

Catalog No. 54 L

Second Edition

LIST OF PARTS

Styles in Class 16800

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

Second Edition

Price \$2.00

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\*MAIN OFFICES



## FOREWORD

The one dominating idea back of "Union Special" is to build the best industrial sewing machines in the world.

All parts are made to gauges with exceedingly close limits. Repairs can be made with facility as all parts are readily accessible, and are 100% interchangeable.

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 Class 16800.

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

Catalog No. 29	List of Transmitter Parts and Miscellaneous Accessories
Catalog No. 32	List of Pulling Machine Parts
Catalog No. 45	List and Description of Needles
Catalog No. 45 A	Price List of Needles
Form 357	Engineering Department Adjusting Instructions. Specify the Style number of the machine for which the Adjusting Instructions are required

In all manufacturing centers will be found Union Special representatives, who will co-operate 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: 16800 P. 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: 16800 PZ.

Styles of machines similar in construction are grouped in the catalog under a class number, which differs from the style numbers in that it contains no letters. Example: 16800.

## APPLICATION OF CATALOG

This catalog applies only to the standard styles and gauges of machines as listed. It can also be applied with discretion to the special machines in Class 16800.

The distance between the rows of stitches is represented by a gauge number measured in  $\frac{64}{16}$ ths of an inch, viz: 12 gauge represents a distance of  $\frac{12}{64}$  inch or  $\frac{3}{16}$  inch, 64 gauge represents a distance of  $\frac{64}{64}$  inch, or 1 inch.

The figure directly following the dash in the style number symbols denotes the number of needles with which the machine is fitted. The figures enclosed in parenthesis in the list of parts denote the gauge or needle spacing, reading from left to right. Example: (16-64-16) denotes a needle spacing of  $\frac{1}{4}$  inch, 1 inch, and  $\frac{1}{4}$  inch.

## STYLES OF MACHINES IN CLASS 16800

### FLAT BED MULTIPLE NEEDLE MACHINES, NEEDLES ABREAST, DOUBLE LOCKED STITCH TYPE 401

16800 B-4 For folding and attaching extension center plait and lining strip to fronts of shirts and similar garments; one operation, four needles, starts operation at neck, seam Type LSG-4, plaits used in garment lengths and extend  $\frac{1}{16}$  inch beyond the outside rows of stitches, lining strip used in long lengths, upper folder has  $\frac{3}{64}$  inch capacity and is attached to cloth plate, Type 106 needles, standard gauges (12-48-12) (12-64-12) (16-48-16) and (16-64-16).

16800 C-4 Same as Style 16800 B-4, except it finishes operation at neck.



#### STYLES OF MACHINES IN CLASS 16800 (Cont'd)

- 16800 D-4 For folding and attaching single piece extension center plait to shirts; one operation, four needles, starts operation at neck, seam Type BSh-4, folder has  $\frac{3}{64}$  inch capacity and is attached to cloth plate, plaits used in garment lengths and extend  $\frac{1}{16}$  inch beyond the outside rows of stitching. Type 106 needles, standard gauges (12-64-12).
- 16800 E-4 Same as Style 16800 D-4, except it finishes operation at neck and standard gauges are (12-64-12) (16-48-16) (16-64-16) and (16-72-16).
- 16800 G-4 For attaching bibs to overalls and similar garments made from 2.00 to 4.00 yard Sanforized and non-Sanforized materials; four needles, seam Type LS1-4, strip used in long lengths and guided next to feed dog, includes folder for edge of bib, guide for body, four loop spreaders, Type 128 needles, PULLER STYLE 21700 AA, standard gauges (12-48-12) (12-56-12) and (16-64-16)
- 16800 P-4 For attaching bibs to overalls and similar garments made from 2.00 yard to 8 oz. Sanforized and non-Sanforized materials; four needles, seam Type LS1-4, strip used in long lengths and guided next to feed dog, high needle throw, includes folder for edge of bib, guide for body, one piece loop spreader, lubricating cup and sight feed reservoir for needle threads, PULLER STYLE 21700 AA, chromium plated needles Type 128 G, standard gauges (12-56-12) and (16-64-16).
- 16800 Z A special style similar to the standard styles in Class 16800, 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.

## NEEDLES (Cont'd)

### TYPE NUMBERS AND SIZES (Cont'd)

To have orders promptly and accurately filled, the empty package, a sample needle, or the type and size numbers should be given. See marks on packages. An intelligent order would read as follows: "1000 Needles Type 106, Size 040". The type numbers of the needles most commonly used in the styles of machines covered by this catalog are listed below. Set opposite each type number is the description of the needles and the sizes available.

Type No.	Description
106	Round shank, round point, extra short, double groove, ball eye, nickel plated- sizes 027, 029, 032, 034, 036, 038, 040, 042, 044, 049.
106 G	Same as Type 106, except finish is chromium plated- sizes 032, 036, 038, 040, 044.
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	Same as Type 108, except finish is chromium plated- sizes 032, 036, 040, 044, 049, 054.
109	Round shank, round point, extra short, double groove, ball eye, government, nickel plated- sizes 027, 032, 036, 040, 044.
110	Round shank, round point, extra short, double groove, ball eye, spotted, government, nickel plated- sizes 036, 040, 044, 049.
110 G	Same as Type 110, except finish is chromium plated- sizes 036, 040, 044, 049.
112	Round shank, round point, extra short, double spiral groove, ball eye, nickel plated- sizes 032, 036, 040, 044, 049.
126	Round shank, round point, short, double groove, ball eye, nickel plated- sizes 027, 032, 036, 040, 042, 044, 049, 054.
128	Round shank, round point, short, double groove, ball eye, spotted, nickel plated- sizes 032, 036, 040, 044, 049, 054, 060.



# NEEDLES (Cont'd)

Type No.	Description
128 F	Same as Type 128, except the width of the eye and grooves are under-size- sizes 044, 049, 054.
128 G	Same as Type 128, except the width of the eye and grooves are under-size and finish is chromium plated- sizes 044, 049, 054.
128 GA	Same as Type 128, except finish is chromium plated- sizes 040, 044, 049, 054.
130	Round shank, round point, short, double groove, ball eye, spotted, government, nickel plated- sizes 036, 040, 044, 049, 054, 060.
130 G	Same as Type 130, except finish is chromium plated- sizes 044, 049, 054, 060.
133	Round shank, double spiral groove, ball eye, spotted, nickel plated- sizes 049, 054.
133 G	Same as Type 133, except finish is chromium plated- size 054.
302	Round shank, stay point, extra short, double groove, nickel plated- sizes C32, 036, 040, 042, 044, 049.
513	Round shank, rocked point, extra short, double spiral groove, ball eye, spotted, nickel plated- sizes 036, 040.
907	Round shank, spear point, extra short, double groove, ball eye, nickel plated- sizes 027, 032, 034, 036, 040, 042, 044, 049.
929	Round shank, spear point, short, double groove, ball eye, spotted, nickel plated- sizes 044, 049, 054, 060.

## 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 or numbers of the needles that can be used. Type numbers are arranged numerically, as the variety of materials sewed on each machine makes it impractical to show a preference. See Needle Catalog No. 45 and Needle Price List Catalog No. 45 A for further descriptions and prices of these needles.

Machine Style	Type of Needles
16800 B	106, 106 G, 108, 108 G, 109, 110, 110 G, 112, 302, 513, 907
16800 C	Same as Style 16800 B
16800 D	" " " 16800 B
16800 E	" " " 16800 B
16800 G	126, 128, 128 F, 128 G, 128 GA, 130, 130 G, 133, 133 G, 929
16800 P	Same as Style 16800 G

### ORDERING REPAIR PARTS

#### PLATES

Grouped, according to scale, will be found illustrations of parts similar in appearance, and, to some extent, component parts that go in the same subdivision of the mechanism.

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.

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 denotes the absence of an illustration.

(‡) A double dagger in the "symbol to order by" column denotes that the component parts cannot be furnished separately.



## ORDERING REPAIR PARTS (Cont'd)

### 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, gauges, and powdered oil stone will be promptly furnished.

### USE GENUINE NEEDLES AND REPAIR PARTS

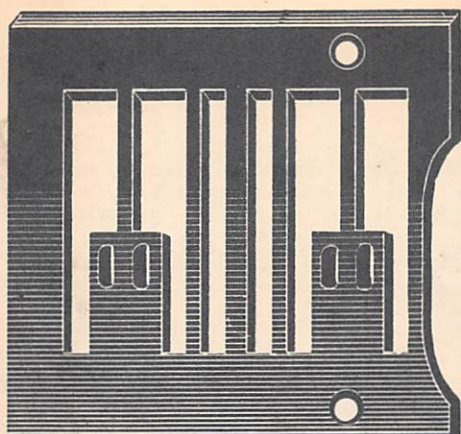
Success in the operation of these machines can be secured only by the use of genuine Union Special Needles and Repair Parts as furnished by the Union Special Machine Company, its subsidiaries and authorized distributors. Obviously, it is to our interest to maintain the reputation of Union Specials by furnishing the very best goods obtainable. 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 well known two padlocks with a link connecting the shackles. Both trade marks are symbolic of superlative excellence. All other needles and parts are bogus.

### 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



16844G  
Specify  
Gauge



16808



16808 P



16805B



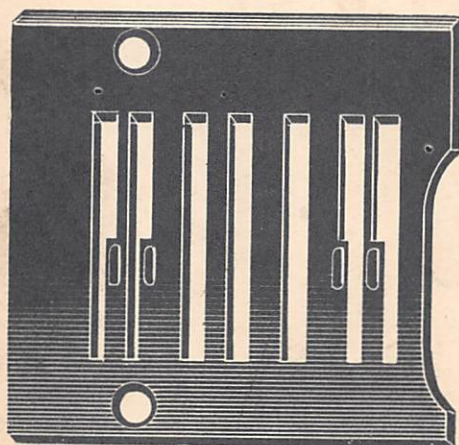
16805D-12



16805U



16805D-16



16844J  
Specify  
Gauge



16805F-16



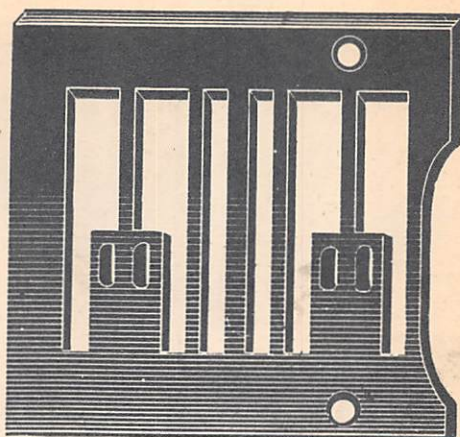
16805F-12



Plate 2 Full Size



16805E-12 16805E-16



16826E  
Specify  
Gauge

16826G  
Specify  
Gauge



16179

16844 P  
Specify  
Gauge



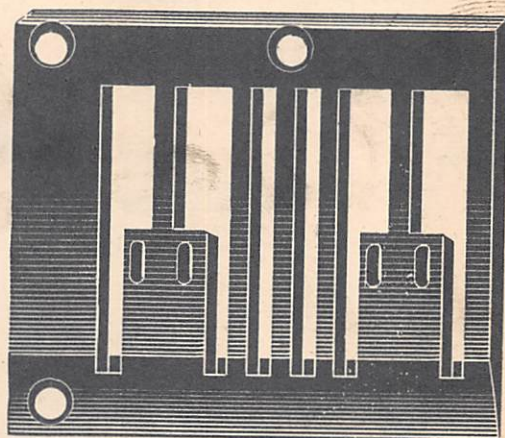
16886A



16885A-2-12 16885A-2-16

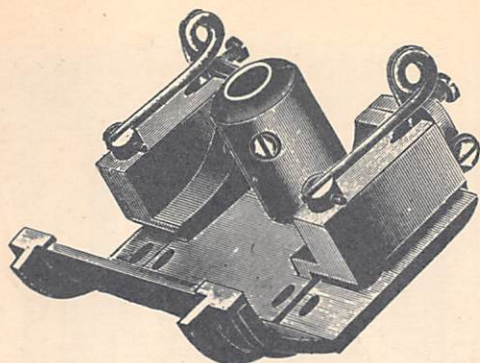


16826F 16826H

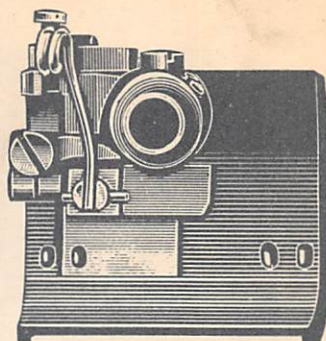


16844L  
Specify  
Gauge

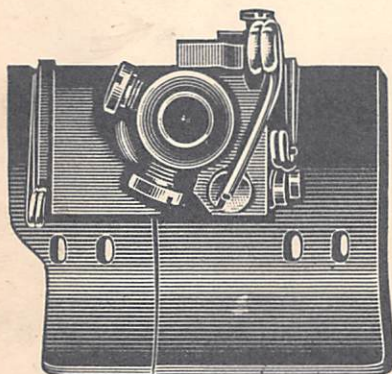
Plate 3 Full Size



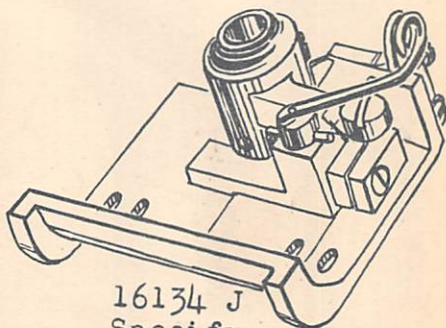
16134E  
Specify  
Gauge



16134K  
Specify  
Gauge



16834D  
Specify  
Gauge



16134 J  
Specify  
Gauge



16241



16241A



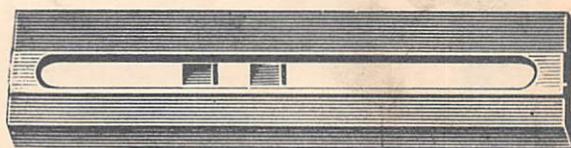
16194 C



16194 D



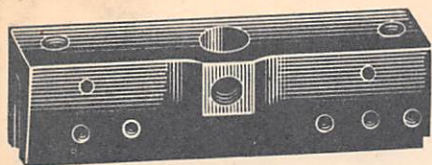
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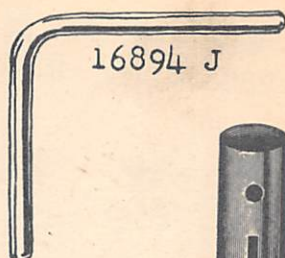
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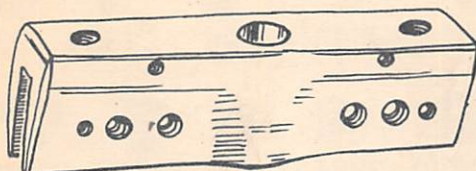
Plate 4 Full Size



