569 J



12987A



21350



51295



51296A



51296



HA86B



8372A



51741E



21657E



9255



20



652
Specify
Size



652 C-9



1248



51235G



28577



51854 C



39236A



660-92

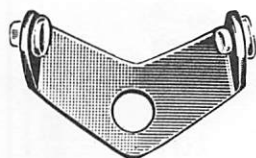


660-93

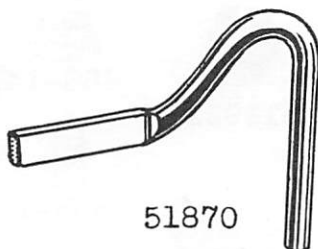


6042A

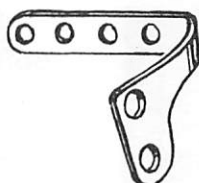
Plate 8 - Full Size



51292D



51870



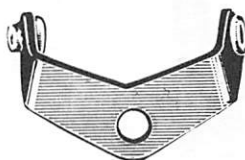
51859



54134N



51758A



51292 E



16197-2-16



51459A



51491C



51170C



51859 A



54158



51858



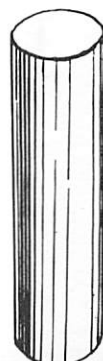
54158A



52A



7459A



21693H

Plate 9 - Full Size

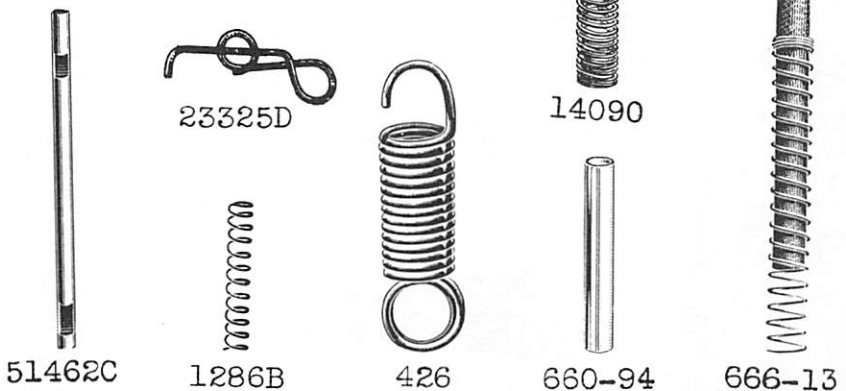
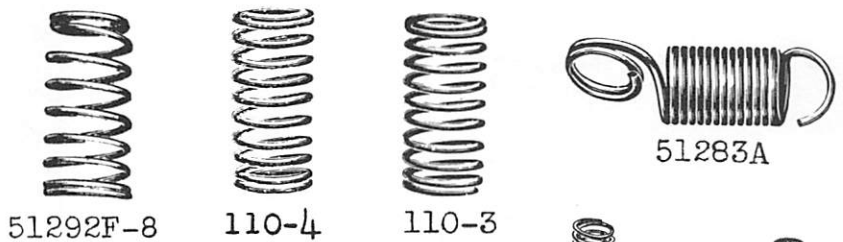
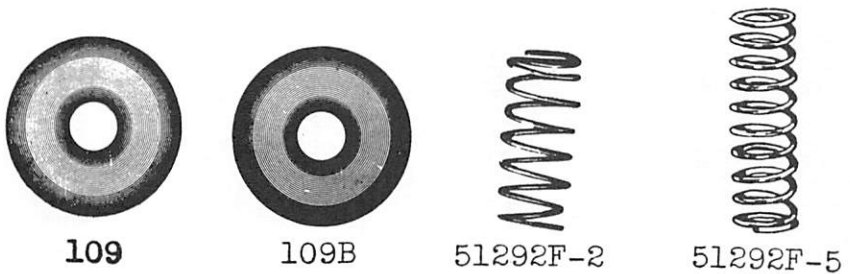


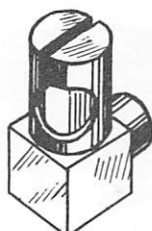
Plate 10 - Full Size



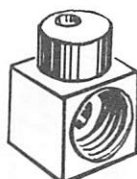
51582



39193 A



39193



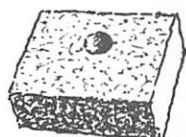
39193B



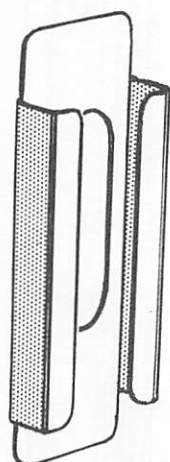
21657 Q



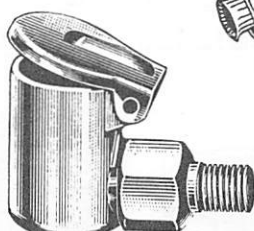
51243R



51582 A



51582 B



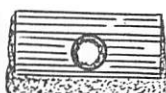
666-28



52894 Z



21192R



51245 A



666-50



660-143

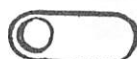


51293B

12964C



51294F



54143 F



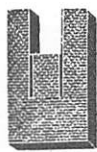
28619



660-95



666-19



660-90



666-49

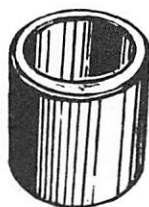


666-82



666-66

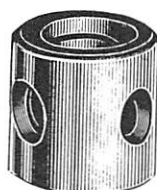
Plate 11 - Full Size



51290 K



51242Q



51290D



51242 B



51290



52889



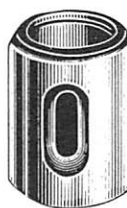
35731B



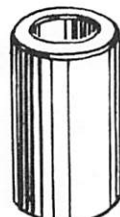
51854 B



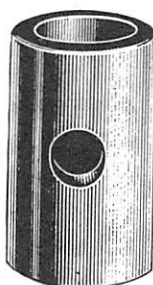
51242C



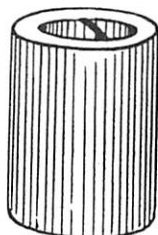
51244E



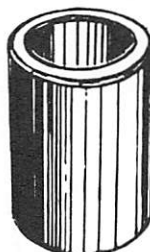
51888 A



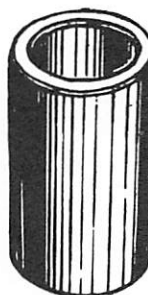
51290A



51290 E



51290 J



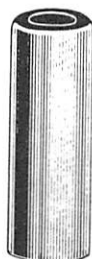
51290 L



54142



51250A



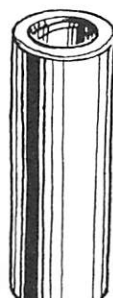
51254A



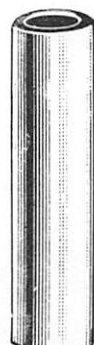
51254



51257D

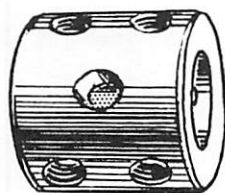


53556C



51257C

Plate 12 - Full Size



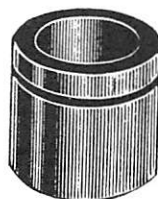
54195



51147



51773



51250B



16



51236A



1286



1286 A



15465F



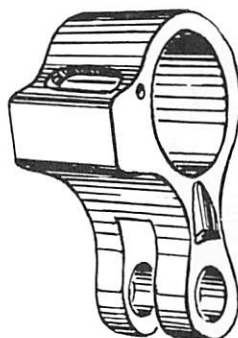
51770
Specify
Gauge



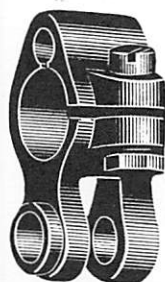
51771



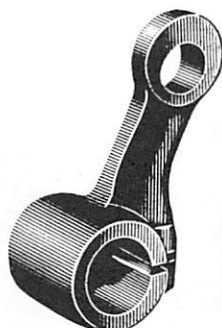
51245



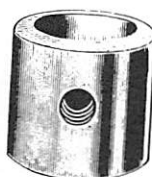
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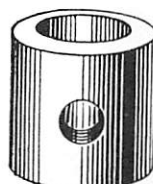
51236



