



**STYLES** 

ADJUSTING INSTRUCTIONS AND ILLUSTRATED PARTS LIST

51200

51400

51600

51700

CLASS 51200 FLAT BED ONE NEEDLE DOUBLE LOCKED STITCH LIGHT DUTY MACHINES

CATALOG NO. 92L

> FIRST EDITION

# FIRST EDITION © 1942

PRINTED 1996 IN USA

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#### FOREWORD

The dominating idea back of "Union Special" is to build the best industrial sewing machines in the world. Our new line of high speed flat bed machines in Classes 51200, 51400, 51600 and 51700, is a pronounced achievement along these lines. All parts are made to gauges with exceedingly close limits.

It is our constant aim to furnish carefully prepared information that will enable the customer to secure all possible economies and advantages from the use of Union Specials. On the pages which follow will be found illustrations and descriptions of the parts for styles in Classes 51200, 51400, 51600 and 51700.

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

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

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

UNION SPECIAL MACHINE COMPANY

Engineering Department

### IDENTIFICATION OF MACHINES

Each Union Special carries a style number which is stamped on 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 P. Style numbers containing the letter "Z" are special. When minor changes are made from a standard machine style, a "Z" is suffixed to the standard style number. Example: 51400 PZ.

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.

Certain special machines, not readily identifiable with a particular machine style, have the letter "Z" suffixed to the class number alone. Example: 51400 Z.

The distance between the rows of stitches in Class 51400, 51600 and 51700 machines is represented by a gauge number measured in 1/64ths of an inch, viz: 12 gauge represents a distance of 12/64 or 3/16 inch. 64 gauge represents a distance of 64/64 or 1 inch.

### APPLICATION OF CATALOG

This catalog applies only to the standard styles of machines herein listed. It can 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 6400 I, 15900 D). For binding aprons, dresses and similar garments; seam Type BSc-1, capillary oiling system. Type 106 needle, uses cut edge strips, standard widths 3/4, 7/8, 1 1/8, and 1 1/4 inch.
- 51200 B (succeeds 6400 M). For seaming mattress ticks; bound seam Type BSa-1, English binder, capillary oiling system, Type 126 needle, uses selvage edge strip, standard widths 5/8, 3/4 and 7/8 inch.
- 51200 C (succeeds 6400 W). For seaming mattress ticks; plain seam, capillary oiling system, Type 126 needle.
- 51200 D (succeeds 1700 F, 1700 H). For seaming canton flannel and jersey cloth gloves, also leather palm gloves; seam Type SSa-1, capillary oiling system, Type 101 needle.
- 51200 G (succeeds 6400 N). For joining shoulders of shirts; one operation, seam Type LSe-1, capillary oiling, Type 106 needle.

- 51200 H (succeeds 6000 A). For miscellaneous operations on knitted drawer bands and knitted shirt fronts; capillary oiling system, Type 101 needle.
- 51200 J (succeeds 15900 F). For attaching one piece extension button stays to front and sleeves of woven shirts, also facing sleeves; seam Type BSc-1, capillary oiling, Type 106 needle, strips used in either garment length or long lengths, standard widths 1/2, 3/4, 7/8 and 1 inch.
- 51200 K (succeeds 6400 I, 15900 D, 51200 A). For binding aprons, dresses, and similar garments; seam Type BSc-1, enclosed type oiling system for looper drive eccentric and crank, Type 106 needle, uses cut edge strip, standard widths 3/4, 7/8, 1 1/8, and 1 1/4 inch.
- 51200 L (succeeds 6400 M, 51200 B). For seaming mattress ticks; bound seam Type BSa-1, English binder, enclosed type oiling system for looper drive eccentric and crank, Type 126 needle, uses selvage edge strip, standard widths 5/8, 3/4 and 7/8 inch.
- 51200 M (succeeds 6400 W, 51200 C). For seaming mattress ticks; plain seam, enclosed type oiling system for looper drive eccentric and crank, Type 126 needle.
- 51200 N (succeeds 1700 F, 1700 H, 51200 D). For seaming canton flannel and jersey cloth gloves, also leather palm gloves; seam Type SSa-1, enclosed type oiling system for looper drive eccentric and crank, needle Type 101.
- 51200 R (succeeds 6400 N, 51200 G). For joining shoulders of shirts, one operation; seam Type LSa-1, enclosed type oiling system for looper drive eccentric and crank, Type 106 needle.
- 51200 S (succeeds 6000 A, 51200 H). For miscellaneous operations on knitted drawer bands and knitted shirt fronts; enclosed type oiling system for looper drive eccentric and crank, needle Type 101.
- 51200 T (succeeds 15900 F, 51200 J). For attaching one piece extension button stays to front and sleeves of woven shirts, also facing sleeves: seam Type BSc-1, enclosed type oiling for looper drive eccentric and crank, Type 106 needle, strips used in either garment length or long lengths, standard widths 1/2, 3/4, 7/8 and 1 inch.
- 51200 U For attaching one piece extension button stays to front and sleeves of woven shirts, also facing sleeves; seam Type BSc-1, upper roller feed, capillary oiling system, Type 106 needle, strips used in either garment lengths or long lengths, standard widths 1/2, 5/8, 3/4, 7/8 and 1 inch.

- 51200 V For attaching one piece extension button stays to knitted undergarments; seam Type BSc-1, upper roller feed, thumbscrew adjustment off-set differential feed, capillary oiling system, needle Type 106, strips used in long lengths, standard widths 3/8, 1/2, 9/16, 5/8, 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 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 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 Type LSc-2, 5/32 inch space between needles in line with feed, feed surface between needles of No. 16 and wider gauges, capillary oiling system, Type 106 needles, standard gauges Nos. 6, 8, 10, 12, 16 and 18.
- 51400 B (succeeds 7400 X). For folding and attaching extension center plait, interlining strip and facing strip to front of shirts and similar garments; one operation, seam Type LSj-2, 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, capillary oiling system, Type 106 needles, standard gauge No. 48.
- 51400 C (succeeds 7400 AH). Same as 51400 B, except it is designed for folding and attaching set-on center plait and interlining strip; seam Type LSm-2.
- 51400 D (succeeds 7400 AL). For folding and attaching inside button facing to shirts and similar garments; one operation, seam Type LSk-2, 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. Capillary oiling system Type 106 needles, standard gauges Nos. 32 and 48.

- 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 Type LSc-2, 5/32 inch space between needles in line with feed, feed surface between needles for all gauges capillary oiling system, Type 106 needles, standard gauges Nos. 8, 10, 12, 16
- 51400 F For "cut-on" button stay operation on shirts; turn down hem seam Type EFb-2 inverted, starts operation at neck, 5/32 inch space between needles in line with feed, capillary oiling system Type 106 needles, standard width of hem 5/8 inch; standard gauge No. 32.
- 51400 G (succeeds 7400 AG). For hemming bloomers and similar garments made from knitted fabrics, and simultaneously inserting an elastic band within the hem, seam Type EFg-2, 3/16 inch space between needles in line with feed, 1 1/8 inch, parallel take-up, built in puller, capillary oiling system Type 101 needles, 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 machines.
- 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 finish of the hem.
- 51400 H (succeeds 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, capillary oiling system, Type 101 needles, standard gauges Nos. 16 and 18.
- 51400 J (succeeds 7400 B). For setting sleeves of extra fine quality shirts and similar garments made from medium and light weight materials; double stitch felled seam Type LSc-2, 3/16 inch space between needles in line with feed, feed surface between needles, capillary oiling system, Type 106 needles, standard gauge No. 26.
- 51400 K For quilting collar bands of shirts and similar garments, 5/32 inch space between needles in line with feed, capillary oiling system, Type 106 needles, standard gauges Nos. 24 and 26.
- 51400 M (succeeds 7400 AK). For folding and attaching single piece facings to sleeves of shirts and similar garments, one operation, facing used in garment lengths, capillary oiling system, Type 106 needles, 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, capillary oiling system, Type 106 needles, standard width of hem 7/8 inch, standard gauge No. 48.
- 51400 P (succeeds 7400 A, 7400 B, 51400 A). 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 Type LSc-2, 5/32 inch space between needles in line with feed, feed surface between needles of No. 16 and wider gauges, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard gauges Nos. 6, 8, 10, 12, 16 and 18.
- 51400 Q (succeeds 7400 X, 51400 B). For folding and attaching extension center plait, interlining strip and facing strip to fronts of shirts and similar garments; one operation, seam Type LSj-2, 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, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard gauge No. 48.
- 51400 R (succeeds 7400 AH, 51400 C). Same as 51400 Q, except it is designed for folding and attaching set-on center plait and interlining strip, seam Type LSm-2.
- 51400 S (succeeds 7400 AL, 51400 D). For folding and attaching inside button facing to shirts and similar garments; one operation, seam Type LSk-2, 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, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard gauges Nos. 32 and 48.
- 51400 T (succeeds 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 Type LSc-2, 5/32 inch space between needles in line with feed, feed surface between needle for all gauges, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard gauges Nos. 8, 10, 12 and 16.

- 51400 U (succeeds 51400 F). For "cut-on" button stay operation on shirts; turn down hem, stitching Type EFb-2 inverted; starts operation at neck, 5/32 inch space between needles in line with feed, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard width of hem 5/8 inch, standard gauge No. 32.
- 51400 V (succeeds 7000 A, 51400 H). For uniting the lower edge of French drawer bands to the body fabric; seam Type LSd-2, 3/16 inch space between needles in line with feed, enclosed type oiling system for looper drive eccentric and crank, Type 101 needles, standard gauges Nos. 16 and 18.
- 51400 W (succeeds 7400 B, 51400 J). For setting sleeves of extra fine quality shirts and similar garments made from medium and light weight materials; double stitch felled seam Type LSc-2, 3/16 inch space between needles in line with feed, feed surface between needles, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard gauge No. 26.
- 51400 X (succeeds 51400 K). For quilting collar bands of shirts and similar garments; 5/32 inch space between needles in line with feed, enclosed type oiling system for looper drive eccentric crank, Type 106 needles, standard gauges Nos. 24 and 26.
- 51400 Y (succeeds 51400 L). For folding and attaching set-on button stay to fronts of work shirts and similar garments; seam Type Lsk-2, 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, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard Gauge No. 32.
- $51400\ Z$  A special style similar to the standard styles in Class 51400, but differing in one or more of its component parts.
- 51400 AA (succeeds 7400 AK, 51400 M). For folding and attaching single piece facing to sleeves of shirts and similar garments; one operation, seam Type BSc-2, facing used in garment lengths, 5/32 inch space between needles in line with feed, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard gauge No. 48.

