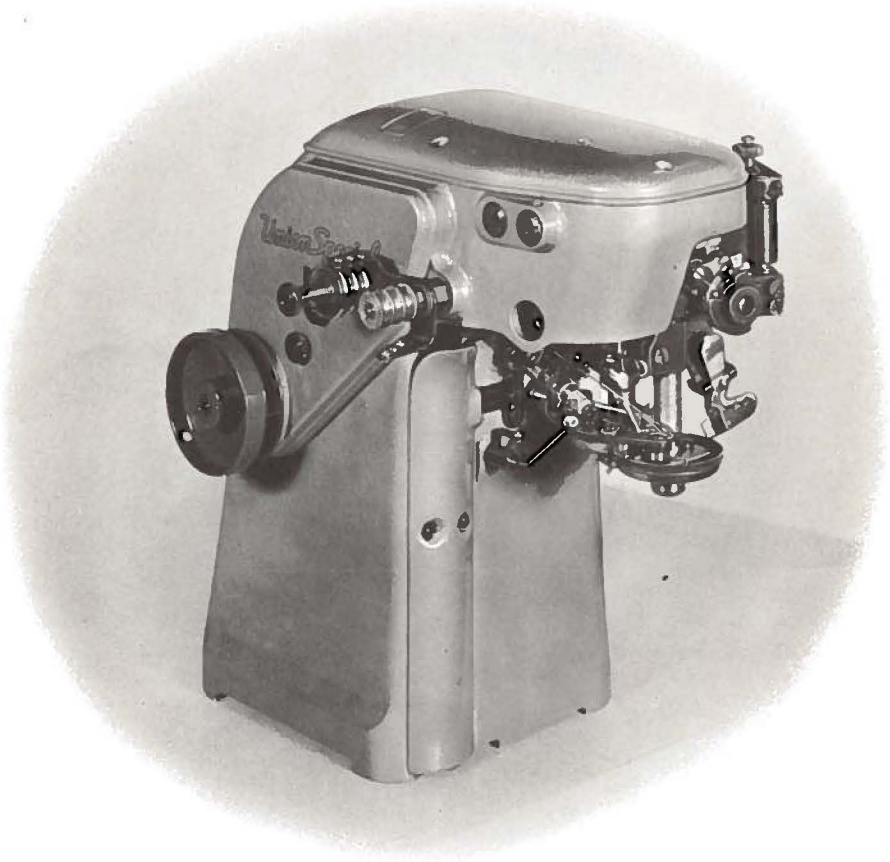
FINEST QUALITY

Union Special®
LEWIS • COLUMBIA

INDUSTRIAL
SEWING
MACHINES



STYLES
41400A
41400B
41400C

CATALOG
No.
123M

CLASS 41400

CONTINUOUS FEED CUP FEED WITH NEEDLE FEED

Union Special MACHINE COMPANY
CHICAGO

Catalog No. 123 M

LIST OF PARTS

CLASS 41400

Styles

41400 A 41400 B 41400 C

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

First Edition

Union Special
MACHINE COMPANY
INDUSTRIAL SEWING MACHINES
CHICAGO

Printed in U.S.A.

IDENTIFICATION OF MACHINES

Each Union Special machine is identified by a Style number which is stamped into the name plate on the machine. Style numbers are classified as standard and special. Standard Style numbers have one or more letters suffixed, but never contain the letter "Z". Example: "Style 41400 A". Special Style numbers contain the letter "Z". When only minor changes are made in a standard machine, a "Z" is suffixed to the standard Style number. Example: "Style 41400 AZ".

Styles of machines similar in construction are grouped under a class number which differs from the style number, in that it contains no letters. Example: "41400".

APPLICATION OF CATALOG

This catalog applies specifically to the standard Styles of machines as listed herein. It can also be applied with discretion to some Special machines in this class. Reference to direction, such as right, left, front, back, etc., are given from the operator's position while seated at the machine. Operating direction of handwheel is away from the operator.

STYLES OF MACHINES

High Speed Continuous Running Cup Feed Machine With Needle Feed, Single Needle, Horizontal Needle Travel, Fabric Uncurler, Knee Controlled Device For Increasing Height of Uncurler, Automatic Thread Ratio Control, Fabric Puller and Chain Cutting Knife Assembly, Single Reservoir Automatic Lubricating System.

41400 A For seaming all weights of cotton, rayon, silk and nylon full fashioned hosiery, with circular or square heel. Machine is equipped with needle guard and stitch tongue support .065 inch high and fabric uncurler No. 29450 P. Seam Specification 504-SSa-1.

41400 B Same as 41400 A, except equipped with needle guard and stitch tongue support .055 inch high.

41400 C Same as 41400 A, except equipped with fabric uncurler No. 29450 R.

NEEDLES

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

Standard needle for Styles 41400 A, B and C is Type 155 F. It has a round shank (.076 inch diameter), round point, Class "X" length, double groove, undersize eye and grooves, two step reduction, spotted, plain finish - size 027.

To have needle orders promptly and accurately filled, an empty package, a sample needle, or the type and size number should be forwarded. Use description on label. A complete order would read: "1000 Needles, Type 155 F, Size 027".

Selection of the proper needle size should be determined by size of thread used. Thread should pass freely through needle eye in order to produce a good stitch formation.

USE GENUINE NEEDLES AND REPAIR PARTS

Success in the operation of these machines can be secured only with 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 utmost precision. Maximum efficiency and durability are assured.

Genuine needles are packaged with labels marked *Union Special*. Genuine repair parts are stamped with the Union Special trade mark. Each trade mark is your guarantee of the highest quality in materials and workmanship.

IDENTIFYING PARTS

Where construction permits, each Union Special part is stamped with its part number. On some of the smaller parts, and on those where construction does not permit, an identification letter is stamped in to distinguish the part from similar ones.

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

IMPORTANT! ON ALL ORDERS, PLEASE INCLUDE PART NAME AND STYLE OF MACHINE FOR WHICH PART IS ORDERED.

TERMS

Prices are strictly net cash and are subject to change without notice. All shipments are forwarded f. o. b. shipping point. Parcel Post shipments are insured unless otherwise directed. A charge is made to cover the postage and insurance.