51244B

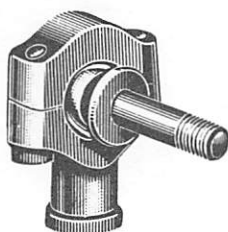


43

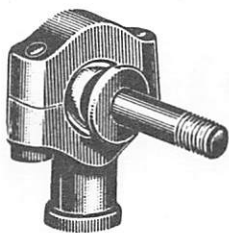


43C

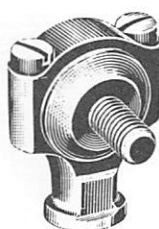
Plate 13 - Full Size



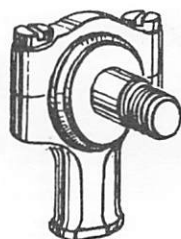
51741



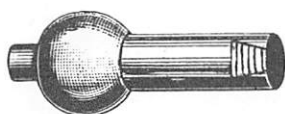
55641



51741B



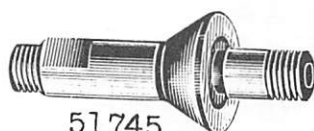
51741C



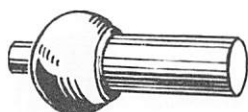
51243B



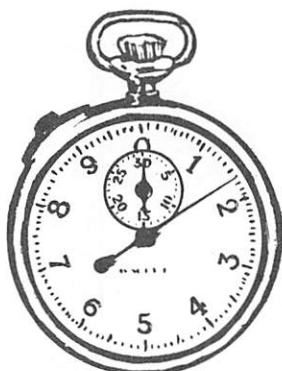
51243C



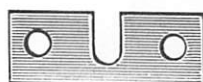
51745



55243 A



WA15



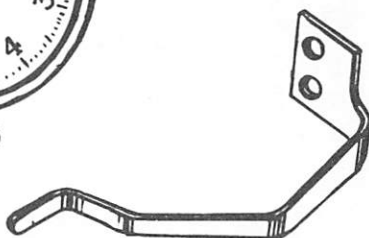
51236B



41047



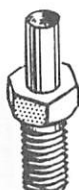
21351



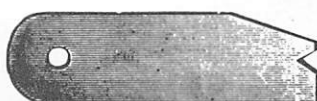
23454L



51462B

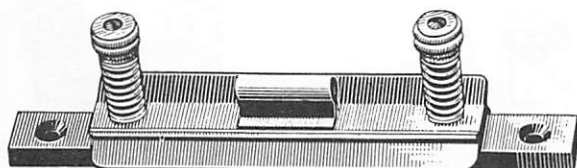


4952 C



21225
Specify
Measurement

Plate 14 - One-Half Size



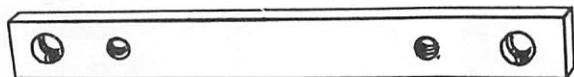
21182N



21657M



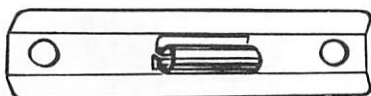
21657D



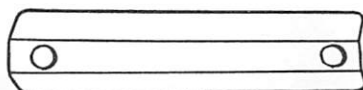
21182P



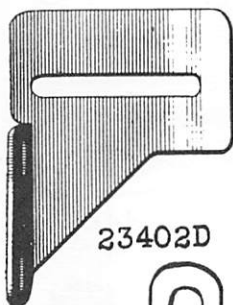
21657C



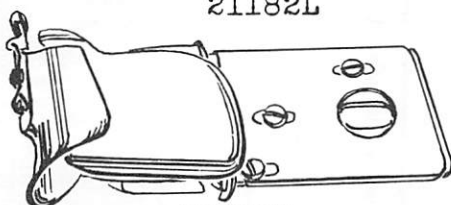
21182K



21182L



23402D



23325R

Specify

Gauge and Capacity



53592



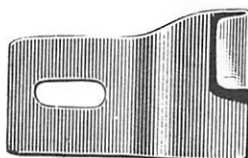
21657-4



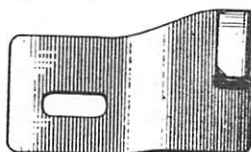
52992



23454G



23404B



23404



23454K



23325M



23454H

Plate 15 - One-Half Size

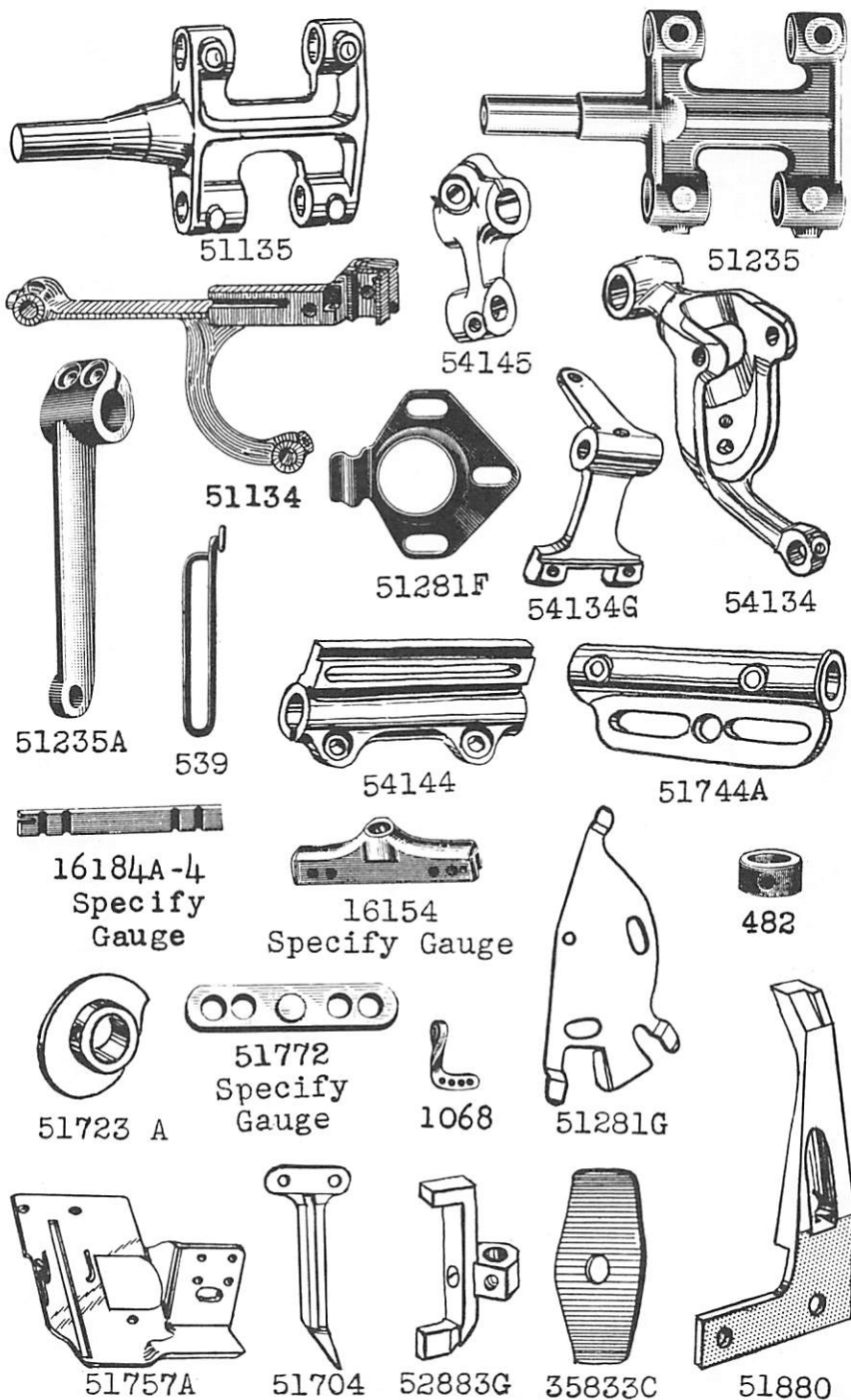
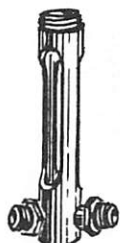


Plate 16 - One-Half Size



660-136



52895 G



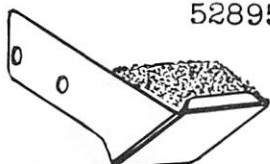
51743G



52894 Y



660-138



21396AW



21396BK



52795



660-81



666-29



51243K



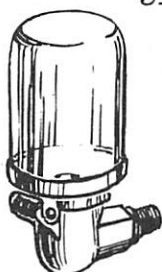
51243L



51243N



51293K



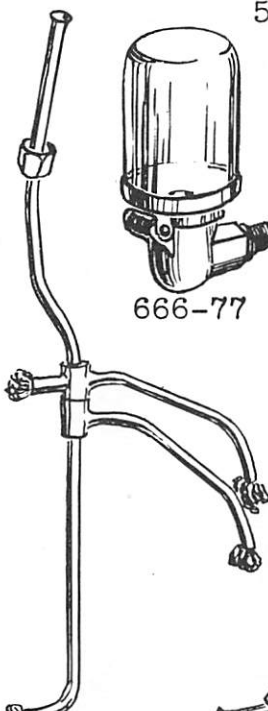
666-77



43294D



51293A



51293P



51293Q



21388



118B

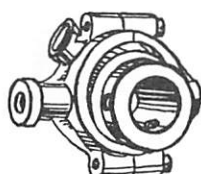


21207

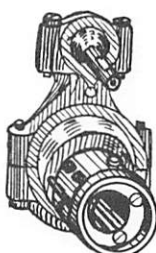
Plate 17 - One-Half Size



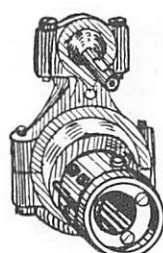
29105S



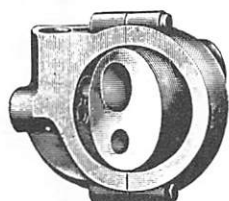
29138R



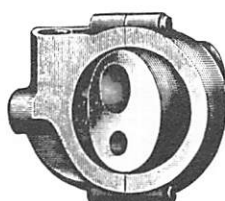
29105L



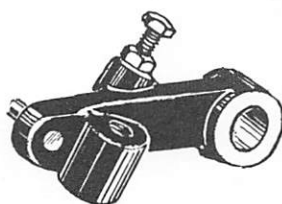
29105N



29138 H



29138 J



21693G



29066F



29066 N



51216A



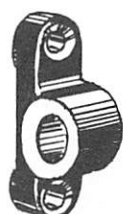
29192 K



51813



21693K



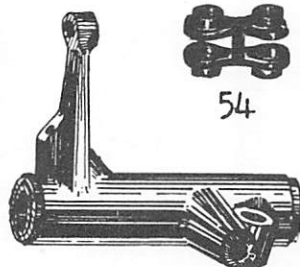
21693D



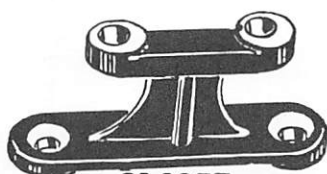
21693F



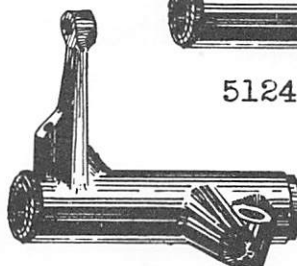
54



51242U



21693T



51242T

Plate 18 - One-Half Size

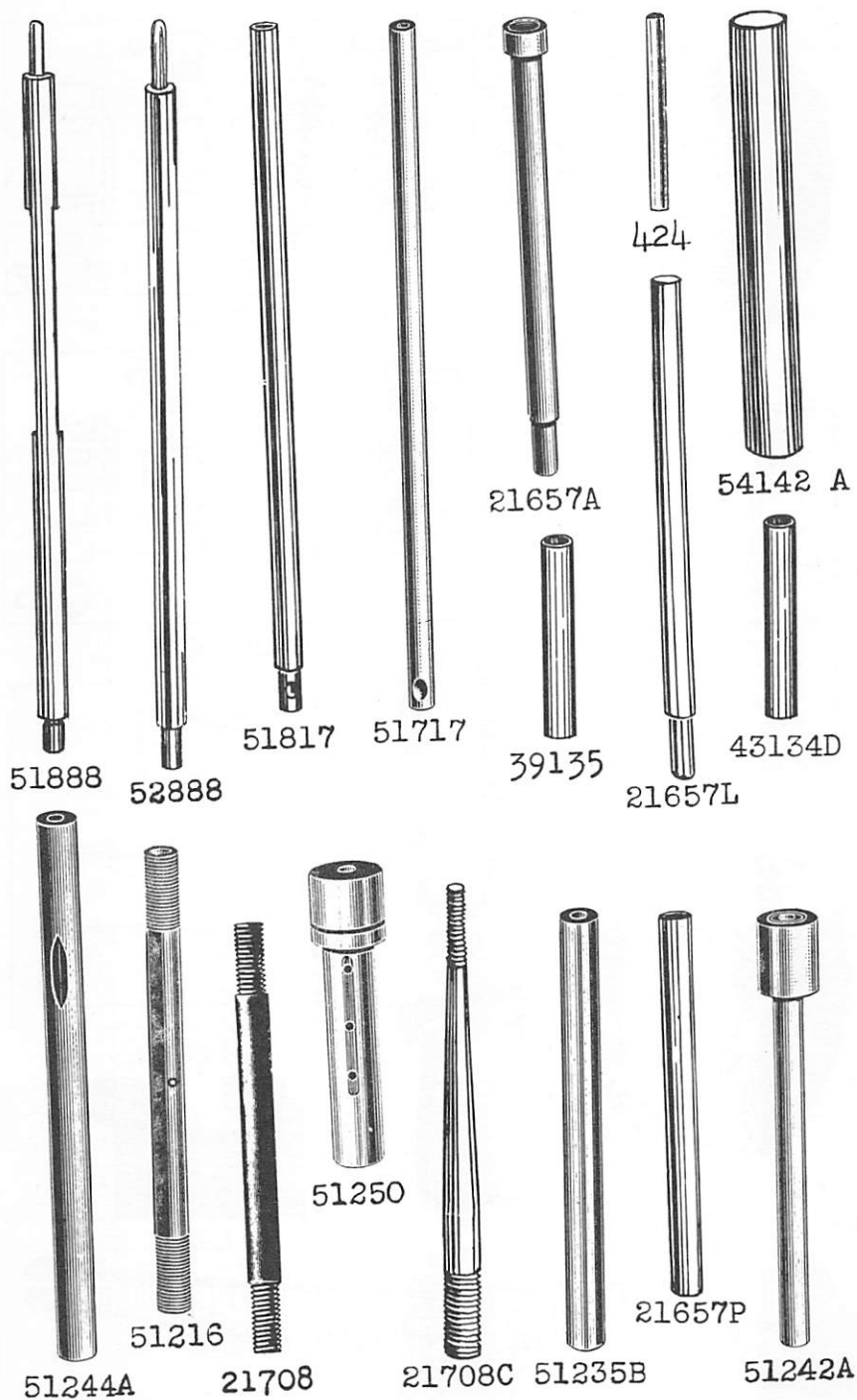
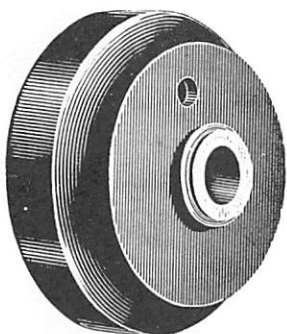
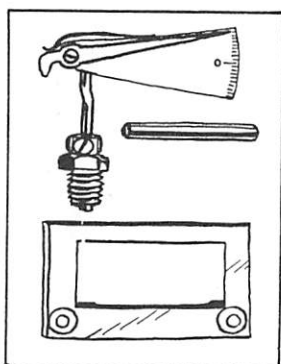