- 51400 AB (succeeds 51400 N). For "cut-on" button stay operation on shirts; turn up hem, stitching Type EFb-2, starts operation at neck, 5/32 inch space between needles in line with feed, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard width of hem 7/8 inch, standard gauge No. 48.
- 51400 AC For setting puff sleeves in waists, pajamas and similar garments made from light weight woven fabrics and similar operations where a large percent of the work calls for intermittently or continuously gathered curved seams and a small percent calls for intermittently or continuously gathered straight seams, seam Type LSc-2, upper ply of fabric passes to right of needles 5/32 inch space between needles in line with feed, treadle controlled 3 to 1 differential feed gathering mechanism, capillary oiling system, Type 106 needles, standard gauges Nos. 12 and 16.

#### STYLES OF MACHINES IN CLASS 51600

Enclosed Type Flat Bed Independent Row Two Needle Machines Right Needle in Front, 1/8 inch space between needles in line with feed, Double Locked Stitch Type 401, Lateral Looper Travel.

- 51600 A For gathering and attaching ruffles to body of garments made from light weight woven fabrics and similar operations where a large percent of the work calls for an intermittently or continuously gathered straight seam and a small percent of the work calls for an intermittently or continuously gathered curved seam; Type LSc-2, upper ply of fabric passes to left of needles, treadle controlled 3 to 1 differential feed gathering mechanism, capillary oiling system, Type 106 needles, standard gauges Nos. 8, 10, 12 and 16.
- 51600 Z A special style similar to the standard style in Class 51600, 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

51700 C (succeeds 16200 N, 16200 Q). For folding and attaching set-on center plait and interlining strip to fronts of shirts and similar garments; one operation, seam Type LSm-2, plaits used in garment lengths and extend 1/4 inch beyond the rows of stitches, starts operation at neck, "Tru-Front" folder, capillary oiling system, Type 106 needles, standard gauges Nos. 56 and 64.

- 51700 D (succeeds 16200 D, 16200 P). Same as 51700 C, except for folding and attaching extension center plait, interlining strip and facing strip, seam Type LSj-2, standard gauge No. 64.
- 51700 E For folding and attaching buttonhole facings to knitted undergarments; one operation, self-finish front, seam Type LSk-2, cut edge facing strip used in long lengths and guided next to feed dog, strip controlled differential top feed, capillary oiling system, 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, seam Type BSc-2, collapsible horn type folder, 1/16 inch seam margins, capillary oiling system, Type 128 F needles, 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, capillary oiling system, Type 106 needles, standard width of strip 2 1/8 inches, standard gauge No. 128, includes puller.
- 51700 H Same as 51700 G, except for flannelette fabrics; puller omitted.
- 51700 J (succeeds 16200 N, 16200 Q, 51700 C). For folding and attaching set-on center plait and interlining strip to fronts of shirts and similar garments, one operation, seam Type LSm-2, plaits used in garment lengths and extend 1/4 inch beyond the rows of stitches, starts operation at neck, "Tru-Front" folder, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard gauges Nos. 56 and 64.
- 51700 K (succeeds 16200 D, 16200 P, 51700 D) same as 51700 J, except for folding and attaching extension center plait, interlining strip and facing strip, seam Type LSj-2, standard gauge No. 64.
- 51700 L (succeeds 51700 E). For folding and attaching buttonhole facings to knitted under-garments; one operation, self-finish front, seam Type LSk-2, cut edge facing strip used in long lengths and guided next to feed dog, strip controlled differential top feed, enclosed type oiling for looper drive eccentric and crank, Type 121 needles, standard gauges Nos. 64, 72, and 80.

- 51700 M (Succeeds 51700 F). For attaching garment length single piece extension bands to overalls and similar garments; heavy duty work, one operation, seam Type BSc-2, collapsible horn type folder, Type 128 F needles, standard gauges Nos. 80 and 88, includes PULLER.
- 51700 N (succeeds 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. Type 106 needles. Standard width of strip 2 1/8 inches, standard gauge No. 128, includes PULLER.
- 51700 P (Succeeds 51700 H). Same as 51700 N, except for flannelette fabrics, puller is omitted.
- 51700 Q For folding and attaching set on center plait to fronts of heavy weight army shirts and similar garments; one operation, seam Type LSk-2, plaits used in garment lengths and extend 1/4 inch beyond the rows of stitches, starts operation at the neck, "Tru-Front" folder, enclosed type oiling system for looper drive eccentric and crank, Type 106 needles, standard gauge No. 64.
- 51700 R For folding and attaching inside button facings to heavy weight army shirts and similar garments; one operation, seam Type LSk-2 with 1/16 inch margins, facing strip cut from body fabric, used in long lengths and guided next to feed dog, starts operation at neck, enclosed type oiling for looper drive eccentric and crank, Type 106 needles, standard gauge No. 56.
- 51700 T For attaching waistband to trousers and similar garments; heavy duty work, seam Type LSk-2, strip guided next to feed dog, capillary oiling system, Type 128 G needle, standard gauge No. 96, includes PULLER.
- 51700 U (succeeds 51700 T) For attaching waistbands to trousers and similar garments; heavy duty work, seam Type LSk-2, strip guided next to feed dog, enclosed type oiling system for looper drive eccentric and crank, Type 128 G needles, standard gauge No. 96, includes PULLER.
- 51700 Z A special style similar to the standard styles in Class 51700, but differing in one or more of its component parts.

#### NEEDLES

#### TYPE NUMBER 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.
- Round shank, round point, extra short, double groove, chromium plated- sizes 032, 036, 040.
- Round shank, round point, extra short, double groove, taper blade, diameter across eye is the size number, plain finish- sizes 019, 022, 027.
- Round shank, round point, extra short, double groove, short blade, 1/8 inch less than standard, nickel plated-sizes 025, 027, 032, 036, 040, 044.
- Round shank, round point, extra short, double groove, spotted, nickel plated-sizes 036, 040, 042, 044, 049.
- Round shank, round point, extra short, double groove, spotted, ball point, taper blade, diameter across the eye is the size number, chromium plated sizes 029, 032.
- 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.

Type No	• Description
106 G	Round Shank, round point, extra short, double groove, ball eye, chromium plated-ssizes 032, 036, 040, 044.
106 Н	Round shank, round point, extra short, double groove, ball eye, ball point, standard length blade, nickel plated- size 040.
108	Round shank, round point, extra short, double groove, ball eye, spotted, nickel plated-size 032, 036, 038, 040, 042, 044, 049, 054.
108 G	Round shank, round point, extra short, double groove, ball eye, spotted, chromium plated-sizes 040, 044, 049, 054.
108 H	Round shank, round point, extra short, double groove, ball eye, ball point, spotted, nickel plated- sizes 036, 040.
108 GH	Round shank, round point, extra short, double groove, ball eye, ball point, spotted, chromium plated-sizes 036, 040, 044.
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.
109 G	Round shank, round point, extra short, double groove, ball eye, government, chromium plated-sizes 036, 040, 044.
109 НА	Round shank, round point, extra short, double groove, ball eye, ball point, government, short blade 1/8 inch less than standard, chromium plated- size 040.
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.

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	Type 1	No. Description
<u>.</u>	110 ZI	Round shank, round point, extra short, double groove, ball eye, ball point, government, spotted, chromium plated- size 040.
Ü.	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.
	121 H	Round shank, round point, short, double groove, ball point, nickel plated-sizes 029, 032, 036.
	121 J	Round shank, round point, short, double groove, taper blade, diameter across the eye is the size number, plain finish- sizes 022, 025, 027, 032.
The state of the s	121 JH	Round shank, round point, short, double groove, ball point, taper blade, diameter across the eye is the size number, plain finish- size 027.
	124	Round shank, round point, short, double groove, spotted, nickel plated-sizes 040, 044, 049, 060, 067, 080, 090.
	124 G	Round shank, round point, short, double groove, spotted, chromium plated - size 067.
	126	Round shank, round point, short, double groove, ball eye, nickel plated-sizes 027, 032, 036, 040, 042, 044, 049, 054.
eui Tr	126 G	Round shank, round point, short, double groove, ball eye, chromium plated- sizes 040, 044, 049.
	128	Round shank, round point, short, double groove, ball eye, spotted, nickel plated, standard width of eye and grooves- sizes 032, 036, 040, 044, 049, 054, 060, 067, 080.
	128 F	Round shank, round point, short, double groove, ball eye, spotted, nickel plated, under-size eye and grooves, one step reduction- sizes 044, 049, 054.
	128 G	Round shank, round point, short, double groove, ball eye, spotted, chromium plated, under-size eye and grooves, one step reduction- sizes 044, 054.
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Type No.	D · · · ·
_	Description
128 H	Round shank, round point, short, double groove, ball eye, spotted, short blade 1/8 inch less than standard, width of eye and grooves undersize one step reduction, ball point, nickel plated- sizes 036, 040, 044, 049.
128 GA	Round shank, round point, short, double groove, ball eye, spotted, chromium plated, standard width of eye and grooves- sizes 040, 044, 049, 054.
128 HA	Round shank, round point, short, double groove, ball eye, spotted, under-size eye and grooves 27% of needle size, ball point, nickel plated-sizes 044, 049, 054.
128 HB	Round shank, round point, short, double groove, ball eye, spotted, under-size eye and grooves 27% of needle size, ball point, chromium plated-sizes 044, 049, 054.
129	Round shank, round point, short, double groove, government, nickel plated- sizes 027, 029, 032, 036, 040, 044, 049.
129 G	Round shank, round point, short, double groove, government, chromium plated- sizes 029, 032, 036, 040.
130	Round shank, round point, short, double groove, ball eye, government, spotted, nickel plated-sizes 036, 040, 044, 049, 054, 060.
130 G	Round shank, round point, short, double groove, ball eye, government, spotted, chromium plated-sizes 044, 049, 054.
130 HA	Round shank, round point, short, double groove, ball eye, government, spotted, ball point, nickel plated—sizes 044, 049, 054.
130 HB	Round shank, round point, short, double groove, ball eye, government, spotted, ball point, chromium plated- sizes 044, 049, 054.
301	Round shank, stay point, extra short, double groove, plain finish- sizes 027, 029, 032, 034, 036, 038, 040, 042, 044, 046, 049, 052, 054, 060.
301 G	Round shank, stay point, extra short, double groove, chromium plated—sizes 032, 034, 036, 038, 040, 042, 044, 049, 054