16854G  
Specify  
Gauge



16894 J



16854 P  
Specify  
Gauge



35582B



202A



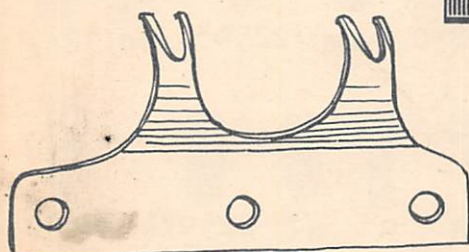
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16198A



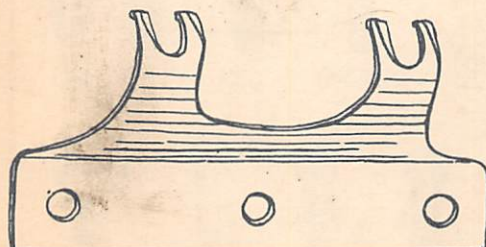
16884G-4  
Specify  
Gauge



K50514



16884-4  
Specify  
Gauge



K51851



16811B



16884 A-4  
Specify  
Gauge

# Plate 5 Full Size





# Plate 6 Full Size



22514



22539



42A



22754



22596



75 A



32574



119A



22569



141



201C



136



22509



69 FD



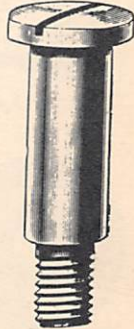
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6042



64 A



420



12934A



258



18



269



12538



1280



108



47



64B



15430C



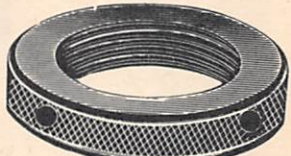
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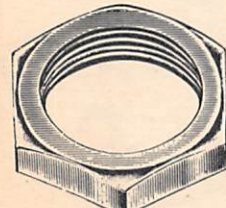
660-75



11638M



6091A



6091



15488



652 C-9



12964C



6042A



15444



23144



48

Plate 7 Full Size

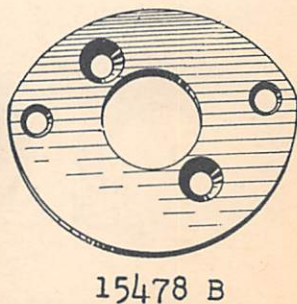
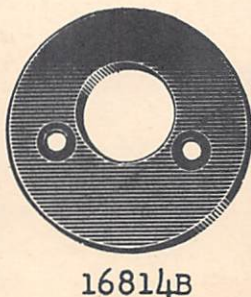
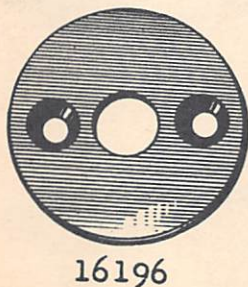
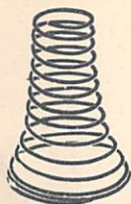




Plate 8 Full Size

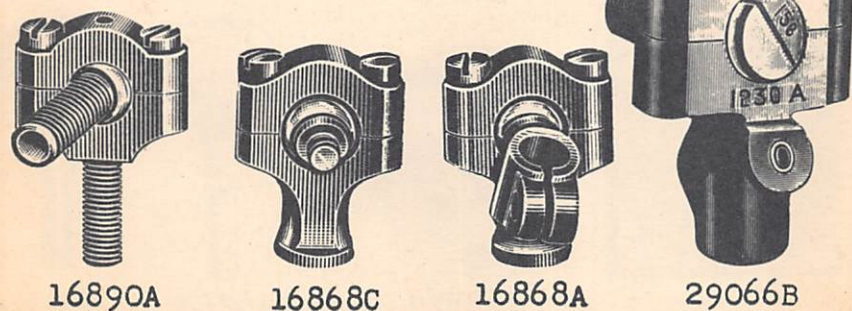
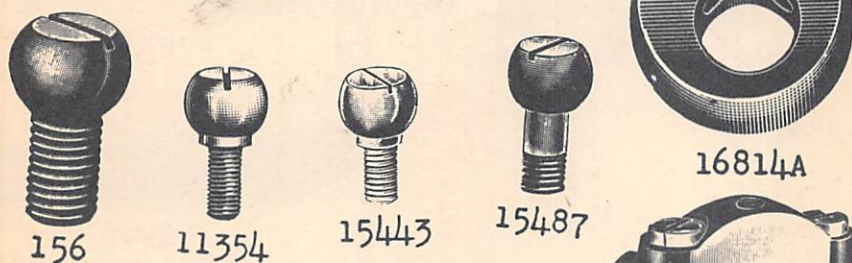
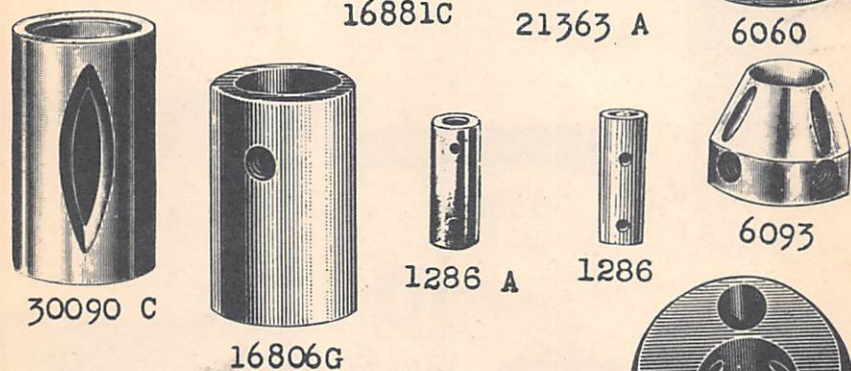
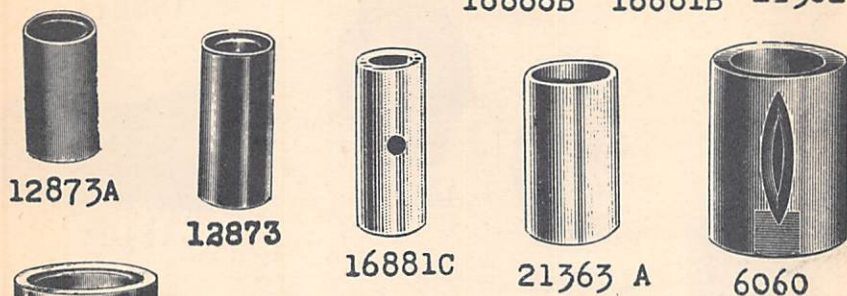
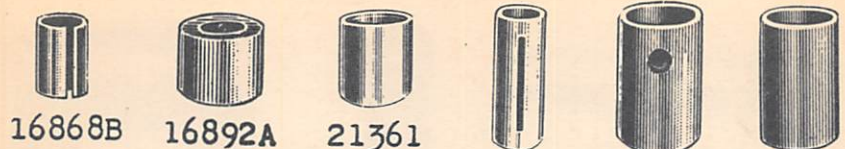
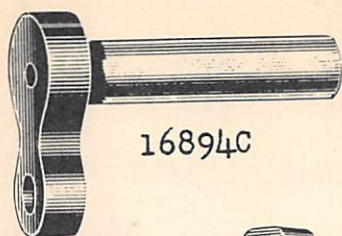


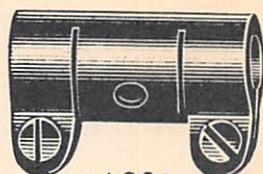
Plate 9 Full Size



16894C



16883



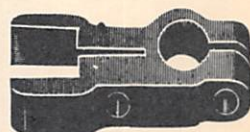
16881A



16879



16894B



16183



16887A



16893E



162



16864G



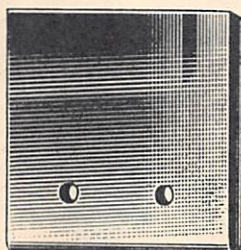
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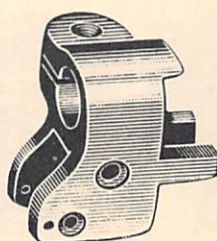
16867



16887D



16873A



16887G



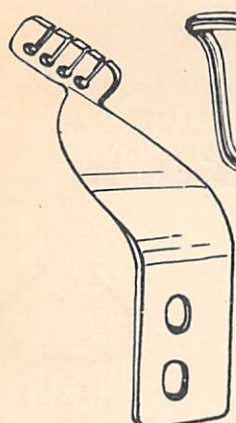
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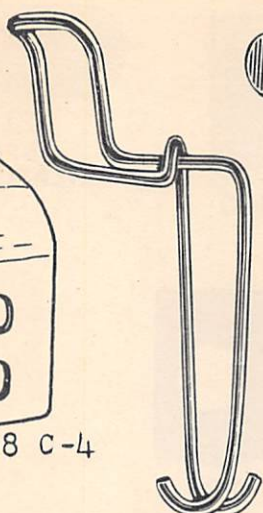
61 X



