FIRST EDITION





CATALOG NO. 77L

STYLES

51200 51300 51400 51500 51700 51900 54100

FLAT BED LIGHT DUTY DOUBLE LOCKED STITCH MACHINES

Catalog No. 77 L

LIST OF PARTS

STYLES IN CLASSES

 51200
 51300
 51400

 51500
 51700
 51900
 54100

THE FIFTY THOUSAND SERIES

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

First Edition

Price \$2.00

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FOREWORD

The one dominating idea back of "Union Special" is to build the best industrial sewing machines in the world. Our new line of Enclosed Type Flat Bed Machines, known as the "Fifty-Thousand Series" marks an epoch in sewing machine design and construction.

All parts are made to gauges with exceedingly close limits. Oil Cups are provided for all important bearings, and a convenient oil drain catches the surplus. 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 Classes 51200, 51300, 51400, 51500, 51700, 51900 and 54100.

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

Catalog No. 29
Catalog No. 32
Catalog No. 45
Catalo

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: 51400 A. Style numbers containing the letter "Z" are special. When only minor changes are made in a standard machine a "Z" is merely suffixed to the respective standard style number. Example: 51400 AZ.

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

51400

The distance between the rows of stitches is represented by a gauge number measured in 64ths of an inch, viz: 12 gauge represents a distance of 12/64 or 3/16 inch, 64 gauge represents a distance of 64/64 inch or 1 inch. The gauge number of machines, making three independent equally spaced rows of stitches, like styles in Class 51900, represents the space between adjoining rows or one-half the overall measurement, viz: No. 6 gauge represents 6/64 inch or 3/32 inch, No. 9 gauge represents 9/64 inch. The figure directly following the dash in the Style Number symbols covering the multiple needle styles in Class 54100 indicates 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 1/4 inch, 1 inch, and 1/4 inch

APPLICATION OF CATALOG

This catalog applies only to the standard styles of machines as listed herein. It can also be applied with discretion to the special machines covered by these classes.

STYLES OF MACHINES IN CLASS 51200

Enclosed Type Flat Bed One Needle Light Duty Machines, Double Locked Stitch Type 401, Lateral Looper Travel

51200 A (Succeeds Styles 6400 I and 15900 D) For binding aprons, dresses and similar garments, internal presser spring, parallel take-up, Type 106 needles, uses cut edge strip, standard widths 3/4, 7/8, 1, 1 1/8 and 1 1/4 inches.

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STYLES OF MACHINES IN CLASS 51200 (Cont'd)

- 51200 B (Succeeds Style 6400 M) For seaming mattress ticks, bound seam, external presser spring, shielded disc, take-up uses selvage edge strip, standard widths 5/8, 3/4 and 7/8 inch, English binder, Type 126 needle.
- 51200 C (Succeeds Style 6400 W) For seaming mattress ticks; plain seam, external presser spring, shielded disc take-up Type 126 needle.
- 51200 G (Succeeds Style 6400 N) For joining shoulders of shirts, one operation, internal presser spring, parallel take-up, Type 106 needle.
- 51200 H (Succeeds Style 6000 A) For miscellaneous operations on knitted drawer bands and knitted shirt fronts, internal presser spring, parallel take-up, Type 101 needle.
- 51200 J (Succeeds Style 15900 F) For attaching onepiece extension button stays to front and sleeves of woven shirts, also facing sleeves, external presser spring, shielded disc take-up, strips used in either garment lengths or long lengths, Type 106 needle, standard finished widths 1/2, 3/4, 7/8 and 1 inch.
- 51200 Z A special style similar to the standard styles in Class 51200, but differing in one or more of its component parts.

STYLES OF MACHINES IN CLASS 51300

- Enclosed Type Flat Bed One Needle Heavy Duty Machines, Double Locked Stitch Type 401, Lateral Looper Travel, External Presser Spring, Shielded Disc Take-up
- 51300 A (Succeeds Styles 6500 B, 15900 A) For seaming trousers, coats and similar garments, Type 128 needle.
- 51300 B (Succeeds Style 6600 E) For seaming couch covers, with and without rope welt, welt guided to left of needle, Type 143 needle.
- 51300 C (Succeeds Style 6500 C). For seaming trousers, coats, and similar garments, cord seam, throwout folder, Type 128 needle.

STYLES OF MACHINES IN CLASS 51300 (Cont'd)

- 51300 D (Succeeds Style 6600 D) For miscellaneous operations on tents, awnings, tarpaulins, covers and similar articles, includes PULLER, Type 143 G needle.
- 51300 Z A special style similar to the standard styles in Class 51300, but differing in one or more of its component parts.

STYLES OF MACHINES IN CLASS 51400

- Enclosed Type Flat Bed Independent Row Two Needle Light Duty Machines, Left Needle In Front, Double Locked Stitch Type 401, Lateral Looper Travel
- 51400 A (Succeeds Styles 7400 A, 7400 B) For piecing sleeves, joining shoulders and setting sleeves of ordinary quality shirts and similar garments made of medium and light weight materials; double stitch felled seam, 5/32 inch space between needles in line with feed, feed surface between needles of No. 16 and wider gauges, Type 106 needles, external presser spring, shielded disc take-up, standard gauges Nos. 6, 8, 10, 12, 16 and 18.
- 51400 B (Succeeds Style 7400 X) For folding and attaching extension center plait, interlining strip and facing strip to fronts of shirts and similar garments, one operation, plaits used in garment lengths and extend 1/4 inch beyond the rows of stitches, facing and interlining strips used in long lengths, starts operation at neck, 5/32 inch space between needles in line with feed, "Tru-Front" folder, Type 106 needles, external presser spring, shielded disc take-up, standard gauge No. 48.
- 51400 C (Succeeds Style 7400 AH) For folding and attaching set-on center plait and interlining strip; otherwise same as 51400 B.
- 51400 D (Succeeds Style 7400 AL) For folding and attaching inside button facing to shirts and similar garments, one operation, with 1/16 inch margins, facing strip used in long lengths and guided next to feed dog, starts operation at neck, 5/32 inch space between needles in line with feed, Type 106 needles, external presser spring, shielded disc take-up, standard gauges Nos. 32 and 48.

STYLES OF MACHINES IN CLASS 51400 (Cont'd)

- 51400 E For piecing sleeves, joining shoulders and setting sleeves of extra fine quality shirts and similar garments made of medium and light weight materials, double stitch felled seam, 5/32 inch space between needles in line with feed, feed surface between needles for all gauges, Type 106 needles, external presser spring, shielded disc take-up, standard gauges Nos. 8, 10, 12 and 16.
- Note: The maximum size ball eye needle that can be used in Style 51400 E is .032 in the No. 8 gauge and .036 in the wider gauges. The maximum stitch length for all gauges is 14 per inch.
- 51400 F For "cut-on" button stay operation on shirts, turn down hem; starts operation at neck, 5/32 inch space between needles in line with feed, Type 106 needles, standard width of hem 5/8 inch, standard hemmer has 1/32 inch capacity, external presser spring, shielded disc take-up, standard gauge No. 32.
- 51400 G (Succeeds Style 7400 AG) For hemming bloomers and similar garments made from knitted fabrics, and simultaneously inserting an elastic band within the hem, 3/16 inch space between needles in line with feed, built-in puller, Type 101 needles, internal presser spring, parallel take-up, standard gauges Nos. 16, 18 and 24, standard widths of heading 1/8, 3/16 and 1/4 inch for Nos. 16 and 18 gauge machines, standard width of heading 1/8 inch for No. 24 gauge machine.
- Note: By using a knee press No. 21691 A, the operator can shift the elastic into the left row of stitches at the start and termination of the hem.
- 51400 H (Succeeds Style 7000 A) For uniting the lower edge of French drawer bands to the body fabric; 3/16 inch space between needles in line with feed, external presser spring, shielded disc take-up, Type 101 needles, standard gauges Nos. 16 and 18
- 51400 J (Succeeds Style 7400 B) For setting sleeves of extra fine quality shirts and similar garments made from medium and light weight materials; double stitch felled seam, 3/16 inch space between needles in line with feed, feed surface between needles, Type 106 needles, external presser spring, shielded disc take-up, standard gauge No. 26.

STYLES OF MACHINES IN CLASS 51400 (Cont'd)

- 51400 K For quilting collar bands of shirts and similar garments, 5/32 inch space between needles in line with feed, Type 106 needles, external presser spring, shielded disc take-up, standard gauges Nos. 24 and 26.
- 51400 L For folding and attaching set-on button stay to fronts of work shirts and similar garments, 1/32 inch margins, stays used in garment lengths and guided next to presser foot, starts operation at neck, 5/32 inch space between needles in line with feed, folder presser foot, Type 106 needles, external presser spring, shielded disc take-up, standard gauge No. 32.
- 51400 M (Succeeds Style 7400 AK) For folding and attaching single piece facings to sleeves of shirts and similar garments, one operation, facing used in garment lengths, folder has 1/32 inch capacity, Type 106 needles, external presser spring, shielded disc take-up, standard gauge No. 48.
- 51400 N For "cut-on" button stay operation on shirts, turn up hem, starts operation at neck, 5/32 inch space between needles in line with feed, Type 106 needles, standard width of hem 7/8 inch, standard hemmer has 3/64 inch capacity, external presser spring, shielded disc take-up, standard gauge No. 48.
- 51400 Z A special style similar to the standard styles in Class 51400, but differing in one or more of its component parts.

STYLES OF MACHINES IN CLASS 51500

Enclosed Type Flat Bed Independent Row Two Needle Heavy Duty Machines, Double Locked Stitch Type 401, Lateral Looper Travel, External Presser Spring, Shielded Disc Take-up

51500 A (Succeeds Style 7500 B) For double stitch felling overalls, coats, combination suits and similar garments; left needle in front, 3/16 inch space between needles in line with feed, Type 128 needles, standard gauges Nos. 16 and 18.

STYLES OF MACHINES IN CLASS 51500 (Cont'd)

- 51500 C For seaming trousers and similar garments; right needle in front, 1/4 inch space between needles in line with feed, which locates each stitch one-half a stitch length in advance of the adjoining stitch when the stitch length is set at ten per inch and gives the equivalent of twenty stitches per inch; yet the fabric is moved forward 1/10 inch in each cycle, Type 130 needles, standard gauge No. 1.
- 51500 D For seaming tents, awnings, tarpaulins, covers and similar articles; double stitch lap seam, includes PULLER, Type 143 G needles standard gauge No. 26.
- 51500 G For seaming trousers and similar garments, right needle in front, 7/32 inch space between needles in line with feed, which locates each stitch one-half a stitch length in advance of the adjoining stitch when the stitch length is set at seven per inch and gives the equivalent of fourteen stitches per inch, yet the fabric is moved forward 1/7 inch in each cycle. Type 130 needles, standard gauge No. 1.
- 51500 Z A special style similar to the standard styles in Class 51500, but differing in one or more of its component parts.

