

UNITY SEWING SUPPLY CO.
824 E. 8th St.

Los Angeles, CA 90001

UNION SPECIAL

Industrial Sewing Machines

List of Parts

Styles

13100 A

13100 B

13100 C

Catalog No. 56 L

**UNION SPECIAL MACHINE COMPANY
CHICAGO**

CATALOG NO. 56 L

List of Parts

Styles

13100 A

13100 B

13100 C

UNION SPECIAL MACHINE COMPANY

General Office and Factory: 400 North Franklin Street

CHICAGO, ILLINOIS

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BRANCHES—FOREIGN

Union Special Machine Corporation of America.
Union Special Machine Company of Canada, Ltd.
Union Special Machine Company of Canada, Ltd.
Union Special Machine Corporation of America.
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Union Special Machine Corporation of America.
Compagnie des Machines Union Special de France.
Compagnie des Machines Union Special de France.

Belgium, Brussels
Canada, Toronto
Canada, Montreal
Denmark, Copenhagen
England, Leicester
England, London
France, Paris
France, Lyons

UNION SPECIAL MASCHINENFABRIK, G. m. b. H.

General Office and Factory: STUTTGART, GERMANY

BRANCHES AND SERVICE STATIONS, GERMANY

Berlin
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Buenos Aires

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Vienna

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Sydney

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China
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Philippine Islands
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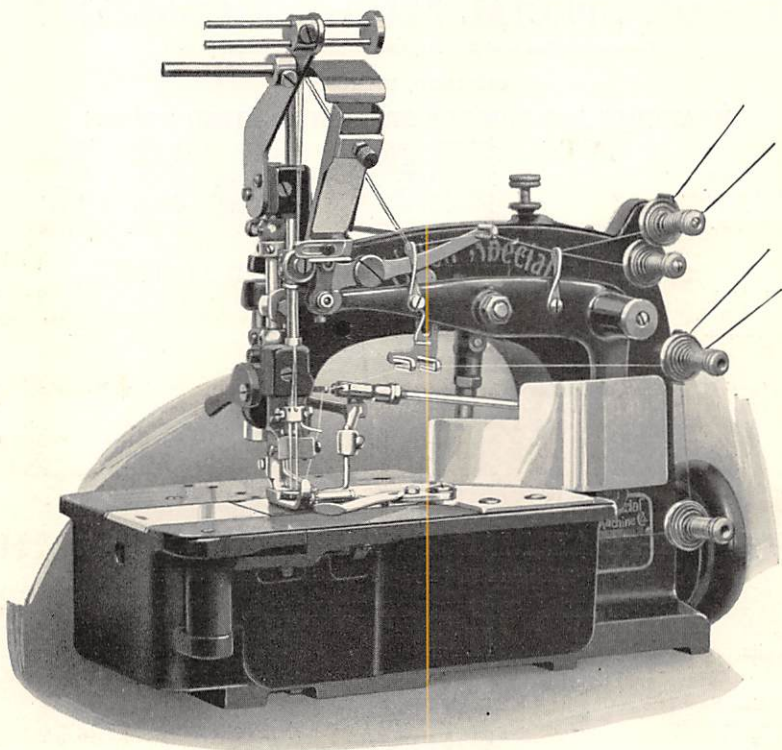
South Africa
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Spain
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Uruguay
Montevideo

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TYPICAL OF STYLES IN CLASS 13100

APPLICATION OF CATALOG

This catalog applies only to the standard styles of machines listed below, but can be applied with discretion to the special machines in Class 13100. Information relative to transmitters is contained in catalog No. 29. Needles are listed and fully described in catalog No. 45. These catalogs will be furnished, gratis, on request.

Style 13100 A-8

Style 13100 B-8

Style 13100 B-10

Style 13100 C-8-1/2 Finished Width

IDENTIFICATION OF MACHINES

A machine equipped with specified parts and fitted for a specific operation is given a **STYLE NUMBER**, the symbol for which is a number evenly divisible by 100, with a letter or letters, suffixed. Example: 13100 A. There are two kinds of style numbers, classified as **STANDARD** and **SPECIAL**. Style numbers of standard machines do not include the letter Z. Style numbers of machines including the letter Z are special. (See description of style 13100 Z below.)

Styles of machines, similar in construction, are grouped and given a **CLASS NUMBER**, the symbol for which is a number evenly divisible by 100, without a letter suffixed. Example: 13100.

STYLES OF MACHINES IN CLASS 13100

Flat Bed, Two Needle, One Looper, Bed 10 Inches Long, Four Thread Interlock Stitch, Inside Needle Lever Drive

- 13100 A For attaching previously made lace and knitted tubing to knitted under garments, non-differential feed.
- 13100 B Fitted with differential feed mechanism, otherwise same as Style 13100 A.
- 13100 C For attaching split tube border to bottoms of step-ins, chemises and similar garments; long length cut edge strip, offset differential feed.
- 13100 Z A special style, similar to the standard styles in Class 13100, having several of the standard parts substituted by corresponding parts, or equipped with additional parts. When only minor changes are made, a "Z" is merely suffixed to the respective standard style number. Example: 13100 AZ.

NEEDLES

TYPE NUMBER Each needle has a type number and size number.

DESCRIPTIONS The former denotes the kind of point, shank, 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 on the needle shank. Collectively, the Type Number and Size Number represent the complete definition of the needle. Type 121 is used in the machines covered by this catalog.



Type 121

Furnished in sizes .025, .027, .032, .036, .040, .044.

USE GENUINE NEEDLES Success in the operation of these machines can be secured only by the use of genuine Union Special Needles, as furnished by the Union Special Machine Company, or its subsidiaries. Obviously, it is to our interest to maintain the reputation of machines by furnishing the very best needle 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." All other needles are bogus.

ORDERING 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 package. An intelligible order would read as follows:

100 Needles Type 121 Size .040.

ORDERING REPAIR PARTS

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

When a given design of presser foot, throat plate or other part is made in two or more gauges or sizes, only one illustration is given. In ordering these pieces, it is necessary that the gauge or size be specified.

LIST OF PARTS Turning from the plates to the list of parts, the definition of each part and its principal uses will be found. Always check the symbol against its definition 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 definition.

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 square in the "Symbol to order by" column indicates that the part is commercial and can be readily purchased in any machinists' supply house.

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

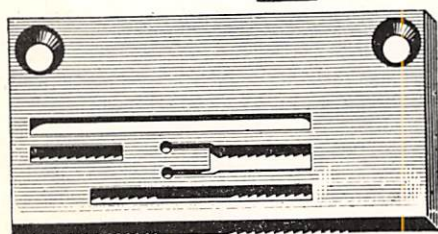
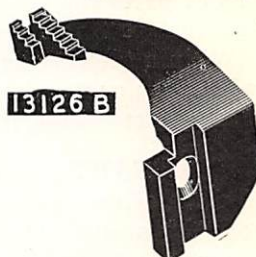
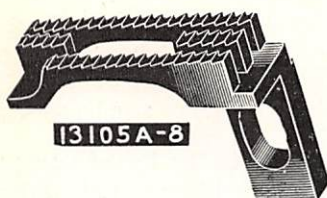
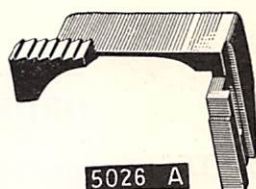
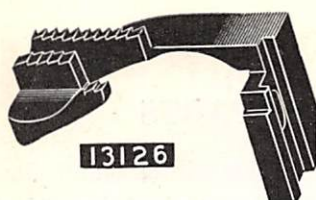
IDENTIFYING PARTS Where the construction permits, each part is stamped with its part number. Some of the smaller parts are stamped with an identification letter to distinguish them from parts similar in appearance.

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, and powdered oil stone will be promptly furnished.