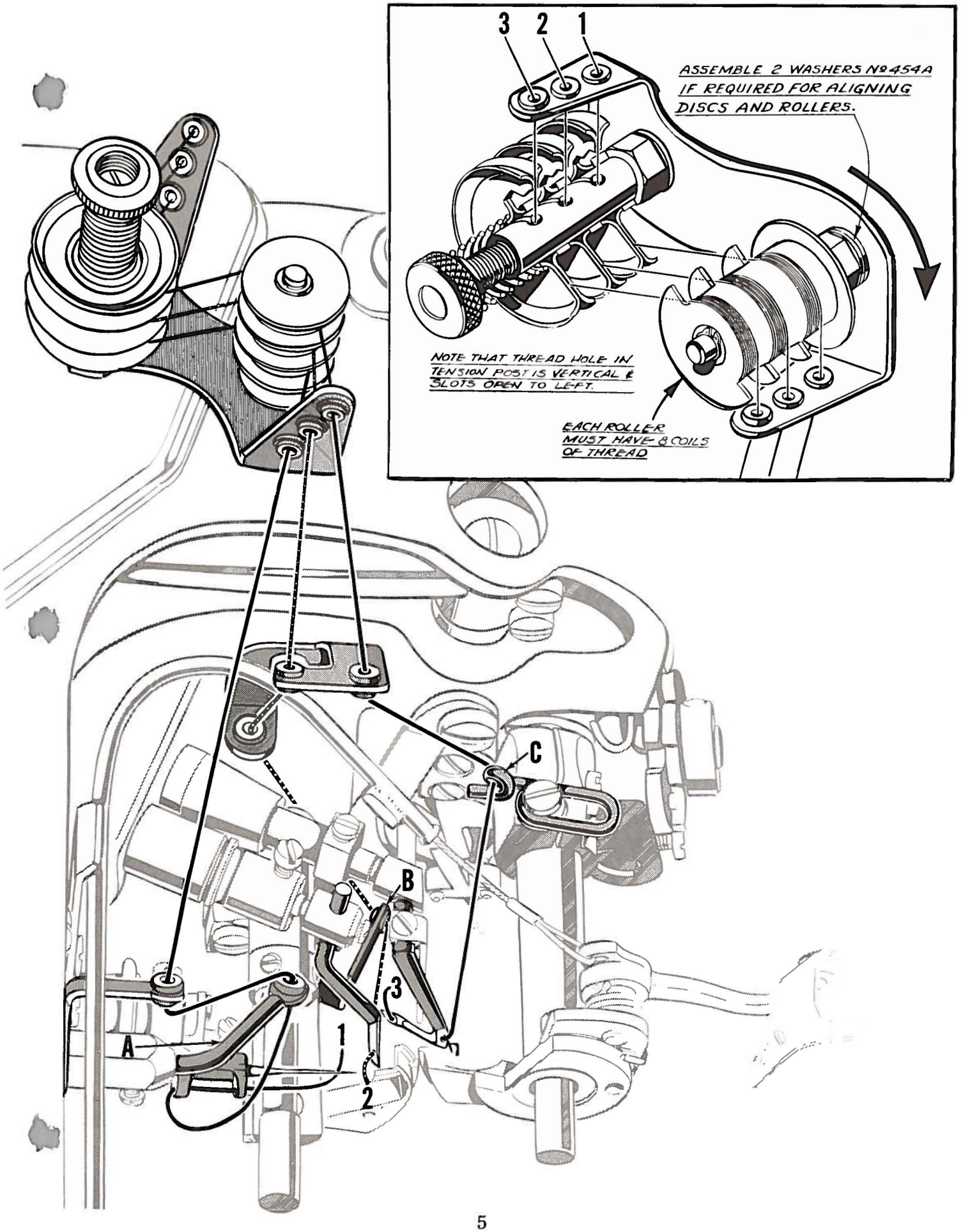
OILING AND THREADING

The oil has been drained from the machine before shipping, and the reservoir must be filled before beginning to operate. Use a straight mineral oil with a Saybolt viscosity of 200 to 250 seconds at 100° Fahrenheit.

Oil is filled at the spring cap in the top cover and the oil level is checked at the sight gauge on the right side of machine, in front of the pulley. The oil level should be maintained between the red lines on the gauge. The capacity of the oil reservoir is 8 ounces. The machine is automatically lubricated and no oiling, other than keeping the main reservoir filled, is necessary.

A daily check before the morning start should be made and oil added if required. Excessive oil in the main reservoir may be drained at the plug screw on the back of machine just below the top cover.

The drawings on the next page show the manner in which the machine is threaded. Please note that the needle is inserted into the needle holder as far as it will go, and that the short groove with the spot or scarf is up. Thread the needle from bottom to top.



ADJUSTING AND OPERATING INSTRUCTIONS

FEED SPROCKETS

Feed sprockets used in this machine have been selected to produce approximately 18 stitches per inch. It will be noted that the part number of the feed drive sprocket is No. 41457 A, while that of the feed driven sprocket is No. 41457 F. Unless otherwise specified, machine will be shipped with above sprocket combination. Listed below are some sprocket combinations and the stitches per inch (checked on paper) that these combinations should produce.

Stitches Per Inch (Checked On Paper)	Sprocket Combinations
12	41457 C and D
13	41457 B and D
14	41457 B and E
15	41457 B and F
16	41457 B and G
17	41457 A and F
18	41457 A and G
19	41457 and F
20	41457 and G

To change sprockets, the following procedure is suggested: After loosening 2 screws in pulley (on left side of machine), remove pulley from main shaft, and take left side cover off. Remove idler sprocket and sprocket arm by removing screw in elongated slot. Next, take off belt. To change feed driven sprocket nearest top of machine, remove 2 set screws located within teeth and pull from worm drive shaft. To continue, remove feed drive sprocket, also on main shaft, by loosening the 2 set screws on the hub and slide off shaft.

Install replacement feed driven sprocket by pushing onto shaft until hub bears against bearing. Tighten set screws. Check for bind.

Replace feed drive sprocket by pushing onto shaft with hub to the outside until sprocket bears against ball bearing. Tighten set screws. Check for bind.

After selected combination of sprockets has been installed, insert idler sprocket and belt. Take up slack in belt by moving idler sprocket arm vertically until belt becomes just taut. Be sure belt does NOT rub against casting. Replace side cover and pulley.

ASSEMBLING AND ADJUSTING SEWING PARTS

Before assembling sewing parts, remove the fabric puller assembly, the fabric uncurler, the stitch tongue, stitch tongue support, stationary needle guard, and the looper needle guard. Then, follow this suggested sequence:

MACHINE OIL LEVEL

Clean the machine thoroughly. Fill oil reservoir so the oil level in the sight oil gauge (on right side of machine) is between red lines.

SETTING THE FRONT FEED CUP SEPARATING LEVER

Observe position of front feed cup separating rod (A, Fig. 1) with respect to front feed cup separating lever (under head of casting). Between this lever and the separating rod, there must be approximately 1/32 inch clearance to prevent vibration between the two parts.

To obtain this 1/32 inch clearance, loosen screw (B) in rod collar (C), freeing the separating rod for vertical location. Pull this rod down, making sure it and separating lever touch. Push rod up 1/32 inch and retighten screw (B). Spring (D) exerts its pressure against collar (C). Distance between top of collar and bottom of top underside surface of lifter lever rod yoke (E) will be 1/32 inch when separating rod is pulled down slightly. Exerting more pressure will open front feed cup.