STYLES OF MACHINES IN CLASS 51700

Enclosed Type Flat Bed Independent Row Two Needle Machines, Needles Abreast, Double Locked Stitch Type 401, Lateral Looper Travel, External Presser Spring, Parallel Take-up

- 51700 C (Succeeds Styles 16200 N, 16200 Q) For folding and attaching set-on center plait and interlining strip to fronts of shirts and similar garments, one operation, plaits used in garment lengths and extend 1/4 inch beyond the rows of stitches, starts operation at neck, "Tru-Front" folder, Type 106 needles, standard gauges Nos. 56 and 64.
- 51700 D (Succeeds Styles 16200 D, 16200 P) For folding and attaching extension center plait, interlining strip and facing strip, standard gauge No. 64; otherwise same as 51700 C.

STYLES OF MACHINES IN CLASS 51700 (Cont'd)

- 51700 E For folding and attaching buttonhole facings to knitted undergarments; one operation, self-finish front, cut edge facing strip used in long lengths and guided next to feed dog, strip controlled differential top feed, Type 121 needles, standard gauges Nos. 64, 72 and 80.
- 51700 F For attaching garment length single piece extension bands to overalls and similar garments, heavy duty work, one operation, collapsible horn type folder with operating knee press, 1/16 inch seam margins, Type 128 F needles, stitch range 13 to 7 per inch, standard gauge No. 88, includes PULLER.
- 51700 G For folding and attaching cuffs to pajamas and similar garments made from silk and broadcloth, and inserting a corded piping on left side of cuff, one operation, piping made from a 5/8 inch bias strip folded around a 3/32 inch cord. Standard folder has 1/32 inch capacity and delivers a 2 1/8 inch finished strip, Type 106 needles, standard gauge No. 128, includes PULLER.
- 51700 H Equipped with 3/64 inch capacity cuff folder for flannelette fabrics and puller is omitted, otherwise same as 51700 G.
- 51700 Z A special style similar to the standard styles in Class 51700, but differing in one or more of its component parts.

STYLES OF MACHINES IN CLASS 51900

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

51900 A (Succeeds Style 17100 B) For piecing sleeves, joining shoulders, and setting sleeves of shirts and similar garments made of medium and light weight materials; triple stitch felled seam, plain feed, needles Type 106, external presser spring, shielded disc take-up, standard gauges Nos. 5, 6 and 7.

STYLES OF MACHINES IN CLASS 51900 (Cont'd)

- 51900 B (Succeeds Style 17100 C) For seaming overalls, coats, combination suits, and similar garments; triple stitch felled seam, plain feed, needles Type 128, internal presser spring, parallel take-up, standard gauges Nos. 7, 8 and 9.
- 51900 C For seaming wind breakers, mackinaws, lumber jacks and similar garments; double and triple stitch semi felled seam, tractor feed, needles Type 128 F, internal presser spring, parallel take-up, standard triple stitch gauge No. 9.
- 51900 Z A special style similar to the standard styles in Class 51900, but differing in one or more of its component parts.

STYLES OF MACHINES IN CLASS 54100

- Enclosed Type Flat Bed Multiple Needle Machines, Needles Abreast, Chain Stitch Type 101, Loopers Travel In Line With Feed, External Presser Spring
- 54100 B-4 (Succeeds Style 16100 K) For attaching garment length, single piece extension center plaits to shirts; one operation, finishes operation at neck, four needles, folder is horn type and makes 1/16 inch seam margins, Type 106 needles, standard gauges Nos. (12-64-12) and (16-64-16), includes PULLER.
- 54100 C-4 For "cut-on" center plait operation on shirts; finishes operation at neck, four needles, hemmer has 3/64 inch capacity and makes 1/16 inch stitching margins, Type 106 needles, standard gauges Nos. (12-64-12) and (16-64-16), includes PULLER.
- 54100 D-4 Without pulling machine; otherwise same as 54100 B-4.
- 54100 E-4 Without pulling machine; otherwise same as 54100 C-4.
- 54100 Z A special style similar to the standard styles in Class 54100, but differing in one or more of its component parts.

NEEDLES

TYPE NUMBERS AND SIZES

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

To have orders promptly and accurately filled, the empty package, a sample needle, or the type and size numbers should be given. See marks on packages. An intelligent order would read as follows: "1000 Needles Type 106 Size .036". The type numbers of the needles available for use in the styles of machines covered by this catalog are listed below. Set opposite each type number is the description of the needle and the sizes available.

Type No.

Description

- Round shank, round point, extra short, double groove, nickel plated-sizes 019, 022, 025, 027, 029, 032, 034, 036, 038, 040, 042, 044, 046, 049, 054.
- 101 G Round shank, round point, extra short, double groove, chromium plated-sizes 032, 036, 040.
- Round shank, round point, extra short, double groove, ball eye, standard length blade, nickel plated-sizes 027, 029, 032, 036, 038, 040, 042, 044, 049.
- Same as Type 106, except blades are 1/16 inch shorter and shanks are 1/16 inch longer- sizes 032, 036.
- Round shank, round point, extra short, double groove, ball eye, chromium plated-sizes 032, 036, 040, 044.
- Round shank, round point, extra short, double groove, ball eye, spotted, nickel plated-sizes 032, 036, 038, 040, 042, 044, 049, 054.
- Round shank, round point, extra short, double groove, ball eye, spotted, chromium plated-sizes 040, 044, 049, 054.

Type No.	Description
109	Round shank, round point, extra short, double groove, ball eye, government, nickel plated-sizes 027, 032, 036, 040, 044.
109 B	Round shank, round point, extra short, double groove, government, nickel plated-sizes 027, 032, 036, 040, 044, 049.
110	Round shank, round point, extra short, double groove, ball eye, government, spotted, nickel plated- sizes 036, 040, 044.
110 G	Round shank, round point, extra short, double groove, ball eye, spotted, government, chromium plated- size 040.
121	Round shank, round point, short, double groove, nickel plated-sizes 019, 022, 025, 027, 029, 032, 036, 038, 040, 042, 044, 049, 054.
121 G	Round shank, round point, short, double groove, chromium plated- sizes 032, 036, 040, 049.
124	Round shank, round point, short, double groove, spotted, nickel plated-sizes 040, 044, 049, 060, 067, 080, 090.
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, standard width of eye and grooves- sizes 032, 036, 040, 044, 049, 054, 060, 067, 080.
128 F	Round shank, round point, short, double groove, ball eye, spotted, nickel plated, under-size eye and grooves, one step reduction- sizes 044, 049, 054.
128 G	Round shank, round point, short, double groove, ball eye, spotted, chromium plated, under-size eye and grooves, one step reduction- sizes 044, 049, 054.

Type No.

Description

- Round shank, round point, short, double groove, ball eye, spotted, chromium plated, standard width of eye and grooves- sizes 040, 044, 049, 054.
- Round shank, round point, short, double groove, government, nickel plated-sizes 027, 029, 032, 036, 040, 044, 049.
- Round shank, round point, short, double groove, ball eye, government, spotted, nickel plated-sizes 036, 040, 044, 049, 054, 060.
- Round shank, round point, short, double groove, ball eye, government, spotted, chromium plated-sizes 044, 049, 054.
- Round shank, round point, long, double groove, nickel plated- sizes 027, 032, 036, 040, 044, 049, 054, 060.
- Round shank, round point, No. 2 bag, double groove, nickel plated-sizes 054, 060, 067, 080, 090, 100, 120, 140.
- Round shank, round point, No. 2 bag, double groove, chromium plated- sizes 067, 090.
- Round shank, round point, No. 2 bag, double groove, short point, nickel plated-sizes 067, 080, 090.
- Round shank, round point, long, double groove, ball eye, spotted, chromium plated, under-size eye and grooves, one step reduction- sizes 049, 054.
- Round shank, stay point, extra short, double groove, nickel plated-sizes 032, 036, 040, 042, 044, 049.
- Round shank, spear point, extra short, double groove, ball eye, nickel plated-sizes 027, 032, 034, 036, 040, 042, 044, 049, 054.

Type No.

Description

- Round shank, spear point, short, double groove, ball eye, spotted, nickel plated-sizes 044, 049, 054, 060, 067, 080.
- Round shank, spear point, No. 2 bag, double groove, plain finish- sizes 067, 073, 080.
- 943 G Round shank, spear point, No. 2 bag, double groove, chromium plated- sizes 073, 080.

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 numbers of the needles that can be used. Type numbers are arranged numerically, as the variety of the materials sewed on each machine makes it impractical to show a preference.

Machine Style	Type of Needles
51200 A	106, 106 G, 108, 108 G, 109, 110, 110 G, 302, 907
51200 B	126, 128, 128 F, 128 G, 128 GA, 130, 130 G, 929
51200 C	126, 128, 128 F, 128 G, 128 GA, 130.
51200 G	130 G, 929 106, 106 A, 106 G, 108, 109, 110, 110 G, 302, 907
51200 H 51200 J	101, 106, 106 G, 109 B
51300 A	106, 106 G, 108, 108 G, 109, 110, 110 G, 302, 907
51300 B	126, 128, 128 F, 128 G, 128 GA, 130, 130 G, 929
51300 C	140, 143, 143 G, 144, 147 G, 943, 943 G 126, 128, 128 F, 128 G, 128 GA, 130,
51300 D 51400 A	130 G, 929 140, 143, 143 G, 144, 147 G, 943, 943 G
51400 A	106, 106 A, 106 G, 108, 108 G, 109, 110, 110 G, 302, 907
51400 B	106, 106 A, 106 G, 108, 108 G, 109
51400 C	110, 110 G, 302, 907 106, 106 A, 106 G, 108, 108 G, 109,
51400 р	110, 110 G, 302, 907 106, 106 A, 106 G, 108, 108 G, 109, 110, 110 G, 302, 907

APPLICATION OF TYPE NUMBERS TO MACHINES (Cont'd)

Machine Style	Type of Needles
51400 E	106, 106 A, 106 G, 108, 108 G, 109, 110,
51400 F	110 G, 302, 907 106, 106 G, 108, 108 G, 109, 110, 110 G, 302, 907
51400 G 51400 H 51400 J	101, 101 G, 109 B 101, 106, 106 G, 109 B 106, 106 A, 106 G, 108, 108 G, 109, 110.
51400 K	110 G, 302, 907 106, 106 A, 106 G, 108, 108 G, 109, 110,
51400 L	110 G, 302, 907 106, 106 G, 108, 108 G, 109, 110, 110 G,
51400 M	302, 907 106, 106 G, 108, 108 G, 109, 110, 110 G, 302, 907
51400 N	106, 106 G, 108, 108 G, 109, 110, 110 G,
51500 A	302, 907 126, 128, 128 F, 128 G, 128 GA, 130,
51500 C	130 G, 929 126, 128, 128 F, 128 G, 128 GA, 130,
51500 D 51500 G	130 G, 929 140, 143, 143 G, 144, 147 G, 943, 943 G 126, 128, 128 F, 128 G, 128 GA, 130,
51700 C	130 G, 929 106, 106 A, 106 G, 108, 109, 110, 110 G,
51700 D	302, 907 106, 106 A, 106 G, 108, 109, 110, 110 G,
51700 E 51700 F	302, 907 121, 121 G, 124, 129 126, 128, 128 F, 128 G, 128 GA, 130, 130 G, 929
51700 G	106, 106 G, 108, 109, 110, 110 G, 302,
51700 Н	907 106, 106 G, 108, 109, 110, 110 G, 302,
51900 A	907 106, 106 G, 108, 108 G, 109, 110, 110 G,
51900 B	302, 907 126, 128, 128 F, 128 G, 128 GA, 130,
51900 C	130 G, 929 126, 128, 128 F, 128 G, 128 GA, 130,
54100 B-4 54100 C-4 54100 D-4 54100 E-4	130 G, 929 106, 106 G, 108, 108 G 106, 106 G, 108, 108 G 106, 106 G, 108, 108 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.