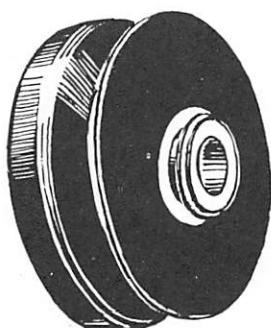
Plate 19 - One-Half Size



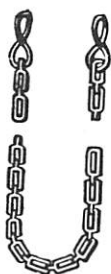
51321A



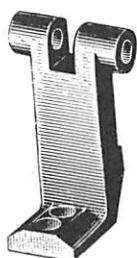
21227R



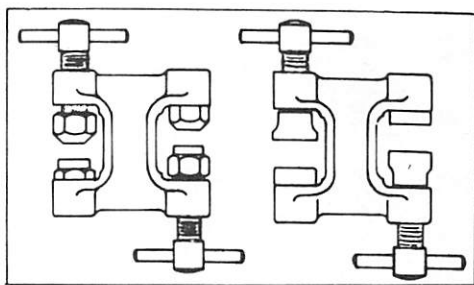
51321B



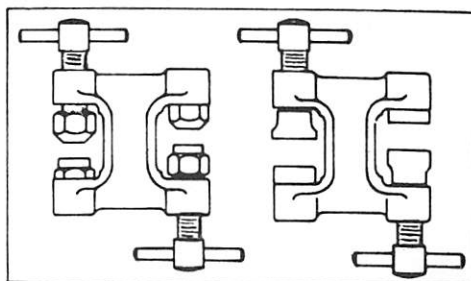
421



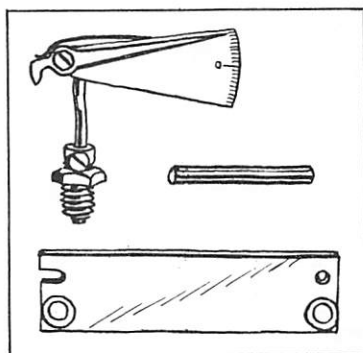
51462



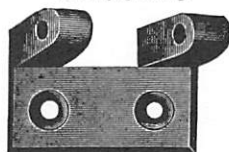
21227HK



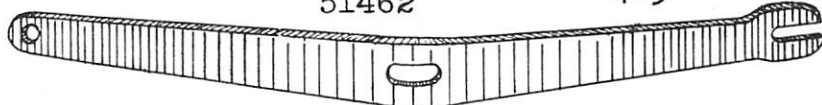
21227HH



21227AC

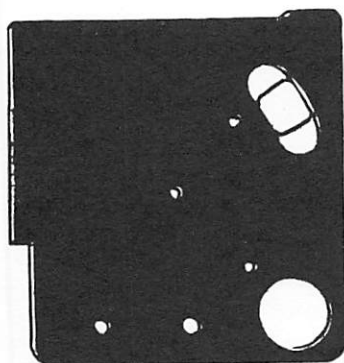


423

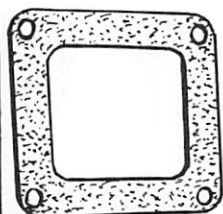


52887

Plate 20 - One-Half Size



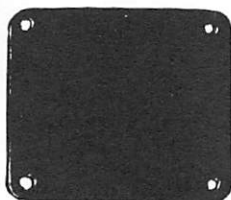
51281J
Specify
Minor
Symbol



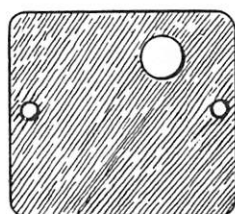
51282U



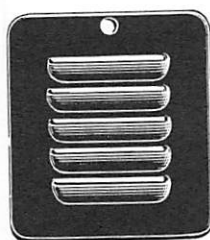
51282B



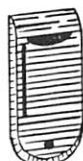
51282T



51282 H



51282



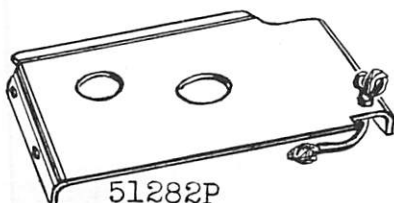
51202



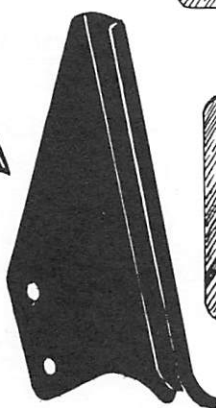
52882 D



51282F



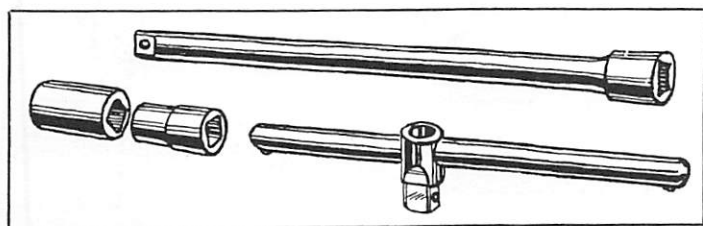
51282P



51891



52882 B

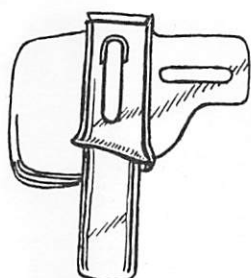


21388AE

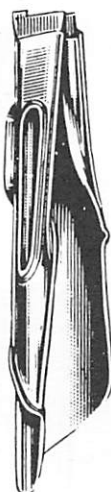


35788B

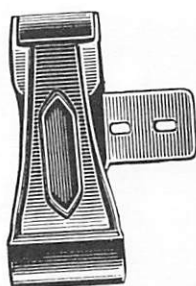
Plate 21 - One-Fourth Size



23168N



23406 D-1 1/2



23293D
Specify
Gauge



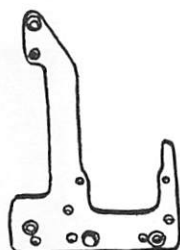
23406C-1 5/8



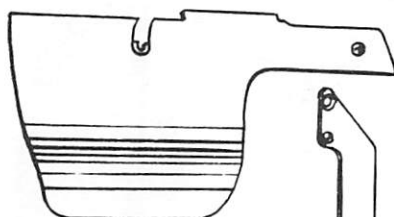
23293M
Specify
Gauge



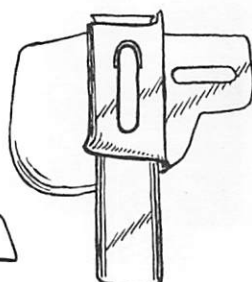
23293N



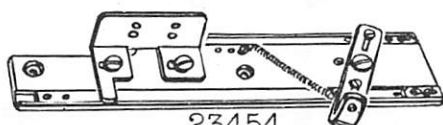
54180



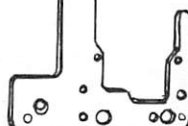
23325S



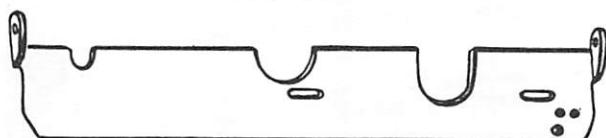
23168P



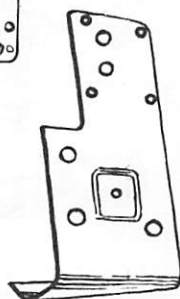
23454



51780A

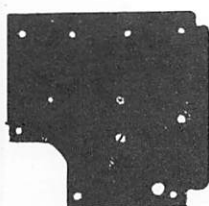


23454J

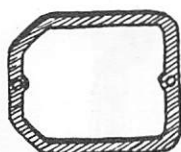


54143D

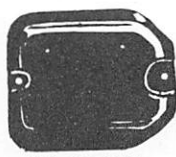
Plate 22 - One-Fourth Size



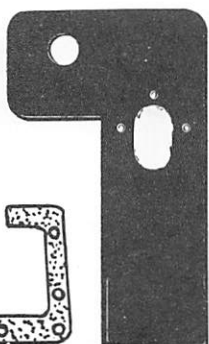
K61390



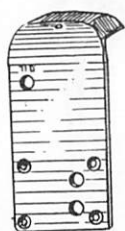
52882E



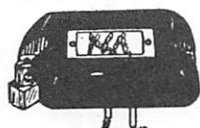
51282E



51281
Specify
Length



52894 G



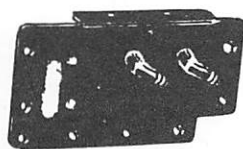
51282 J



51282S



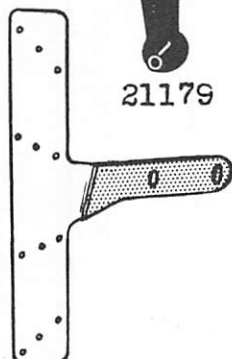
51282R



51282Q



51290 N



51891 A-4



21179



51294A



21693C



43294A



51190D



21693 L



21685



666-16



51290P



21262H
Specify Length



660-167

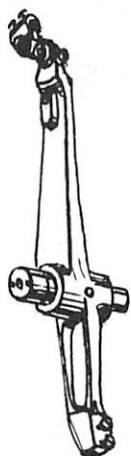


21375AH

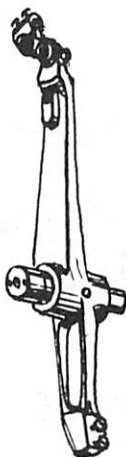
Plate 23 - One-Fourth Size



51215 H



29348 L



29348 K



51215 F



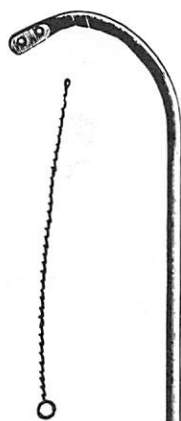
29476AZ



29476 AE



29476 AG



51899



21693J



413



21236



100 B

Plate 24 - One-Fourth Size



54122



21104B
Specify
Length



9939F



51244K



51722



51283E



Y503
Specify Size

Y500
Specify
Size

Y502
Specify
Size

Y505
Specify
Size

Y506
Specify
Size

Plate 25 - One-Fourth Size



21204



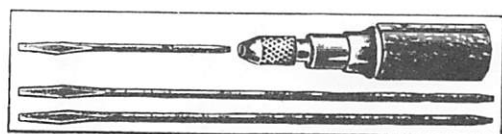
21203



21205A



21202



21208



21201



422

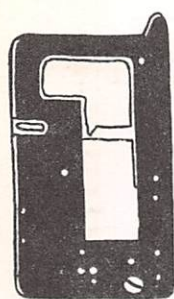


21396 BJ

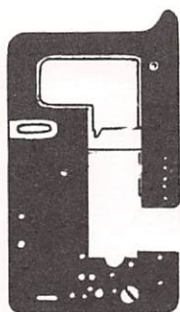


29402

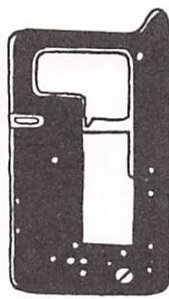
Plate 26 - One-Eighth Size



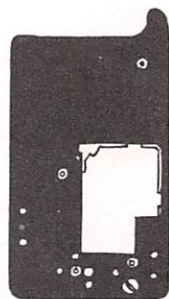
51301A



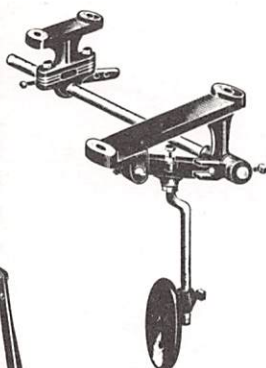
51801



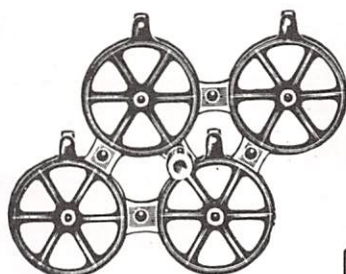
54101



54101A



21693A



21130A-4



51283



21385B



21693B



69 S



21104V



21114 A



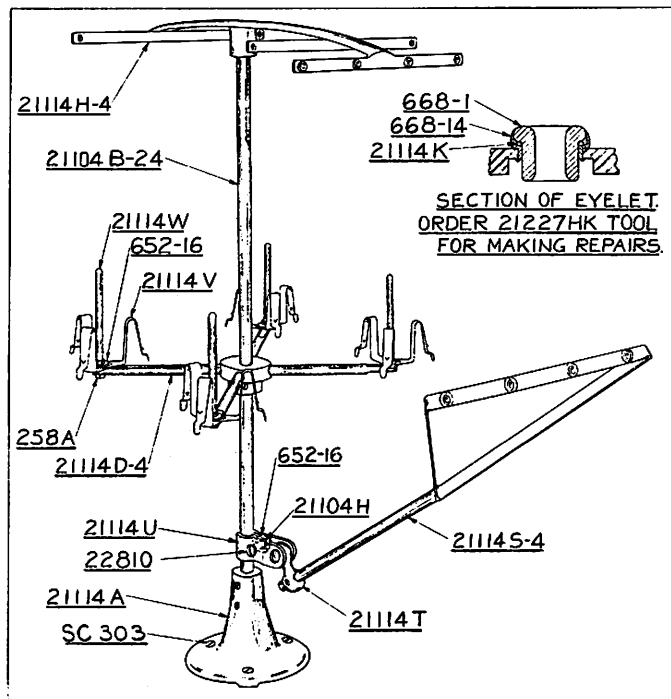
51743F



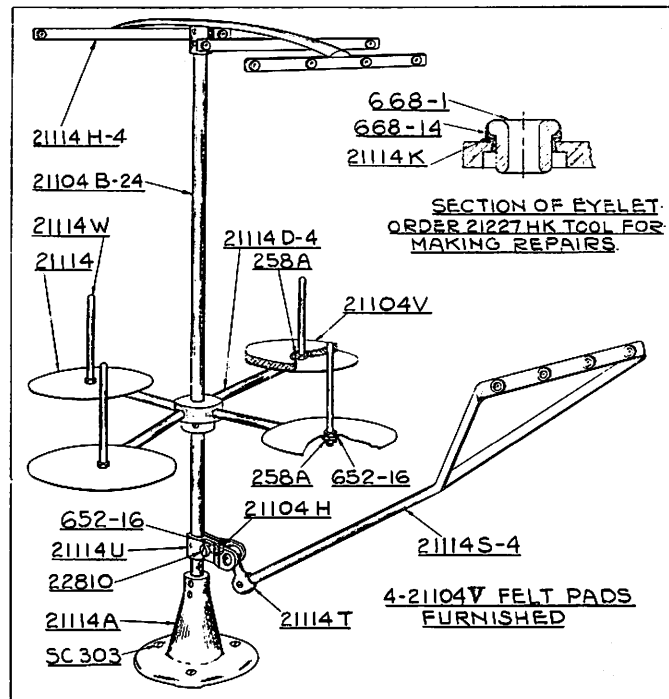
21178A



54196A



ASSEMBLY N^o 2110IG-4



ASSEMBLY N^o 2110IH-4

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
WA15	Stop Watch - - - - -	13
16	Feed Crank Link Ferrule- - - - -	12
18	Looper Connecting Rod Nut, right thread, for styles in Class 51800- - - - -	7
20	Feed Crank Stud Washer; also for Nos. 539, 51858	7
T22	Screw, for feed dogs on styles in Class 54100- -	5
25 C	" 9/32 inch long, for cloth plate attachments - - - - -	4
28	" for cast-off plate on styles in Class 51800 - - - - -	4
28 C	Set Screw, for needles on styles in Class 54100	4
34	Nut, for interlocking arm on knee press assembly No. 21693 A; also for No. 21693 K- - - - -	7
42 A	Stud, for collapsing device spring on styles in Class 51800- - - - -	5
43	Feed Lift Eccentric, also looper avoid eccentric, for styles in Class 51800 (spot screw No. 96)- - - - -	12
43 C	Feed Lift Eccentric, for styles in Class 54100 (spot screw No. 96)- - - - -	12
52 A	Frame Thread Eyelet, for styles in Class 54100 (screw No. 98 A) - - - - -	8
54	Needle Lever Link- - - - -	17
TA55	Hand Tachometer, 300 to 12000 R.P.M. - - - -	-
69 S	Spool Pin, 4 inches long, for Style "C" thread stand- - - - -	26
69 FD	Screw, square head, cup point, 5/16 inch diameter, 18 threads per inch, 5/8 inch long, for thread stand seat; also for Nos. 21693 F, 21693 K- - - - -	6
73	Set Screw, for loopers on styles in Class 51800	4
73 A	Screw, for needle holder thread eyelet on styles in Class 54100- - - - -	4
75 A	" for needle lever connecting rod bearing, lower - - - - -	5
77	Set Screw, for feed crank link pin, upper needle lever link pin; also for Nos. 51236 A, 54108 A	4
78	Set Screw, for lower needle lever link pin - - -	4
79	Screw, for looper thread eyelet stand on styles in Class 51800- - - - -	4
80	" for cloth plates; also for throat plate supports- - - - -	5
81	Spot Screw, for puller eccentric on styles in Class 51800, Styles 54100 B, 54100 C, 54100 F, 54100 G- - - - -	4
86 X	Presser Foot Hinge Stud, for styles in Class 54100- - - - -	5
HA86 B	Washer, for cloth guard on styles in Class 51800	7
87	Screw, for throat plates on styles in Class 51800; also for No. 52883 G - - - - -	5
87 A	" countersunk head, for oil reservoir cover on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	5