TERMS Prices are strictly net cash and subject to change without notice. Express and freight 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 No. 1—Full Size



Specify
Gauge

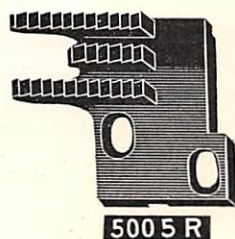
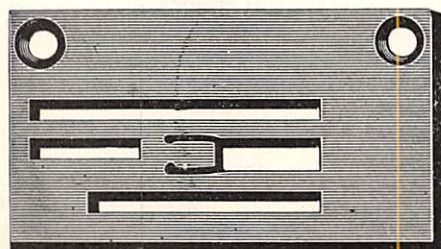
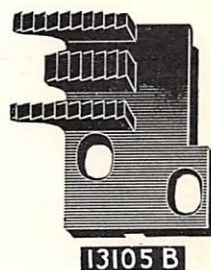
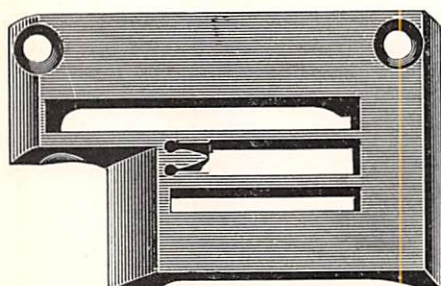
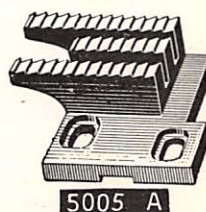
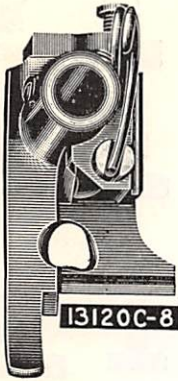


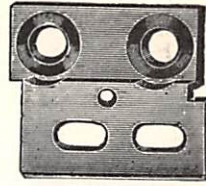
PLATE No. 2—Full Size



13120C-8



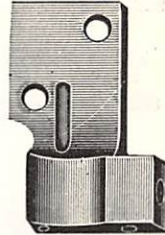
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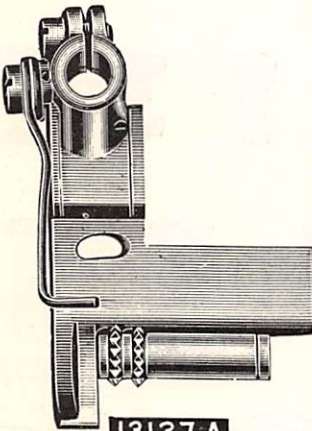
15447 K



13153



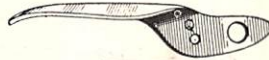
13150 G



13127 A
Specify
Gauge



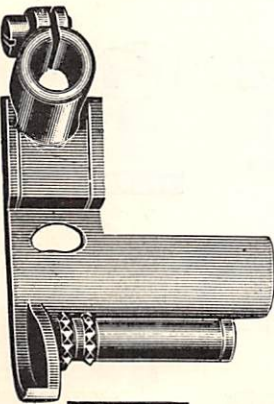
13140



729



3007 A



13127-8



21225 A



21225 - $\frac{3}{32}$

PLATE No. 3—Full Size



PLATE No. 4—Full Size



22735



86



86.A



14076



15446 C



42 A



17



22587



11638 F



22728



141



22632 F-24



22620 H-20



69 F D



22509



33



22568



22539



22540



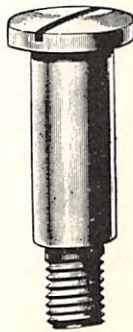
64.A



15745B



15432



420

PLATE No. 5—Full Size



12987 A



41071 G



907



12934 A



7947



479



18



37 R



37 L



269



15467 A



5144



15465 F



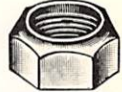
15433



47



15430 C



15430 D



1361 A



84 A



161



15886



540



1230 D



1248



12957 E



48



12964 C



64 B



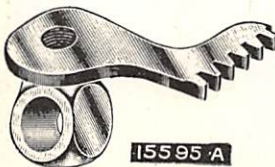
20



7945



380



15595 A



VII 3



V109



VII 8

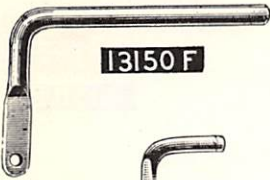
PLATE No. 6—Full Size



1362



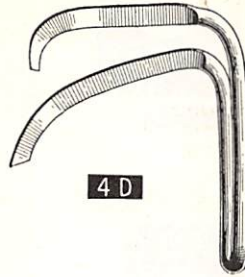
751 A



13150 F



13152 A



4 D



13159 A



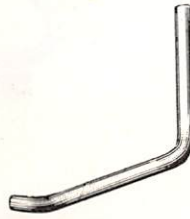
1346



35582 B



15754 A



13150 D



13158



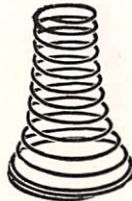
1347



108



1349 A-4



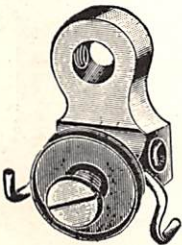
1349 A-3



1286 B



1230 B



15437A



109



1314 8
SPECIFY
INCREMENT



1348A
Specify
Length

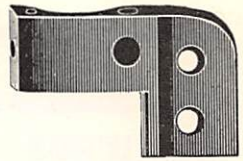
PLATE No. 7—Full Size



15431



15860



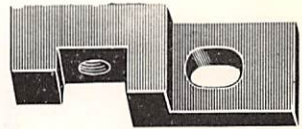
13150 E



21350



21351



15953



6038



6039



478



11354



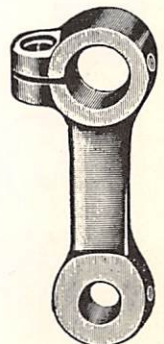
2338



21113B



15436



15446 D

PLATE No. 8—One-Half Size

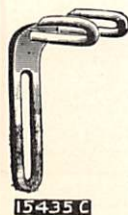


PLATE No. 9—One-Half Size

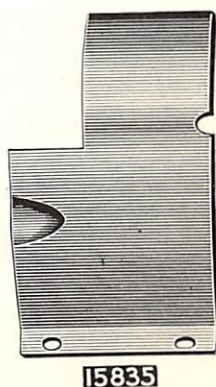
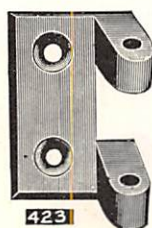
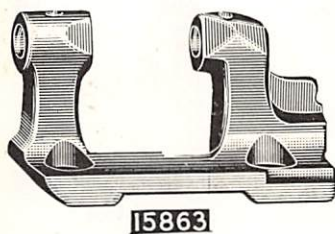
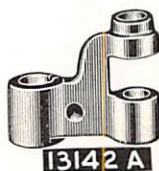
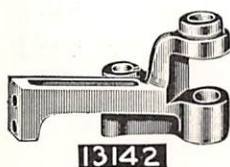


PLATE No. 10—One-Half Size



13130



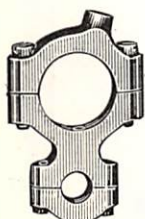
1275 A



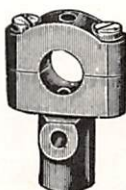
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15855 A



15865



1230 A



29131 B



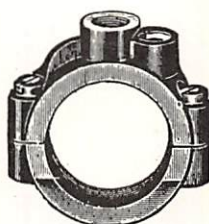
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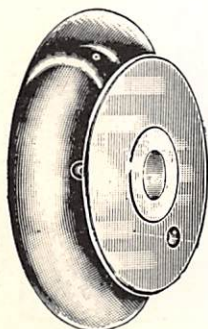
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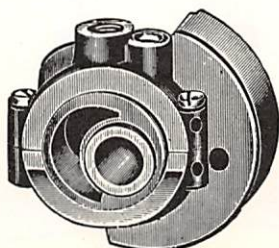
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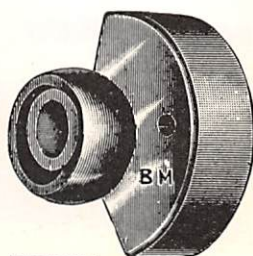
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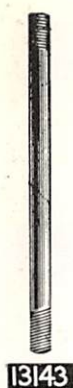


29130 C



15434

PLATE No. 11—One-Half Size



13143



10345



13117
Specify
Gauge



15864



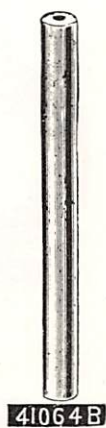
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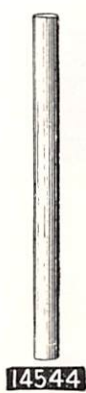
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8



41064B



14544



11



1230C



424

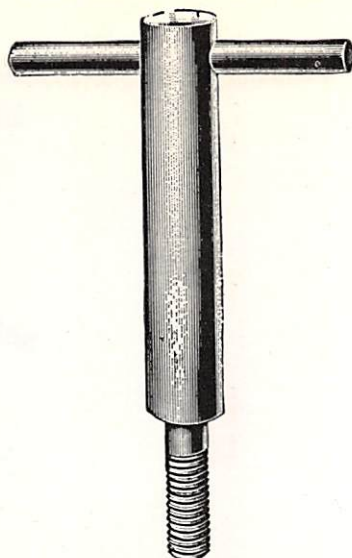


15459

PLATE No. 12—One-Half Size



9932



21681



118 B



15854 B



15995



13145



21388



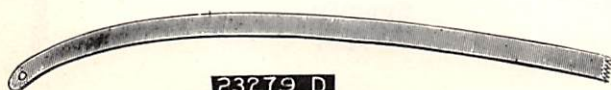
115



21388 B



116

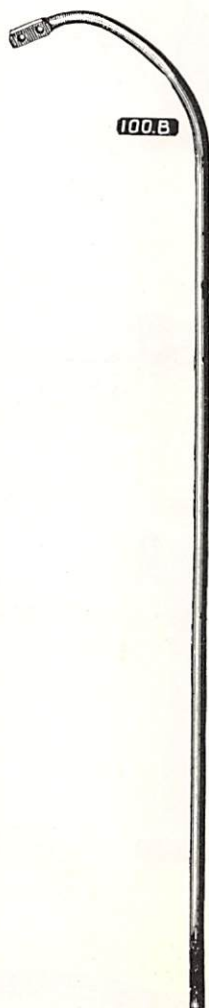
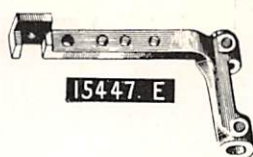
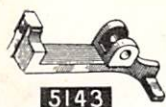