LIST OF PARTS

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

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

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

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

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

IDENTIFYING PARTS

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

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

SUPPLIES

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

ORDERING REPAIR PARTS (Cont'd)

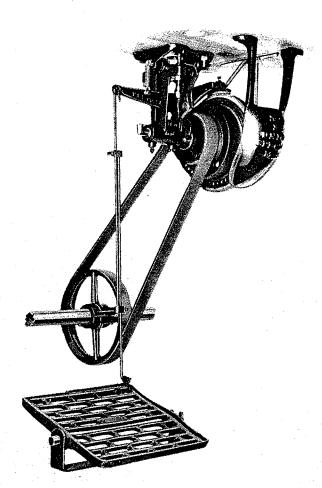
USE GENUINE NEEDLES AND REPAIR PARTS

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.



Transmitter No. 28636 AA.

Line shaft, line shaft pulley, and belting are shown only for clarity, and are not covered by the symbol "No. 28636 AA".

Close-up of transmitter head.

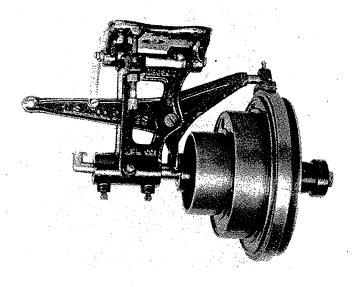
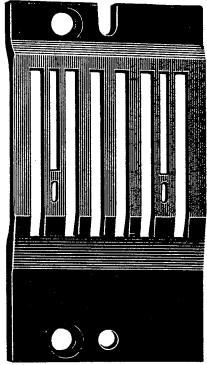
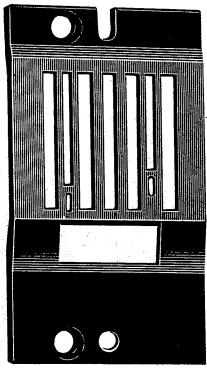


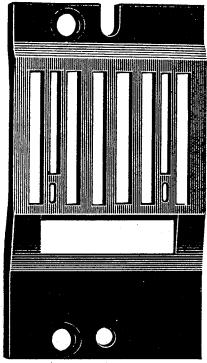
Plate 1 - Full Size



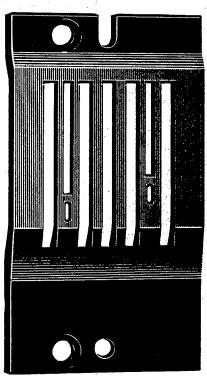
51724 Specify Gauge



51424B Specify Gauge

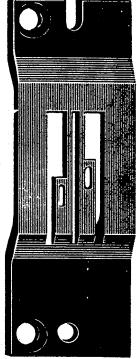


51724D Specify Gauge

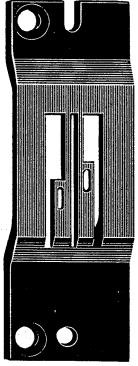


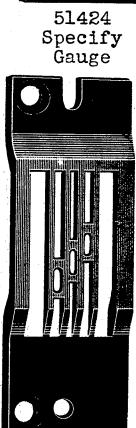
51424C-48

Plate 2- Full Size

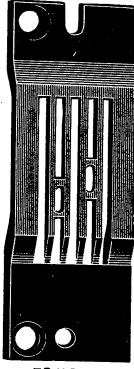


51428 Specify Gauge

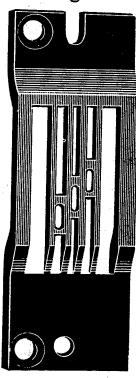




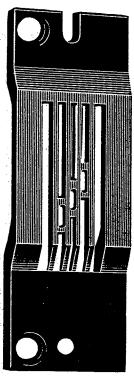
51924A Specify Gauge



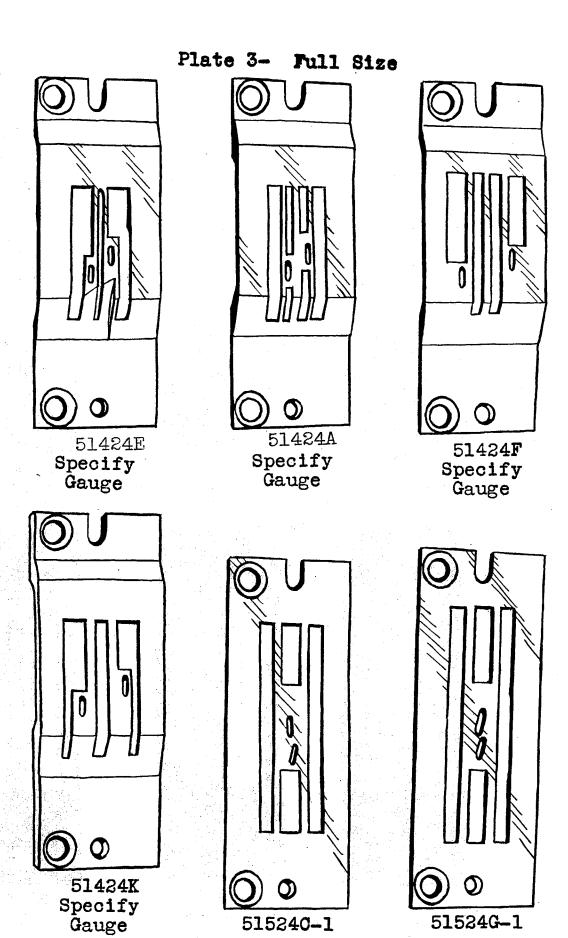
51524 Specify Gauge



51924B Specify Gauge



51924 Specify Gauge



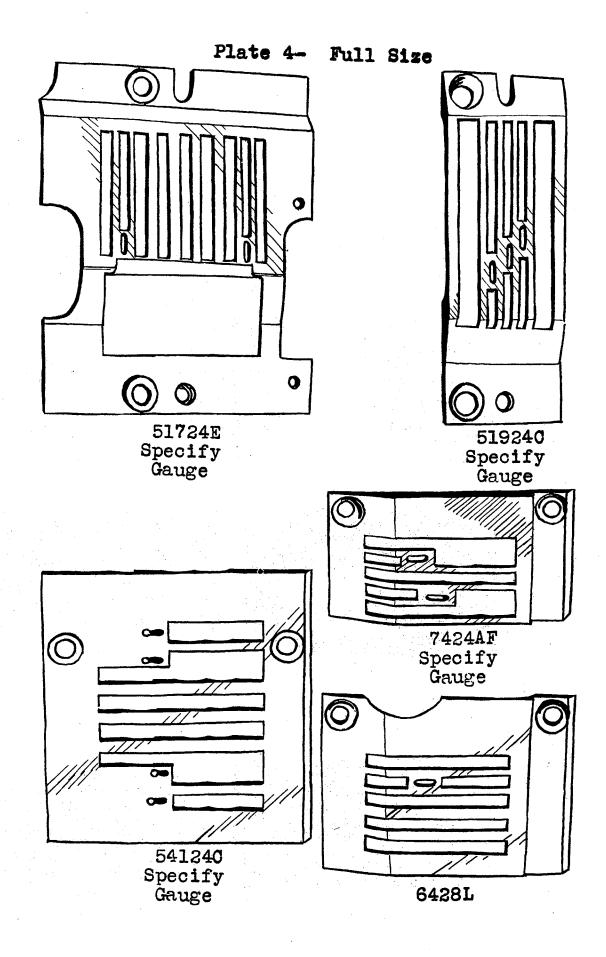
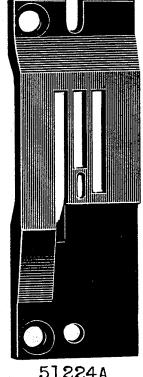
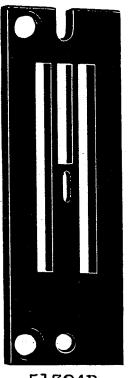