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
87 B	Screw, for throat plates on styles in Class 54100	5
87 U	" for looper thread eyelet and frame thread eyelet; also for yielding guide spring on upper folder on styles in Class 51800 - - -	4
88	" for needle stop plate on styles in Class 51800; also for Nos. 15465 F, 16134 K - - -	4
88 A	Set Screw, for needle bar; also for No. 51293 P - -	4
88 B	Screw, for looper rocker frame spacing collar on styles in Class 51800- - - - -	4
89	Spot Screw, for needle holders; also for No. 52883 G- - - - -	4
90	Screw, for crankshaft chamber cover, rear; also for Nos. 23454 G, 23454 H, 23454 L, 51282, 51870 - - - - -	4
93	" for belt guard; also for Nos. 51244 B, 51743 F, 51854 A, 54134, 54196 A- - - - -	5
94	" for feed dog holder on styles in Class 54100; also for Nos. 7459 A, 51282 P- - - -	4
95	" for main shaft collar; also for Nos. 21703 H, 21703 J, 21703 P - - - - -	4
96	Spot Screw, for feed lift and looper avoid eccentrics; also for Nos. 51243 P, 51723 A, 51744 A, 52743, 52840 G, 54195- - - - -	4
97	Screw, for needle lever and looper drive lever ball stud guide fork- - - - -	4
97 A	" for needle lever connecting rod bearing - -	5
98	Set Screw, for feed rocker shaft collar; also for Nos. 51135, 51235, 51243 P, 51744 A, 52743, 52840 G, 54195 - - - - -	4
98 A	Screw, for frame thread eyelets- - - - -	4
100 B	Thread Stand Wire, 16 inches long, for Style "C" thread stand (set screw No. 22632 F-24)- - - -	23
107	Strip Tension Ferrule, for styles in Class 51800	9
108	" " Nut, for styles in Class 51800 - - -	7
109	Tension Disc, with contact surface 5/64 inch wide, for machines using needle thread the equivalent in size of No. 50 and smaller- - - - -	9
109 B	" " with contact surface 1/8 inch wide, for machines using needle thread the equivalent in size of No. 40 and larger - - - - -	9
110-3	Tension Spring, .040 inch diameter, for strip tension assembly on styles in Class 51800 - - - -	9
110-4	Tension Spring, .048 inch diameter, for tape reel axle - - - - -	9
118 B	Thread Tweezers- - - - -	16
187 A	Screw, for crankshaft chamber cover oil drip plate on Styles 54100 F, 54100 G, 54100 H, 54100 J; also for yielding guide on upper folder on styles in Class 51800- - - - -	4
201 C	Thumbscrew, for lower tape reel axle - - - - -	6

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts are are not to be used in ordering. Prices furnished on application.	Plate No.
226	Pivot Screw, for collapsible folder operating rod on Styles 54100 B, 54100 D, 54100 F, 54100 H- - - - -	4
258	Nut, for strip collapsing device mounting bracket stud on Style 51800 A - - - - -	7
258 A	" for presser spring regulating stud; also for Nos. 15465 F, 21114 W, 51134 H- - - - -	7
269	Stitch Regulating Nut; also for Nos. 21708 C, 41047- - - - -	7
303	Screw, for needle bar guide on styles in Class 51800- - - - -	6
402	Stud, for lifter lever link on styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J; also hinge stud for collapsible folder mounting bracket on Style 51800 A - - - - -	6
413	Oil Can, complete- - - - -	23
421	Lifter Lever Chain, 38 inches long - - - - -	19
422	Lifter Treadle (screw No. 22813) - - - - -	25
423	" " Base- - - - -	19
424	" " Pin (set screw No. 22813) - - - - -	18
426	Lifter Lever Spring, for styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J (screw No. 22773 on styles in Class 51800, screw No. 22778 on styles in Class 54100) - - - - -	9
482	Feed Rocker Shaft Collar; also looper rocker shaft collar, for styles in Class 54100 (set screw No. 98)- - - - -	15
Y500-257	Expansion Reamer, for needle bar bearings, size .257 inch - - - - -	24
Y502-319	" " for upper presser bar bearing, size .319 inch- - - - -	24
Y503-319	" " for lower presser bar bearing, size .319 inch- - - - -	24
Y505-407	" " for looper rocker and feed rocker shaft bearings, size .407 inch- - - - -	24
Y506-530	" " for main shaft bearings, size .530 inch - - - - -	24
538	Screw, for supporting feed dogs on styles in Class 51800- - - - -	5
539	Frame Thread Eyelet, for styles in Class 54100 (screw No. 22848)- - - - -	15
605	Screw, for chamber oil reservoir cover plate on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E; also for No. 16194- - - - -	4
605 A	" for adjusting presser foot yielding section spring on styles in Class 54100	4
650-10	Stove Bolt, flat head, 1/4 x 1 1/4 inches, for knee press shaft bracket, rear - - - - -	6

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
650 X-18	Carriage Bolt, 5/16 x 2 1/4 inches, for attach- ing "Electro Drive" - - - - -	6
650 X-22	" " 5/16 x 2 3/4 inches, for attach- ing "Electro Drive" - - - - -	6
650 X-32	" " 5/16 x 4 inches, for attaching "Electro Drive" - - - - -	6
652-16	Washer, 1/4 inch for thread stand lead eyelet ball socket screw on Styles "G" and "H" thread stands - - - - -	7
652 C-9	Shake-proof Lock Washer, for needle bar eyelet	7
660-75	Nut, used with Nos. 21192 R or 28619 balls for plugging hole in oil reservoir on machines equipped with puller - - - - -	7
660-81	Oil Drain Extension Pipe, for machines with Class 21700 puller - - - - -	16
660-90	Felt Wiper, for looper drive eccentric connec- tion on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	10
660-92	Leather Washer, upper, 3/16 inch hole, for main shaft oil gauge on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - -	7
660-93	Leather Washer, lower, 1/4 inch hole, for main shaft oil gauge on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - -	7
660-94	Glass Tube, for main shaft oil gauge on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	9
660-95	Cap, for main shaft oil gauge on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	10
660-136	Oil Tube, for feed crank link on styles in Class 51800 (nut No. 12987 A) - - - - -	16
660-138	Oil Tube, for feed crank link on styles in Class 54100 (nut No. 12987 A) - - - - -	16
660-143	Oil Tube, for looper drive eccentric on Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	10
660-167	Idler Pulley, for knee press chain on Styles 51800 A - - - - -	22
666-13	Oil Wicking, spring pressed, for main shaft bearings - - - - -	9
666-16	Oil Drain Reservoir, glass - - - - -	22
666-19	Oil Wicking, for needle lever connecting rod bearing, lower; also for feed crank link - -	10
666-28	Oil Cup, for needle lever stud (nut No. 12987A)	10
666-29	Oil Wicking, for needle lever stud - - - - -	16
666-49	Glass Tube, for crank chamber oil reservoir sight gauge on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	10
666-50	Oil Cup, for upper oil reservoir cover on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	10

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
666-66	Oil Tube, for looper drive eccentric on styles in Class 51800 - - - - -	10
666-77	Constant Level Oiler, for Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	16
666-77 A	Top, for constant level oiler - - - - -	—
666-77 B	Spring and Hinge Pin, for constant level oiler - - - - -	—
666-77 C	Gasket, for constant level oiler- - - - -	—
666-82	Felt, for feed lift and looper avoid eccen- tric bearings on styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J	10
668-1	Steel Insert, 17/64 inch long, for thread lead-in eyelet; also for Nos. 21114 H, 21114 S- - - - -	9
668-7	" " 5/32 inch long, for tension thread eyelets- - - - -	9
668-12	Steel Insert Locking Ferrule, for tension thread eyelets- - - - -	9
668-14	Steel Insert Locking Ferrule, for thread lead-in eyelet; also for Nos. 21114 H, 21114 S - - - - -	9
719	Screw, for needle lever stud; also for No. 51250 B - - - - -	4
1068	Frame Thread Eyelet, for styles in Class 51800 (screw for attaching to frame, No. 98 A, for attaching to oil reservoir cover, No. 87 U) - - - - -	15
1096 B	Set Screw, for needle seat block on styles in Class 54100 - - - - -	4
1248	Feed Crank Link Shim, leather - - - - -	7
1280	Nut, for looper rocker stud on styles in Class 51800; also for No. 22854 - - - - -	7
1286	Needle Lever Link Pin Assembly; also feed crank link pin assembly; one each Nos. 1286 A, 1286 B, 12964 C, 22560- - - - -	12
1286 A	Needle Lever Link Pin; also feed crank link pin (set screw for needle lever upper link pin, No. 77, clamp screw for needle lever upper link pin, No. 22864, clamp screw nut No. 51250 C, set screw for needle lever lower link pin, No. 78, set screw for feed crank link pin, No. 77) - - - - -	12
1286 B	Needle Lever Link Pin Spring; also feed crank link pin spring (screw No. 22560) - - - - -	9
1332	Stop Screw, for lifter lever on styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J; also screw pin for operating collapsible folder on Styles 54100 B, 54100 D, 54100 F, 54100 H- - - - -	6
1346	Strip Tension Post, for styles in Class 51800	9
4952 C	Regulating Stud, for strip collapsing device mounting bracket on Style 51800 A (nut No. 258)- - - - -	13

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in order- ing. Prices furnished on application.	Plate No.
6042 A	Washer, for cloth plate cover spring on Styles 54100 F, 54100 G, 54100 H, 54100 J (screw No. 22726) - - - - -	7
7459 A	Spring, for looper thread eyelet stand on styles in Class 51800 (screw No. 94) - - - - -	8
7947	Feed Crank Link Nut - - - - -	7
8372 A	Washer, for looper drive lever ball joint locking stud on styles in Class 51800 - - - - -	7
9255	Washer, for collapsible folder on Styles 54100 B, 54100 D, 54100 F, 54100 H - - - - -	7
9939 F	Looper Rocker Shaft, for Styles 54100 B, 54100 C, 54100 D, 54100 E	24
11638 M	Nut, for main shaft oil gauge assembly on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E; also for No. 21396 BJ - - - - -	7
12538	Looper Drive Lever Ball Stud Nut, for styles in Class 51800; also for strip collapsing device attaching screw No. 22548 - - - - -	7
12935 A	Adjusting Screw, for supplementary throat plate support on styles in Class 51800 - - - - -	4
12964 C	Needle Lever Link Pin Ball; also feed crank link pin ball - - - - -	10
12986 B	Pivot Stud, for collapsible scroll on Styles 54100 B, 54100 D, 54100 F, 54100 H - - - - -	4
12987 A	Nut, for needle lever stud oil cup; also for Nos. 660-136, 660-138 - - -	7
12993 A	Screw, for interlocking arm stop on knee press assembly No. 21693 A; also for No. 21693 K - - - - -	6
14077	Looper Rocker Ball Stud Nut, for styles in Class 51800 - - - - -	7
14090	Looper Thread Nipper Spring, for styles in Class 51800 - - - - -	9
15430 C	Needle Lever Connecting Rod Nut, left thread; also for Nos. 21708, 21708 C	7
15430 D	Needle Lever Connecting Rod Nut, right thread; also for Nos. 21693 J, 21708, 22566 C - - - - -	7
15465 F	Looper Rocker Cone, for styles in Class 51800 (screw No. 88, nut No. 258 A) - - - - -	12
16134 K-12-64-12	Presser Foot, for No. 12-64-12 gauge on styles in Class 54100 (set screw No. 88, hinge stud No. 86 X, yield- ing section spring No. 16194, (Cont'd)	

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in order- ing. Prices furnished on application.	Plate No.
16134 K-12-64-12	yielding section spring attaching screw No. 605, yielding section spring adjusting screw No. 605 A)	2
16134 K-16-64-16	Presser Foot, for No. 16-64-16 gauge	2
16154-12-64-12	Needle Holder, for No. 12-64-12 gauge on styles in Class 54100 (spot screw No. 89) - - - - -	15
16154-16-64-16	Needle Holder, for No. 16-64-16 gauge	15
16164	Strip Tension Post Ferrule, for styles in Class 51800 - - - - -	9
16184 A-4-12-64-12	Needle Seat Block, for No. 12-64-12 gauge on styles in Class 54100 (set screw No. 1096 B) - - - - -	15
16184 A-4-16-64-16	Needle Seat Block, for No. 16-64-16 gauge - - - - -	15
16194	Presser Foot Yielding Section Spring, for styles in Class 54100 (attach- ing screw No. 605, adjusting screw No. 605 A) - - - - -	2
16197-2-16	Needle Holder Thread Eyelet, for styles in Class 54100 (screw No. 73 A) - - - - -	8
21101 G-4	Thread Stand Assembly, Style "G", for use with three and four cones; one each Nos. 21114 D-4, 21104 B-24, 21104 H, 21114 A, 21114 H-4, 21114 S-4, 21114 T, 22810; two No. 21114 U; four No. 21114 W; five No. 652-16; eight No. 258 A; twelve No. 21114 V - - - - -	27
21101 H-4	Thread Stand Assembly, Style "H", for use with three and four spools; one each Nos. 21114 D-4, 21104 B-24, 21104 H, 21114 A, 21114 H-4, 21114 S-4, 21114 T, 22810; two No. 21114 U; four each Nos. 21104 V, 21114, 21114 W; five No. 652-16; eight No. 258 A - - - - -	27
21104 B-11	Thread Stand Rod, 11 inches long, for Style "C" thread stand (set screw No. 22591) - - - - -	24
21104 B-24	Thread Stand Rod, 24 inches long, for Styles "G" and "H" thread stands (set screw No. 22591) - - - - -	24
21104 H	Nut, for lead eyelet socket ball on Styles "G" and "H" thread stands - -	7
21104 V	Felt Pad, 5 1/4 inches diameter, for spool seat disc, on Style "H" thread stands - - - - -	26
21114	Spool Disc Seat, for Style "H" thread stands - - - - -	27