<u></u> ;-	Type No.	Description
:	302	Round shank, stay point, extra short, double groove, nickel plated- sizes 032, 036, 040, 042, 044, 049.
	501	Round shank, rocked point, extra short, double groove, plain finish-sizes 029, 032, 034, 036, 038, 040, 042, 044, 046.
	501 G	Round shank, rocked point, extra short, double groove, chromium plated- sizes 036, 038, 040, 042
	907	Round shank, spear point, extra short, double groove, ball eye, nickel plated- sizes 027, 032, 034, 036, 040, 042, 044, 049, 054.
	929	Round shank, spear point, short, double groove, ball eye, spotted, nickel plated- sizes 044, 049, 054, 060, 067, 080.
155 155	1501	Round shank, twist point, extra short, double groove, plain finish-sizes 027, 029, 032, 034, 036, 038, 040, 042, 044, 049, 052, 054, 060.
	1701	Round shank, twist centered point, extra short, double groove, plain fisnin- sizes 029, 032, 034, 036, 038, 040, 042, 044, 046, 049, 054, 060.
	1701 G	Round shank, twist centered point, extra short, double groove, chromium plated- size 038.
	listed in machines	ON OF TYPE NUMBERS TO MACHINES ideard type of needle applicable to each style is the description of each style. The styles of each style number is the terminal below. Set
	needles th	each style number is the type numbers of the lat can be used. Type numbers are arranged y, as the variety of the materials sewed on each kes it impractical to show a preference.
	Machine Style	Type of Needles
	51200 A	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G
	51200 B	302, 907 126, 126 G, 128, 128 F, 128 G, 128 GA 130
<b>6</b> 751	51200 C	126, 126 G, 128, 128 F, 128 G, 128 GA 170
	51200 D 51200 G	101, 101 G, 101 J, 102, 104, 104 JH 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 116
gr)		110 G, 110 ZL, 302, 907

### APPLICATION OF TYPE NUMBERS TO MACHINES (Cont'd)

Machine Style	Type of Needles
51200 H	101, 101 G, 101 J, 104, 104 JH, 106, 106 G, 109 B
51200 J	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51200 K	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 G, 110, 110 G, 110 ZL, 302, 907
51200 L	126, 126 G, 128, 128 F, 128 G, 128 GA, 130, 130 G, 929
51200 M	126, 126 G, 128, 128 F, 128 G, 128 GA, 130, 130 G, 929
51200 N 51200 P	101, 101 G, 101 J, 102, 104, 104 JH 101, 101 G, 104, 106, 106 A, 106 G, 108, 108 G, 301, 301 G, 302, 501, 501 G, 1501
51200 Q	1701, 1701 G 101, 101 G, 104, 106, 106 A, 106 G, 108, 108 G, 301, 301 G, 302, 501, 501 G, 1501, 1701 1701 G
51200 R	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110,
51200 S	110 G, 110 ZL, 302, 907 101, 101 G, 101 J, 104, 104 JH, 106, 106 G, 109 B
51200 T	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 G, 110, 110 G, 110 ZL, 302, 907
51200 U	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 G, 110, 110 G, 110 ZL, 302, 907
51200 V	106, 106 A, 106 G, 106 H, 108, 108 G, 108 H,
51400 A	108 GH, 109, 109 G, 110, 110 G, 110 ŽL 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51400 B	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51400 C	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51400 D	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G,
51400 E	110, 110 G, 110 ZL, 302, 907 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA,

# APPLICATION OF TYPE NUMBERS TO MACHINES (Cont'd)

	Machine Style	Type of Needles
	51400 F	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
	51400 G 51400 H	101, 101 G, 109 B 101, 101 G, 101 J, 104, 104 JH, 106, 106 G
	51400 J	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109 B, 109 G, 109 HA, 119
	51400 K	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA 110
 	51400 L	100 G, 110 ZL, 302, 907 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA 110
	51400 M	110 G, 110 ZL, 302, 907 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907 104 JH, 106, 106 A, 106 G, 106 H, 108, 109 G
	51400 N	110 G, 110 ZL, 302, 907 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907 104 JH, 106, 106 G, 106 H, 108, 109 G
	51400 P	110 G, 110 ZL, 302, 907 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110
V.	51400 Q	108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 309, 2007
70 23 23 23	51400 R	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 116
- <sup>()</sup> इन	51400 S	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109 B, 109 G, 109 HA, 116
	51400 T	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110
63 <b></b>	51400 บ	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 119
j <b>5</b>	51400 V	101, 101 G, 101 J, 104, 104 JH, 106, 106 G
	51400 W	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110
5	51400 X	110 G, 110 ZL, 302, 907 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907

# APPLICATION OF TYPE NUMBERS TO MACHINES (Cont'd)

Machine Style	Type of Needles
51400 Y	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51400 AA	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110, G, 110 ZL, 302, 907
51400 AB	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51400 AC	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51600 A	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51700 C	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51700 D	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907 121, 121 G, 121 H, 121 J, 121 JH, 124, 124 G,
51700 E	121, 121 G, 121 H, 121 J, 121 JH, 124, 124 G, 129, 129 G
51700 F	126, 126 G, 128, 128 F, 128 G, 128 H, 128 GA, 128 HA. 128 HB. 129, 129 G. 130, 130 G. 130 HA.
51700 G .	130 HB, 929 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51700 H	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51700 J	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110,
51700 K	110 G, 110 ZL, 302, 907 104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110,
51700 L	108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907 121, 121 G, 121 H, 121 J, 121 JH, 124, 124 G, 129, 129 G
51700 M	126, 126 G, 128, 128 F, 128 G, 128 H, 128 GA, 128 HA, 128 HB, 129, 129 G, 130, 130 G, 130 HA, 130 HB, 929
51700 N	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51700 P	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907

# APPLICATION OF TYPE NUMBERS TO MACHINES (Cont'd)

Machine Style	Type of Needles
51700 Q	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109, 109 B, 109 G, 109 HA, 110, 110 G, 110 ZL, 302, 907
51700 R	104 JH, 106, 106 A, 106 G, 106 H, 108, 108 G, 108 H, 108 GH, 109 B, 109 G, 108 H, 108 GH, 109 B, 109 G, 108 H, 108 H, 108 G, 108 H, 108
51700 T	126, 126 G, 128, 128 F, 128 G, 128 H, 128 GA, 128 HA, 128 HB, 129, 129 G, 130, 170, 0
51700 U	130 HB, 929 126, 126 G, 128, 128 F, 128 G, 128 H, 128 GA, 128 HA, 128 HB, 129, 129 G, 130, 130 G, 130 HA, 130 HB, 929

### ORDERING REPAIR PARTS

#### PLATES

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

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

#### 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.

#### ORDERING REPAIR PARTS (Cont'd)

IDENTIFYING PARTS (Cont'd)

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

#### SUPPLIES

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

USE GENUINE NEEDLES AND REPAIR PARTS

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

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

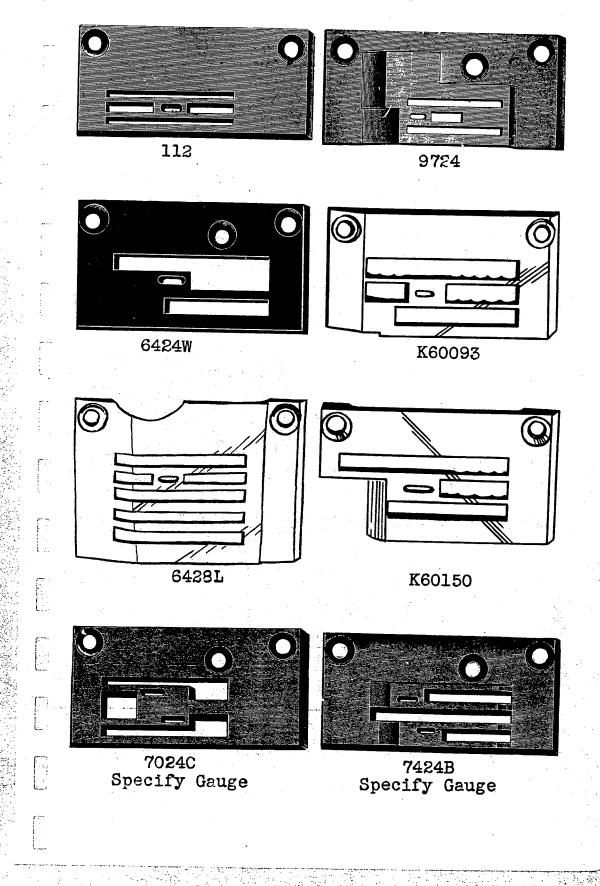


Each trade mark is your guarantee of the highest quality in materials and workmanship.

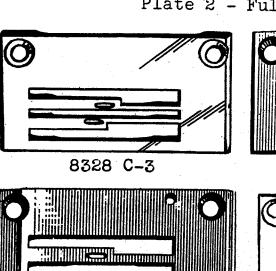
#### TERMS

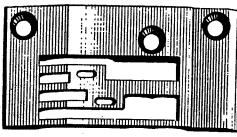
Prices are strictly "net cash" and subject to change without notice. All shipments are forwarded at the buyer's risk F.O.B. shipping point. Parcel post shipments are insured unless otherwise directed. A charge is made to cover the postage and insurance.

# Plate 1 - Full Size

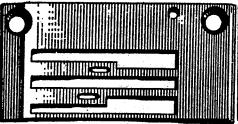


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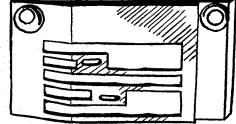