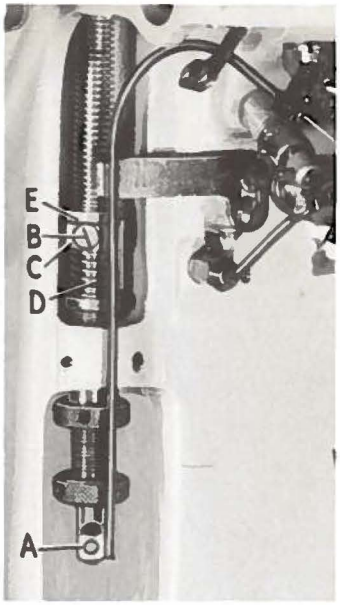


Fig. 1

SETTING THE REAR FEED CUP

Check the height of the rear feed cup (A, Fig. 2) in relation to the bottom of the needle bar (B). Using gauge No. 21227 CA (C) laid flat on cup, it should barely pass between upper edge of rear feed cup and the underside of needle bar when needle bar has been run to forward end of its stroke.

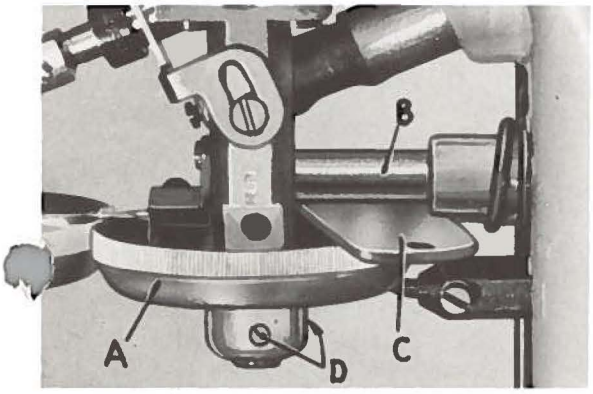


Fig. 2

Raise or lower rear feed cup by loosening set screws (D) in hub of cup. Retighten when proper height of cups is attained by the gauge and the teeth of front and rear cups properly engage.

SETTING THE FRONT FEED CUP

Height of the front and rear feed cups must be identical.

Front feed cup may be moved vertically until it matches rear feed cup height, setting of which is described in previous paragraph. As previously mentioned, slight raising or lowering of cup is accomplished by loosening set screws in hub of cup. Where greater distance up or down is required, loosen clamp screw (A, Fig. 3). Tighten screw when cup is level with rear feed cup.

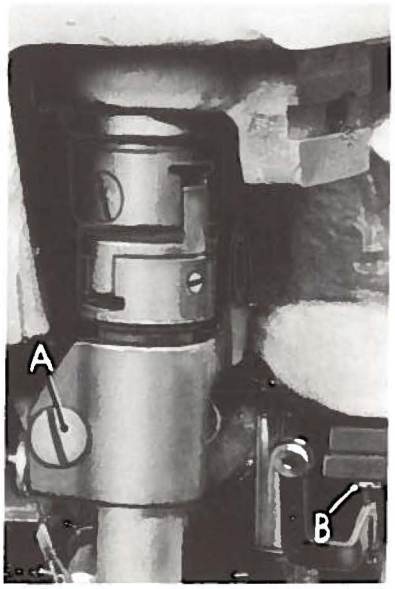


Fig. 3

Teeth of two cups must engage their full depth. Set screw (A, Fig. 4) releases stud (B), controlling cam under head of casting. Turn stud until spring pressure against stud is removed. Allow front feed cup to bear against rear cup while turning this front stud counterclockwise until a contact between the cam on the stud and the front feed cup separating lever can barely be felt. Then, turn stud clockwise 1/8 of a turn. Retighten set screw.

Gauge No. 21227 M (A, Fig. 5) is now used to determine the distance between the front and rear feed cups. Move front feed cup to its extreme outward position by exerting pressure on separating rod and then insert gauge, which should barely pass between them.

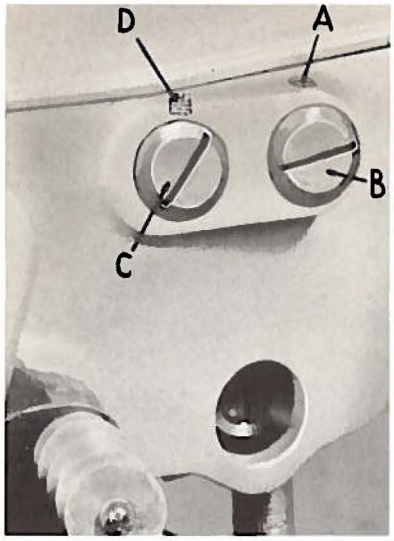


Fig. 4

SETTING THE FRONT FEED CUP (Continued)

The rear stud (C, Fig. 4) is used to set the degree to which the front feed cup can be opened. (Note: The set screw (D, Fig. 4) holding the stud controlling the rear cam is located under top cover just above stud.)

SETTING THE NEEDLE HOLDER

With the short groove UP, put in a new needle (A, Fig. 6) Type 155 F, size as specified, in needle holder to maximum depth. Tighten screw (B).

Two measurements must be made simultaneously to assure proper needle position: The distance between the left side of the rear feed cup shaft and the right side of the needle holder is .008 inch (measured by gauge No. 21227 CB (C, Fig. 6); the distance from the underside of the needle blade to the top of the cup rims, which have been previously set level to each other, is .003 inch.

When obtaining the .008 and .003 inch dimensions, it is imperative settings are made after the needle bar has been taken to the back of its stroke (turning pulley in operating direction) and then brought forward until needle bar extension is about even with rear feed cup shaft. Loosen screw (D) in needle bar collar (E) and rotate needle bar extension until its right side is parallel with the left side of the rear feed cup shaft. Tighten collar screw. Loosen slightly the screws (F) that hold the needle holder onto the needle bar extension so that the vertical and horizontal adjustment of needle can be made.

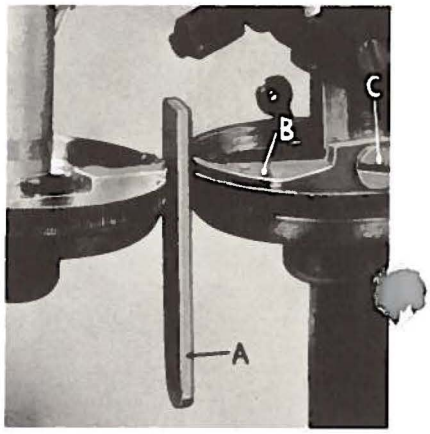


Fig. 5

Insert the gauge No. 21227 CB (C) between rear feed cup shaft (G) and needle holder (H). Keeping close watch that needle holder remains parallel to gauge, which is .008 inch thick, very lightly tap holder until the .003 inch dimension has been reached, which locates the needle above the feed cup rims.

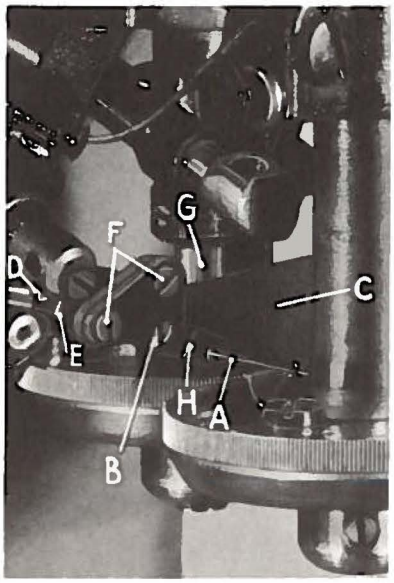


Fig. 6

Retighten screws (F). Removing gauge first, slowly rotate handwheel in operating direction to observe that specified clearances have been established as there must be no contact between moving parts.