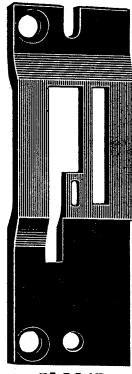
Plate 5- Full Size



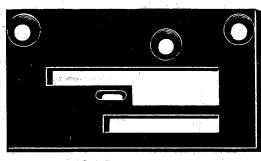




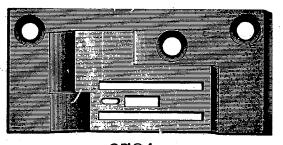
51324B



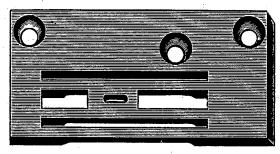
51224B



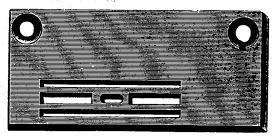
6424W



9724

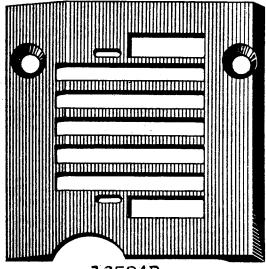


9224E

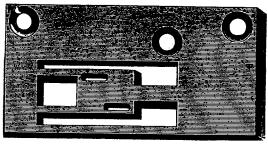


112

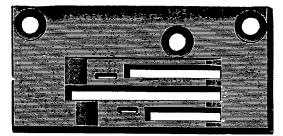
Plate 6- Full Size



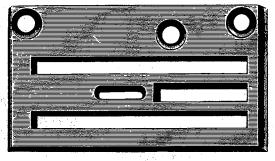
16524B Specify Gauge



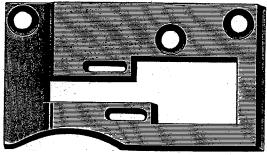
7024C Specify Gauge



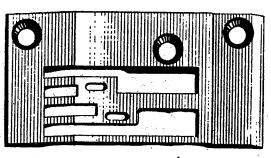
7424B Specify Gauge



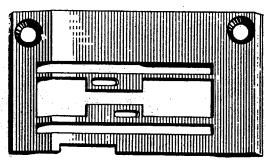
195X



195Y Specify Gauge

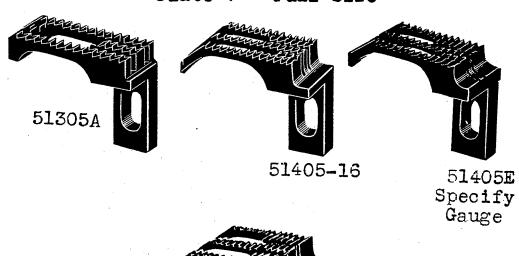


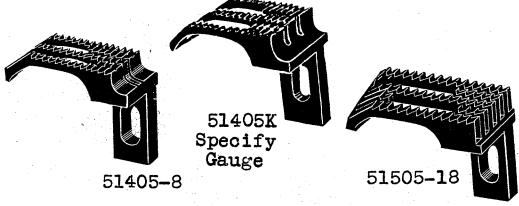
7528H-4 1/2

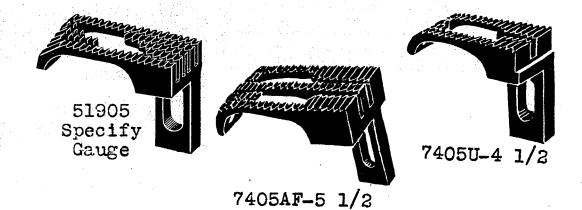


7424AG-5

Plate 7- Full Size







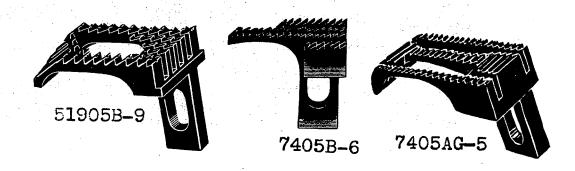


Plate 8- Full Size

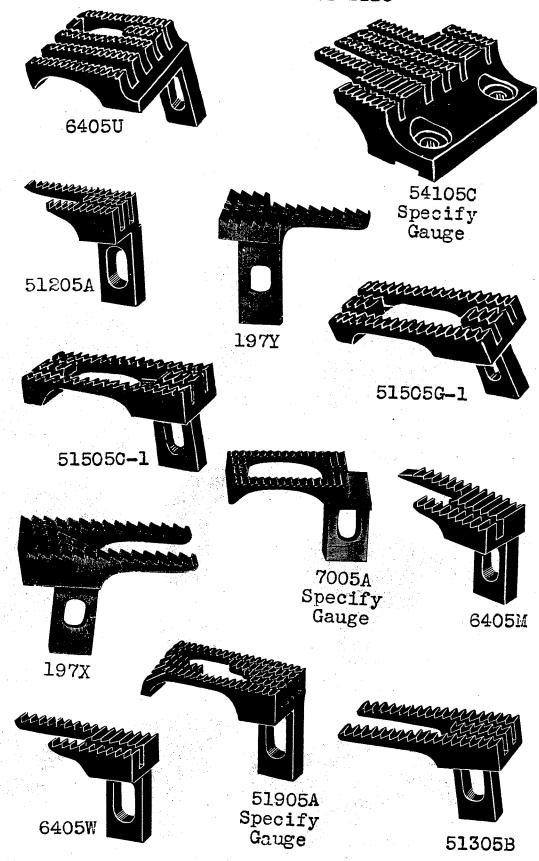


Plate 9- Full Size

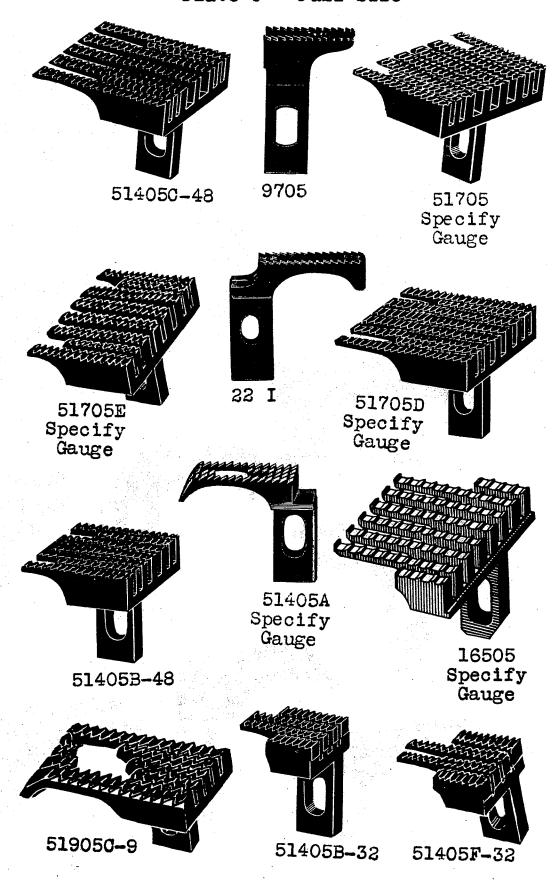


Plate 10- Full Size



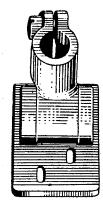
51320C



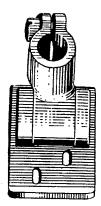
7020B Specify Gauge



198B Specify Gauge



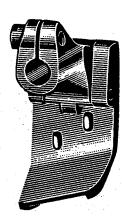
51420K Specify Gauge



7420AG Specify Gauge



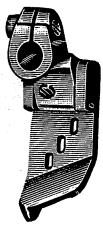
51420 Specify Gauge



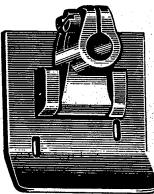