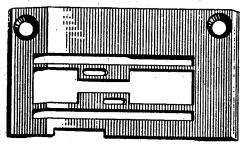
7528H-4 1/2



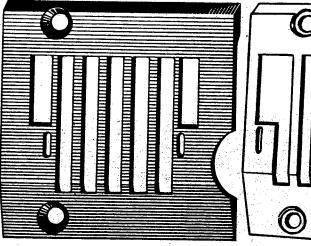
8324 L Specify Gauge



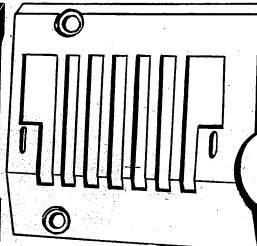
7424 AF Specify Gauge



7424AG-5

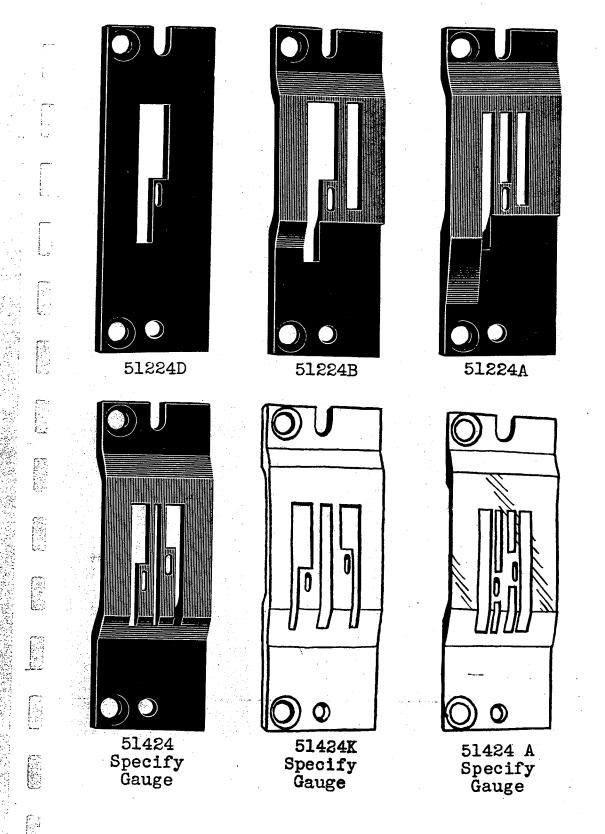


16524 B Specify Gauge

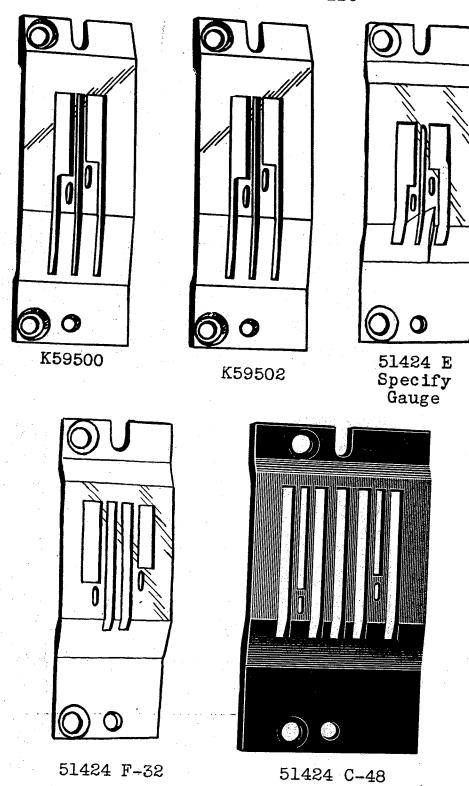


51724G-128

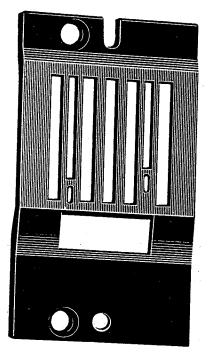
Plate 3 - Full Size



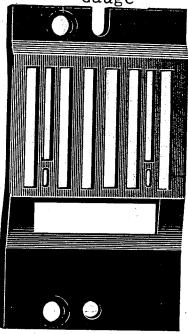
# Plate 4 - Full Size



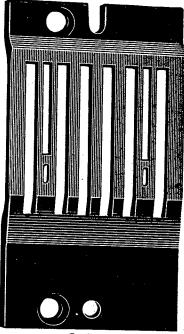
# Plate 5 - Full Size



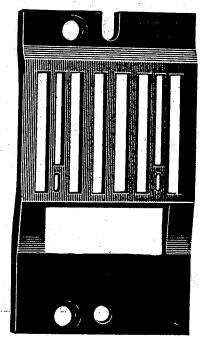
51424B Specify Gauge



51724D Specify Gauge

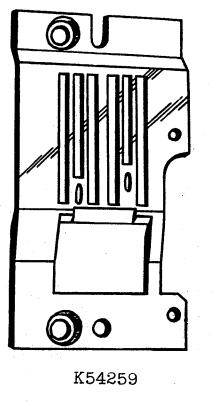


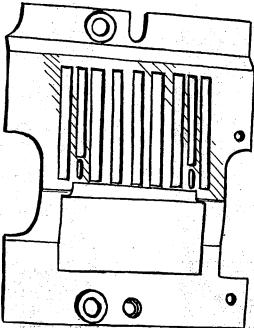
51724 Specify Gauge



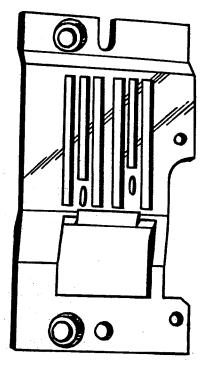
K59843

Plate 6 - Full Size

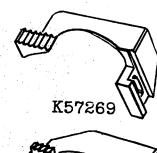




51724 E Specify Gauge



K53843



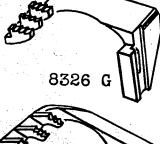




Plate 7 - Full Size

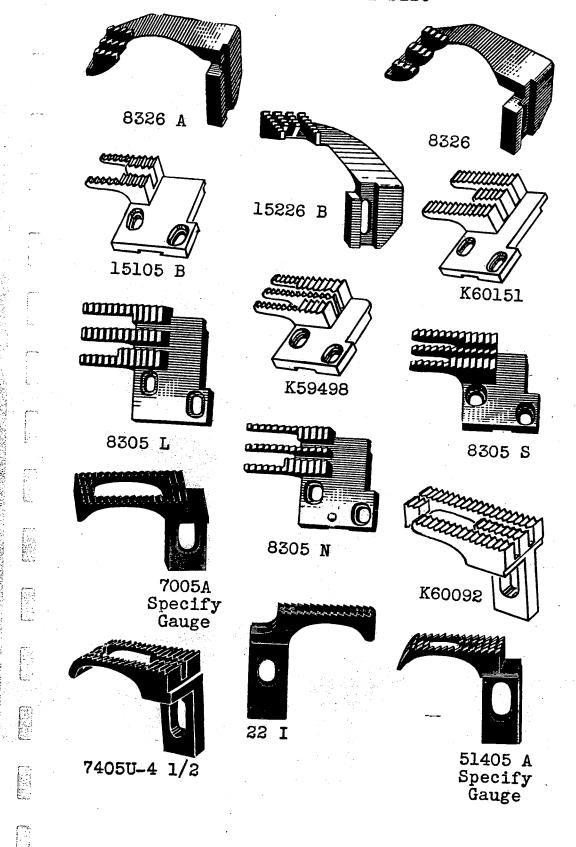
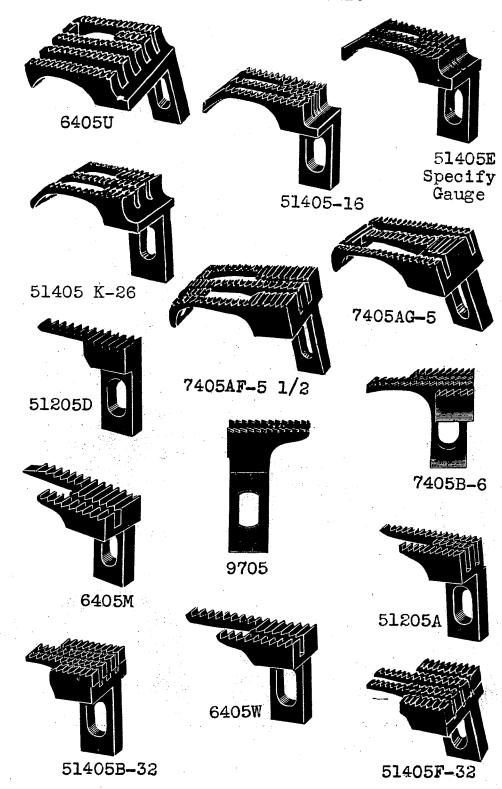
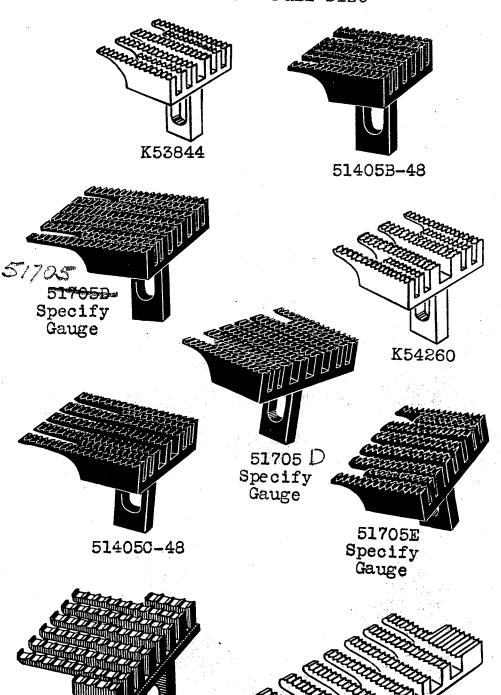


Plate 8 - Full Size



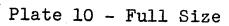
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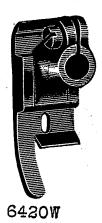
51705G-128

16505

Specify Gauge



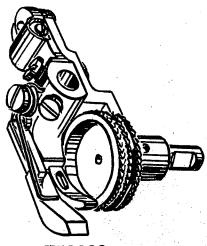




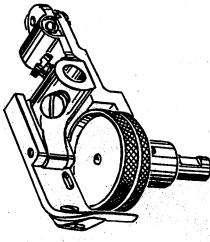








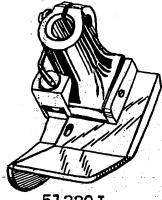




K57279



9720

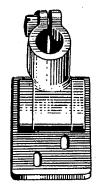


51220J

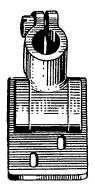


9420 C Specify Gauge

### Plate 11 - Full Size



51420 K-26



7420AG Specify Gauge



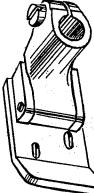
198 B-6 Specify Gauge



7020B Specify Gauge



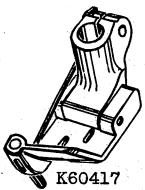
51420 Specify Gauge

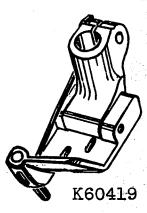


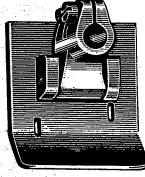
K52033



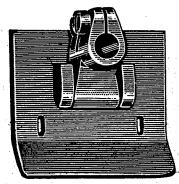
51420E Specify Gauge





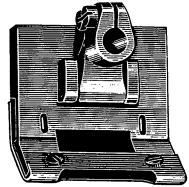


51420C Specify Gauge

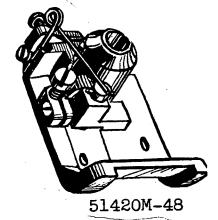


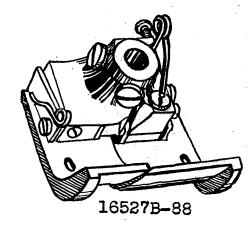
51720 D Specify Gauge

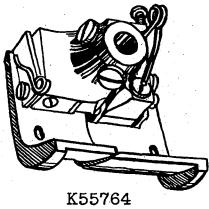
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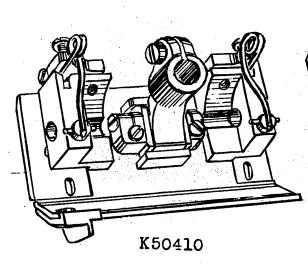