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
21114 A	Thread Stand Base (set screw No. 22591) - - -	26
21114 D-4	Seat, for four cones on Styles "G" and "H" thread stands (set screw No. 22591 A) - - -	27
21114 H-4	Eyelet Support, for four cones on Styles "G" and "H" thread stands - - - - -	27
21114 K	Insert Gasket, for eyelet support on Styles "G" and "H" thread stands - - - - -	27
21114 S-4	Lead Eyelet, adjustable, for four cones on Styles "G" and "H" thread stands (insert No. 668-1, insert locking ferrule No. 668-14, insert gasket No. 21114 K) - - - -	27
21114 T	Lead Eyelet Socket Ball, for Styles "G" and "H" thread stands (screw No. 22591) - - - -	27
21114 U	Lead Eyelet Ball Split Socket, half section, for Styles "G" and "H" thread stands (clamp screw No. 22810, nut No. 21104 H, washer No. 652-16) - - - - -	27
21114 V	Cone Holder Spring, for Style "G" thread stand - - - - -	27
21114 W	Spool Pin, for Styles "G" and "H" thread stands (nut No. 258 A) - - - - -	27
21130 A-4	Thread Stand Seat, four spools, for Style "C" thread stand - - - - -	26
21178 A	Tape Reel Disc, 11 inch diameter, for Style 51800 B - - - - -	26
21179	Tape Reel Disc Frame, for use with eleven inch disc on Style 51800 B - - - - -	22
21182 K	Strip Tension Plate, outer, for styles in Class 51800- - - - -	14
21182 L	" " " inner, for styles in Class 51800- - - - -	14
21182 N	Strip Tension Assembly, for styles in Class 51800; one each Nos. 21182 K, 21182 L, 21182 P; two each Nos. 107, 108, 110-3, 1346, 16164 - - - - -	14
21182 P	Strip Tension Base, for styles in Class 51800	14
21192 R	Steel Ball, for opening in main oil reservoir on Styles 54100 F, 54100 G- - - - -	10
21201	Screw Driver, 9/64 inch round blade, length overall 7 5/8 inches- - - - -	25
21202	" " 7/32 inch round blade, length overall 11 1/4 inches - - - - -	25
21203	" " 13/64 inch round blade, length overall 15 1/2 inches - - - - -	25
21204	" " 9/32 inch round blade, length overall 15 inches - - - - -	25
21205 A	" " 3/8 inch round blade, length overall 14 inches - - - - -	25
21207	" " 7/64 inch round blade, length overall 2 1/2 inches- - - - -	16
21208	Screw Driver Set, three detachable blades - -	25
21225-1/8	Looper Adjusting Gauge, 1/8 inch measurement	13

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
21227 R	Gauge, for synchronizing looper and needle motions on machines with throat plates 2 1/4 inches long; component parts are shipped in leather case- - - - -	19
21227 AC	Gauge, for synchronizing looper and needle motions on machines equipped with throat plates 3 1/8 inches long; component parts are shipped in leather case- - - - -	19
21227 HH	Eyelet Insert Replacement Tool Set, for assembling 1/16 inch internal diameter steel inserts No. 668-7 and locking ferrules No. 668-12 in tension thread eyelet assembly. Ferrules should always be replaced- - - - -	19
21227 HK	Eyelet Insert Replacement Tool Set, for assembling 1/8 inch internal diameter steel inserts No. 668-1 and locking ferrules No. 668-14 in thread lead-in eyelet assembly; also for Nos. 21114 H-4, 21114 S-4. Ferrules should always be replaced- - - - -	19
21233 N	Connector, with BX cable for D.C. "Electro Drives"- - - - -	—
21233 P	" with BX cable for single and three phase A.C. "Electro Drives"- - - - -	—
21233 X	Light Fixture Assembly, including bulb and blue lens, table mounting, for machines driven by "Electro Drive"- - - - -	—
21233 Y	Light Fixture Assembly, including bulb and clear lens- - - - -	—
21233 Z	" " " including bulb, without lens- - - - -	—
21236	Belt Plier, for 3/8 inch and smaller round belting- - - - -	23
21260	Emery Cord, 3/64 inch diameter, grade No. 120, fifty yard spool- - - - -	—
21260 A	" " 3/64 inch diameter, grade No. 150, fifty yard spool- - - - -	—
21260 B	" " 1/32 inch diameter, grade No. 180, fifty yard spool- - - - -	—
21260 C	" " .025 inch diameter, grade No. 200, fifty yard spool- - - - -	—
21260 D	Emery Tape, 3/32 inch wide, grade No. 180, fifty yard spool- - - - -	—
21260 E	Emery Cord, .018 inch diameter, grade No. 200, fifty yard spool- - - - -	—
21261	Leather Belt, flat, 1 inch wide, 63 inches long, includes belt fastener No. 21350- - - - -	—
21262	Leather Belt, round, 9/32 inch diameter, 44 inches long, includes wire belt hook No. 21351- - - - -	—

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in order- ing. Prices furnished on application.	Plate No.
21262 H-340	"V" Belt, No. 2 size, 34 inches outside circumference - - - - -	22
21262 H-350	" " 35 inches outside circumference	22
21262 H-370	" " 37 inches outside circumference	22
21262 H-380	" " 38 inches outside circumference	22
21300 C-5 3/4	Carriage Bolt, countersunk head 3/8 x 5 3/4 inches, for table tops- - -	—
21350	Belt Fastener, malleable iron, for 1 inch flat belt - - - - -	7
21351	Belt Hook, wire, for 9/32 inch round belt	13
21375 AH	Belt Guard (screw No. 93) - - - - -	22
21385 B	Lower Tape Reel Axle, for Style 51800 B (thumbscrew No. 201 C)- - - - -	26
21388	Wrench, single end, 3/8 inch opening- - -	16
21388 AE	Socket Wrench Assembly, for 9/32 inch and 3/8 inch hexagonal nuts, for looper lever ball stud locking stud and tilt- ing feed mechanism- - - - -	20
21394	Utility Grinder, including emery wheel, 5 inch diameter, 1/4 inch face, round belt drive, recommended speed 3000 RPM	—
21394 G	Emery Wheel, 5 inch diameter, 1/4 inch face, 3/8 inch hole, grade "M" emery 60	—
21394 H	Emery Wheel, 5 inch diameter, 1/2 inch face, 3/8 inch hole, grade "M" emery 60	—
21394 K	Utility Grinder, including emery wheel, 5 inch diameter, 1/2 inch face, round belt drive, recommended speed 3000 RPM	—
21396 AW	Thread Lubricating Cup, for styles in Class 51800 (screw No. 22848) - - - - -	16
21396 BJ	Needle Thread Lubricator Oil Reservoir, for styles in Class 51800 (nut No. 11638 M)- - - - -	25
21396 BK	Thread Oiler Bracket, for styles in Class 51800 (screw No. 22848) - - - - -	16
21657-4	Tension Release Disc Separator- - - - -	14
21657 A	Tension Release Rock Shaft, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E- - - - -	18
21657 B	Tension Release Rock Shaft Connection (clamp screw No. 22585) - - - - -	3
21657 C	Tension Release Rock Shaft Connection (clamp screw No. 22596, stud No. 22594)	14
21657 D	Tension Release Rock Shaft Lever Link, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E (screw No. 22515) - - - - -	14
21657 E	Washer, for cast-off plate support on styles in Class 51800 - - - - -	7
21657 L	Tension Release Rock Shaft, for Styles 54100 F, 54100 G, 54100 H, 54100 J- - -	18

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
21657 M	Tension Release Rock Shaft Lever Link, for styles 54100 F, 54100 G, 54100 H, 54100 J (screw No. 22515)- - - - -	14
21657 P	Tension Release Lever Shaft Bushing, for Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	18
21657 Q	Tension Release and Lifter Lever Connecting Stud, for styles in Class 51800- - - - -	10
21685	Knee Press Plate, for assembly No. 21693 A (screw No. 69 FD)- - - - -	22
21693 A	Knee Press Assembly, for Style 51800 A; one each Nos. 15430 D, 21685, 21693 B, 21693 C, 21693 D, 21693 F, 21693 G, 21693 H, 21693 J, 21693 K, 21693 T, 22622; two each Nos. 34, 69 FD, 650-10, 12993 A; four No. 28577- - - - -	26
21693 B	Knee Press Shaft, for assembly No. 21693 A - - -	26
21693 C	Knee Press Shaft Bracket, front, for assembly No. 21693 A- - - - -	22
21693 D	Knee Press Shaft Bracket, rear, for assembly No. 21693 A (bolt No. 650-10, compensating washer No. 28577) - - - - -	17
21693 F	Knee Press Interlocking Forked Arm, for assembly No. 21693 A (set screw No. 69 FD)- - - - -	17
21693 G	Knee Press Interlocking Arm, with engaging pin, for assembly No. 21693 A (set screw No. 22622, stop screw No. 12993 A, lock nut No. 34) - - -	17
21693 H	Knee Press Interlocking Arm Pivot Pin, 1 5/8 inches long, for assembly No. 21693 A- - - -	8
21693 J	Knee Press Plate Rod, for assembly No. 21693 A (lock nut No. 15430 D) - - - - -	23
21693 K	Knee Press Chain Arm, for assembly No. 21693 A (set screw No. 69 FD, stop screw No. 12993 A, lock nut No. 34) - - - - -	17
21693 L	Knee Press Chain, for Style 51800 A- - - - -	22
21693 T	Knee Press Shaft Hanger Spacing Block, for assembly No. 21693 A - - - - -	17
21701 A	Base Plate, for machines equipped with Class 21700 puller - - - - -	—
21708	Puller Driving Eccentric Connecting Rod, for styles in Class 51800, Styles 54100 B, 54100 C (nut, left thread, No. 15430 C, nut, right thread, No. 15430 D) - - - - -	18
21708 C	Puller Driving Eccentric Connecting Rod, for Styles 54100 F, 54100 G (nut, large, No. 15430 C, nut, small, No. 269)- - - - -	18
22513	Screw, for presser bar connection guide plates	4
22515	Stud, for tension release rock shaft lever link	6
22517	Screw, for looper holder frame on styles in Class 54100- - - - -	4
22519	Set Screw, hexagonal head, for needle lever ball stud on Styles 54100 B, 54100 C, 54100 D, 54100 E- - - - -	6
22519 C	Clamp Screw, for feed rocker arm - - - - -	6

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
22524	Screw, countersunk head, for oil reservoir top cover on Styles 54100 F, 54100 G, 54100 H, 54100 J- - - - -	5
22528	Screw, for needle lever ball stud on styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J; also for feed dogs on styles in Class 51800, Nos. 51757 A, 51891 A-4 - - - -	5
22539 A	Plug Screw, for bed on styles in Class 51800 - -	4
22539 C	" " for bolt hole in cloth plates; also frame plug screw on Styles 54100 F, 54100 G, 54100 H, 54100 J- - - - -	4
22548	Screw, for strip collapsing device on styles in Class 51800; also for Nos. 23293 N, 23454 K, 51880- - - - -	4
22559 A	Bearing Screw, lower, for looper drive lever connection - - - - -	5
22559 B	Bearing Screw, upper, for looper drive lever connection - - - - -	5
22559 C	Screw, for puller drive eccentric connection on Styles 54100 F, 54100 G - - - - -	5
22560	" for needle lever link pin spring; also for feed crank link pin spring- - - - -	4
22560 A	Set Screw, headless, for adjusting feed dog holder on Styles in Class 54100 - - -	4
22560 B	" " headless, for presser bar guide; also for Nos. 51134, 51462 B, 54134, 54134 G, 54145- - - - -	4
22561	Screw, for adjustable stop on upper folder on styles in Class 51800 - - - - -	4
22565 C	" for needle bar head on styles in Class 51800 - - - - -	4
22565 D	" for needle bar head on styles in Class 51800 - - - - -	4
22566 A	Stud, for lifter lever on styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J	5
22566 C	" for lifter lever on Styles 54100 B, 54100 C, 54100 D, 54100 E (nut No. 15430 D)	5
22569	Screw, for feed crank link; also for No. 51245	5
22569 B	" for main shaft bearing housing- - - - -	4
22570	" for adjustable guide on upper folder on styles in Class 51800 - - - - -	4
22571 A	Plug Screw, for spring pressed felt wick on main shaft bearings and main shaft oil reservoir- -	4
22574	Screw, 21/32 inch long, for cloth plate on Styles 54100 F, 54100 G, 54100 H, 54100 J- - -	5
22580	Set Screw, for shielded disc take-up - - - - -	4
22584	" " for presser feet on styles in Class 51800 - - - - -	4
22585	Clamp Screw, for tension release rock shaft connection - - - - -	4
22585 A	Screw, fillister head, for oil reservoir top cover on Styles 54100 F, 54100 G, 54100 H, 54100 J- - - - -	4

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Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
22585 B	Screw, for needle guard on styles in Class 51800 - - - - -	4
22586	Plug Screw, for puller eccentric bearing on Styles 54100 F, 54100 G - - - - -	4
22587	Screw, for puller drive eccentric connection on styles in Class 51800, Styles 54100 B, 54100 C - - - - -	5
22594	Stud, for tension release rock shaft lever - -	5
22596	Clamp Screw, for tension release rock shaft lever; also for oil drain support - - - - -	5
22597	Spot Screw, for pulley - - - - -	4
22597 A	Set Screw, for pulley; also for Nos. 51242 A, 51242 B - - - - -	4
22622	" " for knee press interlocking arm on assembly No. 21693 A - - - - -	4
22632 F-24	" " flat head, cup point, 3/16 inch diameter, 3/8 inch long, 24 threads per inch, for thread stand wires on Style "C" thread stands	6
22637 A	Screw, 1 1/2 inches long, for fastening machine to puller base plate on styles in Class 51800, Styles 54100 B, 54100 C, 54100 F, 54100 G - - - - -	6
22637 B	Screw, 2 1/2 inches long, for fastening machine to puller base plate - - - - -	6
22637 D	Screw, 1 3/4 inches long, for fastening machine to puller base plate - - - - -	6
22711	Screw, for looper thread guard on styles in Class 51800 - - - - -	4
22716	Screw, for looper drive eccentric oil disc on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	5
22716 A	Screw, for looper drive eccentric oil disc washer on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	5
22726	Screw, for cloth plate cover spring on Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	5
22726 A	Screw, for cloth plate cover spring on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	4
22730	Screw, for folder on Styles 54100 B, 54100 D, 54100 F, 54100 H; also for needle thread guide wire on styles in Class 51800 - - - - -	4
22747	Screw, for looper holder and needle guard on styles in Class 54100 - - - - -	4
22758	Screw, for presser foot equalizer link on styles in Class 51800 - - - - -	5
22758 B	Screw, for lifter lever link on styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	4
22768	Screw, for stitch regulator stud cap; also for Nos. 54158, 54158 A - - - - -	4