51520 Specify Gauge



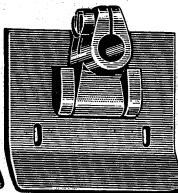
35820P Specify Gauge



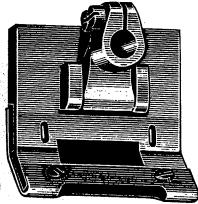
51920 Specify Gauge



514200 Specify Gauge



51720D Specify Gauge



51720 Specify Gauge

Plate 11- Full Size

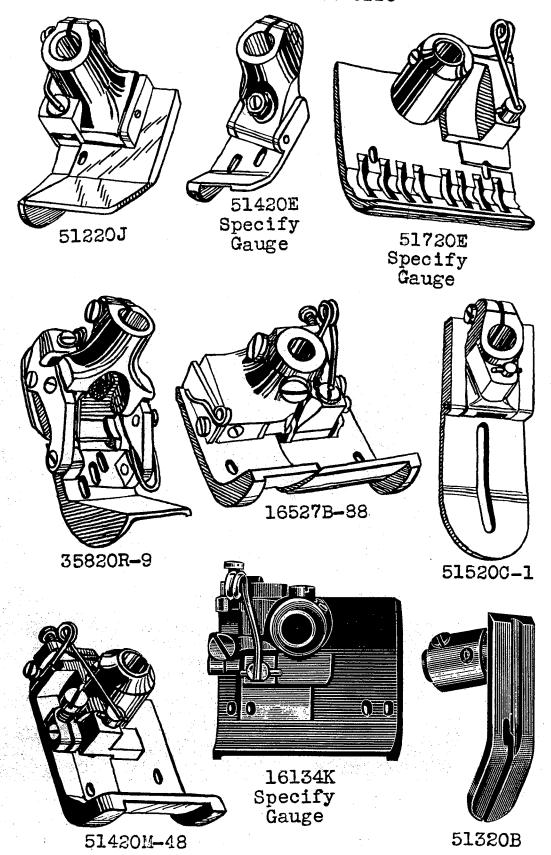


Plate 12- Full Size

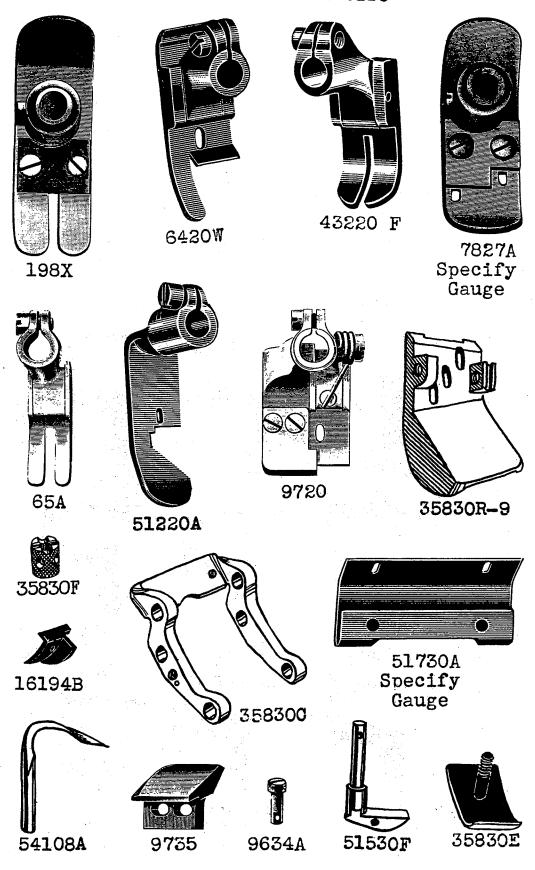


Plate 13- Full Size

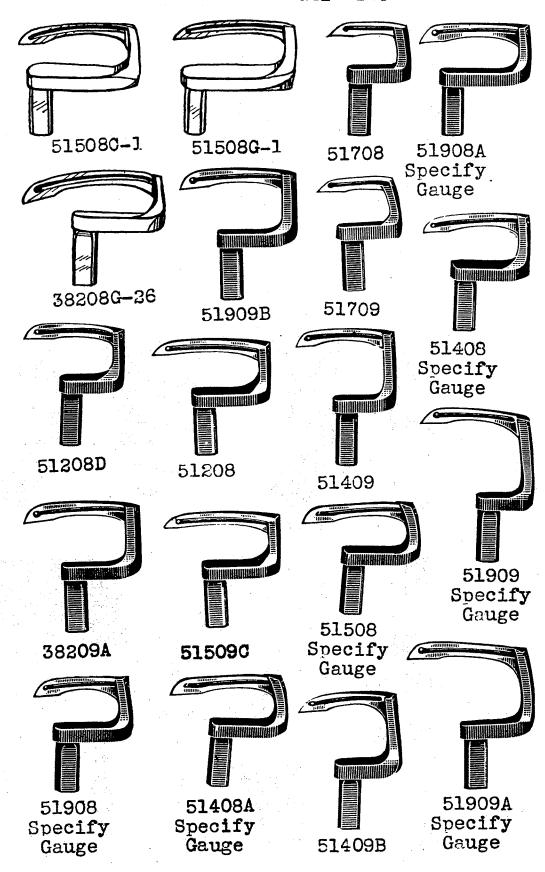


Plate 14- Full Size



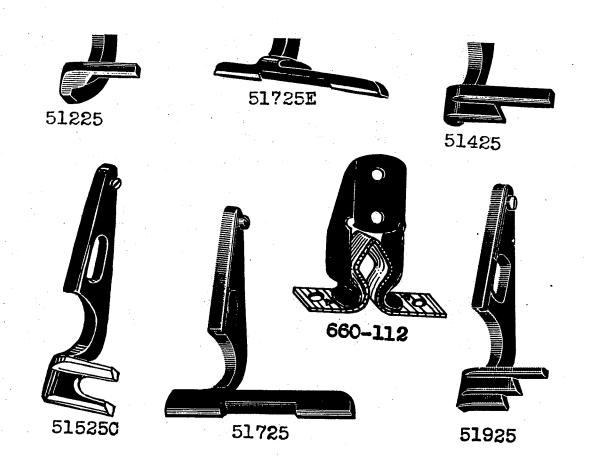


Plate 15- Full Size

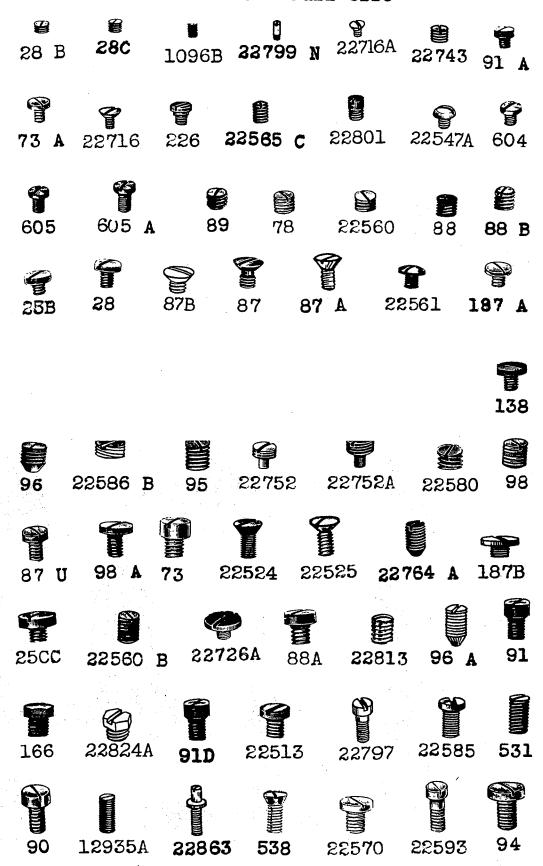


Plate 16- Full Size



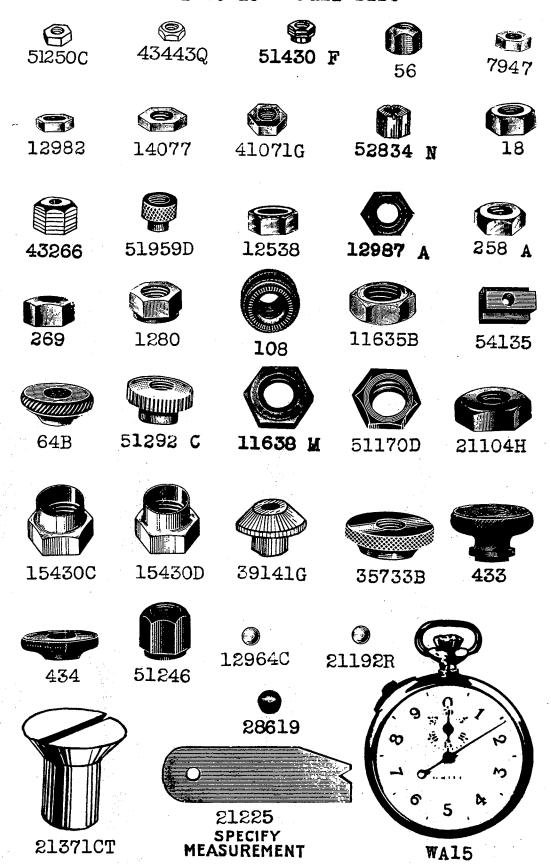
Plate 17- Full Size



Plate 18- Full Size



Plate 19- Full Size







21210



21210 A



21211



8372A









39236 A



6042A



21657E



9255



12957 E



36G



51771





41258



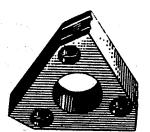
51773



51147



51236C



41258 E

Plate 21- Full Size

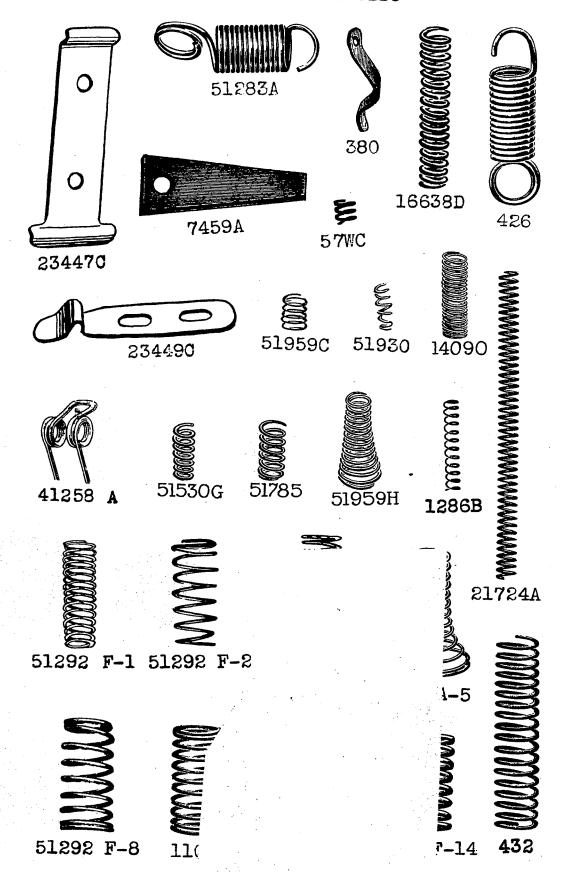


Plate 22-Full Size



51418K Specify Gauge



35818N Specify Gauge



51918 Specify Gauge



7018E Specify Gauge



52818-8



16152 Specify Gauge



51518G-1



8118-64



51418B Specify Gauge



7933 Specify Gauge



7040 Specify Gauge



50J-16





11534







16194



16241



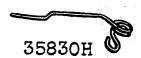
8040



16241A



35830K





35830D

Plate 23- Full Size

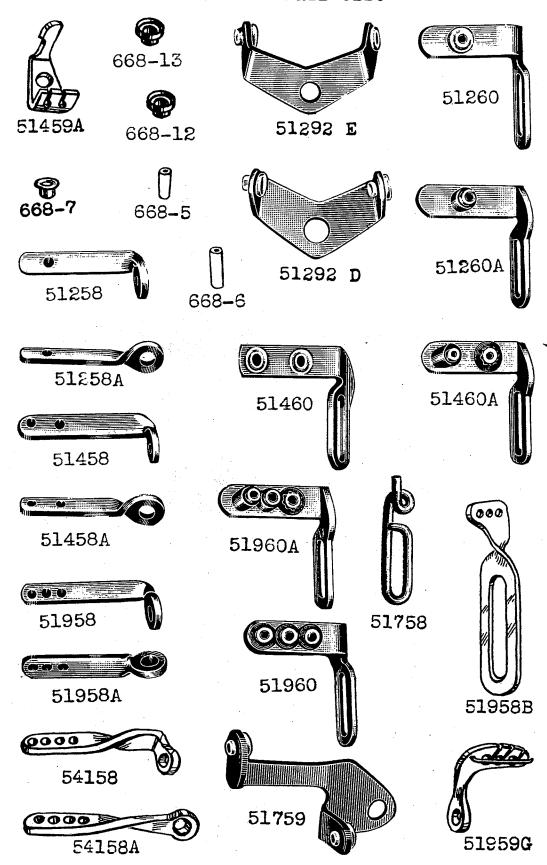
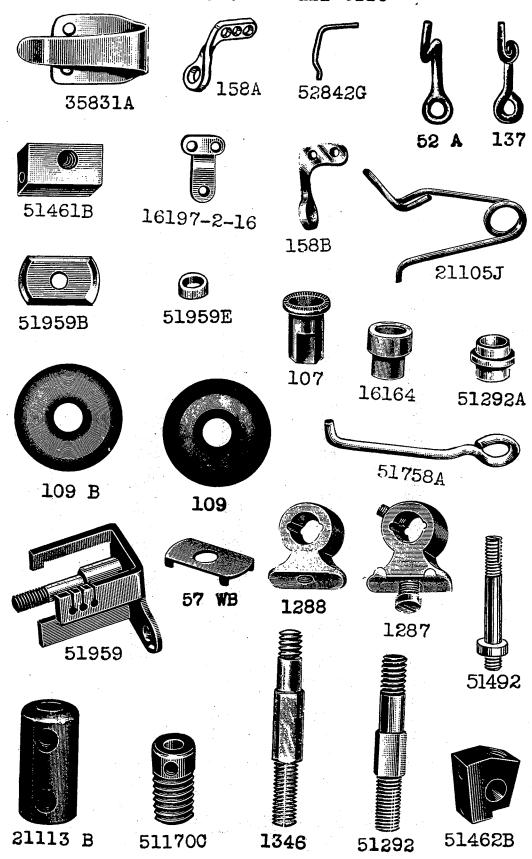