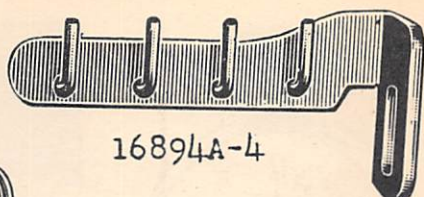
Plate 10 Full Size



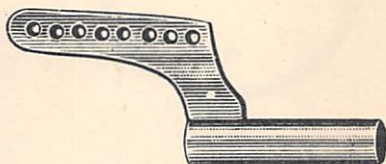
16898 C-4



16894E



16894A-4



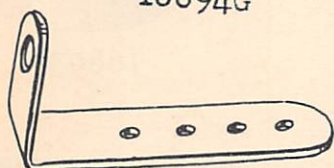
16898-8



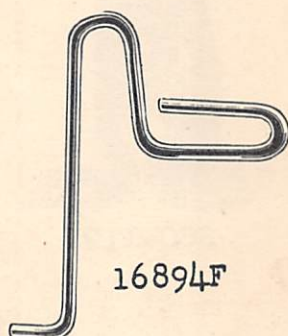
16894G



137



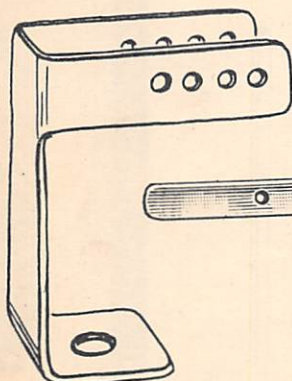
16898 B-4



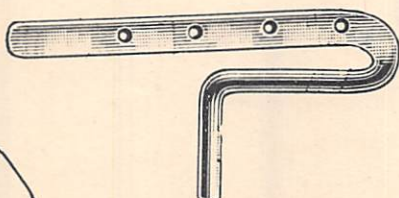
16894F



16197-2-16



16898 A-4



16894-4

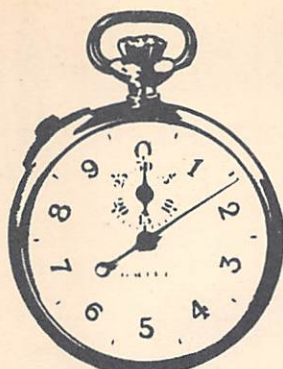


16894 H



16894 P

Plate 11 Full Size



WA15



21350



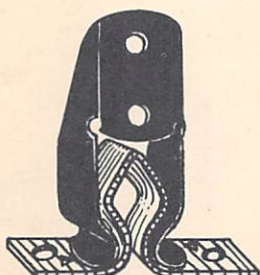
21225  
SPECIFY  
MEASUREMENT



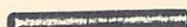
154



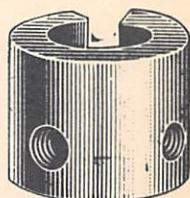
21351



660-112



426A



16893C



1361A



16887F



1230D



6092



21113 B



16892C



15036 B



16862



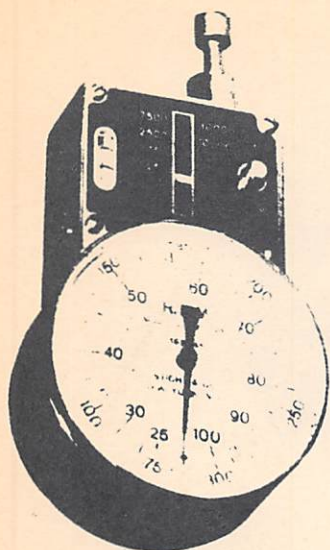
V113



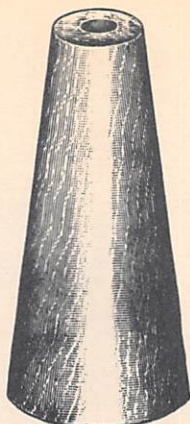
V118



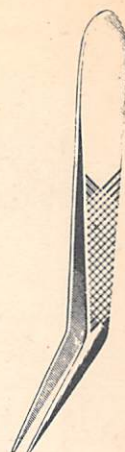
Plate 12 One-half Size



TA 55



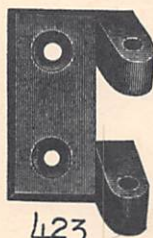
21145



118 B



21355



423



21207



421



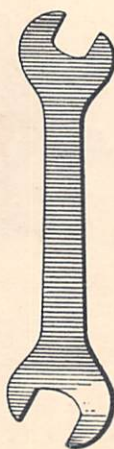
116



21388

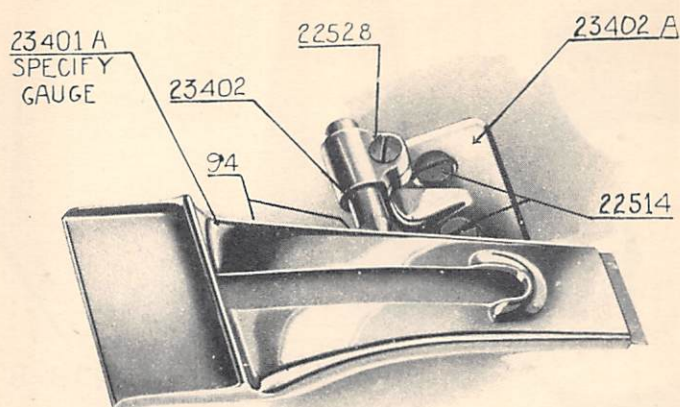


21388 N

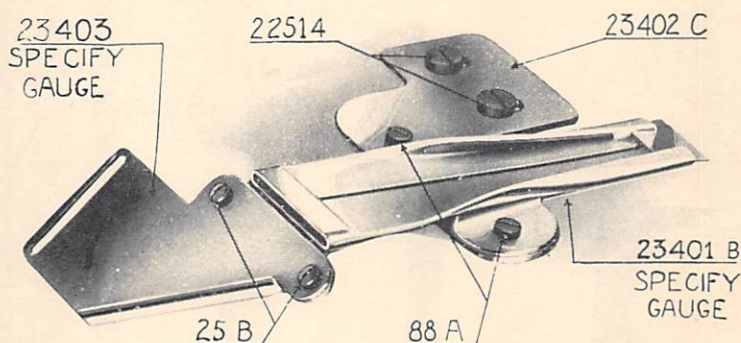


21388 R

# Plate 13 One-half Size



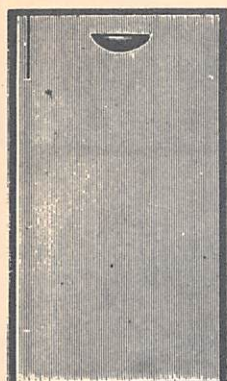
ASSEMBLY NO 23400 A  
SPECIFY GAUGE



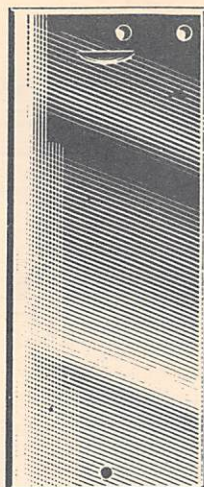
ASSEMBLY NO 23400 B  
SPECIFY GAUGE



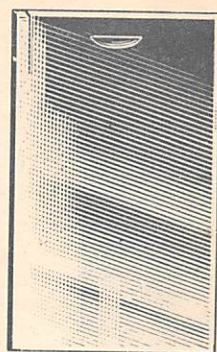
Plate 14 One-half Size



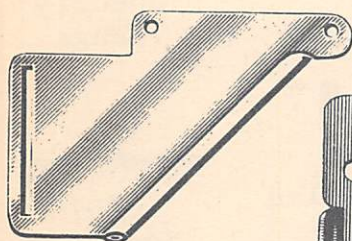
16102C



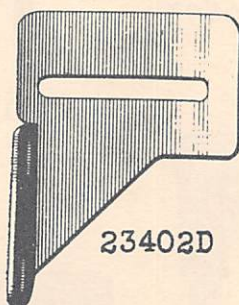
16830A



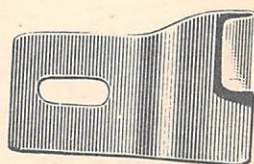
17102



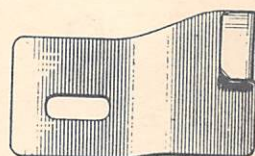
23403  
Specify  
Gauge



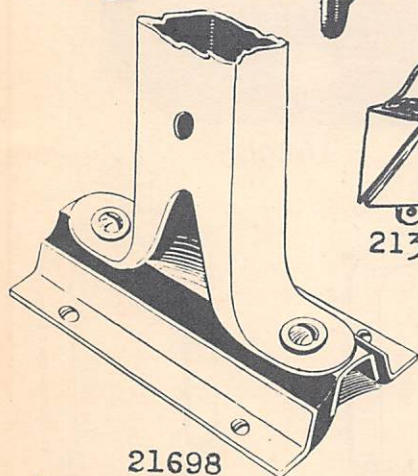
23402D



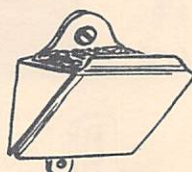
23404B



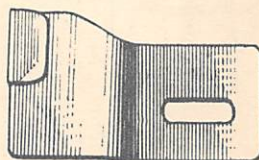
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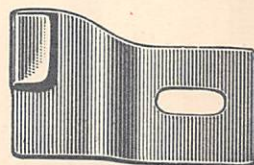
21698  
Specify Length