SETTING THE STATIONARY NEEDLE GUARD

Install shim and stationary needle guard (A, Fig. 7) to front feed cup shaft bearing (A, Fig. 8), snugging up screws. This needle guard is set correctly only when the following conditions prevail:

1. A piece of tissue paper will barely pass between guard and top edge of cup.
2. The edge of the right section, adjacent to the slot, is .015 inch from bottom of the teeth in front cup (Fig. 7)
3. There is .003 inch clearance between right side of needle and right side of slot as needle is entering slot in guard.

SETTING THE STITCH TONGUE SUPPORT

The stitch tongue support (B, Fig. 5) is held by screw (C), which allows a horizontal adjustment, and screws (K, Fig. 13) holding the stitch tongue support bracket, which allows a vertical adjustment.

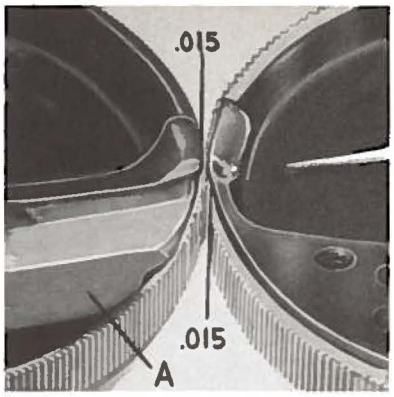


Fig. 7

Position the stitch tongue support so its front edge is .015 inch in back of the bottom of the rear feed cup teeth (Fig. 7). The support should barely contact the top edge of cup. Tighten screws.

Lateral setting is so needle clears the right side of the slot by .003 inch (as in No. 3 on preceding page). This may be accomplished by loosening screws (B, Fig. 3) and moving the stitch tongue support bracket left or right as necessary.

SETTING THE NEEDLE TRAVEL

Gauge No. 21227 CC (B, Fig. 8) is used to establish inward-outward travel of the needle (C).

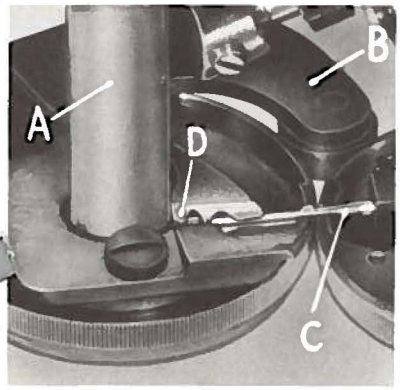


Fig. 8

With looper needle guard out of its proper location, set the gauge so the largest diameter pin rests snugly between the top point of the teeth of the two feed cups and the smaller pin bears against the outside surface of the front feed cup.

Turn handwheel in operating direction, bringing needle bar to forward end of travel, which, when using gauge, is the inside face of front prong (D).

If needle stroke needs changing, loosen screw (D, Fig. 6) in needle bar collar, move needle bar extension and needle holder as one unit either forward or backward to meet the above condition, and retighten screw.

NOTE: In moving needle bar collar, great care should be taken not to disturb adjustment made for "Setting The Needle Holder".

SETTING THE FRONT LOOPER

Gauge No. 21227 CC is also used for setting the distance between the point of the looper and the back edge of the needle eye. When the looper point is directly over the center line of the needle at the spot or scarf, this distance should be 7/64 inch.

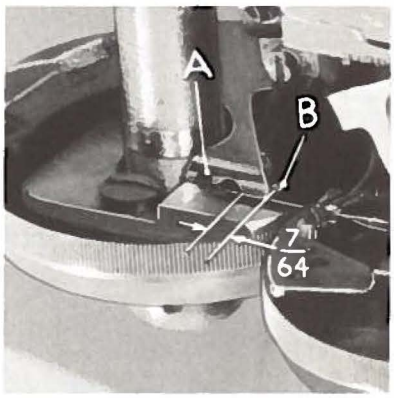


Fig. 9

Assemble the looper needle guard onto front looper and then looper into looper holder. With looper needle guard screw loose, swing this guard 180° away from its operating position to accommodate placement of gauge No. 21227 CC on machine in same position as when "Setting The Needle Position". Place gauge No. 21227 CC on machine.

Turn handwheel in operating direction until needle moves on its backward stroke and its point is even with back edge of middle prong (A, Fig. 9) of gauge.

SETTING THE FRONT LOOPER (Continued)

Set the looper so its point is directly over the center line of the needle and is flush with the back edge of rear prong (B) of gauge. These two settings are made by loosening the screw on the looper bar collar (A, Fig. 10) and moving looper holder as required.

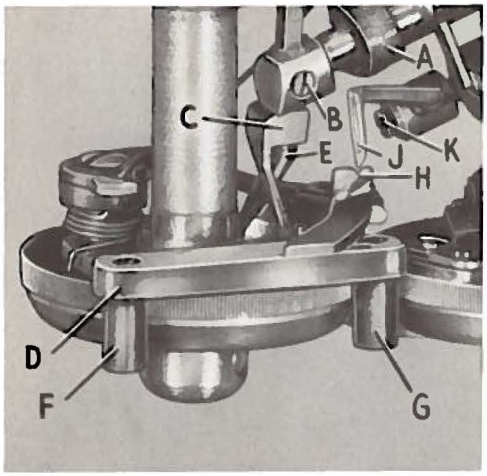


Fig. 10

At the same time, set the vertical position of the looper so there is a .003 inch clearance between underside of looper and the top of needle at the spot. Accomplish this by loosening screw (B) and either raising or lowering looper as required.

SETTING THE LOOPER NEEDLE GUARD

Looper needle guard (C, Fig. 10) can now be swung into approximate operating position. Keep its holding screw loose.

Rotate handwheel in operating direction, bringing needle to its forward end of travel. Adjust guard so its rear edge coincides with front edge of the needle eye -- exactly when the front looper has reached its extreme left position. Tighten holding screw in looper needle guard.

There should now be a very slight contact between needle and the guard as they cross paths, but not enough to spring needle.

SETTING THE BACK LOOPER

The operating location of the back looper is set according to gauge No. 21227 CD (D, Fig. 10).

First, turn handwheel in operating direction until point of front looper (E) is directly over center of needle.

Gauge No. 21227 CD should now be located on front feed cup with the left pin (F) bearing against the outside surface of cup and the right pin (G) seated between both cups.

Notch on arm-like sector of gauge (H) locates point of back looper (J). Do not allow looper point to drop into notch. Point must be directly above, yet flush with surface adjacent to notch. Tighten screw (K). Remove gauge.

Between front and back loopers, at closest approach, there must be a tissue paper clearance. Also, between back looper, stitch tongue support and needle, observe clearance as there must be no touching.