Plate 24- Full Size



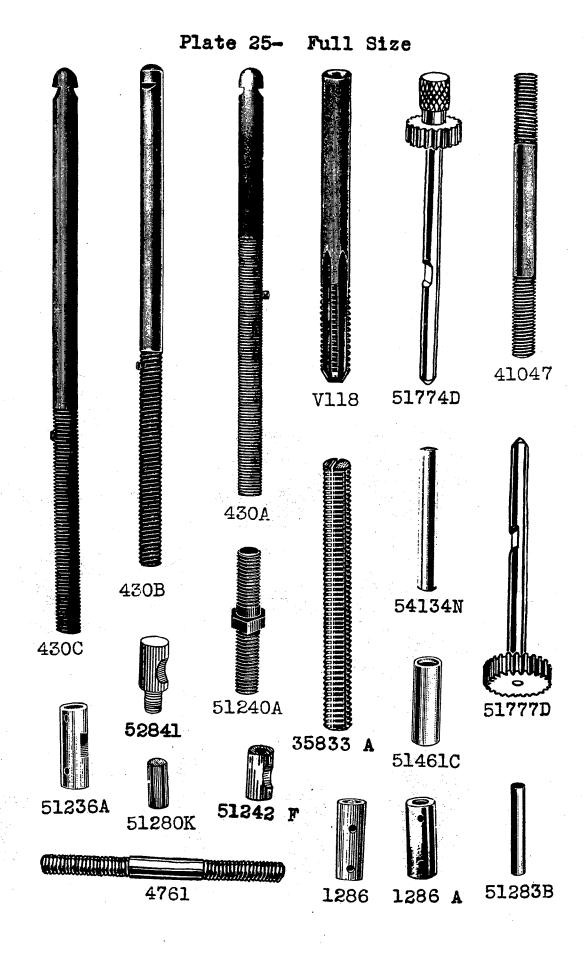


Plate 26- Full Size



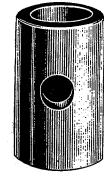
51242C



51290



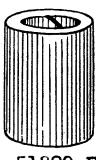
51290D



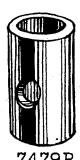
51290A



51244E



51290 E



7479P



51254

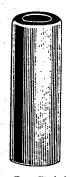




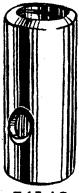




51257A



51254A



54142



512440

Plate 27- Full Size

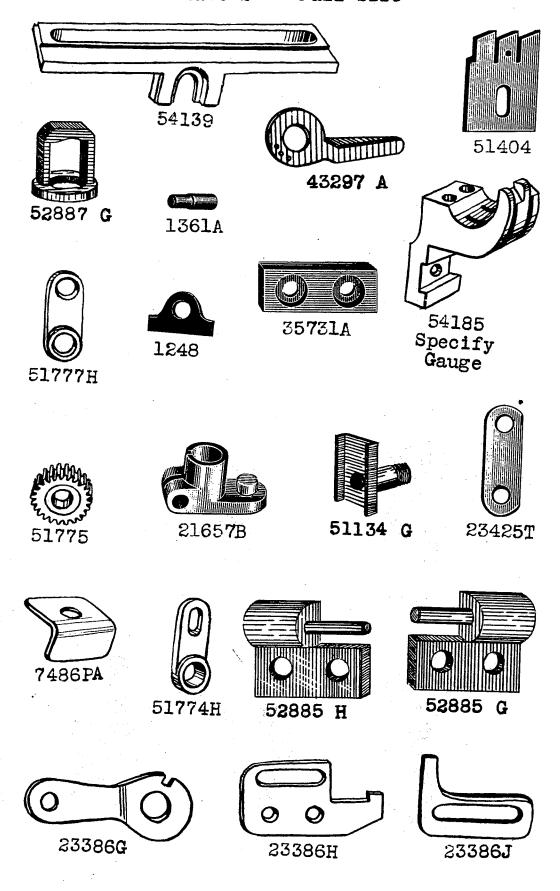


Plate 28- Full Size



Plate 29- Full Size

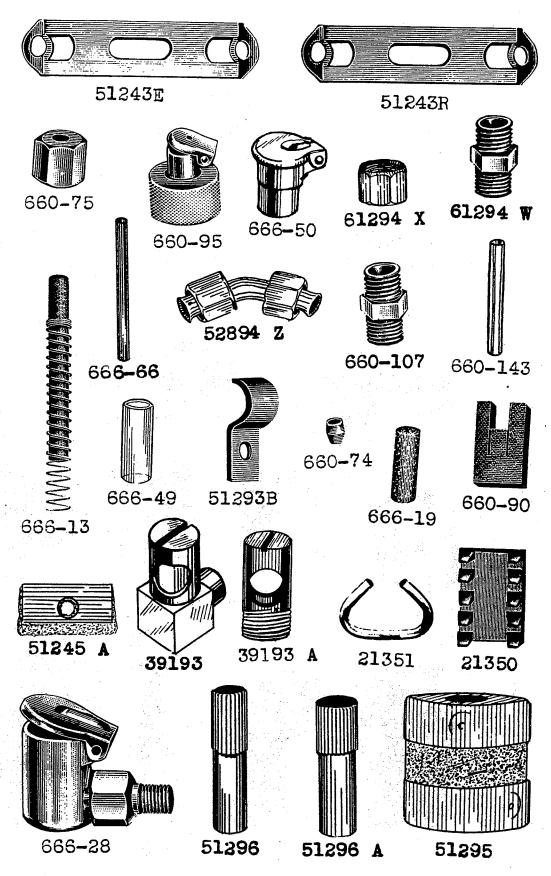


Plate 30- One-half Size

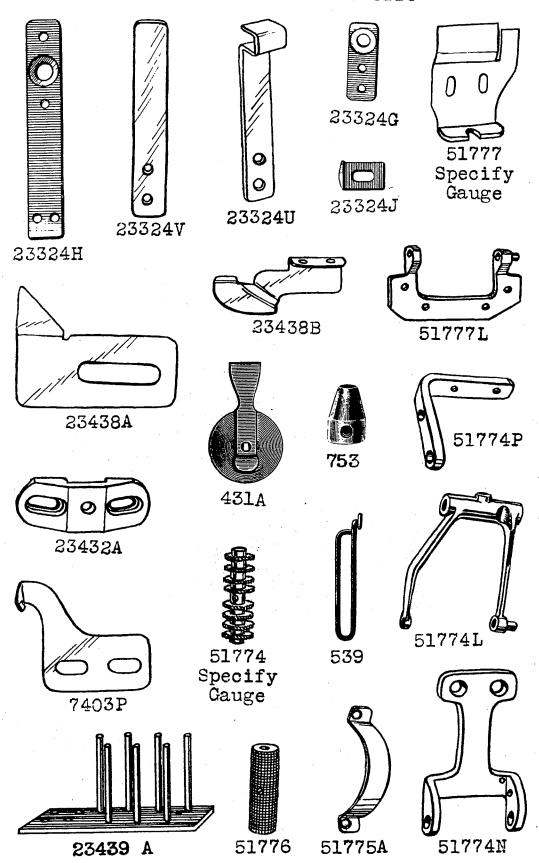


Plate 31- One-half Size

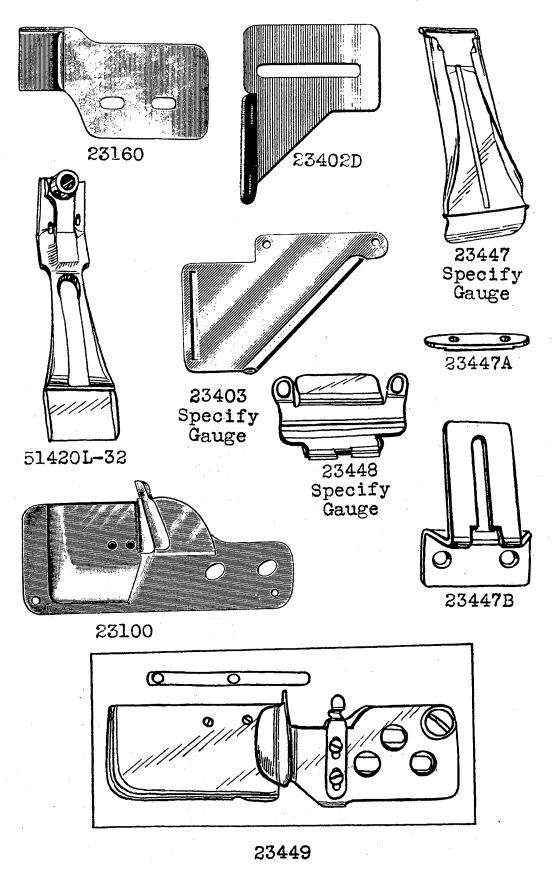


Plate 32- One-half Size

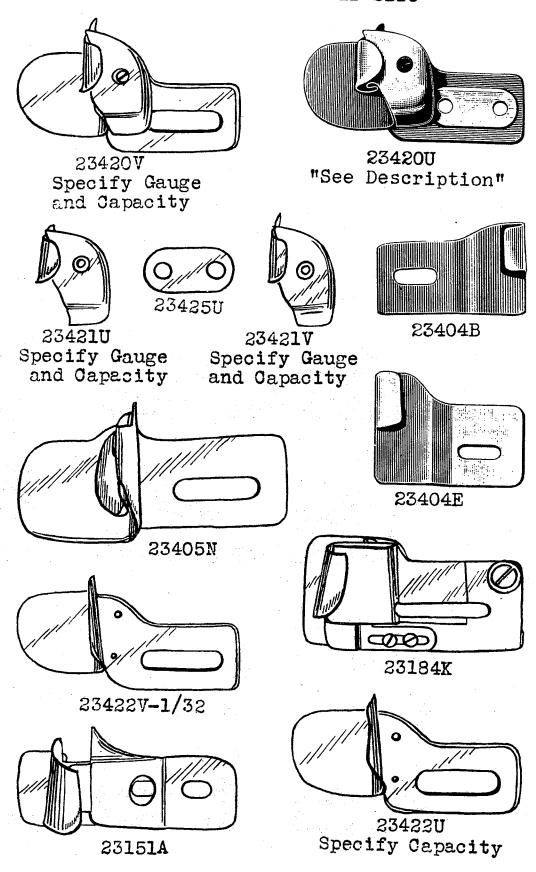
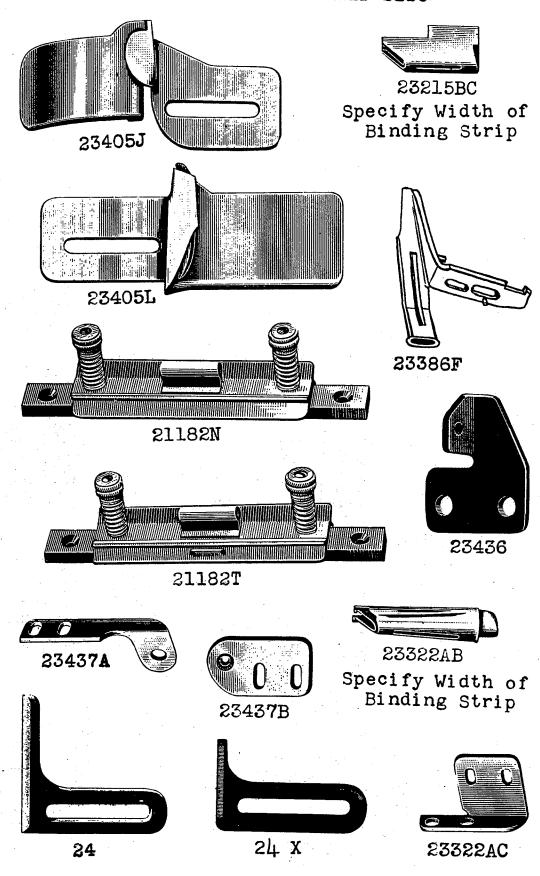
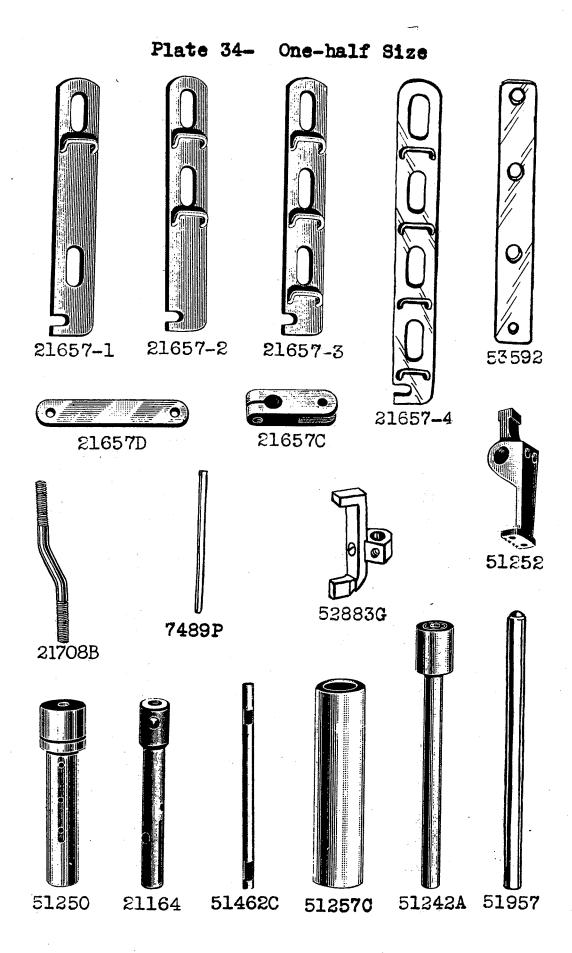