23279 D



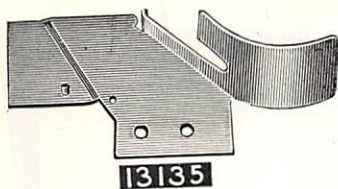
116 A

PLATE No. 13—One-Third Size

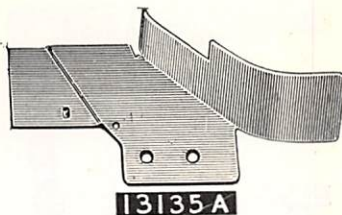


Specify
Length

PLATE No. 14—One-Quarter Size



13135



13135A



15180 A



23306 L



415B



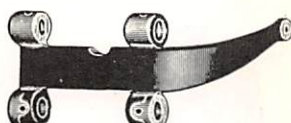
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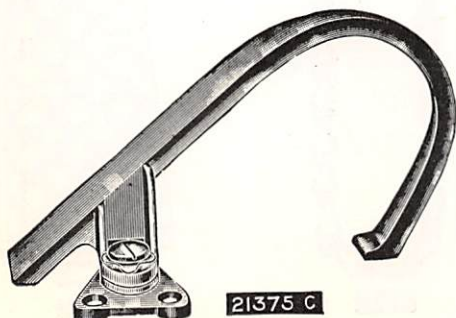
5156



419 A



7



21375 C



5157

PLATE No. 15—One-Quarter Size

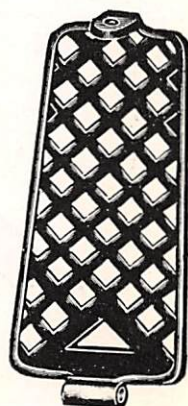
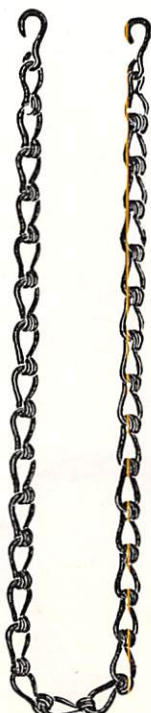
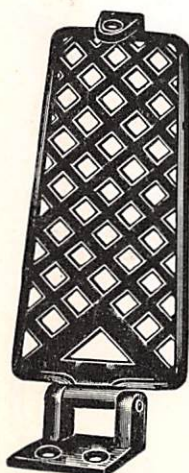
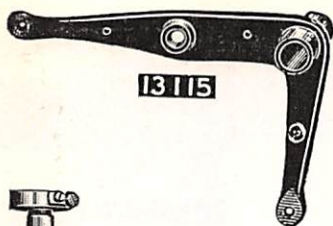


PLATE No. 16—One-Quarter Size

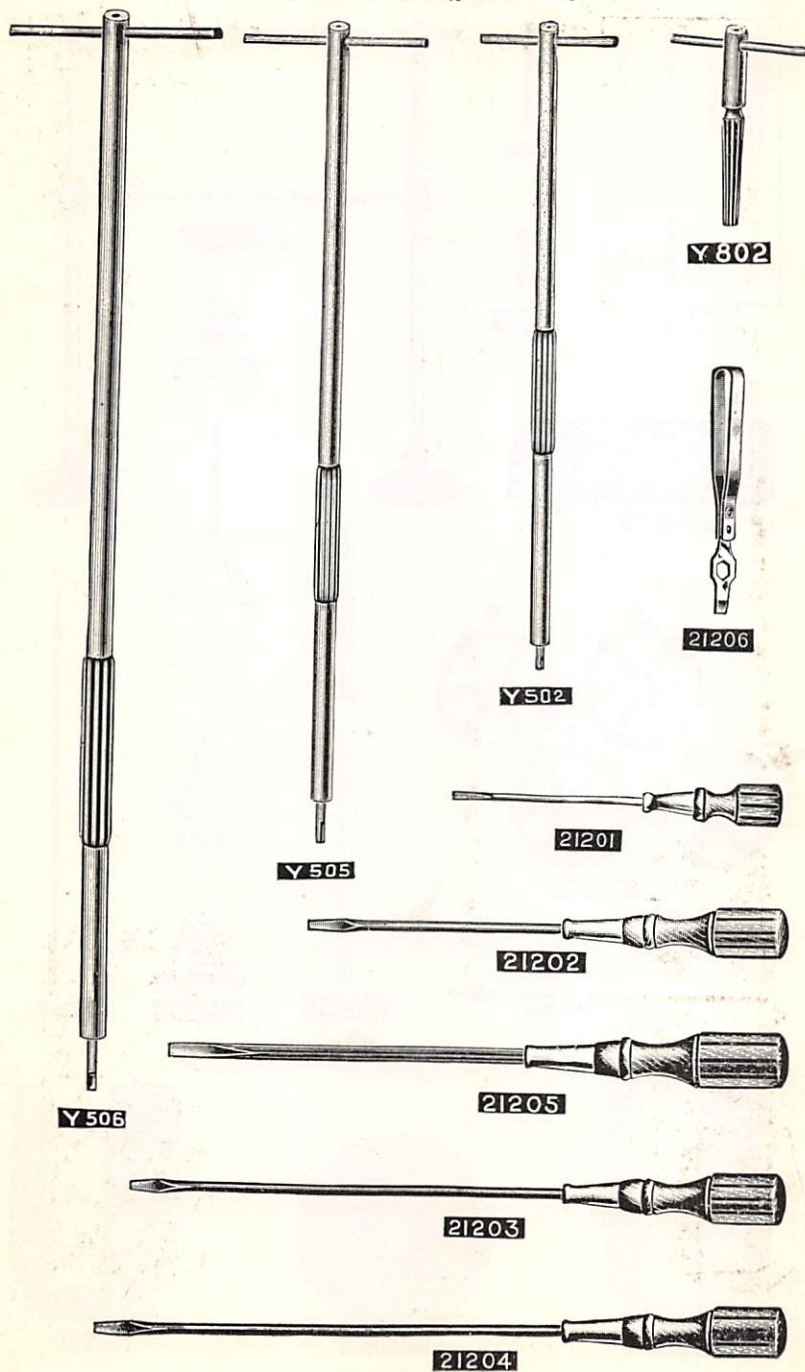
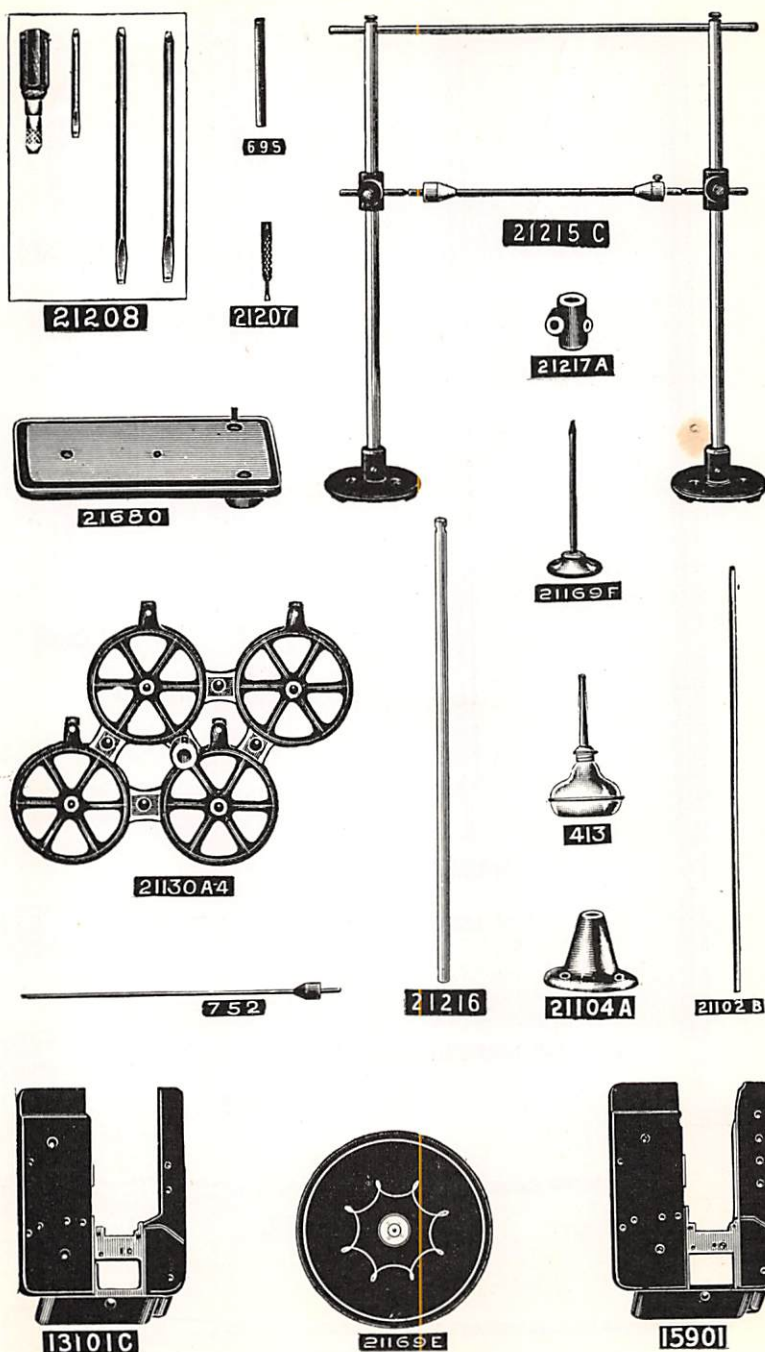