21396 AV



23404A

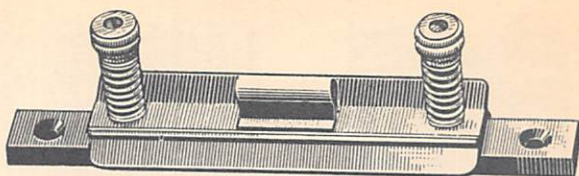


23404C

Plate 15 One-half Size



16870A



21182N



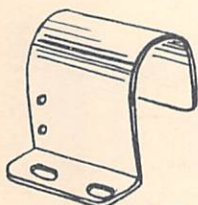
11997



16865 P



16154  
Specify Gauge



16893 P



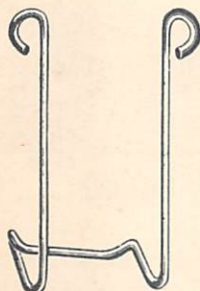
16893D



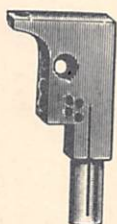
1068



16184A-4  
Specify Gauge



16891A



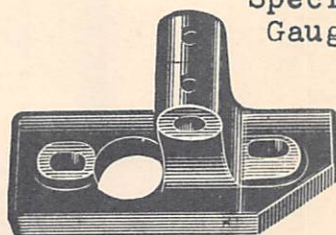
21602



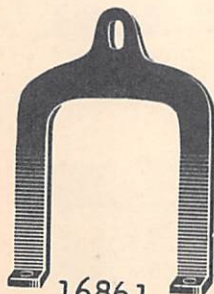
16191-4



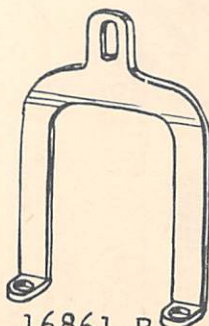
16897G  
Specify Gauge



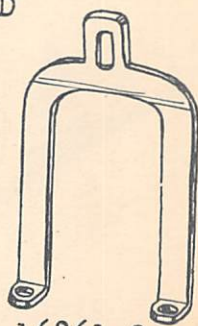
16894D



16861



16861 P



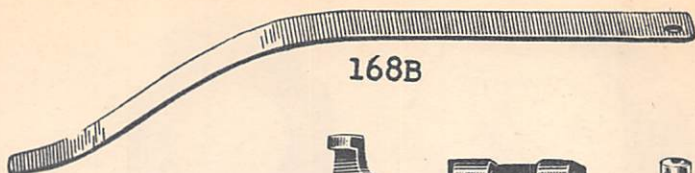
16861 Q



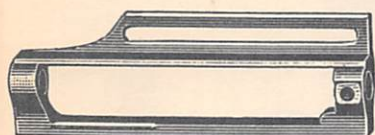
Plate 16 One-half Size



482



168B



16880A



16893



16893B



300



11



1230C



16868



16264



62



424



21708



8A



21113 A



60 X

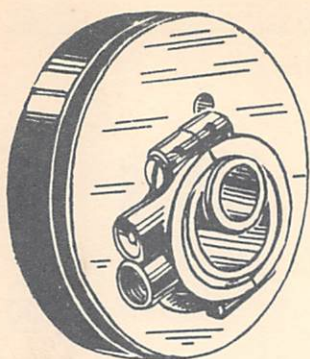


16262

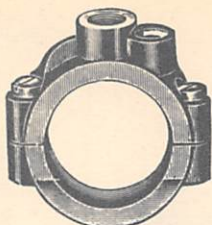


7917

Plate 17 One-half Size



29056 B



15430M



54



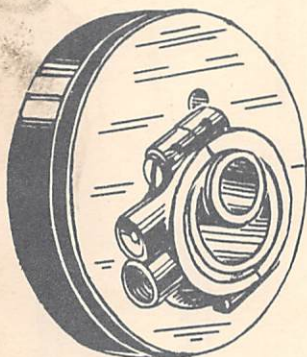
16106



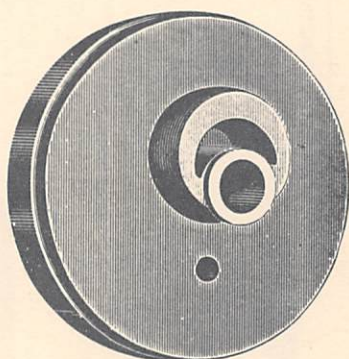
1230A



16869



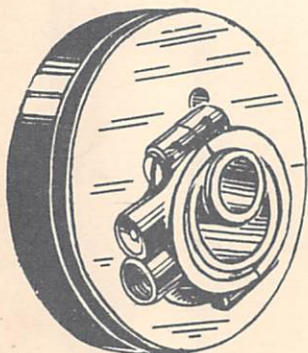
29061 B



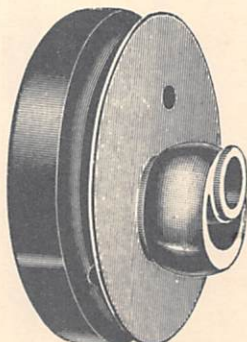
167 X



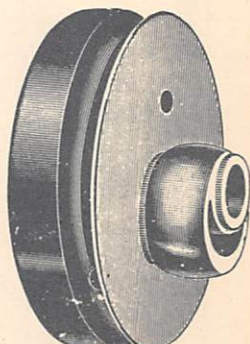
139A



29070 B



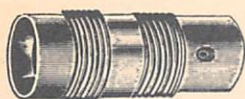
11721



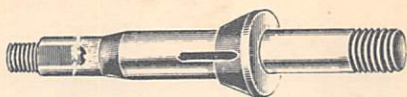
167



Plate 18 One-half Size



6090A



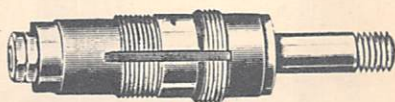
1276



1755



16171



29304E



16172



9961A



9961B



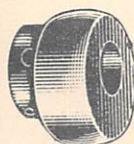
16891



16882



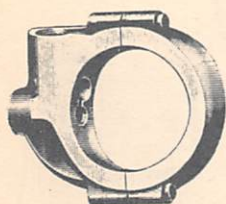
29712



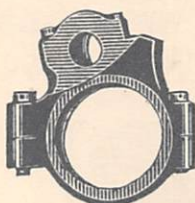
21703 C



29714



21707



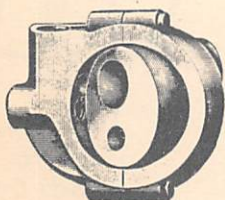
16176



15485



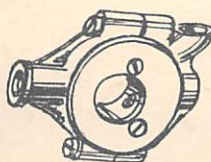
15686 A



29138 C



29137 A



29713



15430L

Plate 19 One-fourth Size



23406E  
Specify  
Finished  
Width



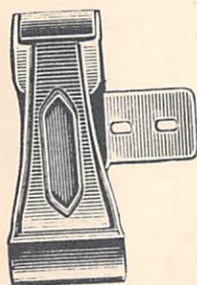
23406C  
Specify  
Finished  
Width



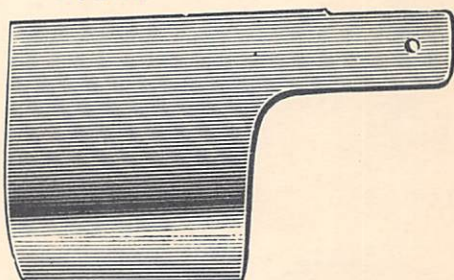
23406 D  
Specify  
Finished  
Width



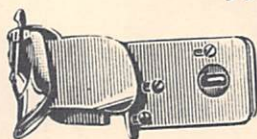
23360 A  
Specify  
Finished  
Width



23293D  
Specify  
Gauge



23325Q



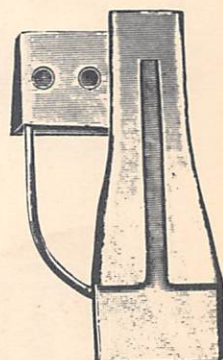
23325P-96-3/16



23293B



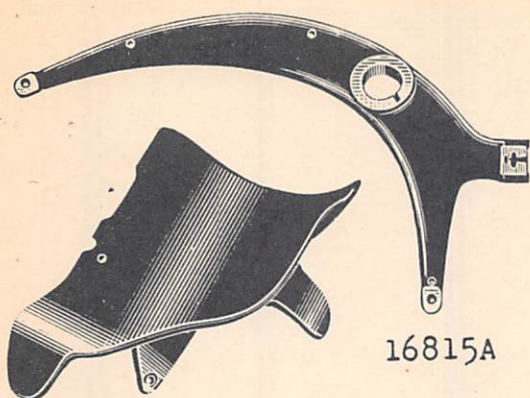
23402E



23296  
Specify  
Gauge



Plate 20 One-fourth Size



16815A

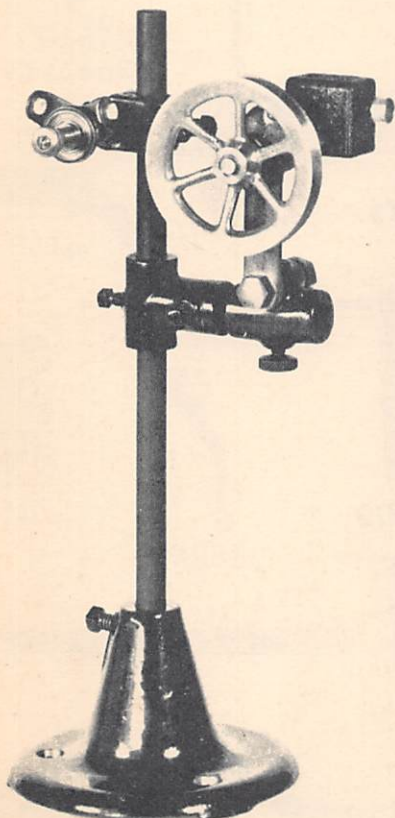
16896



16866



16881D



21231



16822A



21104 B  
Specify  
Length

100 B

Plate 21 One-fourth Size

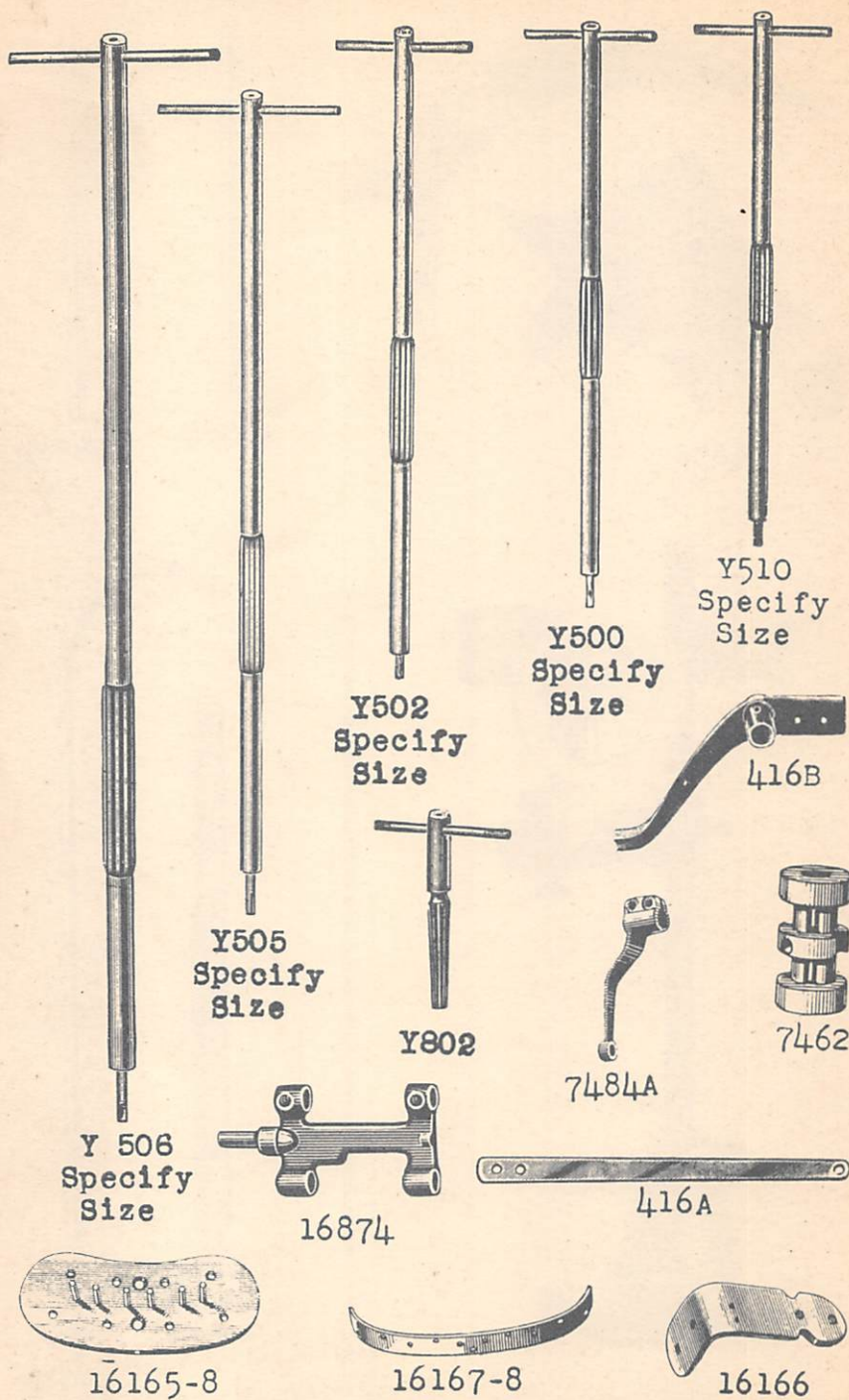
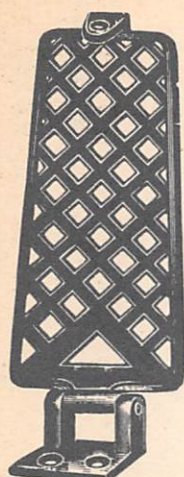
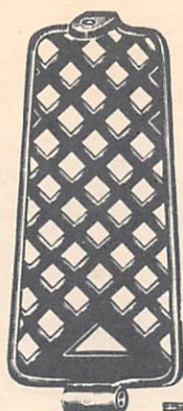




Plate 22 One-fourth Size



29402



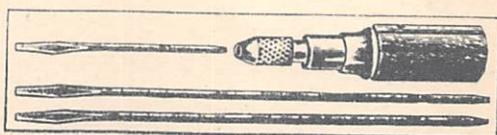
422



21236



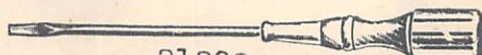
21201



21208



413



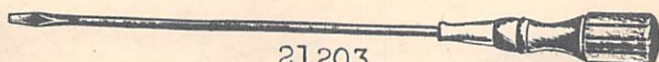
21202



21205A



21206



21203



21204

Plate 23 One-eighth Size

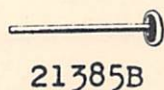
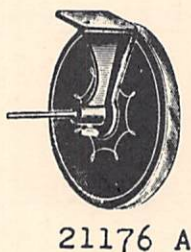
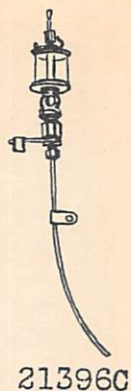
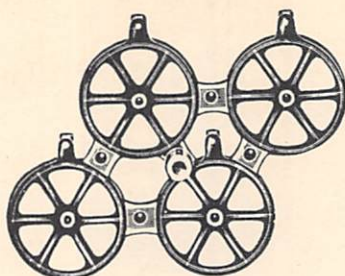
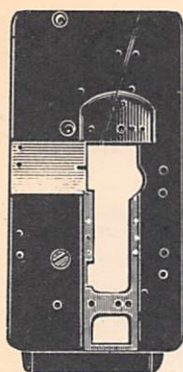
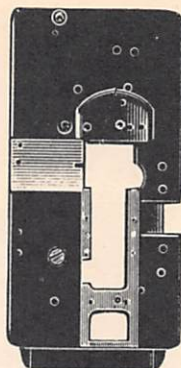




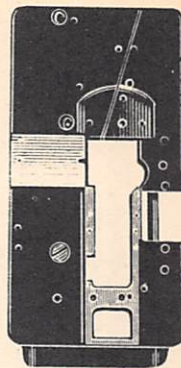
Plate 24 One-eighth Size



16801



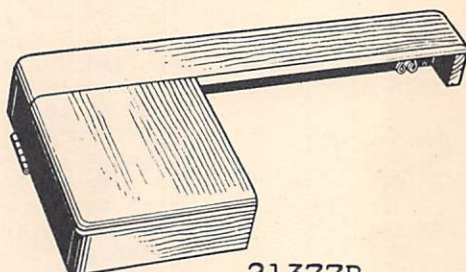
16801A



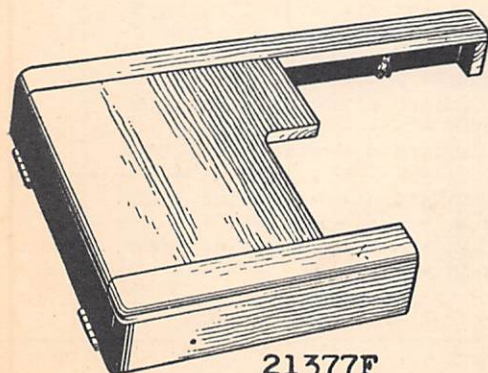
16801B



21375 A



21377B



21377F



01-19

## 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. Refer to pink insert for prices.	Plate No.
5	Main Shaft Collar (screw No. 95)- - - - -	7
8 A	Feed Rocker Shaft, standard diameter	
8 A-408	" " " .407 inch- - - - -	16
8 A-410	" " " standard diameter plus .001 inch- - - - -	--
8 A-413	" " " standard diameter plus .003 inch- - - - -	--
8 A-416	" " " standard diameter plus .006 inch- - - - -	--
8 A-419	" " " standard diameter plus .009 inch- - - - -	--
8 A-422	" " " standard diameter plus .012 inch- - - - -	--
	" " " standard diameter plus .015 inch- - - - -	--
11	Feed Bar Shaft- - - - -	16
WA15	Stop Watch- - - - -	11
18	Loop Spreader Shaft Connecting Rod Nut, right thread- - - - -	6
OI-19	Pressure Pump Oil Can, 1 1/2 pints capacity	24
T22	Screw, for feed dog sections- - - - -	5
25 B	" for angular strip guide on Styles 16800 B, 16800 C - - - - -	5
25 C	" 9/32 inch long, for cloth plate attachments- - - - -	5
25 S	" for looper carrier safety lock catch handle - - - - -	5
25 CC	" for looper carrier safety latch collar guard - - - - -	5
28 C	Set Screw, for needles; also for No.16892 B	5
42 A	Hand Lifter Screw Pin - - - - -	6
47	Needle Lever Stud Nut - - - - -	6
48	" " " Washer- - - - -	6
54	" " " Link; also for No. 16891 - - - - -	17
TA54	Hand Tally- - - - -	--
TA55	Hand Tachometer, 4 speed type, 90 to 12000 R.P.M.- - - - -	12
60 X	Presser Bar, standard diameter .319 inch, for Styles 16800 G, 16800 P- - - - -	16
60 X-322	" " standard diameter plus .003 inch - - - - -	--
60 X-325	" " standard diameter plus .006 inch - - - - -	--
60 X-328	" " standard diameter plus .009 inch - - - - -	--
60 X-331	" " standard diameter plus .012 inch - - - - -	--
60 X-334	" " standard diameter plus .015 inch - - - - -	--



# 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. Refer to pink insert for prices.	Plate No.
61 X	Presser Bar Connection, for Styles 16800 G, 16800 P (screw, front, No. 89, screw, rear, No. 77)-	9
62	Presser Guide Bar, standard diameter .319 inch, for Styles 16800 G, 16800 P	16
62-322	" " " standard diameter plus .003 inch-	--
62-325	" " " standard diameter plus .006 inch-	--
62-328	" " " standard diameter plus .009 inch-	--
62-331	" " " standard diameter plus .012 inch-	--
62-334	" " " standard diameter plus .015 inch-	--
64 A	" Spring Regulating Screw-	6
64 B	" " " Lock Nut -	6
69 S	Spool Pin, 4 inches long, for thread stand -	23
69 FD	Screw, square head, cup point, 5/16 inch diameter, 18 threads per inch, 5/8 inch long, for thread stand seats -	6
73 A	Screw, for strip guides on presser foot No. 16134 E all gauges; also for Nos. 11997 A, 16197-2-16, 16897 G all gauges -	5
75 A	Bearing Screw, lower, for feed drive eccentric connection -	6
77	Set Screw, fillister head, for needle lever link pin; also for Nos. 61 X, 16263, 16894-4, 16894 J-	5
78	Set Screw, headless, for needle lever link pin -	5
80	Screw, for tension plate -	5
81	Spot Screw, for looper drive eccentric; also for No. 21703 C-	5
86	Hand Lifter Stud -	5
86 A	" " Stud, plus size, tap No. V113-	5
86 X	Presser Foot Hinge Stud, for Styles 16800 D, 16800 E-	5
87	Screw, for throat plates; also for No. 16196 -	5
87 U	" for needle thread take-up wire; also for No. 16886 A -	5
88	Set Screw, for feed bar; also for Nos. 300, 2538, 6093, 9961 B, 16134 E all gauges, 16134 J all gauges, 16134 K all gauges, 16263, 16874, 21113 B-	5
88 A	Set Screw, for needle bar; also for Nos. 23401 B-48, 23401 B-64 -	5
89	Spot Screw, for needle holders; also for No. 61 X	5
90	Screw, for lower needle lever thread guide; also for Nos. 16861, 16861 P, 16861 Q, 21396 AV -	5
91	Clamp Screw, for loop spreader shaft guide; also for No. 16887 D-	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. Refer to pink insert for prices.	Plate No.
93	Screw, for feed dog section holder; also for Nos. 16894 E, 16896- - - - -	5
93 A	Screw, fillister head, for cloth plates; also for No. 416 A- - - - -	5
94	Screw, for needle thread take-up wire post; also for Nos. 16171, 16873 A, 16879, 16891 A, 16898 A-4, 16898 B-4, 21396 C, 23401 A all gauges - - - - -	5
95	Set Screw, for looper drive eccentric; also for Nos. 5, 15686 A- - - - -	5
96	Spot Screw, for feed lift eccentric; also for No. 15686 A- - - - -	5
97	Clamp Screw, for looper shaft crank; also for Nos. 16183, 16881 A, 16887 C, 16894 B- - - - -	5
97 A	Screw, for looper shaft crank connecting rod; also for Nos. 16176, 16868 A, 16868 C- - - - -	5
98	Set Screw, for feed rocker shaft collar; also for Nos. 16893 C, 16898-8, 21703 C - - - - -	5
98 A	Screw, for needle lever thread eyelets; also for No. 16894 F- - - - -	5
100 B	Thread Stand Wire, 16 inches long (set screw No. 22632 F-24)- - - - -	20
107	Tension Spring Ferrule - - - - -	7
108	" Regulating Nut, knurled- - - - -	6
109	" Disc, with contact surface 5/64 inch wide, for machines using needle threads the equivalent in size of No. 50 and smaller- - - - -	7
109 B	Tension Disc, with contact surface 1/8 inch wide, for machines using needle threads the equivalent in size of No. 40 and larger- - - - -	7
110-3	Tension Spring, .040 inch diameter wire, for lower strip holder on Styles 16800 B, 16800 C - - - - -	7
110-4	Tension Spring, .049 inch diameter wire, for lower strip holder on Styles 16800 G, 16800 P - - - - -	7
V113	Tap, marked "Q 2", for stud No. 86 A - - - - -	11
116	Wrench, for 9/32 inch hexagon nuts - - - - -	12
118 B	Thread Tweezers- - - - -	12
V118	Tap, marked "X 2", for screw No. 22754 - - - - -	11
119 A	Pivot Stud, for bib folder on Styles 16800 G, 16800 P- - - - -	6
136	Screw, for looper thread differential crank shaft support- - - - -	6
137	Needle Thread Controller Thread Eyelet, for Styles 16800 B, 16800 C, 16800 D, 16800 E, 16800 G- - - - -	10
138	Needle Thread Controller Thread Eyelet Screw, also for No. 16894 P - - - - -	5
#139 A	Needle Thread Controller Lever Assembly- - - - -	17
141	Screw, for needle thread controller lever- - - - -	6
150	Stop Screw, for cloth plate slides - - - - -	5