Plate 33- One-half Size





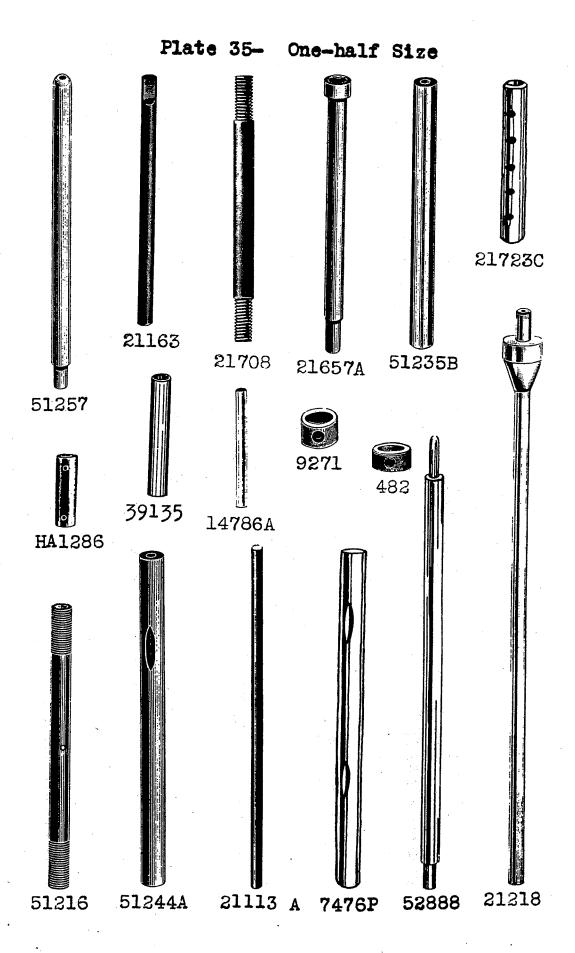


Plate 36- One-half Size

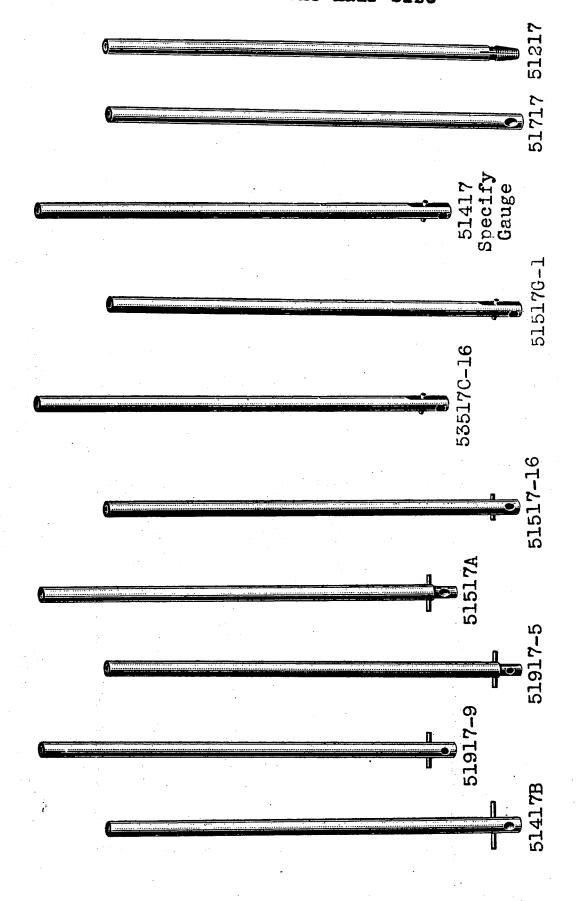


Plate 37- One-half Size

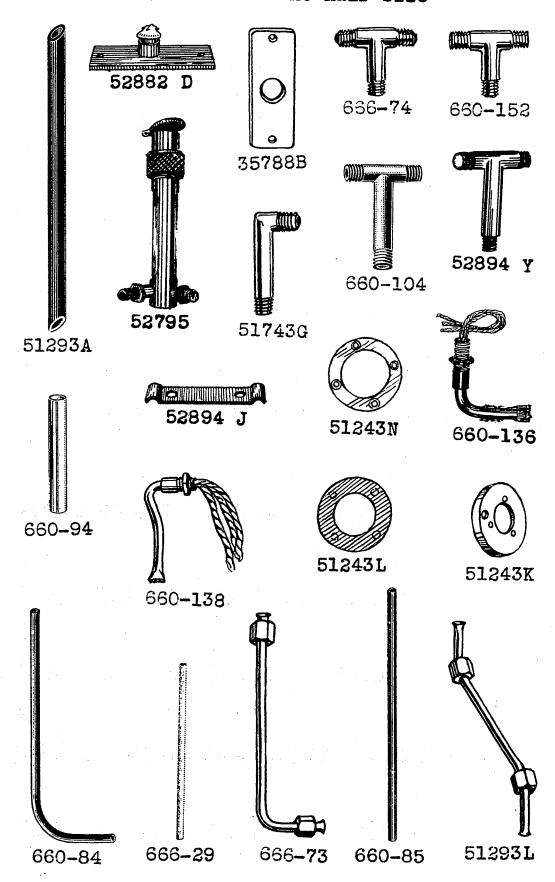


Plate 38- One-half Size

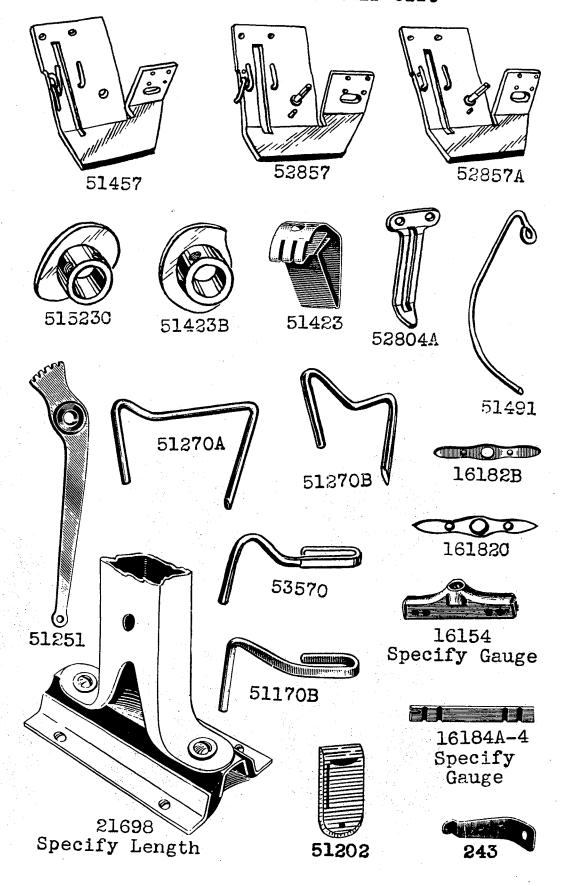
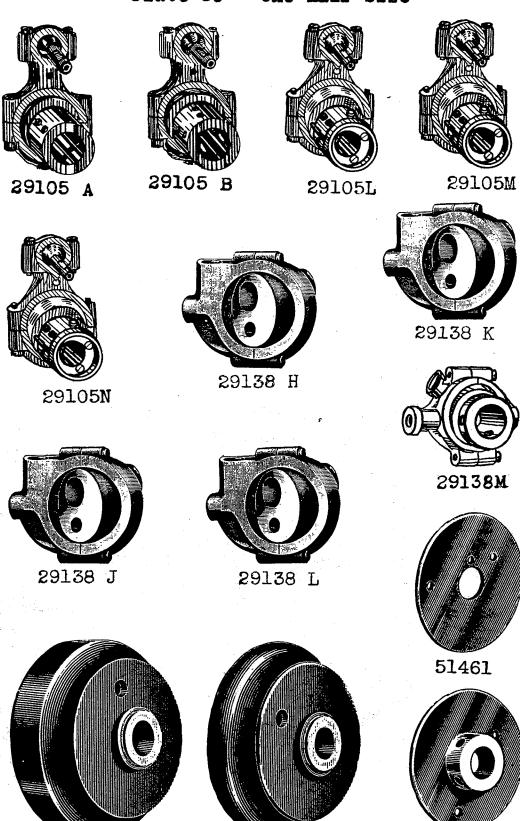


Plate 39- One-half Size



51221

51321A

51461A

Plate 40- One-half Size

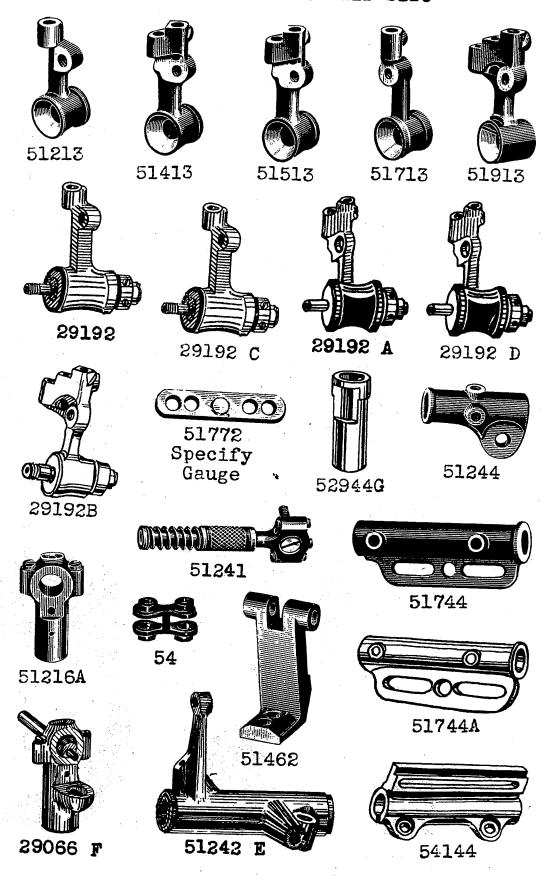
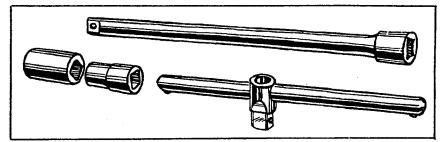
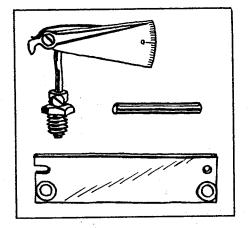