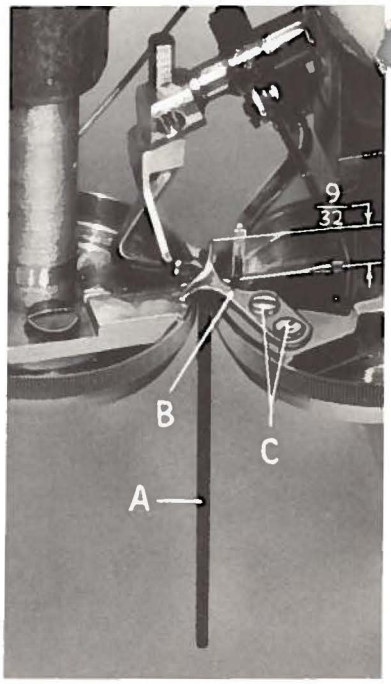


Fig. 11

SETTING THE STITCH TONGUE

The stationary position of the stitch tongue is set to gauge No. 21227 CA (A, Fig. 11). Place gauge No. 21227 CA (on end) between the feed cups and allow front cup to bear against gauge, with left edge almost extending to point end of stitch tongue (B).

SETTING THE STITCH TONGUE (Continued)

The back edge of the stitch tongue point must be flush with the back edge of gauge. Screws (C) hold stitch tongue onto stitch tongue support, and when loosened, allow adjustment of stitch tongue.

NOTE: If standard stitch tongue (No. 41397 B, marked "DF") is used, set stitch tongue laterally to obtain a measurement between the stitch tongue point and center of needle of 9/32 inch (Fig. 11).

NOTE: On Style 41400 B only, 3 shims (No. 41298-5) are furnished for raising the stitch tongue to secure the desired width of seam. Each shim being .005 inch in thickness. One shim is added under stitch tongue, the other two sent along with machine.

On all styles, check for front and back looper clearance.

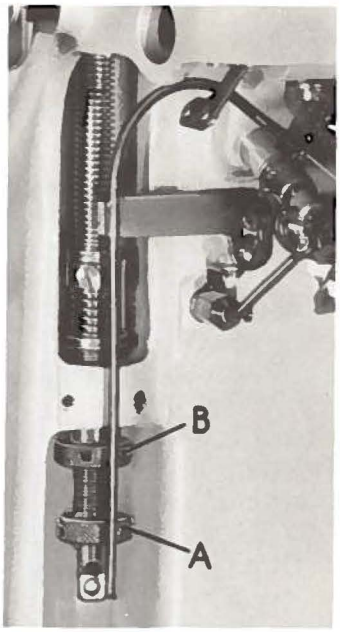


Fig. 12

SETTING THE THREAD EYELETS

Set needle thread take-up eyelet (A, Page 5) so distance from end of needle bar bushing to center of eyelet is approximately 7/8 inch. Eyelet should be turned down as close to rear feed cup as possible without making contact.

The needle thread should be drawn only on the backward stroke of needle with material in the machine. When needle is at forward end of stroke, its thread is just snug, not taut.

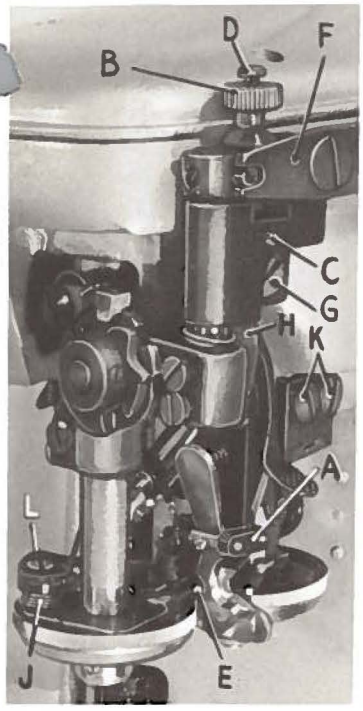


Fig. 13

Set the rear looper thread eyelet (B, Page 5) (attached to stitch tongue support intermediate bracket) so it is raised as high as eyelet slot allows and is about 7/16 inch from outside of rear feed cup drive shaft bushing. The thread should be just pulled up snug as back looper approaches the top of its upward stroke.

Set the front looper thread eyelet (C, Page 5) so it is about horizontal and distance from the center of the eyelet to the center of the clamp screw is about 3/8 inch. Looper thread should be drawn only on the portion of the looper motion which is right to left, with material in the machine. With looper at extreme right end of stroke, thread should be just snug.

NOTE: Under normal conditions, all threads should be drawn while the needle is moving toward the end of its backward stroke. When at extreme forward position, threads should be pulled taut with NO thread being drawn.

STARTING TO OPERATE

Be sure machine is threaded according to Threading Diagram (Page 5). Tension on threads should be sufficient to steady them and produce a uniform seam.

SETTING THE FEED CUP PRESSURE

Adjust the presser spring regulating screw (A, Fig. 12) so it exerts only enough pressure on the front feed cup to feed the work properly. Maintain correct setting by tightening of presser spring regulating screw nut (B) in clockwise fashion.

Make sewing test by producing a "mock" seam on a light weight knitted fabric. Operate machine at 5500 R. P. M. Observe fabric for needle or other cuts.

SETTING THE FABRIC UNCURLER

The uncurling device (A, Fig. 13) should be centered between the feed cups. Adjustments can be made vertically and horizontally.

It should be adjusted vertically so that the lower edge of the guide pins are level with the underside of the stitch tongue at needle line and can be swung horizontally so that the space between the uncurler and the looper needle guard is 1/32 inch, when the latter is at right end of stroke.

Vertical adjustment is made using the knurled nut (B) atop the uncurler bracket. First, loosen screw (C) and tighten screw (D). Turn knurled nut (B) until guide pins (E) are at the proper height. Turning in a clockwise direction lowers the uncurler and a counterclockwise direction will raise the uncurler. When height of guide pins has been set, tighten screw (C) and loosen screw (D) and adjust knurled nut (B) to give the proper height of uncurler when lifter lever (F) is pulled downwardly, at the beginning of a stocking. Tighten screw (D) to hold this adjustment.

Horizontal adjustment is made by loosening screw (G) to center uncurler between feed cups and retightening screw. Uncurler should be adjusted so that there is space of 1/32 inch between the uncurler and the looper needle guard, when the latter is at right end of stroke. To make this adjustment, loosen screws on hub of uncurler support bracket (H), set, and retighten screws. Check to see that uncurler does not interfere with other moving parts.

SETTING THE FABRIC PULLER AND CHAIN CUTTING ASSEMBLY

Set the pressure desired on the fabric puller by placing the end of torsion spring (J) in one of three holes in the fabric puller supporting arm (L); the front hole for the least tension, the back hole for the most tension, and the middle hole for average tension and the one generally used for average work.

Adjust puller plate on arm (L) so that its end just clears the rear feed cup and the chain cutting knife is against arm.

Make a test on a full fashioned stocking, sewing slowly at first to insure settings have been made properly and have the proper clearances.

NOTE: A complete set of gauges mentioned in the foregoing instructions may be ordered under the number 21227 CF. It comes complete with leather case.