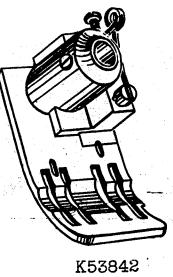
51720 Specify Gauge

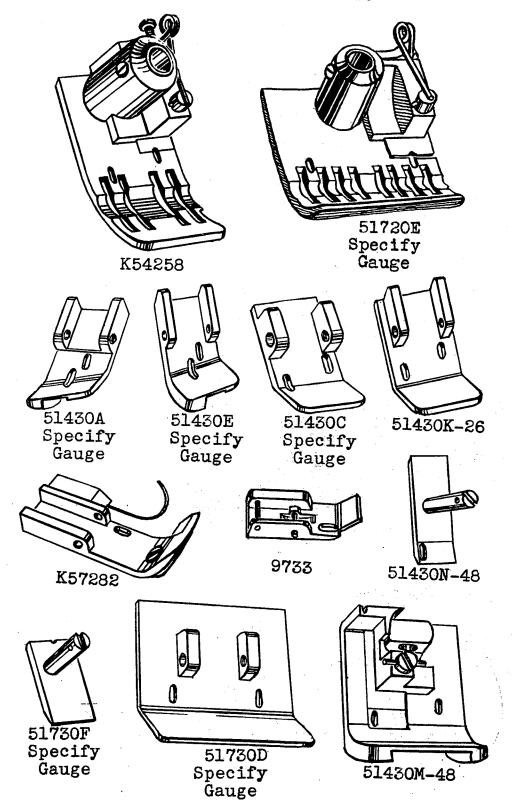




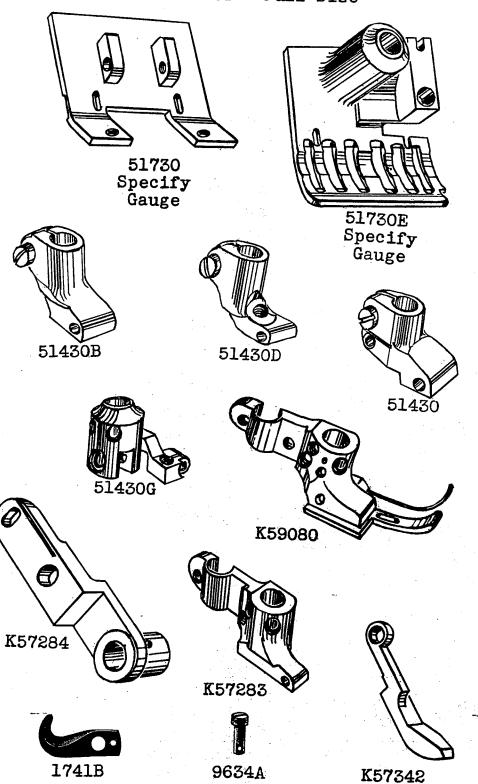




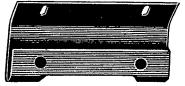




# Plate 14 - Full Size



# Plate 15 - Full Size



51730A Specify Gauge



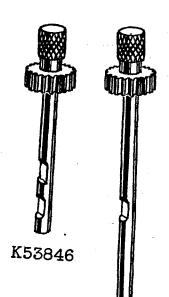
K53845

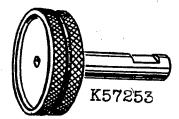


K54261



K53848



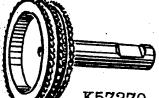




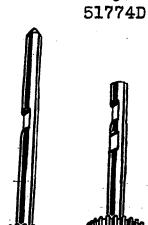
9735



16194B



K57270



51777D



K53850





K53890



K57667



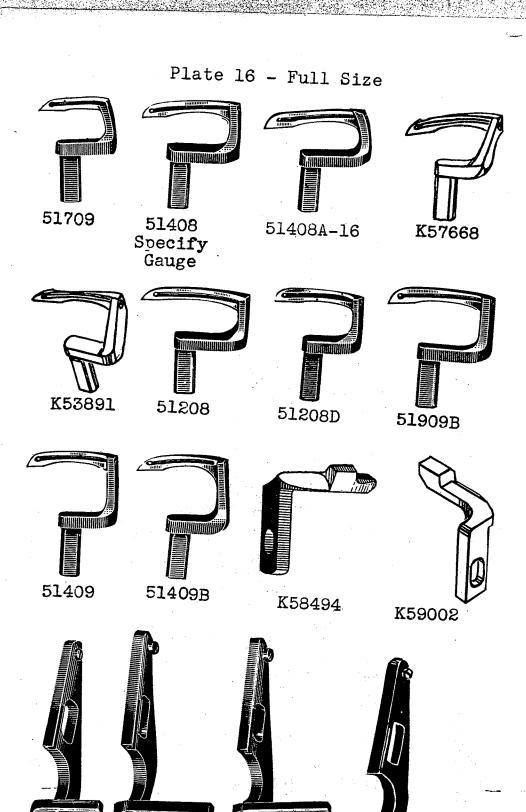
K56823



K57818

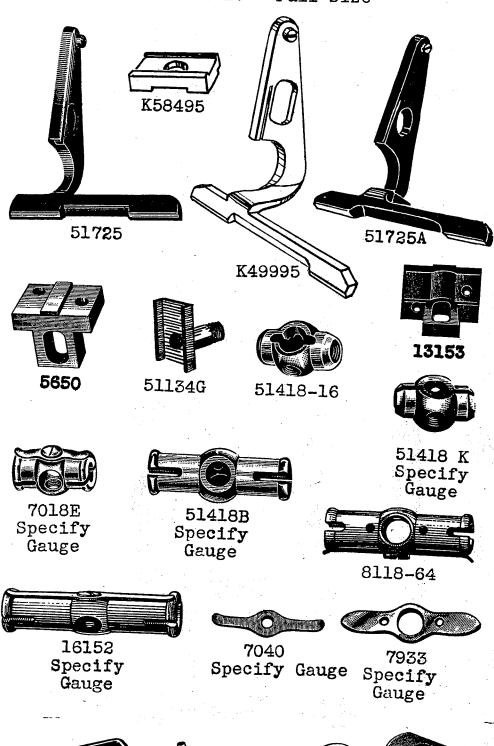


K55001

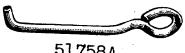


51725E

Plate 17 - Full Size







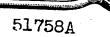
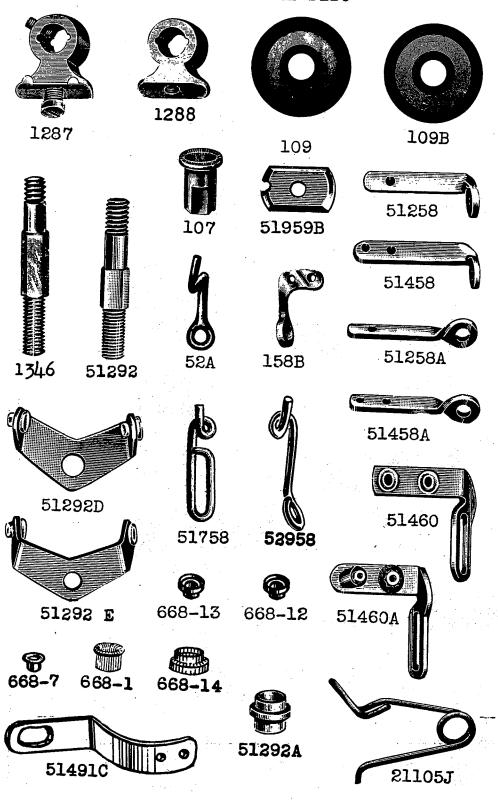
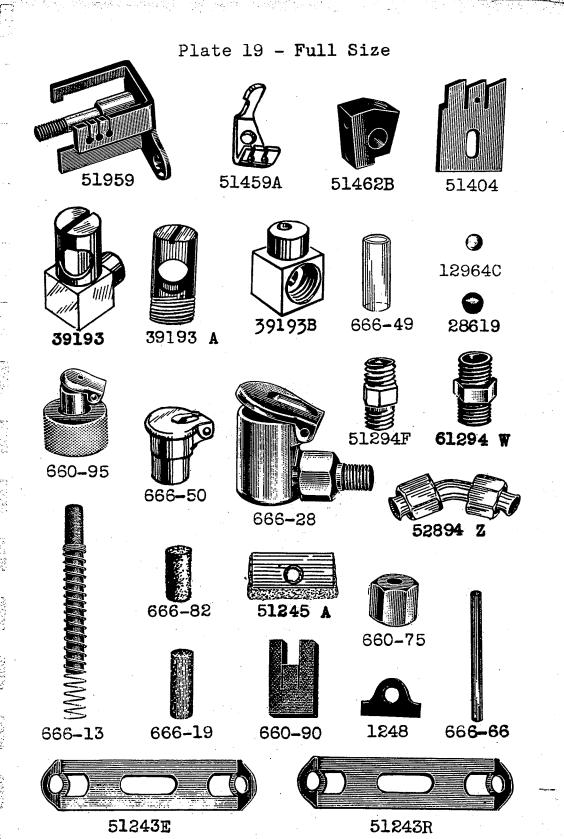




Plate 18 - Full Size





### Plate 20 - Full Size



Plate 21 - Full Size



## Plate 22 - Full Size



Plate 23 - Full Size



Plate 24 - Full Size

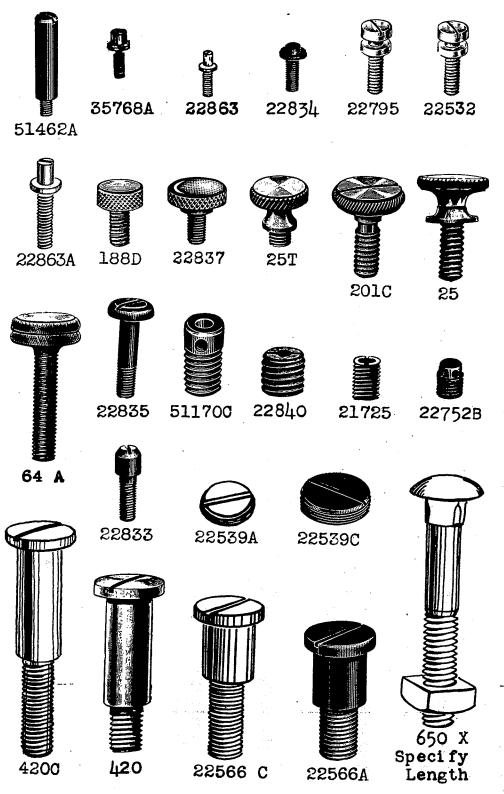
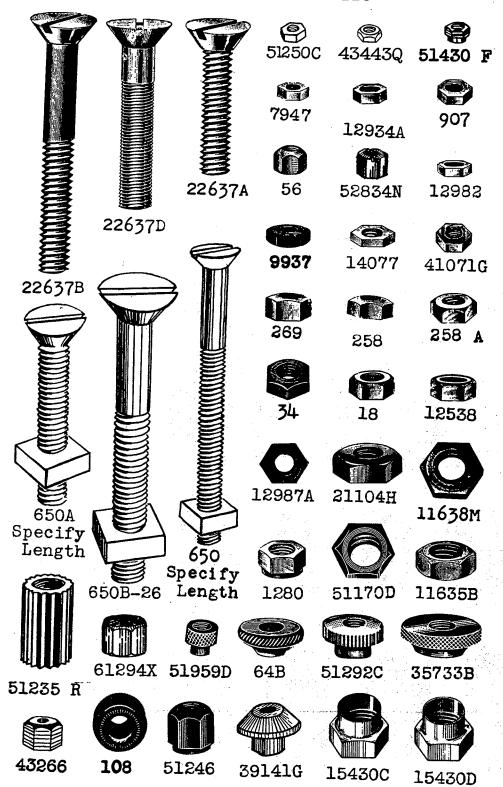