PLATE No. 17—One-Eighth Size



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.
2 A	Cloth Plate Slide.....	9
4 D	Cast-off Wire.....	6
	Cast-off Wire Screw No. 22524.	
5	Main Shaft Collar.....	8
	Main Shaft Collar Screws No. 95.	
7	Feed Rocker for Style 13100 A.....	14
	Feed Rocker Screws No. 88.	
8	Feed Rocker Shaft, $5\frac{3}{16}$ inches long, hardened and ground, standard diameter .407 inch.....	11
8-408	Feed Rocker Shaft, standard diameter plus .001 inch.....	—
8-409	Feed Rocker Shaft, standard diameter plus .002 inch.....	—
8-410	Feed Rocker Shaft, standard diameter plus .003 inch.....	—
8-413	Feed Rocker Shaft, standard diameter plus .006 inch.....	—
8-416	Feed Rocker Shaft, standard diameter plus .009 inch.....	—
8-419	Feed Rocker Shaft, standard diameter plus .012 inch.....	—
8-422	Feed Rocker Shaft, standard diameter plus .015 inch.....	—
10	Feed Bar Prong and Sponge for Style 13100 A.....	9
	Feed Bar Prong Screws No. 94.	
10 A	Feed Bar Prong Sponge.....	—
11	Feed Bar Shaft, $3\frac{7}{16}$ inches long, hardened and ground, for Style 13100 A.....	11
15	Feed Crank Link, hardened.....	13
	Feed Crank Link Shim No. 1248.	
	Feed Crank Link Screw, $\frac{33}{64}$ inch long, No. 22569.	
	Feed Crank Link Screw, $\frac{11}{32}$ inch long, No. 79, obsolete.	
	Feed Crank Link Screw Lock Nut No. 7947.	
16	Feed Crank Link Ferrule.....	8
17	Feed Crank Stud.....	4
18	Feed Crank Stud Nut; also for Nos. 6039, 15864.....	5
19	Feed Crank Stud Cap.....	8
	Feed Crank Stud Cap Screws No. 77.	
20	Feed Crank Stud Washer.....	5
21	Feed Crank Link Pin.....	8
	Feed Crank Link Pin Screw No. 77.	
25 C	Screw, for cloth plate guard; also for No. 23406 F- $\frac{1}{2}$	3
25 CC	Set Screws, for tube tension assembly on Styles 13100 A, 13100 B.....	3
28 B	Screw, headless, for needle clamp collar thread guide.....	3
33	Looper Rocker Stud, diameter of threads $\frac{1}{4}$ inch, obsolete...	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. Refer to pink insert for prices.	Plate No.
‡ 36 L	Spreader Connecting Rod Ball Joint Assembly, left.....	10
‡ 36 R	Spreader Connecting Rod Ball Joint Assembly, right.....	10
	Spreader Connecting Rod Ball Joint Screws No. 97 A.	
37 L	Spreader Connecting Rod Nut, left thread.....	5
37 R	Spreader Connecting Rod Nut, right thread.....	5
41 A	Hand Lifter, hardened.....	9
	Hand Lifter Stud No. 86.	
42 A	Hand Lifter Screw Pin, hardened.....	4
43	Feed Lift Eccentric, ground.....	8
	Feed Lift Eccentric Screw No. 96.	
47	Needle Lever Stud Nut, hardened.....	5
48	Needle Lever Stud Washer.....	5
54	Needle Lever Link, hardened.....	8
58	Looper Thread Nipper Spring, rear.....	8
	Looper Thread Nipper Spring Screw No. 22542.	
64	Presser Spring Rest.....	8
	Presser Spring Rest Screw No. 88.	
64 A	Presser Spring Regulating Screw.....	4
64 B	Presser Spring Regulating Screw Lock Nut.....	5
69 S	Thread Stand Pin, 4 inches long.....	17
<input type="checkbox"/> 69 FD	Set Screw, square head, cup point $\frac{5}{16}$ inch diameter, 18 threads, $\frac{5}{8}$ inch long, for thread stand seats.....	4
73 A	Screw, for looper needle guard.....	3
75 A	Screw, lower, for looper eccentric connection.....	3
77	Screw, for needle lever link pin; also for Nos. 19, 21, 7945, 13147.....	3
78	Screw, upper, for needle lever link pin.....	3
79	Screw, for feed crank link, obsolete.....	3
81	Spot Screw, for needle lever eccentric.....	3
84 A	Stitch Regulating Ferrule.....	5
86	Stud, for hand lifter.....	4
86 A	Screw, plus size, for hand lifter, tap No. V113.....	4
87	Screw, for throat plates.....	3
87 U	Screw, for needle lever thread eyelet; also for Nos. 13150 D, 13150 F.....	3
88	Set Screw, headless, for feed rockers; also for Nos. 64, 161, 12865, 13132, 13141 A, 15447 E, 15465 F, 15862, 21113 B.....	3
89	Screw, for take-up; also for Nos. 13118 A-8, 13131.....	3
90	Screw, for looper thread take-up eyelet; also for No. 15447 L.....	3
91	Clamp Screw, for presser feet.....	3
93	Clamp Screw, $\frac{7}{16}$ inch long, for spreader holder support; also for Nos. 13105 A-8, 13142 A, 15447 K, 15953.....	3
93 A	Screw, $\frac{9}{32}$ inch long, for lifter lever extension; also for Nos. 13130, 15835, 15855 A.....	3

‡ See Page 5. ☐ See Page 5.

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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. Refer to pink insert for prices.	Plate No.
94	Screw, for feed bar prongs; also for Nos. 9932, 15435 C, 15447 F, 15447 K	3
95	Screw, for main shaft collar; also for Nos. 13148-12, 13148-20, 15434, 21113 A	3
96	Screw, for feed lift eccentric; also for Nos. 13214, 21216	3
97	Clamp Screw, for spreader; also for Nos. 556, 13131, 15860	3
97 A	Screw, for spreader connecting rod ball joints; also for Nos. 6038, 6039, 15865	3
98 A	Screw, for needle lever thread guide; also for Nos. 13150 G, 13158	3
100 B	Thread Stand Wire, 16 inches long	13
	Thread Stand Wire Screw, headless, 24 threads to inch, No. 22813, obsolete.	
	Thread Stand Wire Screw, square head, 24 threads to inch, 22632 F-24.	
101	Looper Thread Take-up	8
	Looper Thread Take-up Screw No. 89.	
107	Tension Spring Ferrule	8
108	Tension Nut	6
109	Tension Disc, hardened and lapped	6
V109	Tap, marked "J2" for No. 22526	5
V113	Tap, marked "Q2" for No. 86 A	5
115	Wrench, $\frac{3}{8}$ inch, hardened, for spreader connecting rod nuts ..	12
116	Wrench, $\frac{9}{32}$ inch, hardened, for thread controller rack set screw	12
116 A	Wrench, $\frac{7}{32}$ inch, hardened, for hexagon head needle set screws	12
V118	Tap, marked "X2" for No. 22521	5
118 B	Thread Tweezers	12
136	Screw, for looper rock shaft frame	3
141	Screw, for needle thread controller lever	4
161	Split Tube Border Holder Disc Supporting Collar, for Style 13100 C	5
	Split Tube Border Holder Disc Supporting Collar Screw No. 88.	
166	Needle Set Screw, hexagon head	3
181	Looper Rocker, hardened and ground	9
187 A	Screw, for tube tension guide on Styles 13100 A, 13100 B	3
188 D	Spool Support Axle Adjustable Cone Thumb Screw, for Styles 13100 A, 13100 B; also for No. 21102 B	3
269	Looper Connecting Rod Nut, left thread	5
300	Spreader Holder Shaft, $1\frac{9}{32}$ inch long, hardened and ground, for machines with low spreader connecting rod	8
357	Screw, for edge guide on Styles 13100 A, 13100 B	3
364	Looper Thread Nipper Spring, front	8
	Looper Thread Nipper Spring Screw No. 22542.	