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## 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. Refer to pink insert for prices.	Plate No.
154	Needle Lever Buffer, wood fibre- - - - -	11
156	" " Ball- - - - -	8
162	" Bar Connection, for Styles 16800 B, 16800 C, 16800 D, 16800 E - - - - -	9
167	Eccentric Pulley, throw .461 inch, for Styles 16800 B, 16800 C, 16800 D, 16800 E (spot screw No. 22597, set screw No. 22597 A)- - - - -	17
167 X	Eccentric Pulley, throw .634 inch, for Style 16800 P (spot screw No. 22597, set screw No. 22597 A) - - - - -	17
168 B	Presser Spring - - - - -	16
187 A	Screw, for frame thread guide on Styles 16800 B, 16800 C, 16800 D, 16800 E, 16800 G - - - - -	5
201 A	Lower Strip Holder Frame, for Styles 16800 B, 16800 C - - - - -	23
201 C	Thumbscrew, for lower strip holder axle- - - - -	6
202 A	Needle Thread Take-up Wire Post, for Styles 16800 B, 16800 C, 16800 D, 16800 E, 16800 G (screw No. 94) - - - - -	4
258	Check Nut, for looper drive eccentric connection ball joint- - - - -	6
269	Loop Spreader Shaft Connecting Rod Nut, left thread, also for No. 16890 A - - - - -	6
300	Safety Lock Latch Pin (set screw No. 88) - - - - -	16
413	Oil Can, complete- - - - -	22
416 A	Lifter Lever Extension (screw No. 93 A)- - - - -	21
416 B	" " Casting (stud No. 420)- - - - -	21
420	" " Stud- - - - -	6
421	" " Chain, 38 inches long - - - - -	12
422	" Treadle - - - - -	22
423	" " Base- - - - -	12
424	" " Pin (screw No. 22813) - - - - -	16
426	" Lever Spring- - - - -	7
426 A	" " Pin- - - - -	11
482	Feed Rocker Shaft Collar (screw No. 98)- - - - -	16
Y500-257	Expansion Reamer, for needle bars, size .257 inch - - - - -	21
Y502-319	" " for presser bars and presser guide bars, size .319 inch - - - - -	21
Y502-322	" " size .322 inch - - - - -	21
Y502-325	" " size .325 inch - - - - -	21
Y502-328	" " size .328 inch - - - - -	21
Y502-331	" " size .331 inch - - - - -	21
Y505-407	" " for feed rocker shaft, size .407 inch- - - - -	21
Y505-410	" " size .410 inch - - - - -	21
Y505-413	" " size .413 inch - - - - -	21
Y505-416	" " size .416 inch - - - - -	21
Y505-419	" " size .419 inch - - - - -	21
Y506-530	" " for main shaft, size .530 inch - - - - -	21



## 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. Refer to pink insert for prices.	Plate No.
Y510-200	Expansion Reamer, for loop spreader shaft, size .200 inch - - - - -	21
531	Set Screw, for loop spreader shaft guide pin	5
538	Screw, for puller bed shim - - - - -	5
604	" for right presser foot bottom yielding section tilting spring on Styles 16800 G, 16800 P - - - - -	5
605	" for presser foot yielding section spring, also for Nos. 16167-8, 16241 A	5
605 A	" for regulating tension on presser foot yielding section spring - - - - -	5
650-28	Stove Bolt, flat head, 1/4 x 3 1/2 inches, for fastening machine to table - - - - -	--
650 X-18	Carriage Bolt, 5/16 x 2 1/4 inches, for attaching "Electro Drive" - - - - -	--
650 X-22	Carriage Bolt, 5/16 x 2 3/4 inches, for attaching "Electro Drive" - - - - -	--
650 X-32	Carriage Bolt, 5/16 x 4 inches, for attaching "Electro Drive" - - - - -	--
652-16	Washer, 1/4 inch - - - - -	--
652-20	" 5/16 inch - - - - -	--
652 C-9	Shake-Proof Lock Washer, for needle bar eyelets - - - - -	6
660-73	Needle Thread Lubricator Oil Reservoir, for Style 16800 P - - - - -	--
660-74	Needle Thread Lubricator Oil Tube Connection Sleeve, for Style 16800 P - - - - -	7
660-75	Needle Thread Lubricator Oil Tube Connection Sleeve Coupling, for Style 16800 P - - - - -	6
660-112	Spring and Catch, for trays - - - - -	11
719	Screw, for adjusting feed dog section holder clamp - - - - -	5
Y802	Taper Reamer, for needle lever link pin - - -	21
1068	Needle Lever Thread Eyelet (screw No. 98 A)	15
1096	Screw, for needle seat blocks - - - - -	5
‡1230 A	Needle Lever Connecting Rod Upper Bearing (screw No. 22587) - - - - -	17
1230 B	" " Connecting Rod Upper Bearing Valve Spring - - - - -	7
1230 C	" " Connecting Rod Tube (nut, left thread, No. 15430 C, nut, right thread, No. 15430 D) - - - - -	16
1230 D	" " Connecting Rod Upper Bearing Valve (valve screw No. 22586 A)	11
1276	" " Stud, cone bearing - - - - -	18
1280	" " Stud Ball Clamp Bolt Nut - - - - -	6
1286	" " Link Pin Assembly; one each Nos. 1286 A, 1286 B, 12964 C, 22560 - - - - -	8
1286 A	Needle Lever Link Pin (set screw, upper, No. 77, set screw, lower, No. 78) - - - - -	8

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## 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. Refer to pink insert for prices.	Plate No.
1286 B	Needle Lever Link Pin Spring (screw No. 22560) - - - - -	7
1346	Tension Post, 1 11/16 inches long - - - - -	7
1347	" Post Ferrule, 5/16 inch long - - - - -	7
1349 A-3	" Spring, .028 inch diameter wire, for looper threads - - - - -	7
1349 A-4	" Spring, .036 inch diameter wire, for needle threads - - - - -	7
1361 A	Presser Spring Pin - - - - -	11
1755	Hand Lifter (stud No. 86) - - - - -	18
2538	Needle Thread Controller Rack Supporting Collar, for Styles 16800 G, 16800 P (screw No. 88) - - - - -	7
6042	Needle Lever Ball Clamp Bolt - - - - -	6
6042 A	" " " " Washer - - - - -	6
6060	Main Shaft Bushing, left - - - - -	8
6090 A	Needle Lever Stud Sleeve - - - - -	18
6091	" " Nut, front, hexagonal - - - - -	6
6091 A	" " rear, cylindrical - - - - -	6
6092	" " Stud Sleeve Key - - - - -	11
6093	" " Cone (set screw No. 88) - - - - -	8
7462	Main Shaft Bushing, right (spot screw No. 22590) - - - - -	21
7484 A	Feed Rocker Arm (screw No. 22596) - - - - -	21
7917	Needle Bar (set screw No. 88 A) - - - - -	16
9961 A	Looper Shaft Bell Crank Lever Stud - - - - -	18
9961 B	" " " " Cone (screw No. 88) - - - - -	18
11261 A	Tension Post, 1 7/8 inches long - - - - -	7
11261 B	" Post Ferrule, 31/64 inch long - - - - -	7
11354	Looper Shaft Crank Ball Stud (nut No. 12934 A) - - - - -	8
11638 M	Needle Lever Cone Adjusting Nut - - - - -	6
11721	Eccentric Pulley, throw .588 inch, for Style 16800 G (spot screw No. 22597, set screw No. 22597 A) - - - - -	17
11997	Needle Holder Thread Eyelet, for Style 16800 P (screw No. 73 A) - - - - -	15
12538	Feed Drive Eccentric Connection Ball Stud Nut - - - - -	6
12873	Needle Bar Bushing, upper, 25/32 inch long (clamp screw No. 22569) - - - - -	8
12873 A	Needle Bar Bushing, lower, 5/8 inch long (clamp screw No. 22569) - - - - -	8
12934 A	Looper Shaft Crank Ball Stud Nut - - - - -	6
12964 C	Needle Lever Link Pin Ball - - - - -	6
15036 B	Loop Spreader Shaft Guide Pin (set screw No. 531) - - - - -	11
15430 C	Needle Lever Connecting Rod Tube Nut, left thread, also for No. 21708 - - - - -	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. Refer to pink insert for prices.	Plate No.
15430 D	Needle Lever Connecting Rod Tube Nut, right thread, also for No. 21708-	6
15430 L	Needle Lever Connecting Rod Tube Felt	18
15430 M	" " Connecting Rod Lower Bearing (screw No. 22587)	17
15443	Main Shaft Crank Ball Stud- - - - -	8
15444	" " Crank Ball Stud Washer, wood fibre - - - - -	6
15478 B	Stitch Regulator Plate (screw No. 22589)- - - - -	7
15485	Feed Drive Eccentric (screw No. 22588 B) - - - - -	18
15487	" " Connection Ball (nut No. 12538) - - - - -	8
15488	" " Connection Ball Washer - -	6
15686 A	Stitch Regulator Plate Collar (spot screw No. 96, set screw No. 95) - -	18
16102 C	Cloth Plate Slide, left, 3 7/8 inches long- - - - -	14
16106.	Feed Lift Eccentric, for Styles 16800 B, 16800 C, 16800 D, 16800 E (spot screw No. 96) - - - - -	17
16134 E(12-48-12)	Presser Foot, for No. (12-48-12) gauge Styles 16800 B, 16800 C (set screw No. 88, yielding section spring No. 16194, spring attaching screw, No. 605, spring regulating screw No. 605 A, strip guide, right No. 16194 C, strip guide, left, No. 16194 D, strip guide screw No. 73 A)	3
16134 E(12-64-12)	Presser Foot, for No. (12-64-12) gauge (set screw No. 88, yielding section spring No. 16194, spring attaching screw No. 605, spring regulating screw No. 605 A, strip guide, right, No. 16194 C, strip guide, left, No. 16194 D, strip guide screw No. 73 A) - - - - -	3
16134 E(16-48-16)	Presser Foot, for No. (16-48-16) gauge (set screw No. 88, yielding section spring No. 16194, spring attaching screw No. 605, spring regulating screw No. 605 A, strip guide, right, No. 16194 C, strip guide, left, No. 16194 D, strip guide screw No. 73 A) - - - - -	3

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## 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. Refer to pink insert for prices.	Plate No.
16134 E(16-64-16)	Presser Foot, for No. (16-64-16) gauge (set screw No. 88, yielding section spring No. 16194, spring attaching screw No. 605, spring regulating screw No. 605 A, strip guide, right, No. 16194 C, strip guide, left, No. 16194 D, strip guide screw No. 73 A) - - - - -	3
16134 J(12-64-12)	Presser Foot, for No. (12-64-12) gauge Style 16800 D (set screw No. 88, hinge stud No. 86 X, yielding section spring No. 16194, spring attaching screw No. 605, spring regulating screw No. 605 A) - - - - -	3
16134 K(12-64-12)	Presser Foot, for No. (12-64-12) gauge Style 16800 E (set screw No. 88, hinge stud No. 86 X, yielding section spring No. 16194, spring attaching screw No. 605, spring regulating screw No. 605 A) - - - - -	3
16134 K(16-48-16)	Presser Foot, for No. (16-48-16) gauge (set screw No. 88, hinge stud No. 86 X, yielding section spring No. 16194, spring attaching screw No. 605, spring regulating screw No. 605 A) - - - - -	3
16134 K(16-64-16)	Presser Foot, for No. (16-64-16) gauge (set screw No. 88, hinge stud No. 86 X, yielding section spring No. 16194, spring attaching screw No. 605, spring regulating screw No. 605 A) - - - - -	3
16134 K(16-72-16)	Presser Foot, for No. (16-72-16) gauge (set screw No. 88, hinge stud No. 86 X, yielding section spring No. 16194, spring attaching screw No. 605, spring regulating screw No. 605 A) - - - - -	3
16154(12-48-12)	Needle Holder, for No. (12-48-12) gauge Styles 16800 B, 16800 C (spot screw No. 89) - - - - -	15
16154(12-64-12)	Needle Holder, for No. (12-64-12) gauge Styles 16800 B, 16800 C, 16800 D, 16800 E (spot screw No. 89) - - - - -	15
16154(16-48-16)	Needle Holder, for No. (16-48-16) gauge Styles 16800 B, 16800 C, 16800 E (spot screw No. 89) - - - - -	15
16154(16-64-16)	Needle Holder, for No. (16-64-16) gauge Styles 16800 B, 16800 C, 16800 E (spot screw No. 89) - - - - -	15