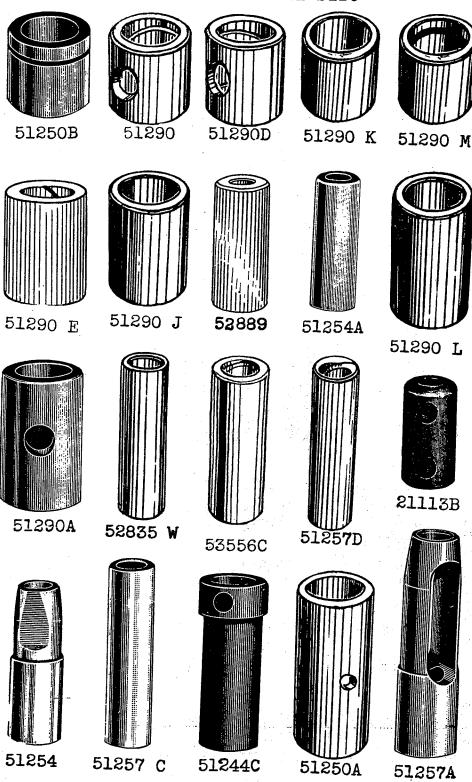
Plate 25 - Full Size

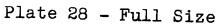


#### Plate 26 - Full Size



Plate 27 - Full Size





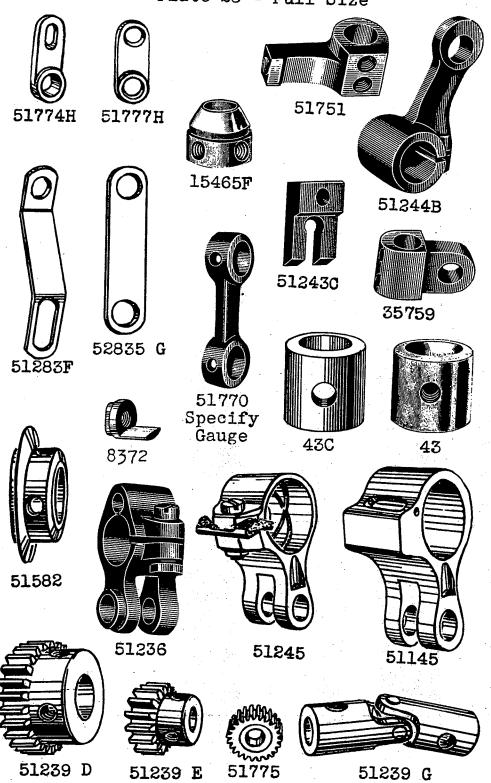
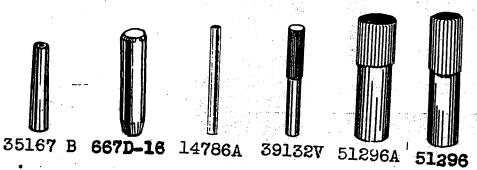
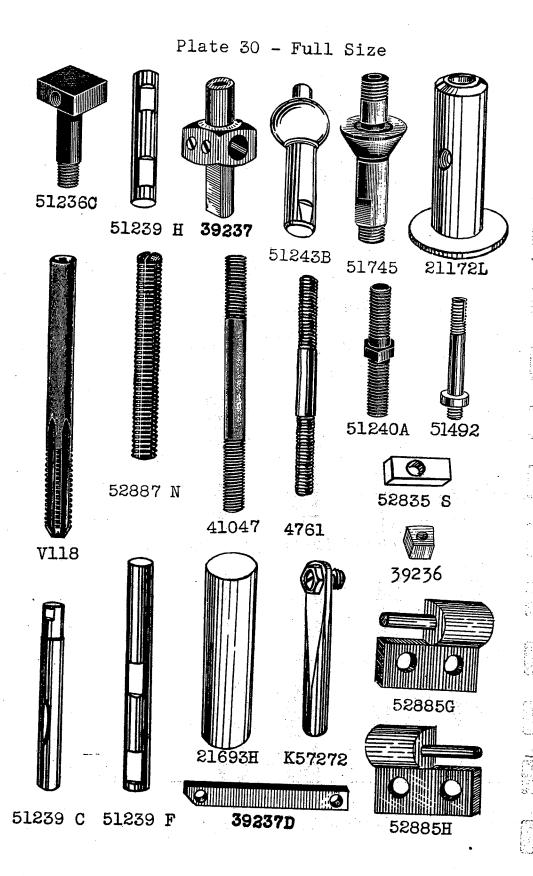
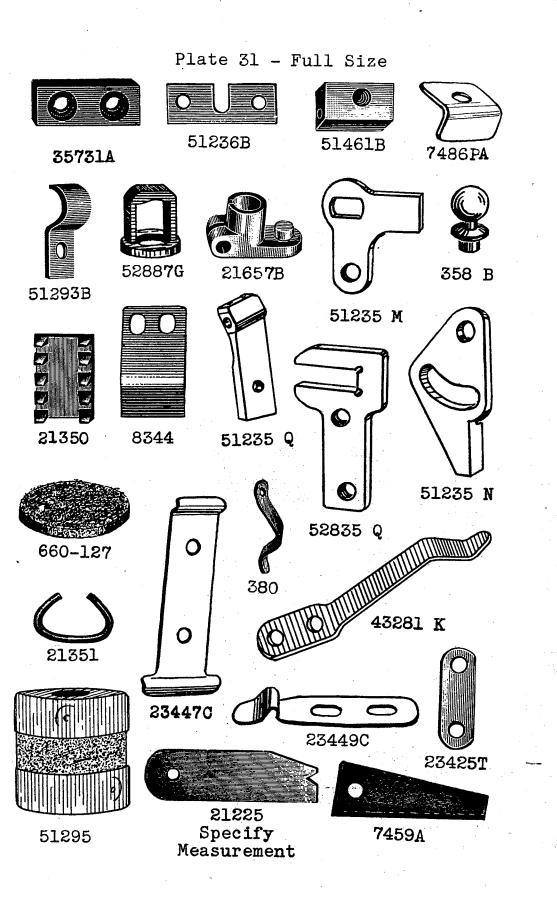


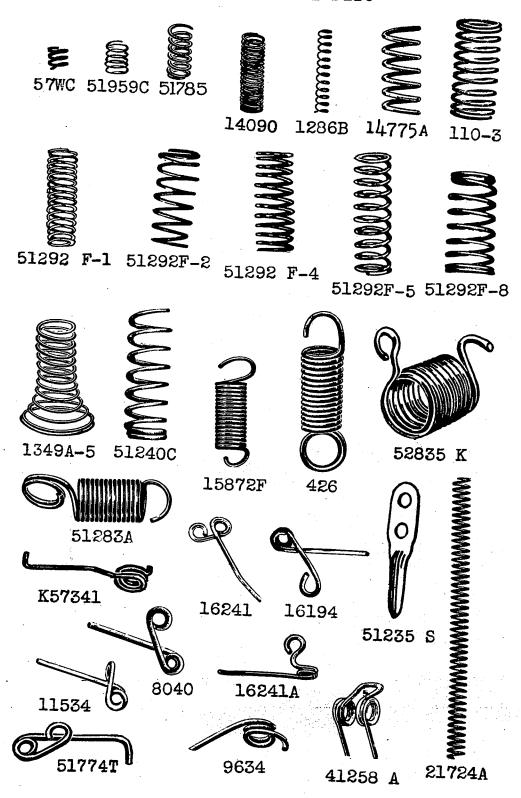
Plate 29 - Full Size 51741B 51239 L 55641 51741 55241N 41258 E 51741C 50J-16 16676 1740 43281 L 41258B 50J-40 61267G 52841 HA1286 1286 51461C 51236A 51239 B 51283B 1286 A



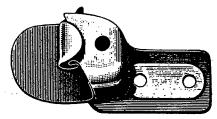




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### Plate 33 - One-half Size