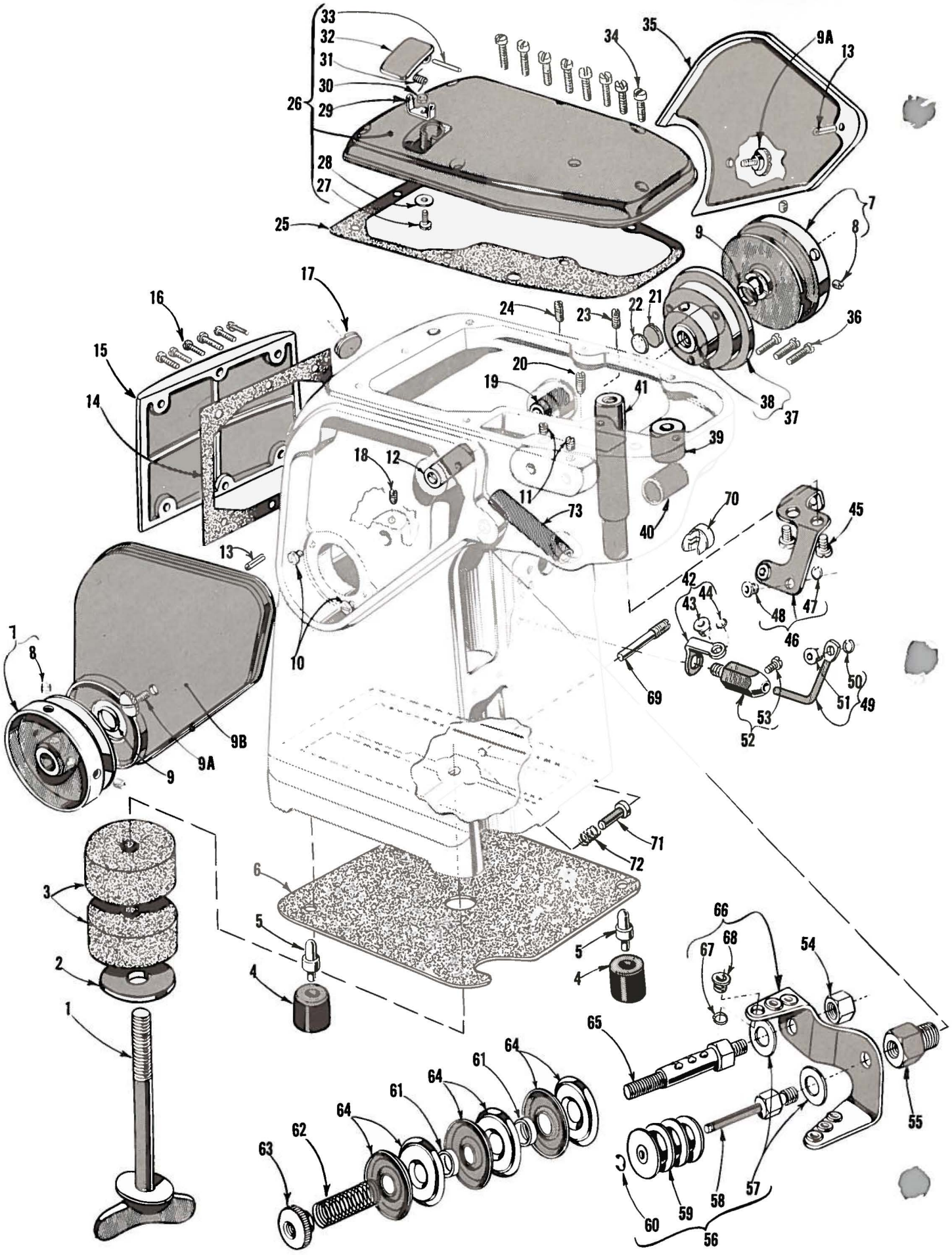
EXPLODED VIEWS

AND

DESCRIPTION OF PARTS

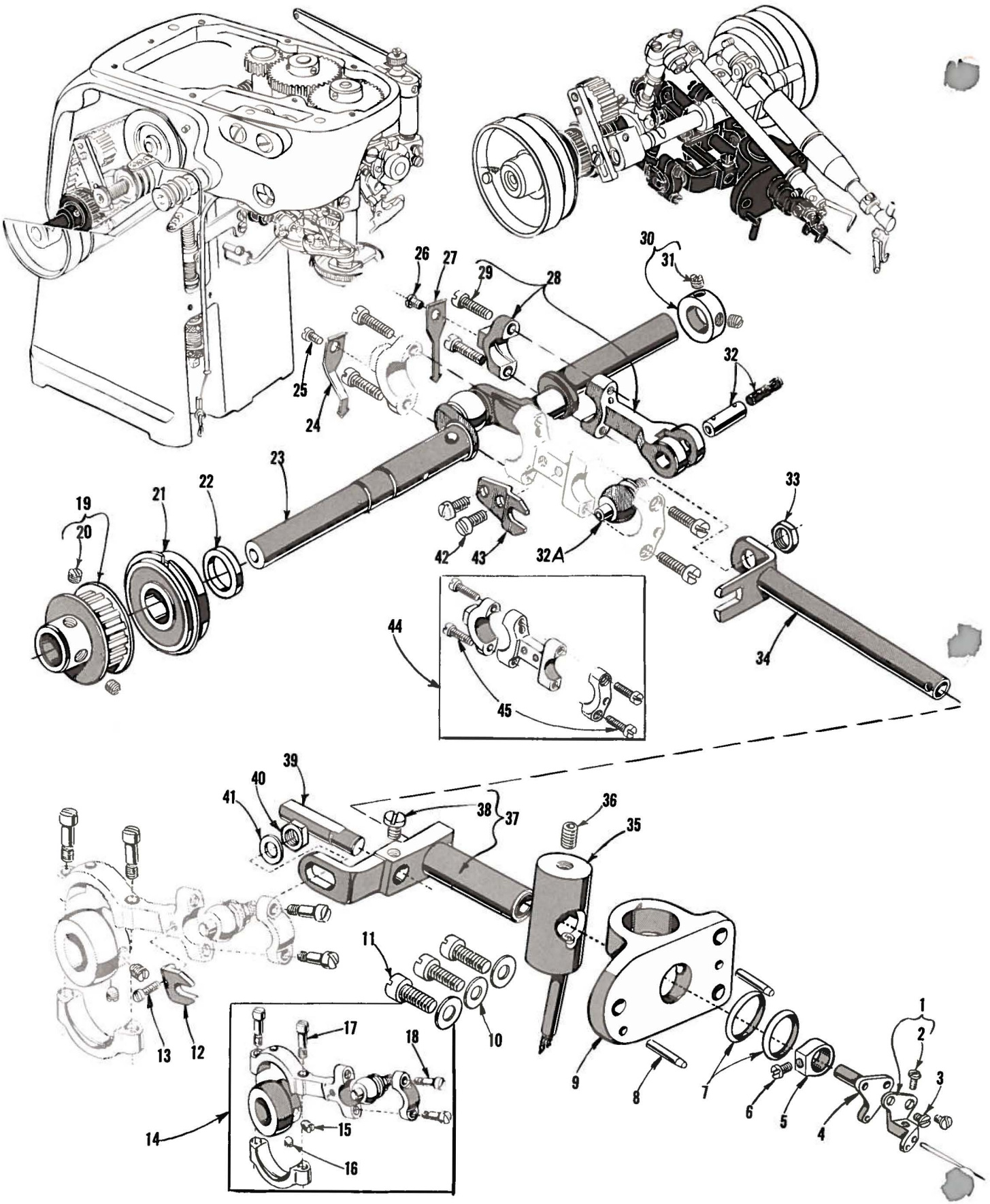
FOR

CLASS 41400



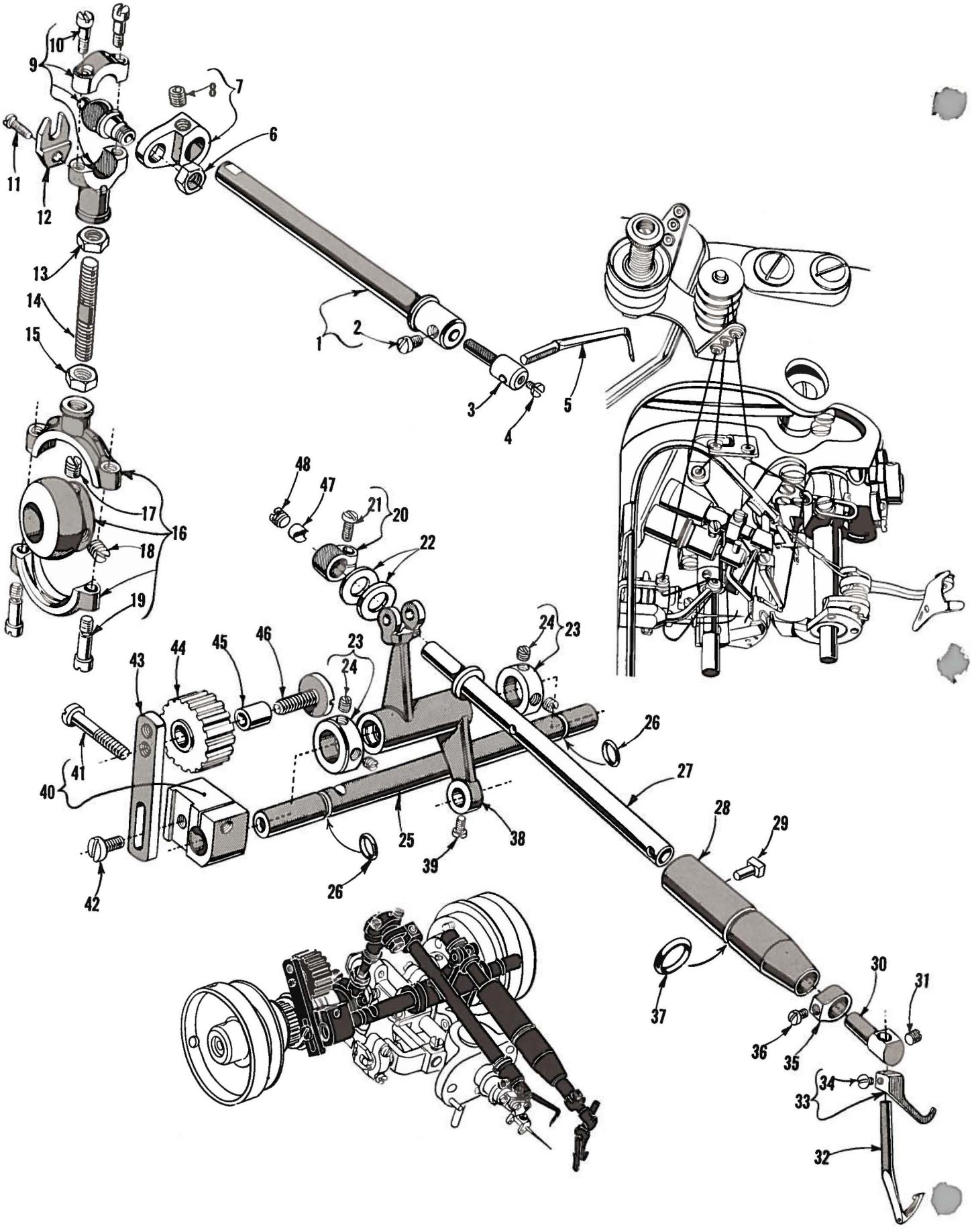
MISCELLANEOUS COVERS, BUSHINGS, PULLEYS, AND THREAD RATIO CONTROL

Ref. No.	Part No.	Description	Amt. Req.
1	105-4	Machine Mounting Screw	1
2	21353 A	Washer, steel	1
3	660-156	Washer, felt	2
4	41395 C	Isolator, rubber	2
5	41395 B	Machine Locating Pin	2
6	41395 A	Machine Mounting Gasket	1
7	41421	Pulley	2
8	98	Screw	2
9	660-204	"O" Ring	2
9A	22837	Screw	2
9B	41480 A	Belt Chamber Cover, left	1
10	22585 C	Screw	2
11	95	Screw, for 41360	2
12	41458	Worm Drive Shaft Bushing, left	1
13	660-219 B	Roll Pin	2
14	41394 C	Rear Cover Gasket	1
15	41480 C	Rear Cover	1
16	22516 A	Screw	6
17	22539 C	Plug Screw	1
18	22764 A	Screw, for 41432 C	1
19	41458 C	Worm Drive Shaft Bushing, right	1
20	22597	Screw, for 41432 E	1
21	22539 E	Plug Screw	1
22	41394 D	Worm Shaft Hole Gasket	1
23	22597 A	Screw, for 41458 J	1
24	230	Screw, for 41432 C	1
25	41394 B	Top Cover Gasket	1
26	41480	Top Cover	1
27	22804	Screw	1
28	53678 N	Washer	1
29	39582 U	Hinge Bracket	1
30	43443 Q	Nut	1
31	39582 V	Torsion Spring	1
32	39582 L	Oil Filler Cover	1
33	51-103 Blk.	Hinge Pin	1