## 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. Refer to pink insert for prices.	Plate No.
16154(16-72-16)	Needle Holder, for No. (16-72-16) gauge Style 16800 E (spot screw No. 89) - - - - -	15
16164	Tension Post Ferrule, for strip tension on Styles 16800 G, 16800 P - - - - -	7
16165-8	Tension Plate (screw No. 80) - - -	21
16166	" " Bracket (screw No. 22548) - - - - -	21
16167-8	" " Thread Guide (screw No. 605) - - - - -	21
16171	Feed Bar Prong and Sponge (screw No. 94) - - - - -	18
16172	" " Prong Sponge - - - - -	18
16176	Feed Drive Eccentric Connection (screw, upper, No. 97 A, screw, lower, No. 75 A) - - - - -	18
16179	Feed Dog Screw Nut - - - - -	2
16183	Needle Bar Forked Guide, for Styles 16800 B, 16800 C, 16800 D, 16800 E (clamp screw No. 97) - -	9
16184 A-4(12-48-12)	Needle Seat Block, for No. (12-48-12) gauge Styles 16800 B, 16800 C - - - - -	15
16184 A-4(12-64-12)	Needle Seat Block, for No. (12-64-12) gauge Styles 16800 B, 16800 C, 16800 D, 16800 E - - -	15
16184 A-4(16-48-16)	Needle Seat Block, for No. (16-48-16) gauge Styles 16800 B, 16800 C, 16800 E - - - - -	15
16184 A-4(16-64-16)	Needle Seat Block, for No. (16-64-16) gauge Styles 16800 B, 16800 C, 16800 E - - - - -	15
16184 A-4(16-72-16)	Needle Seat Block, for No. (16-72-16) gauge Style 16800 E	15
16191-4	Needle Seat Block Screw No. 1096 Needle Bar Thread Eyelet (screw No. 22768, lock washer No. 652 C-9) - - - - -	15
16194	Presser Foot Yielding Section Spring, for Styles 16800 B, 16800 C, 16800 D, 16800 E, 16800 G, 16800 P (attaching screw No. 605, regulating screw No. 605 A) - - - - -	3
16194 C	Presser Foot Strip Guide, right, for Styles 16800 B, 16800 C (screw No. 73 A) - - - - -	3
16194 D	Presser Foot Strip Guide, left, for Styles 16800 B, 16800 C (screw No. 73 A) - - - - -	3

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# 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. Refer to pink insert for prices.	Plate No.
16196	Shim, 1/8 inch thick, for machine bed (screw No. 87) - - - - -	7
16197-2-16	Needle Holder Thread Eyelet, for Styles 16800 B, 16800 C, 16800 D, 16800 E (screw No. 73 A) - - - - -	10
16198 A	Frame Thread Guide, for Styles 16800 B, 16800 C, 16800 D, 16800 E, 16800 G (screw No. 187 A) - - - - -	4
16241	Spring, for tilting right section of presser foot on Styles 16800 G, 16800 P (screw No. 604) - - - - -	3
16241 A	Spring, for tilting left section of presser foot on Styles 16800 G, 16800 P (screw No. 605) - - - - -	3
16262	Presser Bar, standard diameter .319 inch, for Styles 16800 B, 16800 C, 16800 D, 16800 E - - - - -	16
16263	Presser Bar Connection, for Styles 16800 B, 16800 C, 16800 D, 16800 E (screw, front, No. 88, screw, rear, No. 77) - - - - -	9
16264	Presser Guide Bar, standard diameter .319 inch, for Styles 16800 B, 16800 C, 16800 D, 16800 E - - - - -	16
16801	Cloth Plate, for Styles 16800 B, 16800 C (screw, countersunk head, No. 22574, screw, fillister head No. 93 A) - - - - -	24
16801 A	Cloth Plate, for Styles 16800 D, 16800 E, (screw, countersunk head, No. 22574, screw, fillister head No. 93 A) - - - - -	24
16801 B	Cloth Plate, for Styles 16800 G, 16800 P (screw, countersunk head No. 22574, screw, fillister head, No. 93 A) - - - - -	24
16805 B	Feed Dog Section, middle, for Nos. (12-64-12) (16-64-16) gauge Styles 16800 B, 16800 C, No. (16-48-16) gauge Style 16800 E; also inner left, for No. (12-64-12) gauge Style 16800 D and Nos. (12-64-12) (16-64-16) (16-72-16) gauge Style 16800 E - - - - -	1
16805 D-12	Feed Dog Section, for No. (12-48-12) gauge Styles 16800 B, 16800 C; also outer section for No. (12-64-12) gauge Styles 16800 B, 16800 C - - - - -	1
16805 D-16	Feed Dog Section, for No. (16-48-16) gauge Styles 16800 B, 16800 C; also outer section, for No. (16-64-16) gauge Styles 16800 B, 16800 C - - - - -	1
16805 E-12	Feed Dog Section, outer, right, for No. (12-64-12) gauge Styles 16800 D, 16800 E	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. Refer to pink insert for prices.	Plate No.
16805 E-16	Feed Dog Section, outer, right, for Nos. (16-48-16) (16-64-16) (16-72-16) gauge Style 16800 E- - - - -	2
16805 F-12	Feed Dog Section, outer, left, for No. (12-64-12) gauge Styles 16800 D, 16800 E	1
16805 F-16	Feed Dog Section, outer, left, for Nos. (16-48-16) (16-64-16) (16-72-16) gauge Style 16800 E- - - - -	1
16805 U	Feed Dog Section, inner, right, for No. (12-64-12) gauge Styles 16800 D, 16800 E and No. (16-64-16) gauge Style 16800 E - -	1
16806 G	Feed Dog Section Screw No. T22 Feed Dog Section Screw Nut No. 16179 Feed Lift Eccentric, for Styles 16800 G, 16800 P (spot screw No. 96)- - - - -	8
16808	Looper, for Styles 16800 B, 16800 C, 16800D, 16800 E, 16800 G (set screw, headless, No. 22565 C, set screw, fillister head, No. 22564) - - - - -	1
16808 P	Looper, for Style 16800 P (set screw No. 22565 C) - - - - -	1
16811 B	Loop Spreader, single, for Styles 16800 B, 16800 C, 16800 D, 16800 E, 16800 G (screw No. 22733) - - - - -	4
16814 A	Looper Drive Eccentric (spot screw No. 81, set screw No. 95)- - - - -	8
16814 B	Looper Drive Eccentric Flange (screw No. 22564) - - - - -	7
16815 A	Needle Lever - - - - -	20
16822 A	Main Shaft, standard diameter .530 inch- - -	20
16826 E-16	Feed Dog Section, outer, for No. (16-64-16) gauge Styles 16800 G, 16800 P- - - - -	2
16826 F	Feed Dog Section, middle, for No. (16-64-16) gauge Styles 16800 G, 16800 P- - - - -	2
16826 G-12	Feed Dog Section, for No. (12-48-12) gauge Style 16800 G; also outer section, for No. (12-56-12) gauge Styles 16800 G, 16800 P	2
16826 H	Feed Dog Section, middle, for No. (12-56-12) gauge Styles 16800 G, 16800 P- - - - -	2
16830 A	Feed Dog Section Screw No. T22 Feed Dog Section Screw Nut No. 16179 Cloth Plate Slide, rear (stop screw No.150)	14



## 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. Refer to pink insert for prices.	Plate No.
16834 D(12-48-12)	Presser Foot, for No.(12-48-12) gauge Style 16800 G (attaching screw No. 22570, bottom hinge screw No. 22799, yielding section spring No. 16194, yielding section spring attaching screw No. 605, yielding section spring regulating screw No. 605 A, bottom tilting spring, right, No. 16241, tilting spring screw No. 604, bottom tilt- ing spring, left, No. 16241 A, tilting spring screw No. 605)- - -	3
16834 D(12-56-12)	Presser Foot, for No.(12-56-12) gauge Styles 16800 G, 16800 P (attaching screw No. 22570, bottom hinge screw No. 22799, yielding section spring No. 16194, yielding section spring attaching screw No. 605, yielding section spring regu- lating screw No. 605 A, bottom tilting spring, right, No. 16241, tilting spring screw No. 604, bottom tilting spring, left, No. 16241 A, tilting spring screw No. 605)- - - - -	3
16834 D(16-64-16)	Presser Foot, for No.(16-64-16) gauge Styles 16800 G, 16800 P (attaching screw No. 22570, bottom hinge screw No. 22799, yielding section spring No. 16194, yielding section spring attaching screw No. 605, yielding section spring regu- lating screw No. 605 A, bottom tilting spring, right, No. 16241, tilting spring screw No. 604, bottom tilting spring, left, No. 16241 A, tilting spring screw No. 605)- - - - -	3
16844 G(12-48-12)	Throat Plate, for No.(12-48-12) gauge Styles 16800 B, 16800 C- - -	1
16844 G(12-64-12)	Throat Plate, for No.(12-64-12) gauge- - - - -	1
16844 G(16-48-16)	" " for No.(16-48-16) gauge- - - - -	1
16844 G(16-64-16)	" " for No.(16-64-16) gauge- - - - -	1
16844 J(12-64-12)	Throat Plate, for No.(12-64-12) gauge Styles 16800 D, 16800 E- - -	1
16844 J(16-48-16)	Throat Plate, for No.(16-48-16) gauge Style 16800 E- - - - -	1

## 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. Refer to pink insert for prices.	Plate No.
16844 J(16-64-16)	Throat Plate, for No.(16-64-16) gauge Style 16800 E- - - - -	1
16844 J(16-72-16)	Throat Plate, for No.(16-72-16) gauge Style 16800 E- - - - -	1
16844 L(12-48-12)	Throat Plate, for No.(12-48-12) gauge Style 16800 G- - - - -	2
16844 L(12-56-12)	Throat Plate, for No.(12-56-12) gauge- - - - -	2
16844 L(16-64-16)	" " for No.(16-64-16) gauge- - - - -	2
16844 P(12-56-12)	" " for No.(12-56-12) gauge Style 16800 P- - - - -	2
16844 P(16-64-16)	" " for No.(16-64-16) gauge- - - - -	2
	Throat Plate Screw No. 87	
16854 G(12-48-12)	Needle Holder, for No.(12-48-12) gauge Style 16800 G- - - - -	4
16854 G(12-56-12)	Needle Holder, for No.(12-56-12) gauge- - - - -	4
16854 G(16-64-16)	" " for No.(16-64-16) gauge- - - - -	4
16854 P(12-56-12)	" " for No.(12-56-12) gauge Style 16800 P- - - - -	4
16854 P(16-64-16)	" " for No.(16-64-16) gauge- - - - -	4
	Needle Holder Set Screw No. 22830	
16861	Needle Set Screw No. 28 C	
	Needle Holder Brace, for Style 16800 G (screw, upper, No. 90, screw, lower, No. 22513)- - - - -	15
16861 P	Needle Holder Brace, for No. (16-64-16) gauge Style 16800 P (screw, upper, No. 90, screw, lower, No. 22513)- - - - -	15
16861 Q	Needle Holder Brace, for No. (12-56-12) gauge Style 16800 P (screw, upper, No. 90, screw, lower, No. 22513)- - - - -	15
16862	Needle Thread Take-up Wire (screw No. 87 U)- - - - -	11
16864 G	Needle Bar Connection, for Styles 16800 G, 16800 P- - - - -	9
16865	Loop Spreader Holder, for Styles 16800 B, 16800 C, 16800 D, 16800E, 16800 G (screw No. 22593)- - - - -	4
16865 P	Loop Spreader Holder, for Style 16800 P (screw No. 22593)- - - - -	15
16866	Loop Spreader Shaft- - - - -	20
16866 B	" " " Bushing- - - - -	8
16867	" " " Guide (screw No. 91)- - - - -	9



## 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. Refer to pink insert for prices.	Plate No.
16868	Loop Spreader Shaft Connecting Rod (nut, right thread, No. 18, nut, left thread, No. 269)- - - - -	16
‡16868 A	Loop Spreader Shaft Connecting Rod Ball Joint, left (bearing screw No. 97 A, clamp screw No. 22585)	8
16868 B	Loop Spreader Connecting Rod Ball Joint Bushing- - - - -	8
‡16868 C	Loop Spreader Connecting Rod Ball Joint, right (bearing screw No. 97 A)- - - - -	8
16869	Thread Controller Rack and Presser Spring Rest (screw No. 22519)- - -	17
16870 A	Feed Bar (screw No. 88)- - - - -	15
16873 A	" " Shoe (screw No. 94)- - - - -	9
16874	" " Rocker (screw No. 88)- - - - -	21
16878 E	" " Dog Section Holder (screw No. 93)- - - - -	3
16879	" " Dog Section Holder Clamp (attaching screw No. 94, ad- justing screw No. 719)- - - - -	9
16880 A	Looper Carrier (screw pin No. 21756G)	16
16881 A	" " Shaft Connecting Sleeve (screw No. 97)- - - - -	9
16881 B	" " Shaft Bearing Bushing, right	8
16881 C	" " " Bushing, left - - - - -	8
16881 D	Looper Shaft - - - - -	20
‡16882	" " Crank Connecting Rod (screw No. 97 A)- - - - -	18
16883	" " Crank (clamp screw No. 97)- - - - -	9
16884-4(12-56-12)	Needle Seat Block, right section, for No. (12-56-12) gauge Style 16800 P- - - - -	4
16884-4(16-64-16)	Needle Seat Block, right section, for No. (16-64-16) gauge - - - - -	4
16884 A-4(12-56-12)	Needle Seat Block, left section, for No. (12-56-12) gauge Style 16800 P	4
16884 A-4(16-64-16)	Needle Seat Block, left section, for No. (16-64-16) gauge - - - - -	4
16884 G-4(12-48-12)	Needle Seat Block, for No. (12-48-12) gauge Style 16800 G- - - - -	4
16884 G-4(12-56-12)	Needle Seat Block, for No. (12-56-12) gauge- - - - -	4
16884 G-4(16-64-16)	Needle Seat Block, for No. (16-64-16) gauge- - - - -	4
	Needle Seat Block Screw No. 1096	