23420 U Specify Gauge and Capacity



234210 Specify Gauge and Capacity



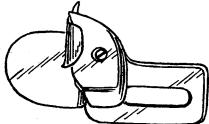
23253B



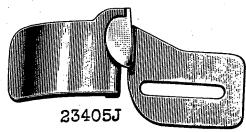
K6805



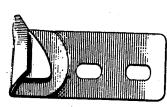
23421V Specify Gauge and Capacity



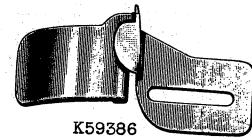
23420V Specify Gauge and Capacity

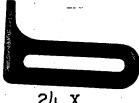


23253F



K6806





24 X



24

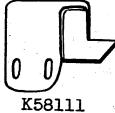
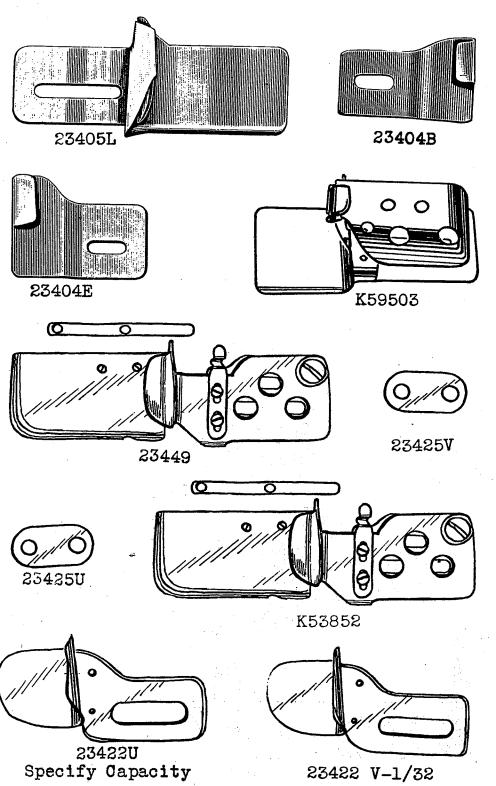
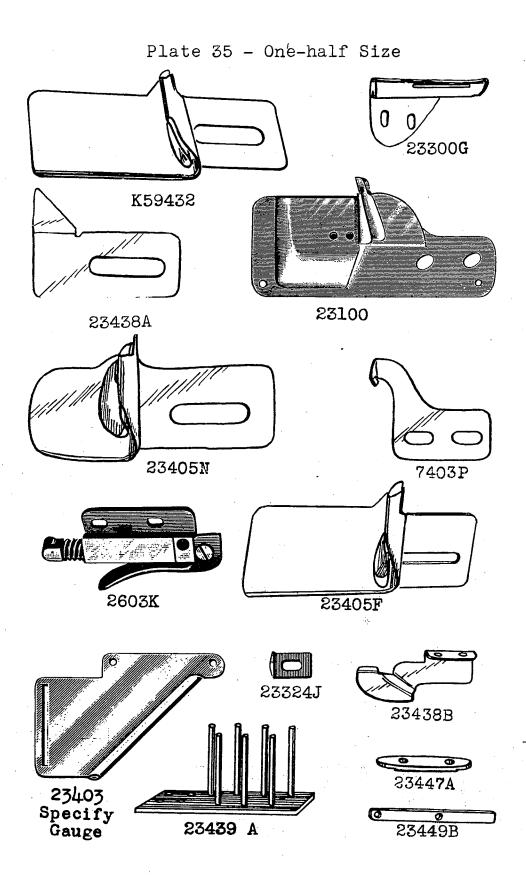
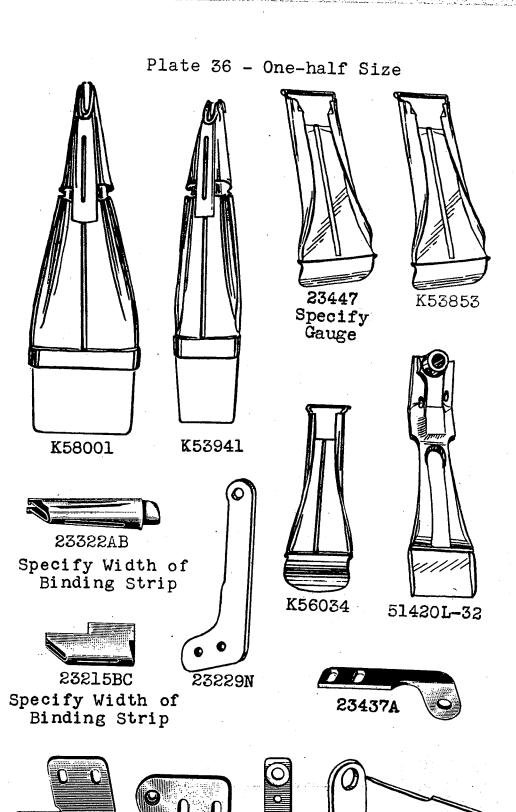


Plate 34 - One-half Size





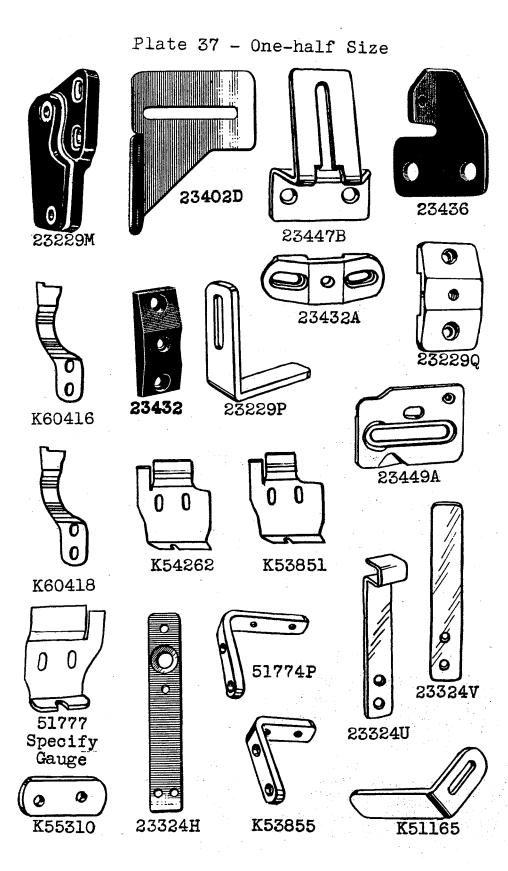


23322AC

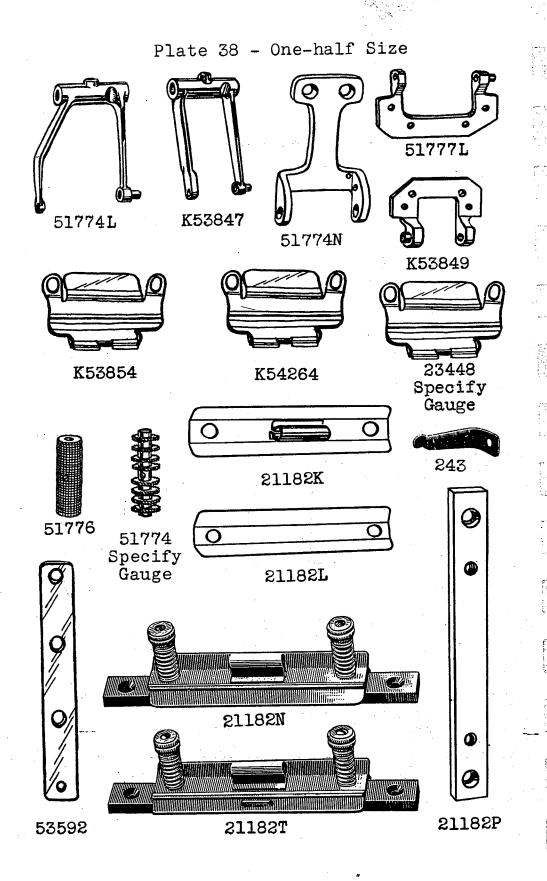
23437B

23324G

52864N



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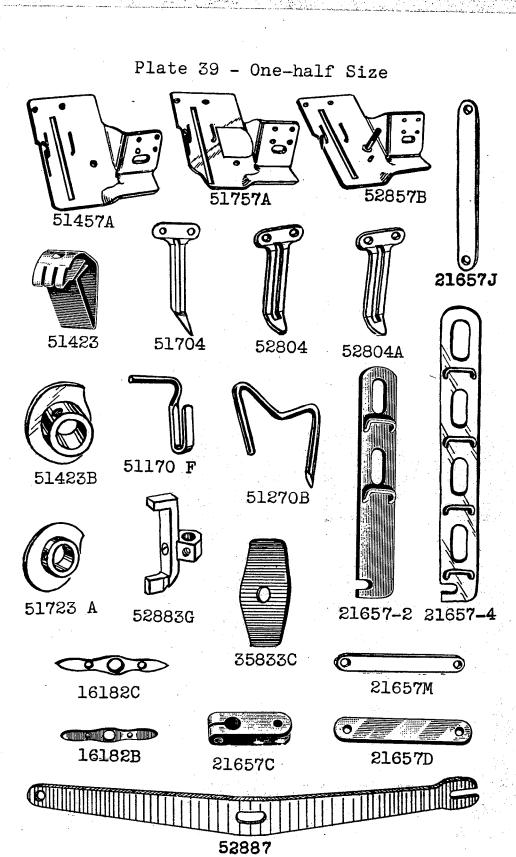
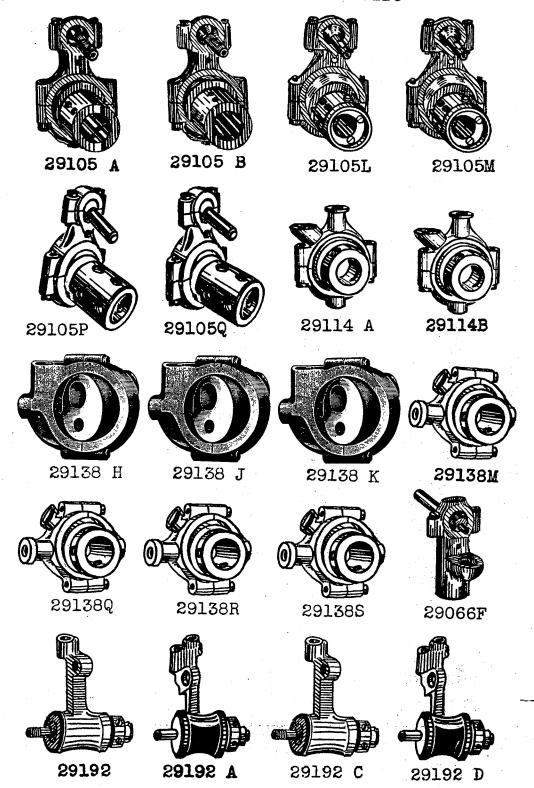