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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. Refer to pink insert for prices.	Plate No.
380	Cloth Plate Spring Latch.....	5
	Cloth Plate Spring Latch Screw No. 22564.	
413	Oil Can, with spout.....	17
415 B	Lifter Lever Casting.....	14
419 A	Lifter Lever Extension.....	14
	Lifter Lever Extension Screws No. 93 A.	
420	Lifter Lever Stud.....	4
421	Lifter Lever Chain.....	15
422	Lifter Treadle.....	15
423	Lifter Treadle Rest.....	9
424	Lifter Treadle Pin.....	11
	Lifter Treadle Pin Set Screw, 24 threads to inch, No. 22813.	
	Lifter Treadle Pin Set Screw, 32 threads to inch, No. 98, obsolete.	
426	Lifter Lever Spring.....	8
426 A	Lifter Lever Spring Pin.....	8
† 478	Spreader Holder Shell Ball Stud, for machines with low spreader connecting rod, obsolete.....	7
479	Spreader Holder Shell Ball Stud Nut, obsolete.....	5
Y502-319	Expansion Reamer, for presser bar and presser guide bar, size .319 inch.....	16
Y502-322	Expansion Reamer, size .322 inch.....	—
Y502-325	Expansion Reamer, size .325 inch.....	—
Y502-328	Expansion Reamer, size .328 inch.....	—
Y505-407	Expansion Reamer, for feed rocker shafts and feed bar shaft, size .407 inch.....	16
Y505-410	Expansion Reamer, size .410 inch.....	—
Y505-413	Expansion Reamer, size .413 inch.....	—
Y505-416	Expansion Reamer, size .416 inch.....	—
Y506-530	Expansion Reamer, for main shaft, size .530 inch.....	16
Y506-533	Expansion Reamer, size .533 inch.....	—
Y506-536	Expansion Reamer, size .536 inch.....	—
Y510-200	Expansion Reamer, for needle bar, size .200 inch.....	15
540	Adjustable Frame Spreader Thread Guide Pin.....	5
556	Spreader Holder Shell Ball Stud Clamp, for machines with low spreader connecting rod, obsolete.....	8
	Spreader Holder Shell Ball Stud Clamp Screw No. 97.	
605 A	Screw, for needle bar thread eyelet.....	3
729	Looper Needle Guard, marked "Q".....	2
	Looper Needle Guard Screw No. 73 A.	
751 A	Spool Support Frame Pin, hardened, length overall 3 inches, for Styles 13100 A, 13100 B.....	6
752	Spool Support Axle, length overall 13 inches.....	17
753	Spool Support Axle Cone, adjustable.....	8
	Spool Support Axle Cone Screw No. 188 D.	

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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. Refer to pink insert for prices.	Plate No.
Y800	Taper Reamer, for lever end of needle lever stud	—
Y801	Taper Reamer, for frame end of needle lever stud	—
Y802	Taper Reamer, for needle lever link pins and feed crank link pins	16
907	Tube Tension Regulating Lock Screw Nut, on Styles 13100 A, 13100 B	5
† 1230 A	Needle Lever Connecting Rod Upper Bearing	10
	Needle Lever Connecting Rod Upper Bearing Screws No. 22587	
1230 B	Needle Lever Connecting Rod Upper Bearing Valve Spring	6
	Needle Lever Connecting Rod Upper Bearing Valve Spring Screw No. 22586 A	
1230 C	Needle Lever Connecting Rod Tube	11
	Needle Lever Connecting Rod Tube Nut, left thread, No. 15430 C	
	Needle Lever Connecting Rod Tube Nut, right thread, No. 15430 D	
1230 D	Needle Lever Connecting Rod Bearing Valve	5
1248	Feed Crank Link Shim	5
1275 A	Needle Lever Stud, standard diameter	10
1275 E	Needle Lever Stud, plus size on frame section, viz: .001, .002 .003, .006, .012, .018 inch; specify plus amount. Example: 1275 E-003 represents a stud plus .003 inch on frame section.	—
1275 F	Needle Lever Stud, plus size on lever section, viz: .001, .002, .003, .006 inch; specify plus amount. Example: 1275 F-003 represents a stud .003 inch on lever section	—
1275 H	Needle Lever Stud, plus size equal on each section; viz: .001, .002, .003, .006 inch; specify plus amount. Example: 1275 H-003 represents a stud plus .003 inch on each section.	—
1275 J	Needle Lever Stud, plus size unequal on each section, viz: (.001, .002) (.001, .003) (.001, .006) (.002, .001) (.002, .003) (.002, .006) (.003, .001) (.003, .002) (.003, .006) (.006, .001) (.006, .002) (.006, .003) (.012, .001) (.012, .002) (.012, .003) (.012, .006) (.018, .001) (.018, .002) (.018, .003) (.018, .006) Specify plus amounts, arranged frame section first and lever section last. Examples: 1275 J-003-006 represents a stud plus .003 inch on frame section and .006 inch on lever section, 1275 J-006-003 represents a stud plus .006 inch on frame section and .003 inch on lever section	—
	Needle Lever Stud Plug Screw No. 22586	
	Needle Lever Stud Felt No. 15430 L. Note: Before lapping the bearing of a needle lever and a needle lever stud remove the felt from the stud and replace it after the lapping compound has been washed out.	

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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. Refer to pink insert for prices.	Plate No.
1286	Needle Lever Link Pin Assembly, and Differential Feed Bar Link Pin Assembly, internal oiling, hardened and ground; one each Nos. 1286 A, 1286 B, 12964 C, 22560.....	8
1286 A	Needle Lever Link Pin and Differential Feed Bar Link Pin... Needle Lever Link Pin Set Screw, upper, No. 78. Needle Lever Link Pin Set Screw, lower, No. 77. Needle Lever Link Pin Ball No. 12964 C. Differential Feed Bar Link Pin Set Screw No. 22743.	8
1286 B	Needle Lever Link Pin Ball Spring..... Needle Lever Link Pin Ball Spring Screw No. 22560.	6
1346	Tension Post, length overall $1\frac{1}{16}$ inches.....	6
1347	Tension Post Ferrule, hardened, length overall $\frac{5}{16}$ inch.....	6
1349 A-3	Tension Spring, .028 inch diameter wire, for looper thread...	6
1349 A-4	Tension Spring, .036 inch diameter wire, for spreader and needle threads.....	6
1361 A	Presser Spring Pin.....	5
1362	Main Shaft Sleeve Pin, length overall $1\frac{1}{2}$ inches.....	6
2338	Main Shaft Sleeve, $1\frac{1}{4}$ inches long.....	7
3007 A	Looper, with guard.....	2
3008 A	Looper, without guard, otherwise same as No. 3007 A..... Looper Set Screw No. 22565.	—
5003	Edge Guide Assembly, for Style 13100 A..... Edge Guide Assembly Pivot Stud No. 22735.	10
5005 A	Main Feed Dog, for No. 8 gauge Style 13100 C.....	1
5005 R	Main Feed Dog, for No. 8 gauge Style 13100 B..... Main Feed Dog Screw No. 22593.	1
5024 M-8	Throat Plate, for No. 8 gauge Styles 13100 A, 13100 B..... Throat Plate Screws No. 87.	1
5026 A	Differential Feed Dog, for No. 8 gauge Style 13100 C..... Differential Feed Dog Screw No. 22585.	1
5143	Differential Feed Bar, for Styles 13100 B, 13100 C.....	13
5144	Differential Feed Bar Link Stud Nut.....	5
5156	Feed Rocker, for Styles 13100 B, 13100 C..... Feed Rocker Screws No. 88.	14
5157	Feed Rocker Arm..... Feed Rocker Arm Screws No. 22548.	14
† 6038	Looper Connecting Rod Ball Joint Assembly, left.....	7
† 6039	Looper Connecting Rod Ball Joint Assembly, right..... Looper Connecting Rod Ball Joint Screws No. 97 A.	7
7945	Looper Rocker Cone, for use with $\frac{1}{4}$ inch stud No. 33, obsolete. Looper Rocker Cone Screws No. 77.	5
7947	Feed Crank Link Screw Lock Nut.....	5
9932	Feed Bar Shoe, hardened and ground, for Style 13100 A..... Feed Bar Shoe Screw No. 94.	12