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
22769	Screw, for crank chamber oil tube clamp on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	5
22773	Screw, for lifter lever spring on styles in Class 51800 - - - - -	5
22778	Screw, for lifter lever spring on Styles 54100 F, 54100 G, 54100 H, 54100 J- - - - -	5
22795	Stitch Regulator Stud - - - - -	6
22799	Hinge Screw, for presser feet on styles in Class 51800 - - - - -	5
22799 N	Screw, for cloth plate slide on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	5
22801	Stop Screw, for stitch regulating stud; also pivot screw for needle guard on styles in Class 51800 - - - - -	5
22810	Clamp Screw, for thread stand lead eyelet ball socket on Styles "G" and "H" thread stands (washer No. 652-16) - - - - -	5
22813	Screw, headless, for lifter treadle pin - - - - -	4
22824 A	" for oil reservoir top cover on Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	6
22829	Locking Screw, for looper rocker cone nut on styles in Class 51800 - - - - -	4
22834	Screw, for regulating needle guard on styles in Class 51800- - - - -	6
22835	" for looper rocker link on styles in Class 51800- - - - -	5
22837	Thumbscrew, for face plate- - - - -	6
22840	Adapter Screw, for frame thread eyelets - - - - -	4
22841 C	Cloth Plate Support Stud, for styles in Class 51800 - - - - -	5
22845 B	Pivot Screw, for cloth plate cover spring on Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	5
22848	Screw, for frame needle thread eyelets; also for Nos. 21396 BK, 51282 Q, 51282 R - - - - -	5
22849	Screw, for crank chamber cover, upper; also for Nos. 51833, 51833 A - - - - -	5
22852 A	Screw, for looper driving arm on styles in Class 54100 - - - - -	6
22854	Screw, for cloth guard and upper folder on styles in Class 51800 - - - - -	5
22863	Adjusting Screw, for feed dog holder on styles in Class 51800- - - - -	6
22864	Needle Lever Link Pin Clamp Screw, for use with lynite needle levers- - - - -	6
22874	Screw, for oil reservoir baffle plate on Styles 54100 F, 54100 G- - - - -	5
23168 N	Folder, for 1 1/2 inch "cut-on" center plait on No. 12-64-12 gauge Styles 54100 C, 54100 E, 54100 G, 54100 J (screw No. 25 C) - - - - -	21

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Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
23168 P	Folder, for 1 5/8 inch "cut-on" center plait on No. 16-64-16 gauge Styles 54100 C, 54100 E, 54100 G, 54100 J (screw No. 25 C) - - - - -	21
23293 D-80	Lower Folder, for No. 12-56-12 gauge Style 51800 B - - - - -	21
23293 D-88	" " for No. 12-64-12 gauge - -	21
23293 D-96	" " for No. 16-64-16 gauge - -	21
23293 D-108	" " for No. 16-76-16 gauge - -	21
23293 M-80	" " for No. 12-56-12 gauge Style 51800 A - - - - -	21
23293 M-88	" " for No. 12-64-12 gauge - -	21
23293 M-96	" " for No. 16-64-16 gauge - -	21
23293 M-108	" " for No. 16-76-16 gauge - -	21
23293 N	Lower Folder Screw No. 25 C Lower Folder Support, for Style 51800 B (screw No. 22548) - - - - -	21
23325 D	Spring, for yielding guide on upper folder on styles in Class 51800 (screw No. 87 U) - - - - -	9
23325 M	Yielding Guide, for upper folder on styles in Class 51800 (screw No. 187A)	14
23325 R-96-3/16	Upper Folder, for styles in Class 51800 (screw No. 22854) - - - - -	14
23325 S	Cloth Guard, for styles in Class 51800 (screw No. 25 C, 22584) - - - - -	21
23402 D	Folder Support, for Styles 54100 B, 54100 D, 54100 F, 54100 H (screw No. 25 C) - - - - -	14
23404	Edge Guide, for Styles 54100 D, 54100 H (screw No. 25 C) - - - - -	14
23404 B	Edge Guide, for Styles 54100 B, 54100 F (screw No. 25 C) - - - - -	14
23406 C-1 5/8	Folder, for No. 16-64-16 gauge Styles 54100 B, 54100 D, 54100 F, 54100 H (screw No. 22730) - - - - -	21
23406 D-1 1/2	Folder, for No. 12-64-12 gauge Styles 54100 B, 54100 D, 54100 F, 54100 H (screw No. 22730) - - - - -	21
23454	Strip Collapsing Device, for Style 51800 A (screw No. 22548) - - - - -	21
23454 G	Strip Collapsing Finger, right, for Style 51800 A (screw No. 90) - - - -	14
23454 H	Strip Collapsing Finger, left, for Style 51800 A (screw No. 90) - - - - -	14
23454 J	Strip Collapsing Device Mounting Bracket, hinged, for Style 51800 A - -	21
23454 K	Mounting Bracket Hinge Block, for Style 51800 A (screw No. 22548) - - - - -	14
23454 L	Mounting Bracket Latch Spring, for Style 51800 A (screw No. 90) - - - - -	13

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Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
28577	Washer, for rear knee press shaft bracket on assembly No. 21693 A - - - - -	7
28619	Steel Ball, for plugging hole in main oil reservoir; also for puller presser roller axle on styles in Class 51800, Styles 54100 B, 54100 C (nut No. 660-75)- - - - -	10
29066 F	Needle Lever Connecting Rod Upper Bearing Assembly, with .281 inch diameter shank on ball stud, for machines equipped with needle levers Nos. 51215, 51215 F; one each Nos. 51216 A, 51243 B - - - - -	17
29066 N	Needle Lever Connecting Rod Upper Bearing Assembly, with .319 inch diameter shank on ball stud, for machines equipped with needle lever No. 51215 H; one each Nos. 51216 A, 55243 A - - - - -	17
*29105 L	Looper Drive Eccentric Assembly, internal and external oiling, includes eccentric No. 51243 P, for styles in Class 51800 (set screw No. 98, spot screw No. 96, bearing screw, upper, No. 22559 B, bearing screw, lower, No. 22559 A)- - - - -	17
*29105 N	Looper Drive Eccentric Assembly, internal oiling, includes eccentric No. 52840 G, for Styles 54100 B, 54100 C, 54100 D, 54100 E (set screw No. 98, spot screw No. 96, bear- ing screw, upper, No. 22559 B, bearing screw, lower, No. 22559 A)- - - - -	17
*29105 S	Looper Drive Eccentric Assembly, enclosed type oiling system, includes eccentric No. 52743, for Styles 54100 F, 54100 G, 54100 H, 54100 J (set screw No. 98, spot screw No.96, bearing screw, upper, No. 22559 B, bearing screw, lower No. 22559 A)- - - - -	17
*29138 H	Puller Driving Eccentric Assembly, .203 inch throw, stitch range 7 to 13 per inch, in- cludes eccentric No. 21703 H, for styles in Class 51800 (spot screw No. 81, set screw No. 95, bearing screw No. 22587) - - - - -	17
*29138 J	Puller Driving Eccentric Assembly, .156 inch throw, stitch range 11 to 16 per inch, in- cludes eccentric No. 21703 J, for Styles 54100 B, 54100 C (spot screw No. 81, set screw No. 95, bearing screw No. 22587) - - - - -	17
*29138 R	Puller Driving Eccentric Assembly, .156 inch throw, stitch range 11 to 16 per inch, in- cludes eccentric No. 21703 P, for Styles 54100 F, 54100 G (spot screw No. 81, set screw No. 95, bearing screw No. 22559 C, plug screw No. 22586)- - - - -	17
29192 K	Looper Rocker Assembly, for styles in Class 51800; one each Nos. 51813, 15465 F, 51745, 258 A, 22829 - - - - -	17

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Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
29348 K	Needle Lever Assembly, with .281 inch diameter hole for needle lever ball stud; one each Nos. 51215 F, 54, 78, 35759, 51250; two each Nos. 88 A, 1286, 22528. Replacement part for Nos. 29348, 29348 B - - - -	23
29348 L	Needle Lever Assembly, with .319 inch diameter hole for needle lever ball stud; one each Nos. 51215 H, 54, 77, 78, 35759, 51250; two each Nos. 88 A, 1286, 22528 - - -	23
29402	Lifter Treadle Assembly; one each Nos. 22813, 422, 423, 424 - - - - -	25
*29476 AE	Crankshaft Assembly, for styles in Class 51800; includes crankshaft No. 51322 A (bearing screw No. 75 A) - - - - -	23
*29476 AG	Crankshaft Assembly, for Styles 54100 B, 54100 C, 54100 D, 54100 E; includes crankshaft No. 54122 C (bearing screw No. 75 A) - - - -	23
*29476 AZ	Crankshaft Assembly, for Styles 54100 F, 54100 G, 54100 H, 54100 J; includes crankshaft No. 54122 C (bearing screw No. 75 A) - - - -	23
35569 J	Nut, for feed lift and looper avoid eccentric link on Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	7
35731 A	Presser Bar Connection Guide Plate (screw No. 22513) - - - - -	2
35731 B	Needle Bar Bushing, lower, for styles in Class 51800 - - - - -	11
35733 B	Presser Spring Regulating Screw Lock Nut - - -	7
35759	Needle Bar Connection (needle bar set screw No. 88 A, link pin set screw No. 78) - - - -	2
35768 A	Screw, left, for upper crank chamber cover; also for No. 52887 - - - - -	5
35788 B	Crank Chamber Oil Reservoir Cover, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	20
35833 C	Presser Spring Plate - - - - -	15
39135	Feed Bar Shaft, 2 inches long, for Styles 54100 B, 54100 C, 54100 D, 54100 E (set screw No. 22560 B) - - - - -	18
39193	Crank Chamber Oil Reservoir Sight Gauge Assembly, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - -	10
39193 A	Crank Chamber Oil Reservoir Sight Gauge Glass Tube Cover - - - - -	10
39193 B	Crank Chamber Oil Reservoir Sight Gauge Base - - - - -	10
39236 A	Needle Rear Guard Washer, for styles in Class 51800 - - - - -	7
41047	Looper Connecting Rod, 2 3/8 inches long, for No. 96 and narrower gauge styles in Class 51800 (nut, right thread, No. 18, nut, left thread, No. 269) - - - - -	13

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Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
43134 D	Feed Bar Shaft, for styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J (screw No. 22560 B)- - - - -	18
43266	Tension Post Nut - - - - -	7
43294 A	Oil Drain Support (screw No. 22596)- - - - -	22
43294 D	" " Pipe, 3 inches long- - - - -	16
51134	Feed Bar, including tiltable feed dog holder, for styles in Class 51800 (set screw No. 22560 B, feed dog supporting screw No. 538, feed dog holder adjusting screw No. 22863, link pin screw No. 77) - - - - -	15
51134 H	Feed Dog Holder, for styles in Class 51800 (nut No. 258 A) - - - - -	1
51134 J	Washer, for feed dog holder on styles in Class 51800- - - - -	1
51135	Feed Rocker, for styles in Class 51800 (screw No. 98)- - - - -	15
51145	Looper Avoid Eccentric Link; also feed lift eccentric link, for styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J- - -	12
51147	Main Shaft Collar (screw No. 95) - - - - -	12
51170 C	Needle Thread Take-up Post, for styles in Class 51800- - - - -	8
51170 D	Needle Thread Take-up Post Lock Nut, for styles in Class 51800 - - - - -	7
51190 D	Main Shaft Bearing Housing Gasket, for Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	22
51202	Cloth Plate Slide, rear, 1 1/2 inches long, for styles in Class 51800, Styles 54100 B, 54100C, 54100 D, 54100 E (stop screw No. 22799 N)- - -	20
51215 F	Needle Lever, steel, with .281 inch diameter hole for ball stud, includes bushing No. 51250 A. Replacement part for No. 51215 and No. 51215 C- - - - -	23
51215 H	Needle Lever, steel, with .319 inch diameter hole for ball stud, includes bushing No. 51250 A, for styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	23
51216	Needle Lever Connecting Rod Tube (nut, left thread, No. 15430 C, nut, right thread, No. 15430 D) - - - - -	18
51216 A	Needle Lever Connecting Rod Bearing, upper (screw No. 97 A) - - - - -	17
51235	Feed Rocker, for styles in Class 54100 (screw No. 98)- - - - -	15
51235 A	Feed Rocker Arm (screw No. 22519 C, washer No. 51235 G) - - - - -	15
51235 B	Feed Rocker Shaft, 4 7/16 inches long- - - - -	18
51235 G	" " Arm Clamp Screw Washer - - - - -	7
51236	Feed Crank Link (oil wick No. 666-19, shim No. 1248, screw No. 22569, nut No. 7947) - - - - -	12
51236 A	Feed Lift Link Pin; also looper avoid link pin (screw No. 77) - - - - -	12