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## 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. Refer to pink insert for prices.	Plate No.
16885 A-2-12	Looper Holder, for No. (12-48-12) gauge Styles 16800 B, 16800 C, 16800 G, No. (12-56-12) gauge Styles 16800 G, 16800P and No. (12-64-12) gauge Styles 16800 B, 16800 C, 16800 D, 16800 E- - - - -	2
16885 A-2-16	Looper Holder, for No. (16-48-16) gauge Styles 16800 B, 16800 C, 16800 E, No. (16-64-16) gauge Styles 16800 B, 16800 C, 16800 E, 16800 G, 16800 P and No. (16-72-16) gauge Style 16800 E - - -	2
16886 A	Looper Holder Clamp (screw No. 87 U) - - -	2
16887 A	" Carrier Guide Latch (screw No. 22734)- - - - -	9
16887 B	" Carrier Guide Latch Spring- - - - -	7
16887 C	" " " " Block (screw No. 22561)- - - - -	9
16887 D	" " " " Plate (screw No. 91)- - - - -	9
16887 F	" " " " Spring Pin- - - - -	11
16887 G	Looper Carrier Guide (clamp screw No. 97, guide screw No. 22767) - - - - -	9
†16890 A	Looper Drive Eccentric Connection Ball Joint (nut, right thread, No. 258, nut, left thread, No. 269)- - - - -	8
16891	Looper Shaft Bell Crank Lever- - - - -	18
16891 A	Frame Looper Thread Guide (screw No. 94)	15
16892 A	Looper Shaft Connecting Sleeve Bushing - - -	8
16892 B	" " Connecting Sleeve Bearing (screw No. 28 C)- - - - -	7
16892 C	" " Link Connection - - - - -	11
16893	" Carrier Safety Lock Latch - - - - -	16
16893 A	" " " " Spring- - - - -	7
16893 B	" " Safety Lock Latch Support (screw No. 22516) - - - - -	16
16893 C	" " Safety Lock Latch Collar (screw No. 98)- - - - -	11
16893 D	Looper Carrier Safety Lock Latch Collar Guard, for Styles 16800 B, 16800 C, 16800 D, 16800 E, 16800 G (screw No. 25 CC) - - - - -	15
16893 E	Looper Carrier Safety Lock Latch Handle (screw No. 25 S) - - - - -	9
16893 P	Looper Carrier Safety Lock Latch Collar Guard, for Style 16800 P (screw No. 25 CC) - - - - -	15
16894-4	Looper Thread Differential Eyelet, for Styles 16800 B, 16800 C, 16800 D, 16800 E, 16800 G (screw No. 77)- - - - -	10
16894 A-4	Needle Lever Thread Guide, for looper threads (screw No. 90) - - - - -	10

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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. Refer to pink insert for prices.	Plate No.
16894 B	Looper Thread Differential Eyelet Holder (clamp screw No. 97) - - - -	9
16894 C	Looper Thread Differential Crank Shaft - - - - -	9
16894 D	Looper Thread Differential Crank Shaft Support (screw No. 136) - - -	15
16894 E	Needle Lever Guard Thread Guide, upper, for Styles 16800 B, 16800C, 16800 D, 16800 E, 16800 G (screw No. 93) - - - - -	10
16894 F	Needle Lever Guard Thread Guide, lower (screw No. 98 A) - - - - -	10
16894 G	Frame Looper Thread Guide Wire, for Styles 16800 B, 16800 C, 16800 D, 16800 E, 16800 G - - - - -	10
16894 H	Frame Looper Thread Guide Wire, for Style 16800 P - - - - -	10
16894 J	Looper Thread Differential Guide Wire (screw No. 77) - - - - -	4
16894 P	Needle Thread Controller Thread Guide (screw No. 138) - - - - -	10
16896	Needle Lever Guard (screw No. 93) - -	20
16897 G(12-48-12)	Needle Holder Thread Eyelet, for No. (12-48-12) gauge Style 16800 G (screw No. 73 A) - - - - -	15
16897 G(12-56-12)	Needle Holder Thread Eyelet, for No. (12-56-12) gauge (screw No. 73 A)	15
16897 G(16-64-16)	Needle Holder Thread Eyelet, for No. (16-64-16) gauge (screw No. 73 A)	15
16898-8	Frame Thread Eyelet, with eight holes (screw No. 98) - - - - -	10
16898 A-4	Looper Thread Take-up Eyelet, for Style 16800 P (screw No. 94) - - -	10
16898 B-4	Frame Looper Thread Eyelet, for Style 16800 P (screw No. 94) - - -	10
16898 C-4	Looper Thread Separating Eyelet for Style 16800 P (screw No. 22561) - -	10
17102	Cloth Plate Slide, left, 3 11/16 inches long, for No. (16-64-16) gauge Styles 16800 G, 16800 P - - -	14
21104 B-11	Thread Stand Rod, 11 inches long (set screw No. 22591) - - - - -	20
21113 A	Thread Stand Wire Extension, 6 inches long (set screw No. 22632 F-24) - - - - -	16
21113 B	Thread Stand Wire Coupling (screw No. 88) - - - - -	11
21114 A	Thread Stand Base (screw No. 22591)	23
21130 A-4	" " Seat, for four spools (set screw No. 69 FD)	23
21145	Cone, wood, for thread stand - - - -	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. Refer to pink insert for prices.	Plate No.
21176 A	Lower Strip Holder Assembly, 8 inch discs, for Styles 16800 B, 16800 C; one each Nos. 110-3, 201 A, 201 C, 21385 B; two No. 21178 (specify component parts in ordering)-	23
21178	Lower Strip Holder Disc, 8 inches diameter, for Styles 16800 B, 16800 C-	23
21178 A	Lower Strip Holder Disc, 11 inches diameter, for Styles 16800 G, 16800 P-	23
21179	Lower Strip Holder Frame, for Styles 16800 G, 16800 P-	23
21182 K	Strip Tension Plate, outer, for Styles 16800 G, 16800 P-	--
21182 L	Strip Tension Plate, inner, for Styles 16800 G, 16800 P-	--
21182 N	Strip Tension Assembly, for Styles 16800 G, 16800 P; one each Nos. 21182 K, 21182 L, 21182 P; two each Nos. 107, 108, 110-3, 1346, 16164-	15
21182 P	Strip Tension Base, for Styles 16800 G, 16800 P-	--
21201	Screw Driver, 9/64 inch round blade, length overall 7 5/8 inches-	22
21202	Screw Driver, 7/32 inch round blade, length overall 11 1/4 inches-	22
21203	Screw Driver, 13/64 inch round blade, length overall 15 1/2 inches-	22
21204	Screw Driver, 9/32 inch round blade, length overall 15 inches-	22
21205 A	Screw Driver, 3/8 inch round blade, length overall 14 inches-	22
21206	Screw Driver Wrench-	22
21207	Screw Driver, 7/64 inch round blade, length overall 2 1/2 inches-	12
21208	Screw Driver Set, three detachable blades-	22
21225-7/32	Looper Adjusting Gauge, 7/32 inch measurement-	11
21231	Thread Meter, for recording the consumption of thread in yards as it passes into the sewing machine-	20
21233 N	Connector, with BX cable, for D. C. "Electro Drives"-	--
21233 P	Connector, with BX cable, for single and three phase "Electro Drives" -	--
21233 R	Light Fixture Assembly, including bulb and blue lens, machine mounting, for machines driven by "Electro Drive" -	--
21233 S	Light Fixture Assembly, including bulb and clear lens, machine mounting, for machines driven by "Electro Drive" -	--



## 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. Refer to pink insert for prices.	Plate No.
21233 T	Light Fixture Assembly, including bulb but without lens, machine mounting, for machines driven by "Electro Drive" - - - -	--
21236	Belt Plier, for 3/8 inch and smaller round belting - - - - -	22
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	" Tape, 3/32 inch wide, grade No. 180, fifty yard spool - - - -	--
21260 E	" 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 - - - - -	--
21350	Malleable Iron Belt Fastener, for 1 inch flat belt - - - - -	11
21351	Wire Belt Hook, for 9/32 inch round belt- -	11
21355	Chair Leg Extension, 4 inches long- - - -	12
21361	Drive Bushing, 1/2 inch long, external diameter, .407 inch, for presser guide bar - - - - -	8
21362	Drive Bushing, 25/32 inch long, external diameter .407 inch, for upper presser bar bearing - - - - -	8
21363 A	Drive Bushing, 15/16 inch long, for lower presser bar bearing - - - - -	8
21371 Q	Table Drawer- - - - -	--
21371 BT-42	Blank Table Top, 42" x 16" x 1 3/4" - - - -	--
21371 BT-48	" " " 48" long - - - - -	--
21371 BT-54	" " " 54" long - - - - -	--
21371 BT-60	" " " 60" long - - - - -	--
21375 A	Machine Pulley Guard- - - - -	24
21377 B	Tray, 3 19/32 inches high, for Styles 16800 B, 16800 C, 16800 D, 16800 E- - - -	24
21377 F	Tray, 4 13/16 inches high, for Styles 16800 G, 16800 P- - - - -	24
21385 B	Lower Strip Holder Axle, for Styles 16800B, 16800 C, 16800 G, 16800 P - - - -	23
21388	Wrench, for 3/8 inch hexagon nuts - - - -	12
21388 N	" double end, 3/16 and 5/16 inch openings- - - - -	12
21388 R	" double end, 3/8 and 1/2 inch open- ings- - - - -	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. Refer to pink insert for prices.	Plate No.
21394	Utility Grinder, including emery wheel 5 inches diameter, 1/4 inch face, round belt drive, recommended speed 3000 R.P.M. - - - -	--
21394 G	Emery Wheel, 5 inches diameter, 1/4 inch face, 3/8 inch hole, grade "M", emery 60 - - - -	--
21394 H	Emery Wheel, 5 inches diameter, 1/2 inch face, 3/8 inch hole, grade "M", emery 60 - - - -	--
21394 K	Utility Grinder, including emery wheel 5 inches diameter, 1/2 inch face, round belt drive, recommended speed 3000 R.P.M. - - - -	--
21396 C	Needle Thread Lubricator Oil Reservoir Assembly, for Style 16800 P; one each Nos. 660-73, 660-74, 660-75, 21396 AL, 21396 AM, 21396 AN, 21396 AP (screw No. 94) - - - -	23
21396 AL	Needle Thread Lubricator Oil Reservoir Adapter	--
21396 AM	" " " " " Bracket	--
21396 AN	" " Lubricator Oil Reservoir Oil	--
21396 AP	" " Tube Clip - - - - -	--
21396 AV	" " Lubricator Oil Reservoir Oil	--
21602	" " Tube - - - - -	--
21698-4	" " Lubricator, for Style 16800 P (screw No. 90) - - - - -	14
21698-5	" " Take-up Wire Post; also needle thread lubricator oil reservoir post, for Style 16800 P (screw No. 94) - - - - -	15
21698-6	Vibration Insulator, four inches long - - - -	14
	" " five inches long - - - -	14
	" " six inches long - - - -	14
	Note: Special lengths will be furnished on request. Part of the table leg is shown in the illustration for clarity.	
21701 W	Base Plate, for Styles equipped with puller - - - -	--
21703 C	Puller Driving Eccentric, throw .203 inch, stitch range 7 to 13 per inch, for Styles 16800 G, 16800 P (spot screw No. 81, set screw No. 98) - - - - -	18
‡21707	Puller Driving Eccentric Bearing (screw No. 22587) - - - - -	18
21708	Puller Driving Eccentric Connecting Rod (nut, left thread, No. 15430 C, nut, right thread, No. 15430 D) - - - - -	16
21740 A	Bed Shim, for styles equipped with puller (screw No. 538) - - - - -	7
21756 G	Screw Pin, for looper carrier - - - - -	5
22509	Set Screw, square head, cup point, 5/16 inch diameter, 18 threads per inch, 1/2 inch long, for thread stand rod - - - - -	6
22513	Screw, lower, for needle holder brace on Styles 16800 G, 16800 P - - - - -	5