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10334 A	Needle Bar Thread Eyelet.....	8
	Needle Bar Thread Eyelet Screw No. 605 A.	
10345	Spreader Connecting Rod, length overall $4\frac{1}{4}$ inches, high construction.....	11
	Spreader Connecting Rod Nut, left thread, No. 37 L.	
	Spreader Connecting Rod Nut, right thread, No. 37 R.	
11354	Looper Rocker Swinging Support Ball Stud.....	7
	Looper Rocker Swinging Support Ball Stud Nut No. 12934 A.	
11638 F	Pulley Guard Stud.....	4
12865	Presser Spring Rest Support Collar.....	8
	Presser Spring Rest Support Collar Screws No. 88.	
12934 A	Looper Rocker Swinging Support Ball Stud Nut.....	5
12957 E	Edge Guide Assembly Stud Washer, for Styles 13100 A, 13100 B.....	5
12964 C	Needle Lever Link Pin Ball.....	5
12987 A	Looper Rocker Cone Adjusting Nut.....	5
13101 C	Cloth Plate Assembly, for Style 13100 C.....	17
	Cloth Plate Screws No. 22574.	
	Cloth Plate Spring Latch No. 380.	
	Cloth Plate Spring Latch Screw No. 22564.	
13105 A-8	Feed Dog, for No. 8 gauge Style 13100 A.....	1
	Feed Dog Screw No. 93.	
13105 B	Main Feed Dog, for No. 10 gauge Style 13100 B.....	1
	Main Feed Dog Screw No. 22593.	
13115	Needle Lever, for machines with high spreader connecting rod.	15
13117-8	Needle Bar, hardened and ground, for No. 8 gauge.....	11
13117-10	Needle Bar, for No. 10 gauge.....	11
13118 A-8	Needle Clamp Collar, for Nos. 8 and 10 gauges.....	8
	Needle Clamp Collar Screw No. 89.	
13120 C-8	Presser Foot, for No. 8 gauge Style 13100 C.....	2
	Presser Foot Clamp Screw No. 91.	
13124 B-10	Throat Plate, for No. 10 gauge Style 13100 B.....	1
13124 C-8	Throat Plate, for No. 8 gauge Style 13100 C.....	1
	Throat Plate Screws No. 87.	
13126	Differential Feed Dog, for No. 10 gauge Style 13100 B.....	1
13126 B	Differential Feed Dog, for No. 8 gauge Style 13100 B.....	1
	Differential Feed Dog Screw No. 22585.	
13127-8	Presser Foot, for No. 8 gauge Style 13100 A.....	2
13127 A-8	Presser Foot, for No. 8 gauge Style 13100 B.....	2
13127 A-10	Presser Foot, for No. 10 gauge Style 13100 B.....	2
	Presser Foot Clamp Screw No. 91.	
13130	Presser Guide Bar, hardened and ground.....	10
	Presser Guide Bar Set Screws No. 93 A.	

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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. Refer to pink insert for prices.	Plate No
13131	Presser Bar Connection..... Presser Bar Connection Set Screw No. 89. Presser Bar Connection Adjusting Screw No. 97.	8
13132	Feed Bar, for Style 13100 A..... Feed Bar Screws No. 88.	9
13135	Cloth Plate Guard, for machines with low spreader con- necting rod.....	14
13135 A	Cloth Plate Guard, for Styles 13100 A, 13100 B..... Cloth Plate Guard Screws No. 25 C.	14
13140	Spreader..... Spreader Clamp Screw No. 97.	2
13141	Spreader Holder, for machines with low spreader connecting rod.....	9
13141 A	Spreader Holder, for machines with high spreader connecting rod..... Spreader Holder Screws No. 88.	9
13142	Spreader Holder Support, for machines with low spreader connecting rod.....	9
13142 A	Spreader Holder Support, for machines with high spreader connecting rod..... Spreader Holder Support Clamp Screw No. 93.	9
13143	Spreader Connecting Rod, length overall $3\frac{5}{8}$ inches, low construction.....	11
† 13144	Spreader Connecting Rod Ball Joint, right, low construction... Spreader Connecting Rod Ball Joint Screws No. 97 A.	10
13145	Spreader Connecting Rod Ball Joint Support, low construc- tion.....	12
13146	Spreader Holder Shaft, hardened and ground, internal oiling.	8
13147	Looper Rocker Swinging Support Cup Washer..... Looper Rocker Swinging Support Cup Washer Screws No. 77.	8
13148-12	Tension Post Elongating Stud, plain stem, $\frac{3}{8}$ inch increment..	6
13148-20	Tension Post Elongating Stud, $\frac{5}{8}$ inch increment..... Tension Post Elongating Stud Set Screw No. 95.	6
13148 A-24	Tension Post Elongating Stud, hexagon body, threaded stem, $\frac{3}{4}$ inch increment.....	6
13150 D	Spreader Thread Finger, stationary..... Spreader Thread Finger Set Screw No. 87 U.	6
13150 E	Spreader Thread Finger Support, for machines with low spreader connecting rod.....	7
13150 F	Spreader Thread Finger Support Thread Eyelet..... Spreader Thread Finger Support Thread Eyelet Screw No. 87 U.	6
13150 G	Spreader Thread Finger Support, for machines with high spreader connecting rod..... Spreader Thread Finger Support Screw No. 98 A.	2

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13152 A	Needle Lever Spreader Thread Take-up Wire Needle Lever Spreader Thread Take-up Wire Screw No. 22520.	6
13153	Main Feed Dog Support for Styles 13100 B, 13100 C. Main Feed Dog Support Screw No. 22528.	2
13158	Needle Lever Thread Guide Needle Lever Thread Guide Screw No. 98 A.	6
13159 A	Needle Clamp Collar Thread Guide Needle Clamp Collar Thread Guide Screw, No. 28 B.	6
13214	Looper Eccentric, hardened and ground Looper Eccentric Screw No. 96.	8
14076	Stud, for Looper Thread Take-up Eyelet Holder	4
14544	Feed Bar Shaft, $3\frac{9}{16}$ inches long, hardened and ground, for Styles 13100 B, 13100 C.	11
15180 A	Tube Tension Assembly, for Styles 13100 A, 13100 B. Tube Tension Set Screw No. 25 CC. Tube Tension Regulating Screw No. 22703. Tube Tension Regulating Screw Lock Nut No. 907.	14
15180 B	Tube Tension Guide, adjustable Tube Tension Guide Screw No. 187 A.	—
15421	Pulley Pulley Set Screws No. 22597.	10
15430 C	Needle Lever Connecting Rod Nut, upper, left thread	5
15430 D	Needle Lever Connecting Rod Nut, lower, right thread	5
15430 L	Needle Lever Connecting Rod Tube Felt; also for Nos. 1275 A, 1275 E, 1275 F, 1275 H, 1275 J.	13
‡ 15430 M	Needle Lever Connecting Rod Lower Bearing Needle Lever Connecting Rod Lower Bearing Screws No. 22587.	10
15431	Needle Lever Buffer, wood fibre	7
15432	Needle Lever Ball, hardened	4
15433	Needle Lever Ball Lock Nut	5
15434	Needle Lever Eccentric, formerly marked "BM". Needle Lever Eccentric Spot Screw No. 81. Needle Lever Eccentric Set Screw No. 95.	10
15435 C	Frame Spreader Thread Guide, adjustable Frame Spreader Thread Guide Screw No. 94.	8
15436	Renewable Bearing, for needle bar Renewable Bearing Clamp Screw No. 22569.	7
15437 A	Needle Bar Connection Needle Bar Connection Screws No. 88.	6
15446 C	Differential Feed Bar Link Stud, hardened and ground, for Styles 13100 B, 13100 C. Differential Feed Bar Link Stud Nut No. 5144.	4