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Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
51236 B	Stitch Regulating Stud Cap (screw No. 22768) - -	13
51236 C	Feed Crank Stud (nut No. 269) - - - - -	6
51242 A	Looper Drive Lever Shaft, 4 9/16 inches long, with bushing, for styles in Class 51800 (screw No. 22597 A) - - - - -	18
51242 B	Looper Drive Lever Shaft Bushing, rear, for styles in Class 51800 (screw No. 22597 A) - -	11
51242 C	Looper Drive Lever Bushing, for styles in Class 51800 - - - - -	11
51242 Q	Looper Rock Shaft Bushing, right, for Styles 54100 F, 54100 G, 54100 H, 54100 J - - - -	11
51242 T	Looper Drive Lever, steel, with threaded hole for ball stud on styles in Class 51800. Replacement part for No. 51242 E - - - - -	17
51242 U	Looper Drive Lever, steel, with .232 inch diame- ter reamed hole for ball stud on styles in Class 51800 - - - - -	17
51243 B	Looper Drive Lever Rocker Ball Stud; also needle lever ball stud with .281 inch diameter shank for Styles 54100 B, 54100 C, 54100 D, 54100 E (set screw, fillister head, No. 22528, set screw, hexagonal head, No. 22519) - - - - -	13
51243 C	Looper Drive Lever and Needle Lever Ball Stud Guide Fork (screw No. 97) - - - - -	13
51243 K	Looper Drive Eccentric Oil Disc, for looper drive eccentric on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E (screw No. 22716) - - - - -	16
51243 L	Looper Drive Eccentric Oil Disc Gasket, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	16
51243 N	Looper Drive Eccentric Oil Disc Washer, steel, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E (screw No. 22716 A)	16
51243 R	Looper Drive Eccentric Felt Retainer, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	10
51244 A	Looper Rocker Shaft, for styles in Class 51800	18
51244 B	Looper Rocker Shaft Arm, for styles in Class 51800 (screw No. 93) - - - - -	12
51244 E	Feed Rocker Shaft Bushing; also looper rock shaft bushing, right and left, on styles in Class 51800, and looper rock shaft bushing, left, on styles in Class 54100 - - - - -	11
51244 K	Looper Rocker Shaft, for Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	24
51245	Looper Avoid Eccentric Link and Feed Lift Eccen- tric Link, for Styles 54100 B, 54100 C, 54100 D, 54100 E (oil retaining pad No. 51245 A, screw No. 22569, nut No. 35569 J) - -	12

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
51245 A	Looper Avoid Eccentric Link Oil Retaining Pad, for Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	10
51250	Needle Lever Stud (screw No. 719) - - - - -	18
51250 A	" " " Bushing - - - - -	11
51250 B	" " Thrust Collar (screw No. 719) - - - - -	12
51250 C	" " Link Pin Clamp Screw Nut, for use with lynite needle levers	7
51254	Needle Bar Bushing, upper, for styles in Class 54100- - - - -	11
51254 A	" " " lower, for styles in Class 54100- - - - -	11
51257 C	Presser Bar Bushing, lower, for Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	11
51257 D	Presser Bar Bushing, lower, for Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	11
51281-204	Cloth Plate Cover, 6 3/8 inches long, for styles in Class 51800 - - - - -	22
51281-206	" " " 6 27/64 inches long, for Styles 54100 B, 54100 C, 54100 D, 54100 E- - - - -	22
51281 F	Cloth Plate Cover Spring, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E (screw No. 22726 A) - - - - -	15
51281 G	Cloth Plate Cover Spring, for Styles 54100 F, 54100 G, 54100 H, 54100 J (attaching screw No. 22726, attaching screw washer No. 6042 A, pivot screw No. 22845 B) - - - - -	15
51281 J-167	Cloth Plate Cover, for Styles 54100 F, 54100 G, 54100 H, 54100 J- - - - -	20
51282	Louver Cover, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E (screw No. 90) - - - - -	20
51282 B	Face Plate (thumbscrew No. 22837) - - - - -	20
51282 E	Crankshaft Chamber Cover, upper, for Styles 54100 F, 54100 G, 54100 H, 54100 J (attach- ing screw, right, No. 22849, attaching screw, left, No. 35768 A) - - - - -	22
51282 F	Crankshaft Cover Oil Drip Plate, for Styles 54100 F, 54100 G, 54100 H, 54100 J (screw No. 187 A) - - - - -	20
51282 H	Crank Chamber Rear Cover Gasket, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	20
51282 J	Crank Chamber Oil Reservoir, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E (attaching screw, right, No. 22849, attaching screw, left, No. 35768 A) - - - - -	22

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Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
51282 P	Oil Reservoir Baffle Plate, for Styles 54100 F, 54100 G (screw, long, No. 22874, screw, short, No. 94)- - - - -	20
51282 Q	Oil Reservoir Back Cover, for Styles 54100 F, 54100 G (screw No. 22848)- - - - -	22
51282 R	Oil Reservoir Back Cover, for Styles 54100 H, 54100 J (screw No. 22848)- - - - -	22
51282 S	Oil Reservoir Back Cover Gasket, for Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	22
51282 T	Crankshaft Chamber Cover, for Styles 54100 F, 54100 G, 54100 H, 54100 J (screw No. 90) - - -	20
51282 U	Crankshaft Chamber Cover Gasket, for Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	20
51283	Lifter Lever, for Styles 54100 B, 54100 C, 54100 D, 54100 E (stud No. 22566 C)- - - - -	26
51283 A	Lifter Lever Spring, for Styles 54100 B, 54100 C, 54100 D, 54100 E- - - - -	9
51283 B	Lifter Lever Spring Pin, for Styles 54100 B, 54100 C, 54100 D, 54100 E- - - - -	3
51283 E	Foot Lifter Lever, for styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J (stud No. 22566 A) - - - - -	24
51283 F	Lifter Lever Link, for styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J (screw No. 22758 B, stud No. 402)- - - - -	3
51290	Main Shaft Bushing, inner right, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E- - - - -	11
51290 A	Main Shaft Bushing, right, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E- - - - -	11
51290 D	Main Shaft Bushing, left, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E- - - - -	11
51290 E	Main Shaft Bushing, middle, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E- - - - -	11
51290 J	Main Shaft Bushing, middle, for Styles 54100 F, 54100 G, 54100 H, 54100 J- - - - -	11
51290 K	Main Shaft Bushing, left and inner right, for Styles 54100 F, 54100 G, 54100 H, 54100 J- - -	11
51290 L	Main Shaft Bushing, right, for Styles 54100 F, 54100 G, 54100 H, 54100 J- - - - -	11
51290 N	Main Shaft Bushing Housing, includes bushing, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E (screw No. 22569 B)	22
51290 P	Main Shaft Bushing Housing, includes bushing, for Styles 54100 F, 54100 G, 54100 H, 54100 J (screw No. 22569 B)- - - - -	22
51292	Tension Post - - - - -	9
51292 A	" " Ferrule - - - - -	9
51292 C	" " Regulating Nut- - - - -	7

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Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
51292 D	Tension Thread Eyelet (insert No. 668-7, insert ferrule No. 668-12) - - - - -	8
51292 E	Tension Thread Eyelet, for styles in Class 51800 (insert No. 668-7, insert ferrule No. 668-12) - - - - -	8
51292 F-2	Tension Spring, .022 inch diameter wire, for looper threads on styles in Class 51800- - -	9
51292 F-5	Tension Spring, .031 inch diameter wire, for needle threads on styles in Class 54100- - -	9
51292 F-8	Tension Spring, .037 inch diameter wire, for needle threads on styles in Class 51800- - -	9
51293 A	Oiling Tube, for outer right main shaft bear- ing on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E - - - - -	16
51293 B	Crank Chamber Oil Tube Clamp, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E (screw No. 22769) - - - - -	10
51293 K	Crank Chamber Oil Tube, for inner right main shaft bearing on Styles 54100 D, 54100 E - - -	16
51293 P	Feed Rocker Oil Tube; also feed lift and looper avoid eccentric oil tube, for Styles 54100 F, 54100 G, 54100 H, 54100 J (plug screw No. 88 A, coupling No. 61294 X) - - - -	16
51293 Q	Left Main Shaft Bearing Oil Tube, for Styles 54100 F, 54100 G, 54100 H, 54100 J (coupling No. 61294 X) - - - - -	16
51294 A	Oil Drain Clamp Spring - - - - -	22
51294 F	Oil Tube Coupling, for attaching oil tubes to oil reservoir- - - - -	10
51295	Isolated Insulators, for "II" installation - -	7
51296	Machine Base Dowel Pin, front and rear left- -	7
51296 A	" " " " rear right, for Styles 54100 D, 54100 E, 54100 H, 54100 J - - -	7
51301 A	Cloth Plate (screw No. 80) - - - - -	26
51321 A	Pulley, grooved for round belt, working diame- ter 2 1/2 inches (spot screw No. 22597, set screw No. 22597 A) - - - - -	19
51321 B	Pulley, grooved for No. 2 "V" belt (spot screw No. 22597, set screw No. 22597 A) - - - - -	19
51459 A	Looper Thread Tension Post Thread Guide, for styles in Class 51800- - - - -	8
51462	" " Eyelet Stand, for styles in Class 51800 (screw No. 79) - - -	19
51462 A	" " Eyelet Stand Stud, for styles in Class 51800- - - - -	6
51462 B	" " Eyelet Support, for styles in Class 51800 (screw No. 22560 B) - - -	13
51462 C	" " Eyelet Stand Pin, for styles in Class 51800- - - - -	9
51491 C	Lead-in Thread Eyelet, for styles in Class 51800 Styles 54100 F, 54100 G, 54100 H, 54100 J- - - - -	8

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
51492	Looper Thread Tension Post, for styles in Class 51800- - - - -	9
51582	Oil Slinger, for Styles 54100 F, 54100 G - - -	10
51582 A	Oil Felt, for Styles 54100 F, 54100 G- - -	10
51582 B	Oil Felt Retainer Plate, for Styles 54100 F, 54100 G- - - - -	10
51704	Cast-off Plate, for styles in Class 51800 (screw No. 28) - - - - -	15
51717	Needle Bar, marked "AU", for styles in Class 54100 (set screw No. 88 A) - - - - -	18
51722	Main Shaft, left section, for styles in Class 51800- - - - -	24
51723 A	Shielded Disc Take-up, for styles in Class 51800 (set screw No. 22580, spot screw No.96)	15
*51741	Looper Connecting Rod Ball Joint, left, for styles in Class 51800 equipped with looper drive levers Nos. 51242 E, 51242 T (bearing screw No. 97 A)- - - - -	13
*51741 B	Looper Connecting Rod Ball Joint, right, for styles in Class 51800 equipped with looper drive levers Nos. 51242 E, 51242 T (ball stud washer No. 36 G, bearing screw No.97 A)	13
*51741 C	Looper Connecting Rod Ball Joint, right, with .232 inch diameter shoulder on ball stud, for styles in Class 51800 equipped with looper drive lever No. 51242 U (ball stud washer No. 51741 E, bearing screw No. 97 A)	13
51741 E	Looper Connecting Rod Ball Stud Washer, for machines equipped with looper drive lever No. 51242 U- - - - -	7
51743 F	Main Oil Reservoir, for styles in Class 51800 (screw No. 93) - - - - -	26
51743 G	Oil Line "L" Coupling, for inner right main shaft bearing on styles in Class 51800, Styles 54100 B, 54100 C- - - - -	16
51744 A	Looper Rocker Frame, for styles in Class 51800 (spot screw No. 96, set screw No. 98)- - -	15
51745	Looper Rocker Cone Stud- - - - -	13
51751	Presser Bar Guide, for styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J (screw No. 22560 B)- - - - -	2
51757 A	Cast-off Plate Support, for styles in Class 51800 (screw No. 22528, washer No. 21657 E)	15
51758 A	Frame Needle Thread Guide, for styles in Class 51800 (screw No. 22730)- - - - -	8
51770-68	Looper Rocker Link, for No. 12-56-12 gauge styles in Class 51800- - - - -	12
51770-76	Looper Rocker Link, for No. 12-64-12 gauge - -	12
51770-80	" " " for No. 16-64-16 gauge - -	12
51770-92	" " " for No. 16-76-16 gauge - -	12
	Looper Rocker Link Screw No. 22835	

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in order- ing. Prices furnished on application.		Plate No.
51771	Looper Rocker	Link Bushing, for styles in Class 51800 - - - - -	12
51772-68	" "	Spacing Plate, for No. 12-56-12 gauge styles in Class 51800- - - - -	15
51772-76	" "	Spacing Plate for No. 12-64-12 gauge - - - - -	15
51772-80	" "	Spacing Plate, for No. 16-64-16 gauge - - - - -	15
51772-92	" "	Spacing Plate, for No. 16-76-16 gauge - - - - -	15
51773	" "	Frame Spacing Collar, for styles in Class 51800 (screw No. 88 B) - - - - -	12
51780 A	Throat Plate Support, for styles in Class 51800 (screw No. 80) - - - - -		21
51801	Cloth Plate, for styles in Class 51800 (screw No. 80) - - - - -		26
51805-12-56-12	Feed Dog, for No. 12-56-12 gauge styles in Class 51800 - - - - -		1
51805-12-64-12	" " for No. 12-64-12 gauge - - - - -		1
51805-16-64-16	" " for No. 16-64-16 gauge - - - - -		1
51805-16-76-16	" " for No. 16-76-16 gauge - - - - -		1
51808	Feed Dog Screw No. 22528 Looper, front, for Nos. 12-56-12 and 12-64-12 gauge styles in Class 51800		3
51808 A	Looper, front, for Nos. 16-64-16 and 16-76-16 gauge - - - - -		3
51809	Looper, back, for styles in Class 51800 Looper Set Screw No. 73		3
51813	Looper Rocker, marked "K", for styles in Class 51800- - - - -		17
51817	Needle Bar, marked "BR", for styles in Class 51800 (set screw No. 88 A) - - -		18
51818-12-56-12	Needle Bar Head, for No. 12-56-12 gauge styles in Class 51800		3
51818-12-64-12	" " " for No. 12-64-12 gauge		3
51818-16-64-16	" " " for No. 16-64-16 gauge		3
51818-16-76-16	" " " for No. 16-76-16 gauge		3
	Needle Bar Head Spot Screw No. 89		
	Needle Set Screw, 3/16 inch long, No. 22565 C		
	Needle Set Screw, 3/8 inch long, No. 22565 D		
51820-12-56-12	Presser Foot Assembly, for No. 12-56-12 gauge styles in Class 51800; one each Nos. 22758, 51830, 51830 A-12-56-12, 51830 B-12-56-12, 51830 D; two each Nos. 22584, 22799, 51830 C - - - - -		2