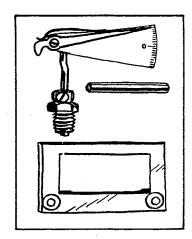
Plate 41- One-half Size



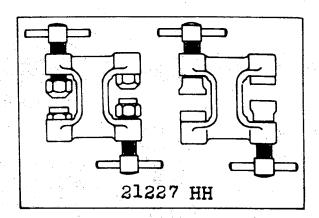
21388AE



21227AC



21227R





21104 E



21104 C

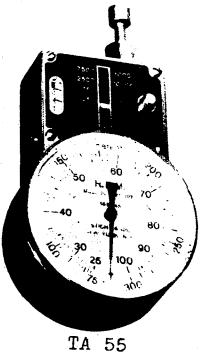


Plate 42- One-half Size

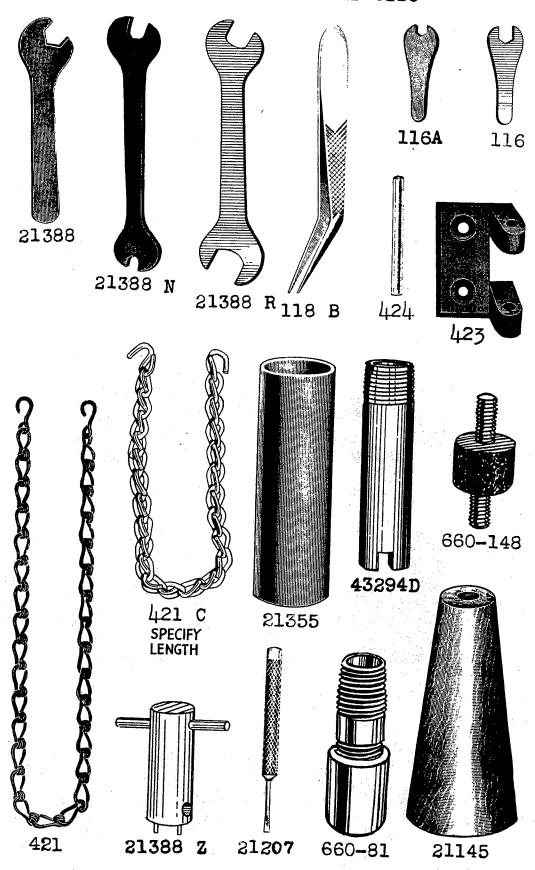


Plate 43- One-half Size

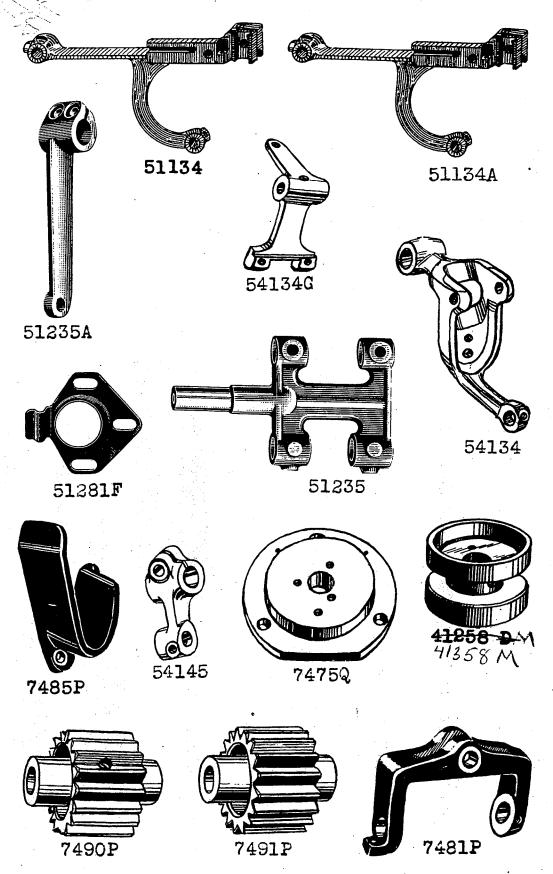


Plate 44- One-half Size

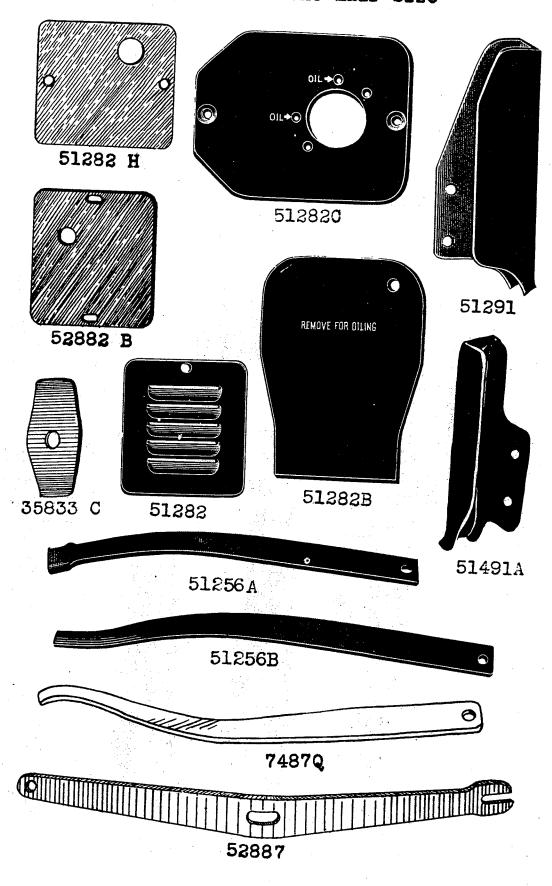


Plate 45- One-fourth Size

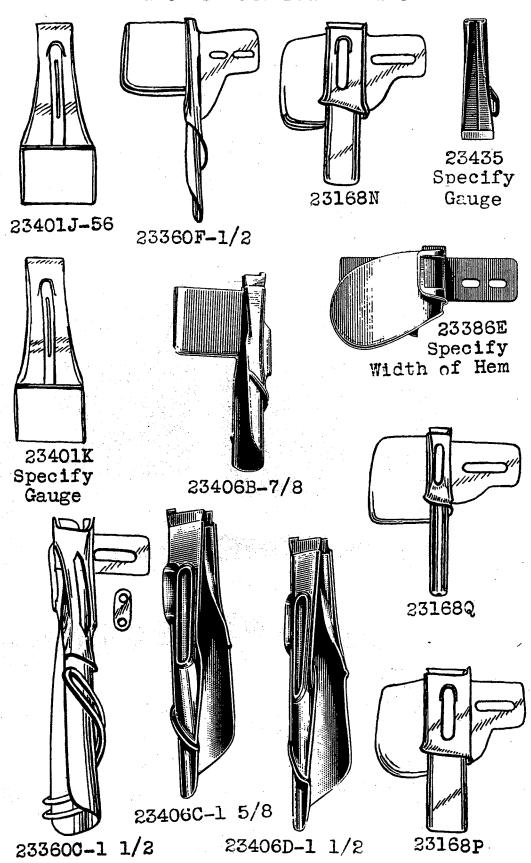


Plate 46- One-fourth Size

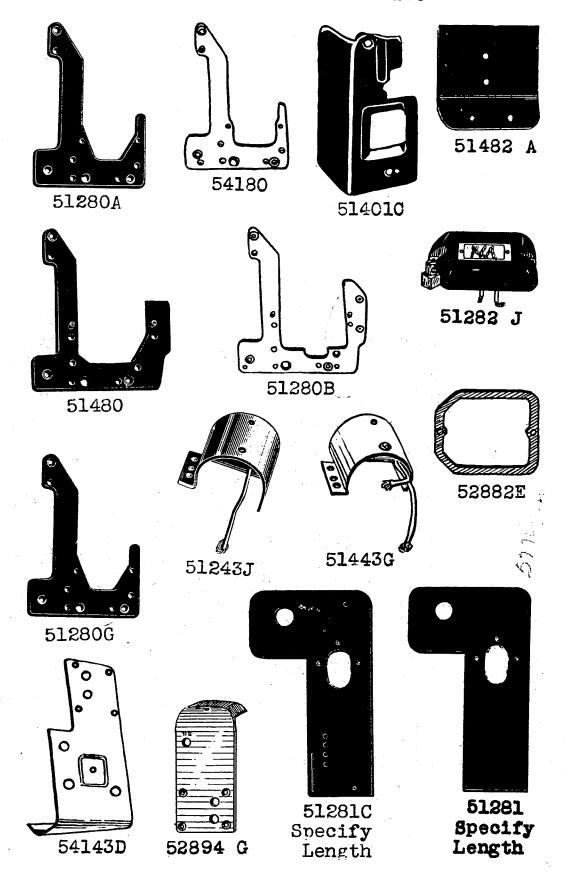
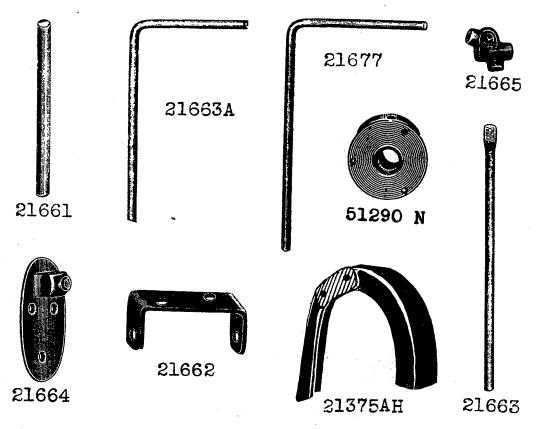


Plate 47- One-fourth Size



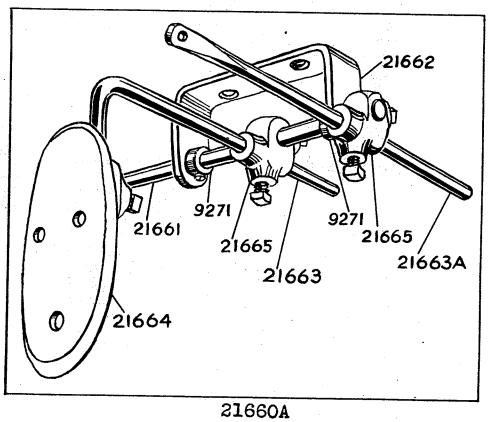


Plate 48- One-fourth Size

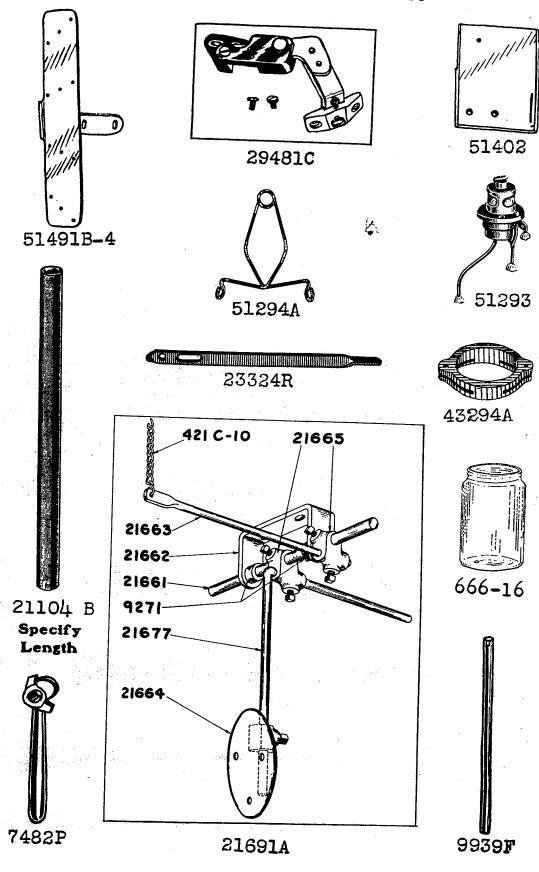


Plate 49- One-fourth Size