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15446 D	Differential Feed Bar Link, for Styles 13100 B, 13100 C..... Differential Feed Bar Link Pin No. 1286 A. Differential Feed Bar Link Pin Screw No. 22743.	7
15447 E	Feed Bar, for main feed dog in Styles 13100 B, 13100 C..... Feed Bar Screws No. 88.	13
15447 F	Feed Bar Shoe, hardened and ground, for Styles 13100 B, 13100 C..... Feed Bar Shoe Screw No. 94.	13
15447 G	Feed Bar Prong and Sponge, for Styles 13100 B, 13100 C.... Feed Bar Prong Screws No. 94.	9
15447 K	Differential Feed Bar Guide, upper, for Styles 13100 B, 13100 C..... Differential Feed Bar Guide Screw, front, No. 93. Differential Feed Bar Guide Screw, rear, No. 94.	2
15447 L	Differential Feed Bar Guide, lower..... Differential Feed Bar Guide Screws No. 90.	2
15448	Presser Bar, hardened and ground, standard diameter .319 inch.....	11
15448-322	Presser Bar, standard diameter plus .003 inch.....	—
15448-325	Presser Bar, standard diameter plus .006 inch.....	—
15448-328	Presser Bar, standard diameter plus .009 inch.....	—
15448-331	Presser Bar, standard diameter plus .012 inch.....	—
15448-334	Presser Bar, standard diameter plus .015 inch.....	—
15459	Presser Spring.....	11
15465 F	Looper Rocker Cone, hardened and ground..... Looper Rocker Cone Screws No. 88.	5
15467 A	Looper Rocker Stud Nut, for use with stud No. 33, obsolete..	5
15595 A	Needle Thread Controller Rack..... Needle Thread Controller Rack Set Screw No. 22519.	5
15745 B	Looper Rocker Stud, diameter of threads $\frac{5}{16}$ inch..... Looper Rocker Stud Nut No. 12987 A.	4
15754 A	Looper Thread Take-up Eyelet..... Looper Thread Take-up Eyelet Screw No. 90.	6
15822	Main Shaft, hardened and ground, standard diameter .530 inch.....	15
15822-531	Main Shaft, standard diameter plus .001 inch.....	—
15822-533	Main Shaft, standard diameter plus .003 inch.....	—
15822-536	Main Shaft, standard diameter plus .006 inch.....	—
15822-539	Main Shaft, standard diameter plus .009 inch.....	—
15835	Needle Lever Eccentric Guard..... Needle Lever Eccentric Guard Screws No. 93 A.	9

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15854 B	Looper Thread Take-up Eyelet Holder..... Looper Thread Take-up Eyelet Holder Stud No. 14076. Looper Thread Take-up Eyelet Holder Stop Screw No. 22575. Looper Thread Take-up Eyelet Holder Stop Screw Lock Nut No. 41071 G.	12
15855 A	Looper Thread Take-up Eyelet Spring..... Looper Thread Take-up Eyelet Spring Screws No. 93 A.	10
15860	Looper Thread Nipper Spring Operating Arm..... Looper Thread Nipper Spring Operating Arm Screw No. 97.	7
15862	Looper Rocker Swinging Support..... Looper Rocker Swinging Support Screws No. 88.	9
15863	Looper Rock Shaft Frame..... Looper Rock Shaft Frame Screws No. 136.	9
15864	Looper Connecting Rod, length overall $5\frac{11}{16}$ inches..... Looper Connecting Rod Nut, left thread No. 269. Looper Connecting Rod Nut, right thread No. 18.	11
15865	Looper Eccentric Connection..... Looper Eccentric Connection Screws, upper, No. 97 A. Looper Eccentric Connection Screws, lower, No. 75 A.	10
15886	Main Shaft Sleeve, $\frac{7}{32}$ inch long.....	5
† 15901	Cloth Plate Assembly, for Styles 13100 A, 13100 B..... Cloth Plate Screws No. 22574. Cloth Plate Spring Latch No. 380. Cloth Plate Spring Latch Screw No. 22564.	17
15915	Needle Lever, for machines with low spreader connecting rod.	15
15953	Cast-off Wire Bracket..... Cast-off Wire Bracket Screws No. 93.	7
† 15995	Needle Thread Controller Lever Assembly.....	12
21102 B	Spool Support Tie Rod, for Styles 13100 A, 13100 B..... Spool Support Tie Rod Screw No. 188 D.	17
21104 A	Thread Stand Base..... Thread Stand Base Screws No. 22509.	17
21104 B-11	Thread Stand Rod, 11 inches long..... Thread Stand Rod Set Screw No. 22509.	13
21113 A	Thread Stand Wire Extension, 6 inches long..... Thread Stand Wire Extension Set Screw, headless, 24 threads to inch, No. 22813. Thread Stand Wire Extension Set Screw, square head, 24 threads to inch, No. 22632 F-24.	11
21113 B	Thread Stand Wire Coupling..... Thread Stand Wire Coupling Screws No. 88.	7
21130 A-4	Thread Stand Seat, 4 spools..... Thread Stand Seat Set Screw No. 69 FD.	17
21145	Cone, wood, for thread stands.....	13
21169 E	Split Tube Border Holder Disc, for Style 13100 C.....	17

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21169 F	Split Tube Border Holder Base	17
21201	Screw Driver, round steel, diameter $\frac{5}{32}$ inch, length overall $7\frac{5}{8}$ inches	16
21202	Screw Driver, round steel, diameter $\frac{7}{32}$ inch, length overall 10 inches	16
21203	Screw Driver, round steel, diameter $\frac{7}{32}$ inch, length overall 13 inches	16
21204	Screw Driver, round steel, diameter $\frac{1}{4}$ inch, length overall 15 inches	16
21205	Screw Driver, octagon steel, diameter $\frac{5}{16}$ inch, length overall $14\frac{1}{2}$ inches	16
21206	Screw Driver Wrench	16
21207	Screw Driver, round steel, diameter $\frac{5}{64}$ inch, length overall $2\frac{1}{2}$ inches	17
21208	Screw Driver Set, three blades	17
21215 C	Spool Support Assembly, 13 inch axle	17
21216	Spool Support Vertical Rod	17
	Spool Support Vertical Rod Set Screw, 20 threads to inch, No. 22620 H-20.	
21217	Spool Support Base	15
	Spool Support Base Screw No. 22620 H-20.	
21217 A	Spool Support Pin Holder, adjustable	17
	Spool Support Pin Holder Thumb Screw No. 22728.	
21225- $\frac{7}{32}$	Looper Adjusting Gauge, $\frac{7}{32}$ inch measurement	2
21225 A	Looper Gauge, universal adjustment	2
21261	Leather Belt, flat, 1 inch wide, 63 inches long, including malleable iron belt fastener No. 21350	—
21262	Leather Belt, round, $\frac{9}{32}$ inch diameter, 44 inches long, including wire belt hook No. 21351	—
21350	Malleable iron Belt Fastener, for 1 inch flat belt	7
21351	Wire Belt Hook, for $\frac{9}{32}$ inch round belt	7
21371 M	Individual Power Table, excludes pulley guard, pitman, belt ing, transmitter and electric motor; includes treadle	—
21371 T-2	Individual Power Table, includes transmitter, treadles, pulley guard, pitman, belting, $\frac{1}{2}$ H. P. 115 Volt D. C. electric motor. Note: Style of machine must be specified	—
21371 T-4	Individual Power Table, equipped with $\frac{1}{2}$ H. P. 230 Volt D. C. electric motor	—
21371 T-6	Individual Power Table equipped with $\frac{1}{2}$ H. P. 110 Volt, single phase, 60 cycle A. C. electric motor	—
21371 T-8	Individual Power Table, equipped with $\frac{1}{2}$ H. P. 220 Volt, single phase, 60 cycle A. C. electric motor	—
21371 T-16	Individual Power Table, equipped with $\frac{1}{2}$ H. P. 220 Volt, three phase, 60 cycle A. C. electric motor	—
21375 C	Pulley Guard Assembly	14

LIST OF PARTS

Symbol to o der 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.
21375 D	Pulley Guard.....	—
	Pulley Guard Stud No. 11638 F.....	—
21375 E	Pulley Guard Stud Spring Washer.....	—
21375 F	Pulley Guard Base.....	—
21388	Wrench, hardened, for $\frac{3}{8}$ inch hexagon nuts.....	12
21388 B	Wrench, hardened, for $\frac{1}{2}$ inch hexagon nuts.....	12
21394	Small Utility Grinder, including emery wheel, 5 inches diam- eter, $\frac{1}{4}$ inch face, recommended speed 3000 revolutions per minute.....	—
21394 G	Emery Wheel, 5 inches diameter, $\frac{1}{4}$ inch face, $\frac{3}{8}$ inch hole....	—
21394 H	Emery Wheel, 5 inches diameter, $\frac{1}{2}$ inch face, $\frac{3}{8}$ inch hole....	—
21394 K	Grinder, including emery wheel, 5 inches diameter, $\frac{1}{2}$ inch face, recommended speed 3000 revolutions per minute.....	—
21680	Iron Base Plate.....	17
21681	Machine Bed Screw.....	12
□22509	Screw, for thread stand base.....	4
22519	Screw, for thread controller rack.....	3
22520	Screw, for needle lever thread eyelet, left; also for No. 13152 A.	3
22521	Screw, plus size, countersunk head, for cloth plates, tap No. V-118.....	3
22524	Screw, for cast-off wire.....	3
22525	Screw, .010 inch plus size, length overall $\frac{5}{16}$ inch; otherwise same as No. 87.....	3
22526	Screw, plus size, $\frac{3}{16}$ inch diameter, for throat plates, tap No. V-109.....	3
22528	Screw, for main feed dog support.....	3
22539	Plug Screw, $\frac{5}{32}$ inch long, for right hand main shaft oil reser- voir.....	4
22540	Screw, with oil hole, for middle main shaft oil reservoir.....	4
22542	Screw, for looper thread nipper springs.....	3
22548	Screw, for feed rocker arm.....	3
22560	Screw, headless, for needle lever link pin ball spring.....	3
22564	Screw, for cloth plate spring latch.....	3
22565	Set Screw, headless, for looper.....	3
22568	Screw, for lace guide on Styles 13100 A, 13100 B.....	4
22569	Clamp Screw, for renewable needle bar bearing; also for No. 15.....	3
22574	Screw, countersunk head, for cloth plates.....	3
22575	Stop Screw, for looper thread take-up eyelet holder.....	3
22585	Screw, for differential feed dogs; also for No. 23306 M.....	3
22586	Plug Screw, for needle lever stud oil reservoir.....	3
22586 A	Screw, for needle lever connecting rod upper bearing valve spring.....	3
22587	Screw, for needle lever connecting rod upper bearing.....	4
22593	Screw, for main feed dog in Styles 13100 B, 13100 C.....	3

□ See Page 5.