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## 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. Refer to pink insert for prices.	Plate No.
22514	Screw, 7/16 inch long, for cloth plate attachments- - - - -	6
22516	" for looper carrier safety lock latch support- - - - -	5
22519	" hexagon head, for thread controller rack and presser spring rest - - - -	5
22528	" for feed dog holder support; also for No. 23402 A- - - - -	5
22539	Plug Screw, for cloth plates- - - - -	6
22548	Screw, for tension plate bracket- - - - -	5
22560	" for needle lever link pin spring - -	5
22561	" for looper carrier guide latch block; also for No. 16898 C-4- - - -	5
22564	Set Screw, fillister head, for loopers; also for No. 16814 B - - - - -	5
22565 C	" " headless, for loopers- - - - -	5
22569	Clamp Screw, for needle bar bushing - - -	6
22570	Screw, for presser feet on Styles 16800 G, 16800 P- - - - -	5
22574	" countersunk head, for cloth plates	6
22585	Clamp Screw, for left loop spreader shaft connecting rod ball joint - - - - -	5
22586	Plug Screw, for looper shaft bell crank lever eccentric bearing - - - - -	5
22586 A	Screw, for needle lever connecting rod upper bearing valve spring- - - - -	5
22587	Screw, for needle lever connecting rod bearings; also for No. 21707- - - - -	6
22588 B	Screw, for feed drive eccentric - - - - -	5
22589	" for stitch regulator plate - - - - -	5
22590	Set Screw, for right main shaft bushing - -	5
22591	Set Screw, headless, for thread stand rod	--
22593	Screw, for loop spreader holder - - - - -	5
22596	Clamp Screw, for feed rocker arm- - - - -	6
22597	Spot Screw, for eccentric pulleys - - - -	5
22597 A	Set Screw, for eccentric pulleys- - - - -	5
22632 F-24	Set Screw, square head, cup point, 3/16 inch diameter, 3/8 inch long, 24 threads to inch, for thread stand wires - - - -	5
22730	Screw, for attaching folder to base on Styles 16800 D, 16800 E - - - - -	5
22733	Set Screw, for loop spreaders - - - - -	5
22734	Hinge Screw, for looper carrier guide latch	5
22743	Set Screw, headless, .151 inch diameter, for link pins - - - - -	5
22754	Screw, plus size, countersunk head, for cloth plates (tap No. V118) - - - - -	6
22767	Guide Screw, for looper carrier guide - - -	5
22768	Screw, for looper carrier guide, also for No. 16191-4 - - - - -	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. Refer to pink insert for prices.	Plate No.
22799	Hinge Screw, for presser foot bottom sections on Styles 16800 G, 16800 P	5
22813	Set Screw, for lifter treadle pin- - -	5
22830	Spot Screw, for needle holder on Styles 16800 G, 16800 P- - - - -	5
23144	Spring Washer, for bib folder on Styles 16800 G, 16800 P- - - - -	6
23293 B	Band Folder Bracket, for Styles 16800 G, 16800 P (screw No. 25 C) - -	19
23293 D-72	Band Folder, for No. (12-48-12) gauge Style 16800 G (screw No. 25 C) - - -	19
23293 D-80	Band Folder, for No. (12-56-12) gauge Styles 16800 G, 16800 P (screw No. 25 C) - - - - -	19
23293 D-96	Band Folder, for No. (16-64-16) gauge Styles 16800 G, 16800 P (screw No. 25 C) - - - - -	19
23296-56	Center Folder, for No. (16-48-16) gauge Styles 16800 B, 16800 C (screw No. 25 C) - - - - -	19
23325 P-96-3/16	Bib Folder, for Styles 16800 G, 16800 P (pivot stud No. 119 A, washer No. 23144) - - - - -	19
23325 Q	Fabric Support, for Styles 16800 G, 16800 P (screw No. 25 C) - - - - -	19
23360 A-1 3/8	Folder, for attaching one piece cen- ters to shirts on No. (16-48-16) gauge Style 16800 E (screw No. 25 C)	19
23360 A-1 3/4	Folder, for No. (16-72-16) gauge (screw No. 25 C) - - - - -	19
23400 A-48	Center Attachment Assembly, 3/64 inch capacity, reversible, tiltable de- sign, without interlining chute, attaches to cloth plate, uses 2 1/4 inch strip either garment or long lengths for No. (12-48-12) gauge Styles 16800 B, 16800 C; one each Nos. 23401 A-48, 22528, 23402, 23402 A; two each Nos. 94, 22514 (specify component parts in ordering)	13
23400 A-64	Center Attachment Assembly, 3/64 inch capacity, reversible, tiltable de- sign, without interlining chute, attaches to cloth plate, uses 2 1/2 inch strip either garment or long lengths, for No. (12-64-12) gauge Styles 16800 B, 16800 C; one each Nos. 23401 A-64, 22528, 23402, 23402 A; two each Nos. 94, 22514 (specify component parts in order- ing- - - - -	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. Refer to pink insert for prices.	Plate No.
23400 A-72	Center Attachment Assembly, 3/64 inch capacity, reversible, tiltable design, without interlining chute, attaches to cloth plate, uses 2 5/8 inch strip either garment or long lengths, for No. (16-64-16) gauge Styles 16800 B, 16800 C; one each Nos. 23401 A-72, 22528, 23402, 23402 A; two each Nos. 94, 22514 (specify component parts in ordering) - - - - -	13
23400 B-48	Facing Strip Folder Assembly, 3/64 inch capacity, reversible, attaches to top of cloth plate, uses 1 1/4 inch strip, which extends 1/16 inch beyond rows of stitches, for No. (12-48-12) gauge Styles 16800 B, 16800 C; one each Nos. 23401B-48, 23402 C, 23403-48; two each Nos. 25 B, 88 A, 22514 (specify component parts in ordering) - - - - -	13
23400 B-64	Facing Strip Folder Assembly, 3/64 inch capacity, reversible, attaches to top of cloth plate, uses 1 1/2 inch strip, which extends 1/16 inch beyond rows of stitches, for Nos. (12-64-12) and (16-64-16) gauge Styles 16800 B, 16800 C; one each Nos. 23401 B-64, 23402 C, 23403-64; two each Nos. 25 B, 88 A, 22514 (specify component parts in ordering) - - - - -	13
23401 A-48	Folder, for assembly No. 23400 A-48 - - - - -	13
23401 A-64	" for assembly No. 23400 A-64 - - - - -	13
23401 A-72	" for assembly No. 23400 A-72 - - - - -	13
23401 B-48	Folder Screws No. 94 Folder, for assembly No. 23400 B-48 (screw No. 88 A) - - - - -	13
23401 B-64	" for assembly No. 23400 B-64 (screw No. 88 A) - - - - -	13
23402	Folder Arm, forked, reversible, for assembly No. 23400 A, all gauges - - - - -	13
23402 A	Folder Arm Base, for assembly No. 23400 A, all gauges (screw No. 22514, clamp screw No. 22528) - - - - -	13
23402 C	Folder Base, reversible, for assemblies Nos. 23400 B (screw No. 22514) - - - - -	13
23402 D	Folder Base, for Style 16800 E-4 (screw No. 25 C) - - - - -	14
23402 E	Folder Base, for Style 16800 D-4 (screw No. 25 C) - - - - -	19
23403-48	Angular Strip Guide, reversible, for assembly No. 23400 B-48 (screw No. 25 B) - - - - -	14
23403-64	Angular Strip Guide, reversible, for assembly No. 23400 B-64 (screw No. 25 B) - - - - -	14



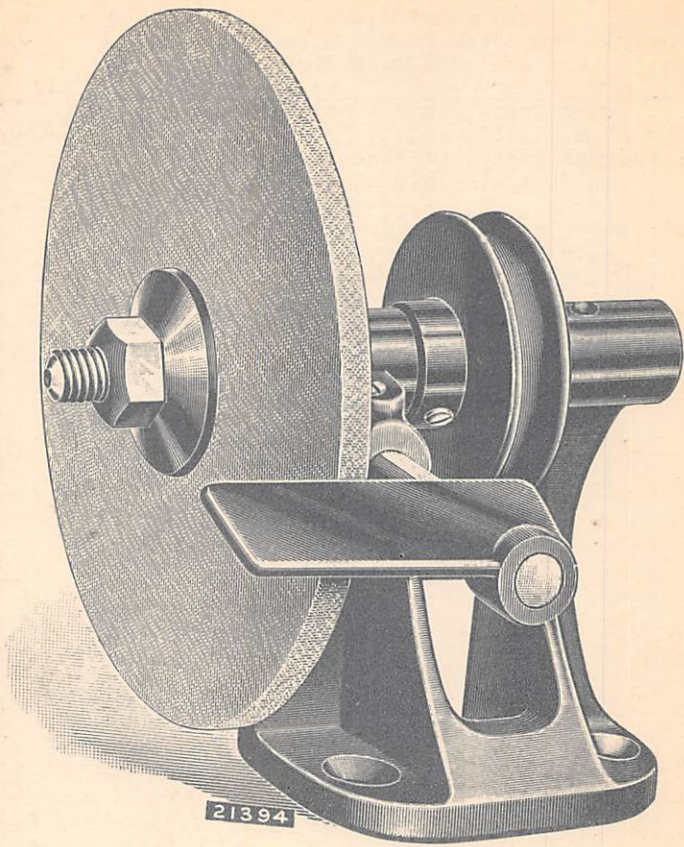
## LIST OF PARTS

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. Refer to pink insert for prices.	Plate No.
23404	Edge Guide, for body of garment on Style 16800 C (screw No. 25 C) - - - - -	14
23404 A	Edge Guide, for body of garment on Style 16800 B (screw No. 25 C) - - - - -	14
23404 B	Edge Guide, for body of garment on Style 16800 E (screw No. 25 C) - - - - -	14
23404 C	Edge Guide, for body of garment on Style 16800 D (screw No. 25 C) - - - - -	14
23406 C-1 5/8	Folder, for attaching one piece centers to shirts, 3 3/4 inch strip, 1 5/8 inch finished width for No. (16-64-16) gauge Style 16800 E - - - - -	19
23406 D-1 1/2	Folder, for attaching one piece centers to shirts, 3 1/2 inch strip, 1 1/2 inch finished width for No. (12-64-12) gauge Style 16800 E - - - - -	19
23406 E-1 1/2	Folder, for attaching one piece centers to shirts, 3 1/2 inch strip, 1 1/2 inch finished width for No. (12-64-12) gauge Style 16800 D - - - - -	19
	Folder Screw No. 22730	
28606-1/2	Powdered Oil Stone, 1/2 pound package - - -	--
28606-1	" " " 1 pound package - - -	--
28604	Transmitter Lubricant, 5 pound package, No. 3 Arctic Cup Grease - - - - -	--
29056 B	Eccentric Pulley Assembly, for Styles 16800 B, 16800 C, 16800 D, 16800 E; one each Nos. 167, 15430 M lapped together	17
29061 B	Eccentric Pulley Assembly, for Style 16800 P; one each Nos. 167 X, 15430 M lapped together - - - - -	17
29066 B	Needle Lever Connecting Rod Upper Bearing Assembly; one each Nos. 1230 A, 156 lapped together Nos. 1230 B, 1230 D, 22586 A - - - - -	8
29070 B	Eccentric Pulley Assembly, for Style 16800 G; one each Nos. 11721, 15430 M lapped together - - - - -	17
29137 A	Feed Drive Eccentric Assembly; one each Nos. 15485, 15487, 16176 lapped to- gether No. 15488 - - - - -	18
29138 C	Puller Driving Eccentric Assembly, for Styles 16800 C, 16800 P; one each Nos. 21703 C, 21707 lapped together - - - - -	18
29304 E	Needle Lever Cone Bearing Stud Assembly; one each Nos. 1276, 6090 A, 6093, lapped together and two each Nos. 88, 11638 M - - - - -	18
29402	Lifter Treadle Assembly; one each Nos. 422, 423, 424, 22813 - - - - -	22



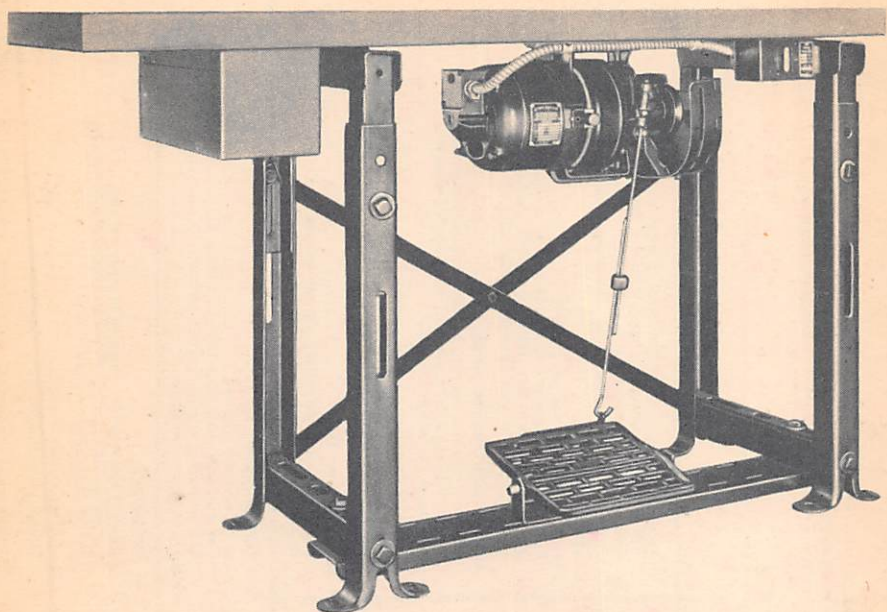
# LIST OF PARTS

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. Refer to pink insert for prices.	Plate No.
29712	Looper Crank Connection Assembly; one each Nos. 16882, 15444, 11354, lapped together - -	18
29713	Looper Eccentric Assembly; one each Nos. 16814 A, 16814 B, 16890, lapped together; two No. 22564 - - - - -	18
29714	Looper Shaft Bell Crank Lever Assembly; one each Nos. 16891, 9961 A, 9961 B, lapped together - - - - -	18
30090 C	Main Shaft Bearing, left and middle - - - - -	8
35582 B	Tension Thread Eyelet, for Style 16800 P - - -	4
41078 B	Main Shaft Bearing Spring Valve Oiler - - - -	7
K50514	Loop Spreader, one piece design, for No. (12-56-12) gauge Style 16800 P (screw No. 22733) - - - - -	4
K51851	Loop Spreader, one piece design, for No. (16-64-16) gauge Style 16800 P (screw No. 22733) - - - - -	4



Utility Grinder





"Electro Drive"

Table Top, drawer, stand, and treadle are shown only  
for clarity and are furnished separately.

# 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..... (From your own records.)		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 _____
(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.)		