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in order- ing. Prices furnished on application.	Plate No.
51820-12-64-12	Presser Foot Assembly, for No. 12-64-12 gauge; one each Nos. 22758, 51830, 51830 A-12-64-12, 51830 B-12-64-12, 51830 D; two each Nos. 22584, 22799, 51830 C - - - - -	2
51820-16-64-16	Presser Foot Assembly, for No. 16-64-16 gauge; one each Nos. 22758, 51830, 51830 A-16-64-16, 51830 B-16-64-16, 51830 D; two each Nos. 22584, 22799, 51830 C - - - - -	2
51820-16-76-16	Presser Foot Assembly, for No. 16-76-16 gauge; one each Nos. 22758, 51830, 51830 A-16-76-16, 51830 B-16-76-16, 51830 D; two each Nos. 22584, 22799, 51830 C - - - - -	2
51824-12-56-12	Throat Plate, for No. 12-56-12 gauge styles in Class 51800 - - -	1
51824-12-64-12	" " for No. 12-64-12 gauge - - -	1
51824-16-64-16	" " for No. 16-64-16 gauge - - -	1
51824-16-76-16	" " for No. 16-76-16 gauge - - -	1
51825	Throat Plate Screw No. 87 Needle Guard, for Nos. 12-56-12 and 12-64-12 gauge styles in Class 51800	3
51825 A	Needle Guard, for Nos. 16-64-16 and 16-76-16 gauges - - - - -	3
51830	Needle Guard Attaching Screw No. 22585 B Needle Guard Pivot Screw No. 22801 Presser Foot Shank, for styles in Class 51800 (set screw No. 22584) - - - - -	2
51830 A-12-56-12	Presser Foot Bottom Right Yielding Section, for No. 12-56-12 gauge styles in Class 51800 - - - - -	2
51830 A-12-64-12	Presser Foot Bottom Right Yielding Section, for No. 12-64-12 gauge - - -	2
51830 A-16-64-16	Presser Foot Bottom Right Yielding Section, for No. 16-64-16 gauge - - -	2
51830 A-16-76-16	Presser Foot Bottom Right Yielding Section, for No. 16-76-16 gauge - - -	2
51830 B-12-56-12	Presser Foot Bottom Left Yielding Section, for No. 12-56-12 gauge styles in Class 51800 - - - - -	2
51830 B-12-64-12	Presser Foot Bottom Left Yielding Section, for No. 12-64-12 gauge - - -	2
51830 B-16-64-16	Presser Foot Bottom Left Yielding Section, for No. 16-64-16 gauge - - -	2
51830 B-16-76-16	Presser Foot Bottom Left Yielding Section, for No. 16-76-16 gauge - - -	2
51830 C	Presser Foot Bottom Yielding Section Screws No. 22799 Presser Foot Yielding Plunger, for styles in Class 51800 - - - - -	2

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
51830 D	Presser Foot Equalizer Link, for styles in Class 51800 (screw No. 22758)- - - - -	2
51833	Needle Stop Plate, for Nos. 12-56-12 and 12-64-12 gauge styles in Class 51800 - - - -	3
51833 A	Needle Stop Plate, for Nos. 16-64-16 and 16-76-16 gauges- - - - -	3
	Needle Stop Plate Set Screw No. 88	
51854	Needle Stop Plate Attaching Screw No. 22849	
	Needle Bar Connection, for styles in Class 51800- - - - -	2
51854 A	Needle Bar Guide, for styles in Class 51800 (screw, fillister head, No. 93, screw, hexagonal head, No. 303, washer No. 51854 C)	3
51854 B	Needle Bar Bushing, upper, for styles in Class 51800- - - - -	11
51854 C	Washer, for needle bar guide on styles in Class 51800- - - - -	7
51858	Frame Needle Thread Eyelet, for styles in Class 51800 (screw No. 22848, washer No. 20)	8
51859	Looper Thread Eyelet, for styles in Class 51800 (screw No. 87 U, stud No. 51462 A) - -	8
51859 A	Looper Thread Eyelet, for styles in Class 51800 (screw No. 22711)- - - - -	8
51870	Take-up Wire, for styles in Class 51800 (screw No. 90)- - - - -	8
51880	Supplementary Throat Plate Support, for styles in Class 51800 (attaching screw No. 22548, adjusting screw No. 12935 A) - - - - -	15
51888	Presser Bar, for styles in Class 51800 - - - -	18
51888 A	Presser Bar Bushing, upper, for styles in Class 51800- - - - -	11
51899	Looper Threading Wire, for styles in Class 51800- - - - -	23
51891	Looper Thread Guard, for styles in Class 51800 (screw No. 22711)- - - - -	20
51891 A-4	Thread Lead-in Guide, for styles in Class 51800 (screw No. 22528)- - - - -	22
51959 B	Looper Thread Nipper Disc, for styles in Class 51800- - - - -	9
51959 D	Looper Thread Nipper Nut, for styles in Class 51800- - - - -	7
52795	Main Shaft Oil Gauge Assembly, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E; one each Nos. 52895 G, 660-92, 660-93, 660-94, 660-95 (nut No. 11638 M) - - - - -	16
52834 N	Looper Drive Ball Joint Locking Stud Nut, for styles in Class 51800- - - - -	7
52841	Looper Drive Ball Joint Locking Stud, for styles in Class 51800 (washer No. 8372 A, lock nut No. 52834 N)- - - - -	6

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in order- ing. Prices furnished on application.	Plate No.
52882 B	Crank Chamber Cover, rear, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E (screw No. 90)- - - - -	20
52882 D	Crank Chamber Oil Reservoir Cover Assembly, for styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E; one each Nos. 666-50, 35788 B (screw No. 605)- - - - -	20
52882 E	Gasket, for crankshaft chamber cover, upper- - - - -	22
52883 G	Presser Bar Lifter Bracket and Guide, for Styles 54100 B, 54100 C, 54100D, 54100 E (screw, countersunk head No. 87, screw, headless, No. 89) - - - -	15
52887	Presser Spring (locating screw No. 35768 A) - - - - -	19
52887 G	Presser Spring Rest- - - - -	3
52887 N	Presser Spring Regulating Stud (nut No. 258 A) - - - - -	3
52888	Presser Bar, for styles in Class 54100	18
52889	Presser Bar Bushing, upper, for styles in Class 54100 - - - - -	11
52894 G	Main Oil Reservoir Cover, for styles in Class 51800 (screw No. 87 A)- - -	22
52894 Y	Oil Line "T" Coupling, for inner right main shaft bearing on Styles 54100 D, 54100 E- - - - -	16
52894 Z	Oil Tube, leading from oil gauge to inner right main bearing on styles in Class 51800, Styles 54100 B, 54100 C, 54100 D, 54100 E (coupling No. 61294 X) - - - - -	10
52895 G	Main Shaft Oil Gauge Frame - - - - -	16
52992	Looper Thread Tension Post Support, for styles in Class 51800- - - - -	14
53556 C	Presser Bar Bushing, lower, for styles in Class 51800 - - - - -	11
53592	Needle Thread Tension Post Support - -	14
54101	Cloth Plate, for Styles 54100 B, 54100 C, 54100 D, 54100 E (screw No. 80)- - - - -	26
54101 A	Cloth Plate, for Styles 54100 F, 54100 G, 54100 H, 54100 J (screw 33/64 inch long, No. 80, screw, 21/32 inch long, No. 22574)- - - - -	26
54105 C-12-64-12	Feed Dog, for 12-64-12 gauge styles in Class 54100- - - - -	1
54105 C-16-64-16	" " for No. 16-64-16 gauge - - -	1
54108 A	Feed Dog Screw No. T22 Looper, marked "BC", for styles in Class 54100 (screw No. 77) - - - - -	3

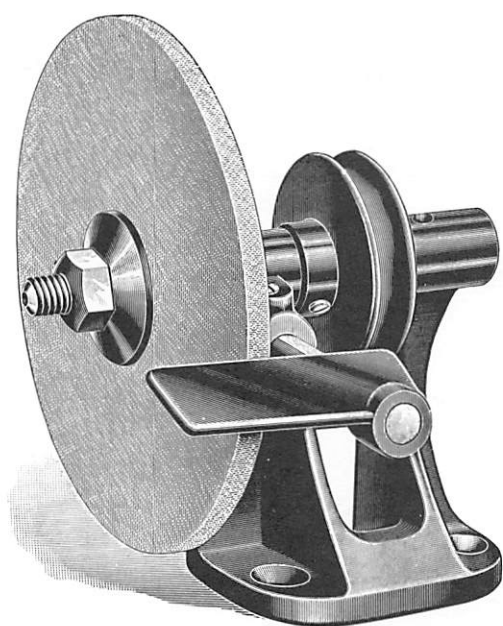
LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in order- ing. Prices furnished on application.	Plate No.
54122	Main Shaft, for styles in Class 54100	24
54124 C-12-64-12	Throat Plate, for No. 12-64-12 gauge styles in Class 54100- - - - -	1
54124 C-16-64-16	Throat Plate, for No. 16-64-16 gauge Throat Plate Screws No. 87 B	1
54134	Feed Bar, for styles in Class 54100 (screw No. 22560 B)- - - - -	15
54134 G	Feed Bar Tilting Extension, for styles in Class 54100 (screw No. 22560 B)	15
54134 N	Feed Bar Rocker Shaft, for styles in Class 54100- - - - -	8
54135	Feed Dog Screw Nut, for styles in Class 54100; also for No. 22747- - -	1
54139	Feed Dog Holder, for styles in Class 54100 (screw No. 94)- - - - -	1
54142	Looper Rock Shaft Bushing, right, for Styles 54100 B, 54100 C, 54100 D, 54100 E- - - - -	11
54142 A	Plug, for looper drive lever shaft holes, for Styles 54100 F, 54100 G, 54100 H, 54100 J - - - - -	18
54143 D	Oil Reservoir Cover, for Styles 54100 B, 54100 C, 54100 D, 54100 E (screw No. 87 A)- - - - -	21
54143 F	Oil Splash Fin, for Styles 54100 F, 54100 G, 54100 H, 54100 J- - - - -	10
54144	Looper Holder Frame, for styles in Class 54100 (screw No. 22517)- - - -	15
54145	Looper Driving Arm, for styles in Class 54100 (set screw No. 22560 B, clamp screw No. 22852 A) - - - - -	15
54158	Needle Lever Thread Eyelet (screw No. 22768) - - - - -	8
54158 A	Needle Bar Thread Eyelet (screw No. 22768) - - - - -	8
54180	Throat Plate Support, for styles in Class 54100 (screw No. 80) - - - -	21
54185-12	Looper Holder and Needle Guard, for No. 12-64-12 gauge styles in Class 54100- - - - -	3
54185-16	Looper Holder and Needle Guard, for No. 16-64-16 gauge - - - - -	3
	Looper Holder and Needle Guard Screw No. 22747	
	Looper Holder and Needle Guard Nut No. 54135	
54195	Coupling (spot screw No. 96, set screw No. 98)- - - - -	12
54196 A	Main Oil Reservoir, for Styles 54100B, 54100 C, 54100 D, 54100 E (screw No. 93)- - - - -	26

LIST OF PARTS

Symbol to Order By	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Prices furnished on application.	Plate No.
55243 A	Needle Lever Ball Stud, with .319 inch diame- ter shank, for styles in Class 51800, Styles 54100 F, 54100 G, 54100 H, 54100 J (set screw No. 22528) - - - - -	13
*55641	Looper Connecting Rod Ball Joint, left, for styles in Class 51800 equipped with looper drive lever No. 51242 U (bearing screw No. 97 A) - - - - -	13
61267 G	Lifter Lever Spring Pin, for styles in Class 51800 - - - - -	3
61294 X	Coupling, for oil tube - - - - -	7
K61390	Oil Reservoir Top Cover, for Styles 54100 F, 54100 G, 54100 H, 54100 J (screws Nos. 22524, 22585 A, 22824 A) - - - - -	22

*See Page 9



21394
Utility Grinder

ANALYSIS OF COMPARATIVE SEWING COSTS

This form offers a simple method for you to determine the effect of modern, high speed machines on your production and overhead costs. To use it, merely fill in the starred items. Any Union Special representative will supply the necessary information on the improved machine which will enable you to complete the record.

*SEWING OPERATION		*PRESENT MACHINE Style	*IMPROVED MACHINE Style
*1. Average Daily Production per Machine.....		Doz	Doz
*2. SEWING COST			
*Average Daily Earnings per Operator.....		\$	\$
(from your own records.)			
*Average Daily Overhead per Operator.....		\$	\$
(Determine your overhead as a percentage of direct labor from your own records. Multiply the average daily earnings per operator shown above by this percentage.)			
*Total Daily Sewing Cost per Operator.....		\$	\$
(This is the sum of earnings and overhead as determined above.)			
*Sewing Cost per Dozen.....		\$	\$
(Divide the total daily sewing costs per operator by the average daily production with your present machine.)			
*3. SAVINGS EFFECTED			
Per Dozen Garments.....		\$	\$
(Subtract the sewing cost per dozen expected with the improved machine from your present sewing cost per dozen.)			
Per Day.....		\$	\$
(Multiply the savings per dozen determined above by the production expected from the improved machine.)			
Per Year.....		\$	\$
(Multiply the savings per day by 240 days.)			
Less 10% depreciation on net cost of new machine.....		\$	\$
Net Annual Saving.....		\$	\$
*4. REPLACEMENT COST			
Cost of improved machine.....		\$	\$
Less trade in or resale value present machine.....		\$	\$
Less overhauling or repair present machine.....		\$	\$
Net cost improved machine.....		\$	\$
*5. SUMMARY			
Number of operating days required to repay net cost.....		Days	Days
(Divide the net cost of improved machine by the annual savings. Multiply this result by 240 days.)			
Annual return on net cost.....		%	%
(Divide the annual savings by the net cost.)			
(Additional copies of this form, size 8 1/2 x 11", available in quantities at cost.)			

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