34	75	Screw	8
35	41480 B	Belt Chamber Cover, right	1
36	22541	Screw	3
37	41490	Crankshaft Bushing Housing	1
38	41490 A	Bushing	1
39	41364 N	Feed Cup Shaft Bushing, front, upper section	1
40	41361 J	Front Feed Cup Pivot Shaft Bushing	1
41	41463 A	Feed Cup Shaft Bushing, rear	1
42	41476 C	Needle Thread Eyelet	1
43	668-25	Eyelet	1
44	668-28	Eyelet Locking Ring	1
45	90	Screw	2
46	41376 G	Looper Thread Eyelet	3
47	668-28	Eyelet Locking Ring	3
48	668-25	Eyelet	1
49	41476 A	Needle Thread Eyelet	1
50	668-28	Eyelet Locking Ring	1
51	668-25	Eyelet	1
52	41476	Eyelet Adaptor Stud	1
53	22768	Screw	1
54	43266	Tension Post Nut	1
55	41478	Thread Ratio Control Frame Spacer	1
56	29485 D	Thread Ratio Control	1
57	454 A	Washer	2
58	41378 X	Axle Stud	1
59	41378 V	Thread Ratio Control Roller	1
60	660-210	Retaining Washer	1
61	41378 K	Tension Disc Spacing Collar	2
62	51292 F-1	Tension Spring	1
63	51292 C	Tension Regulating Nut	1
64	109	Tension Disc	6
65	41378 J	Tension Post	1
66	41378	Thread Ratio Control Frame	1
67	668-28	Eyelet Locking Ring	6
68	668-26	Eyelet	6
69	562	Screw Pin, for machine mounting screw	1
70	41493	Oil Sight Gauge	1
71	41396	Locking Pin, for machine mounting screw	1
72	6956 C	Spring	1
73	41342 A	Back Looper Bar Bushing	1