Plate 40 - One-half Size



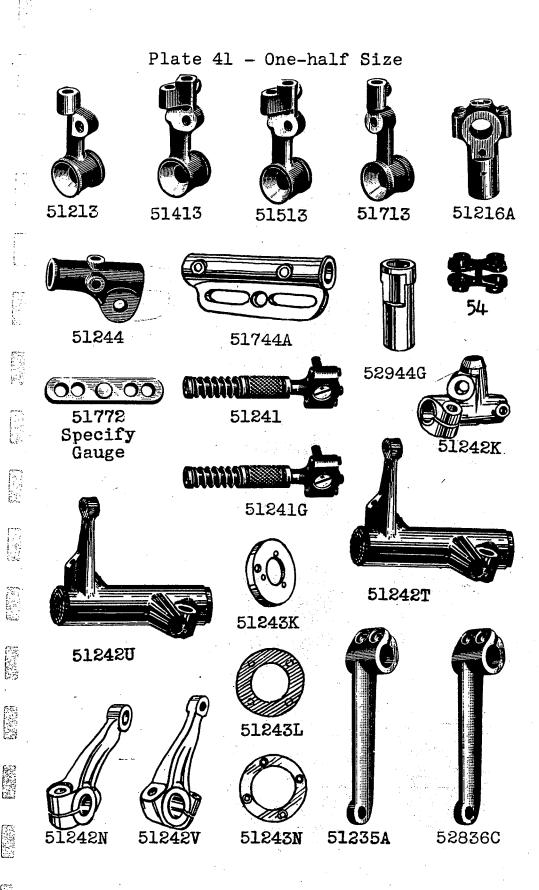
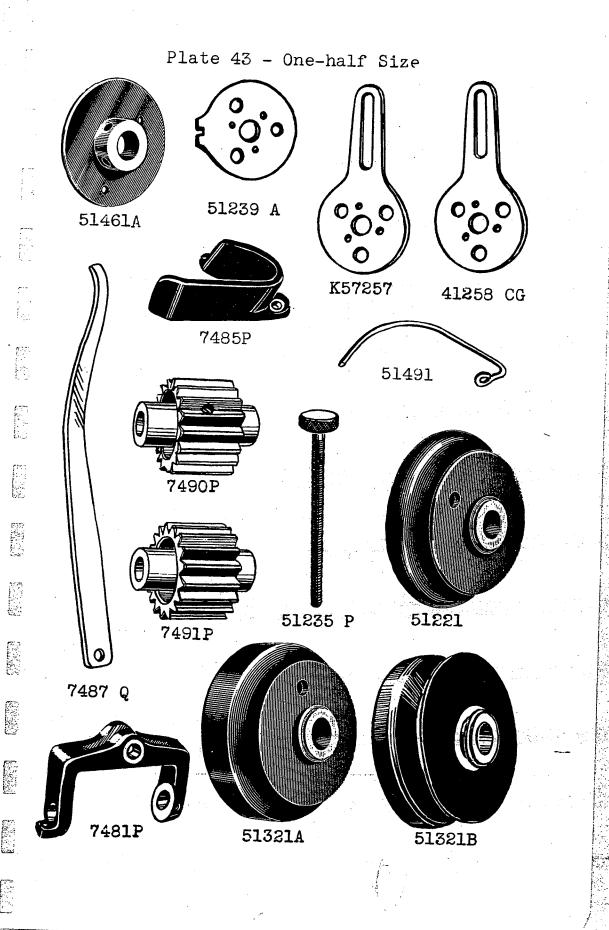
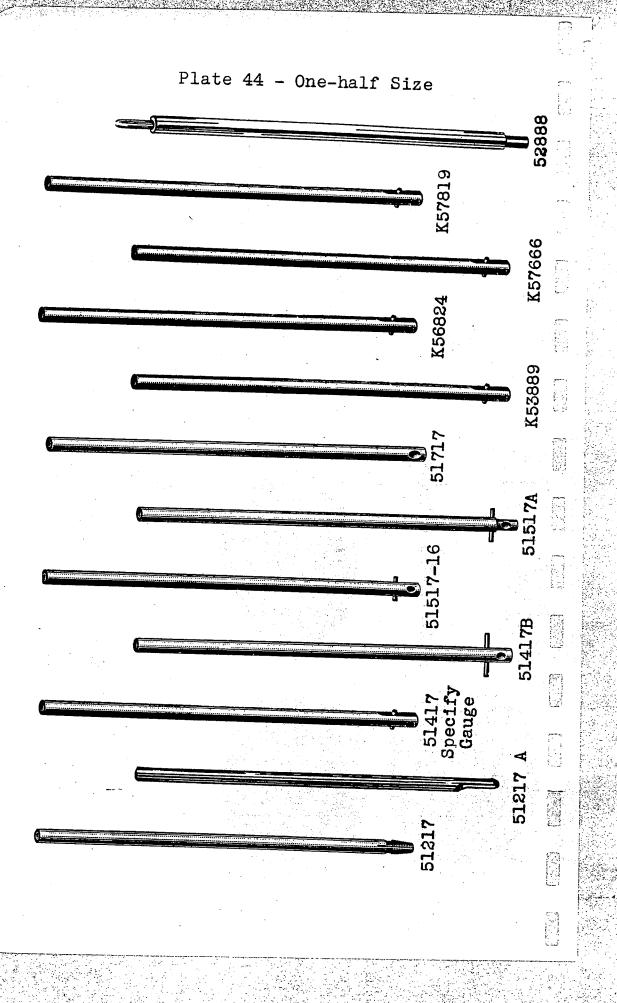
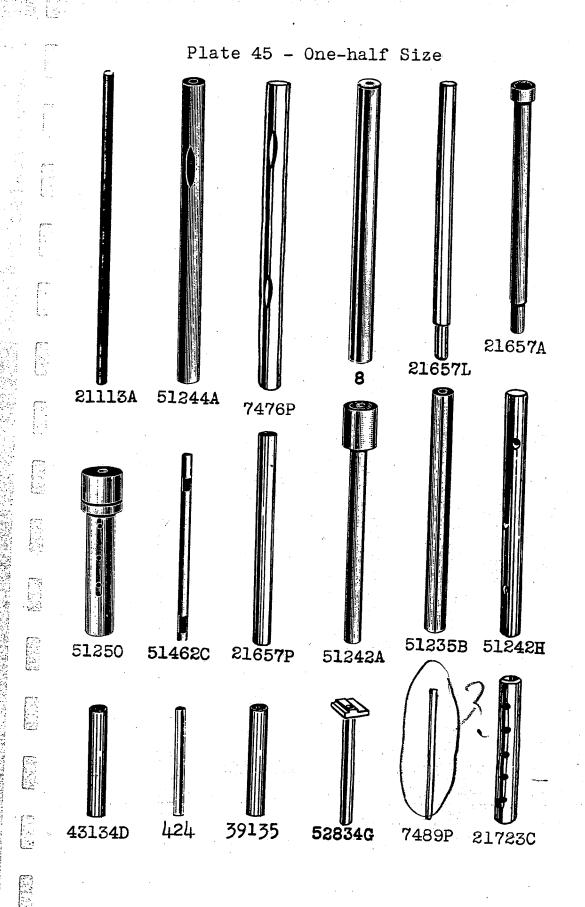


Plate 42 - One-half Size 51134 51134A 52836 H 52836 51235 52864G 52835 D BRATTER 39236т. 51462 52835 N 52834 52835 51461 7475Q







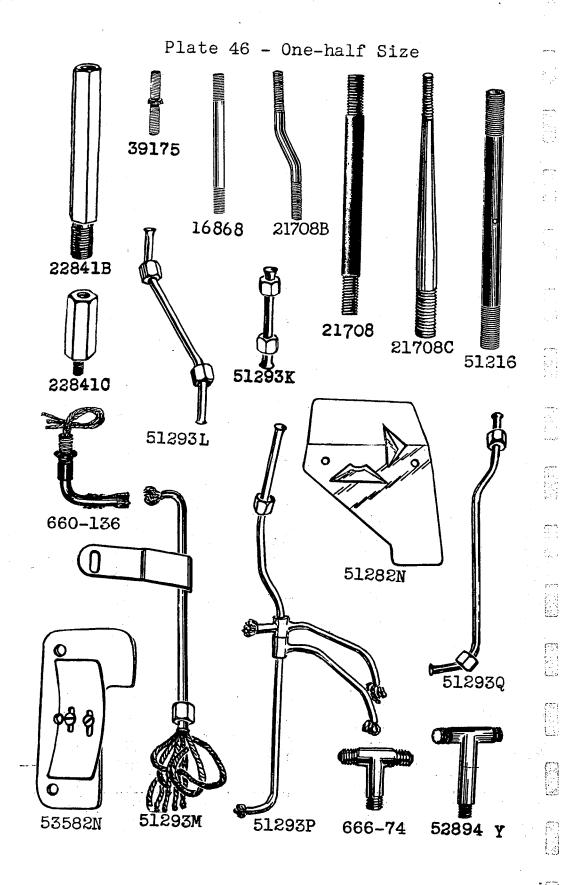


Plate 47 - One-half Size 51282F 51282V 666-77 52882 D 51782 52795 52782H 35788B 52895 G 51743G 660-94 K59594 51293R 52894 J 51293A 666-29 51293N

Plate 48 - One-half Size

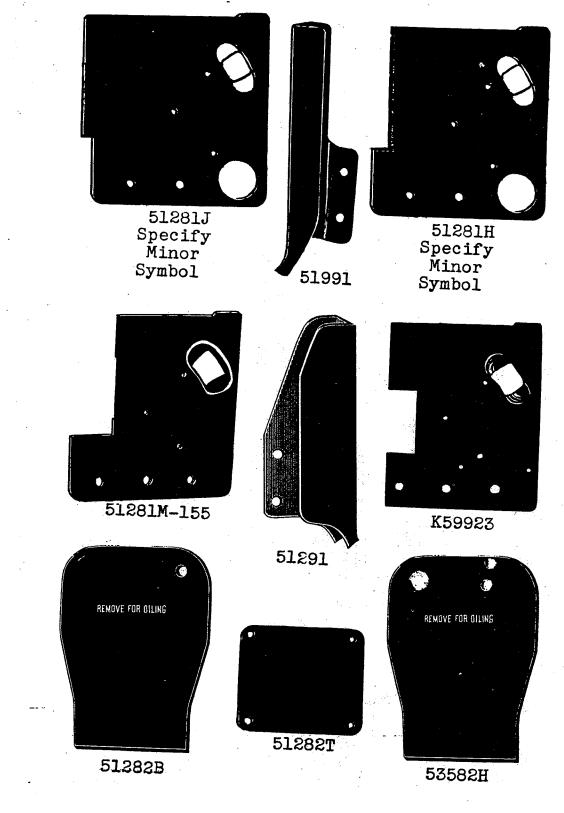


Plate 49 - One-half Size

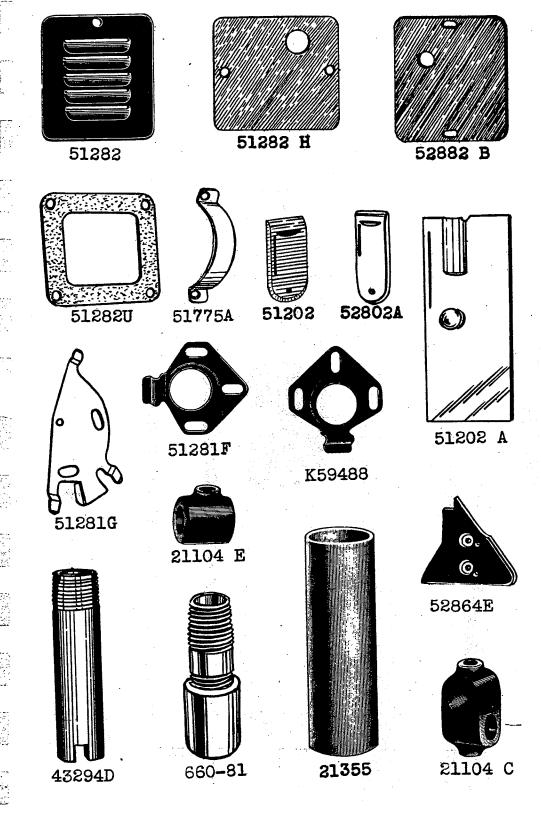


Plate 50 - One-half Size 21172J 21172K 21693G 9271 21145 21388N 21388 421 21388R

Plate 51 - One-half Size