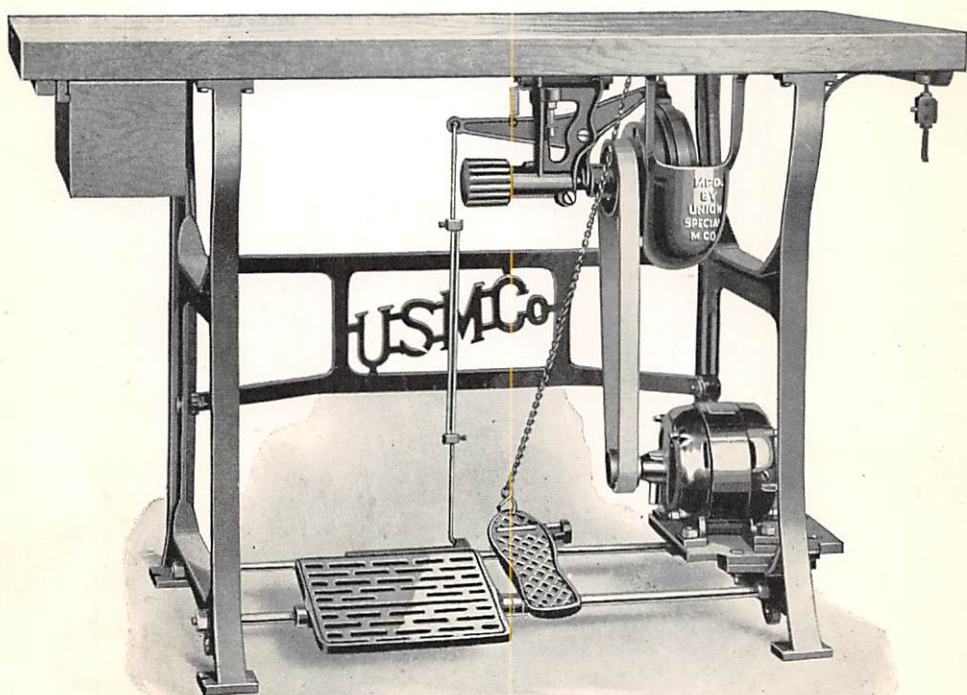
LIST OF PARTS

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.
22597	Set Screw, for pulley	3
<input type="checkbox"/> 22620 H-20	Set Screw, headless, cup point, $\frac{5}{16}$ inch long, $\frac{1}{4}$ inch diameter, 20 threads to inch, for spool support vertical rod; also for No. 21217	4
<input type="checkbox"/> 22632 F-24	Screw, square head, cup point, $\frac{3}{16}$ inch diameter, $\frac{3}{8}$ inch long, 24 threads to inch, for thread stand wires; also for No. 21113 A	4
22703	Regulating Screw, for tube tension on Styles 13100 A, 13100 B.	3
22728	Thumb Screw, for spool support pin holder	4
22735	Pivot Stud, for edge guide assembly on Styles 13100 A, 13100 B	4
22743	Screw, for differential feed bar link pin	3
<input type="checkbox"/> 22813	Screw, headless, $\frac{1}{4}$ inch long, $\frac{3}{16}$ inch diameter, 24 threads to inch, for thread stand wire; also for Nos. 424, 21113 A	3
23279 D	Folder Threader	12
23306 A	Lace Guide, adjustable, for Styles 13100 A, 13100 B	—
23306 L	Lace Guide Screw No. 22568.	—
23306 M	Lace Guide and Tube Tension Support Assembly, for Styles 13100 A, 13100 B	14
23406 F- $\frac{1}{2}$	Lace Guide and Tube Tension Support	—
28606- $\frac{1}{2}$	Lace Guide and Tube Tension Support Screws No. 22585.	—
28606-1	Folder, $\frac{1}{2}$ inch finished width, for Style 13100 C	14
29130 C	Folder Screws No. 25 C.	—
29131 B	Powdered Oil Stone, $\frac{1}{2}$ lb. package	—
29144 B	Powdered Oil Stone, 1 lb. package	—
29185 J	Needle Lever Eccentric and Balance Weight Assembly; one each Nos. 15434 and 15430 M lapped together	10
29218 C-8	Needle Lever Connecting Rod Upper Bearing Assembly; one each Nos. 1230 A and 15432 lapped together, 1230 B, 1230 D, and 22586 A	10
29218 C-10	Looper Eccentric Assembly; one each Nos. 13214, 11354 and 15865 lapped together	—
29335 A	Looper Rocker Assembly; one each Nos. 181, 15465 F, 15745 B lapped together, 6038, 12987 A and two No. 88	—
29374	Needle Bar Assembly, for No. 8 gauge Styles 13100 A, 13100 B; one each Nos. 13117-8, 28 B, 89, 13118 A-8, 13159 A and two No. 166	—
	Needle Bar Assembly, for No. 10 gauge Style 13100 B; one each Nos. 13117-10, 28 B, 89, 13118 A-8, 13159 A and two No. 166	—
	Needle Lever Assembly; one each Nos. 15915 and 1275 A lapped together, for machines with low spreader connecting rod	—
	Needle Lever Assembly; one each Nos. 13115 and 1275 A lapped together, for machines with high spreader connecting rod	—

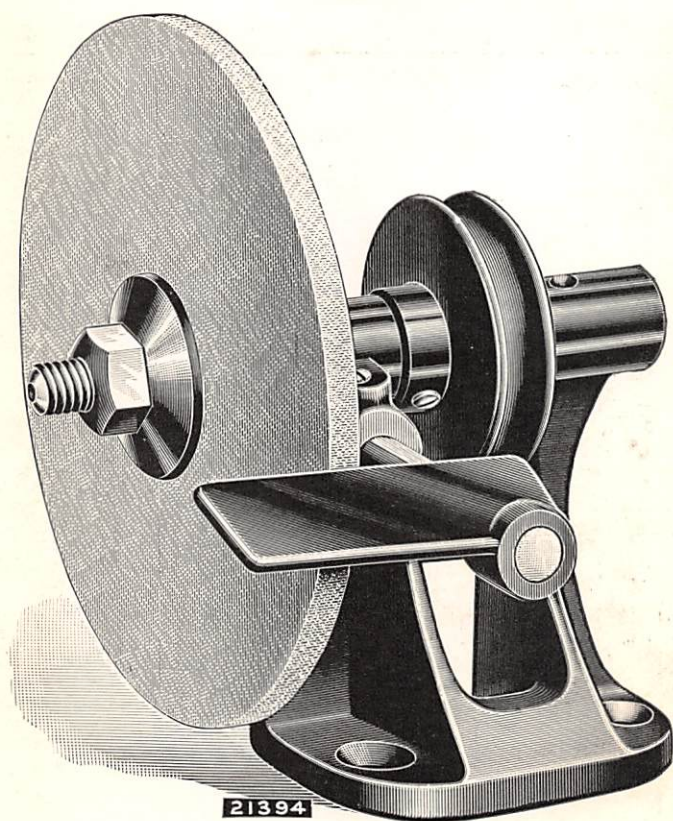
☐ See Page 5.

LIST OF PARTS

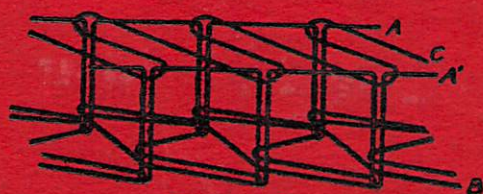
Symbol to order by	The figures in the last column refer only to the plates illustrating the parts and are not to be used in ordering. Refer to pink insert for prices.	Plate No.
29402	Lifter Treadle Assembly; one each Nos. 422, 423, 424 and 22813.....	15
35582 B	Tension Thread Guide, sheet metal.....	6
41064 B	Shaft, for looper rocker swinging holder.....	11
41071 G	Take-up Thread Eyelet Holder Stop Screw Lock Nut.....	5



INDIVIDUAL POWER TABLE



UTILITY GRINDER



STITCH TYPE 602
FOUR-THREAD INTERLOCK STITCH
TYPICAL OF CLASS 13100

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