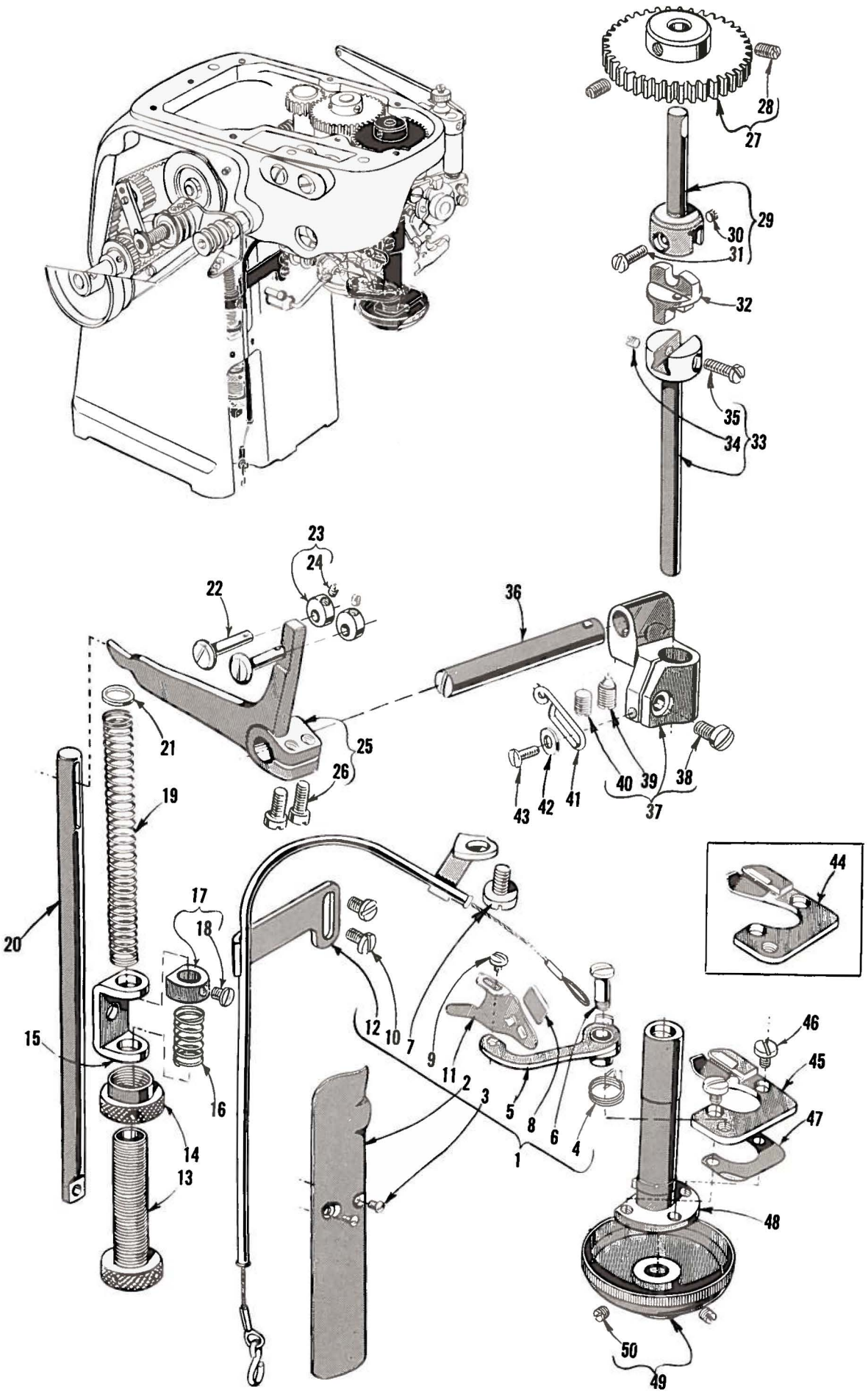
CRANKSHAFT, NEEDLE BAR AND NEEDLE BAR DRIVING PARTS

Ref. No.	Part No.	Description	Amt. Req.
1	41418	Needle Holder, marked "AL"	1
2	22798 A	Screw	1
3	605	Screw	2
4	41418 A	Needle Bar Extension, marked "AM"	1
5	39543 A	Needle Holder Collar	1
6	22 KH	Screw	1
7	660-202	"O" Ring, for needle bar bushing	2
8	667 B-10	Dowel Pin	2
9	41456 F	Fulcrum Pin Housing	1
10	69 H	Washer	3
11	22653 B-8	Screw	3
12	41255 B	Guide Fork	1
13	22747	Screw	1
14	29126 DM	Needle Bar Frame Connecting Rod Assembly	1
15	22764 A	Time Spot Screw	1
16	88	Set Screw	1
17	22587 E	Bearing Cap Screw	2
18	22559 D	Bearing Cap Screw	2
19	41457	Feed Drive Sprocket (Refer to Page 6 for sprocket combination)	1
	41457 A	Feed Drive Sprocket (Refer to Page 6 for sprocket combination)	1
	41457 B	Feed Drive Sprocket (Refer to Page 6 for sprocket combination)	1
	41457 C	Feed Drive Sprocket (Refer to Page 6 for sprocket combination)	1
20	88	Screw	2
21	660-281	Crankshaft Ball Bearing	1
22	39590 J	Crankshaft Thrust Washer	1
23	41422	Crankshaft	1
24	41432 K	Oil Splasher	1
25	77	Screw	1
26	22564	Screw -	1
27	41432 G	Oil Splasher	1
28	41432 D	Looper Lever Connecting Rod	1
29	22729 D	Screw	2
30	41491	Crankshaft Thrust Collar	1
31	89	Screw	2
32	51236 A	Link Pin	1
32A	41456 D	Needle Feed Drive Ball Stud	1
33	258 A	Nut	1
34	41417	Needle Bar	1
35	41456 E	Fulcrum Pin	1
36	22894 J	Screw	1
37	41456 A	Needle Bar Frame	1
38	94	Screw	1
39	41456 B	Needle Bar Guide	1
40	18	Nut	1
41	51216 N	Washer	1
42	97	Screw	2
43	39544 J	Guide Fork	1
44	39544 N	Needle Drive Connecting Rod	1
45	22729 D	Screw	4



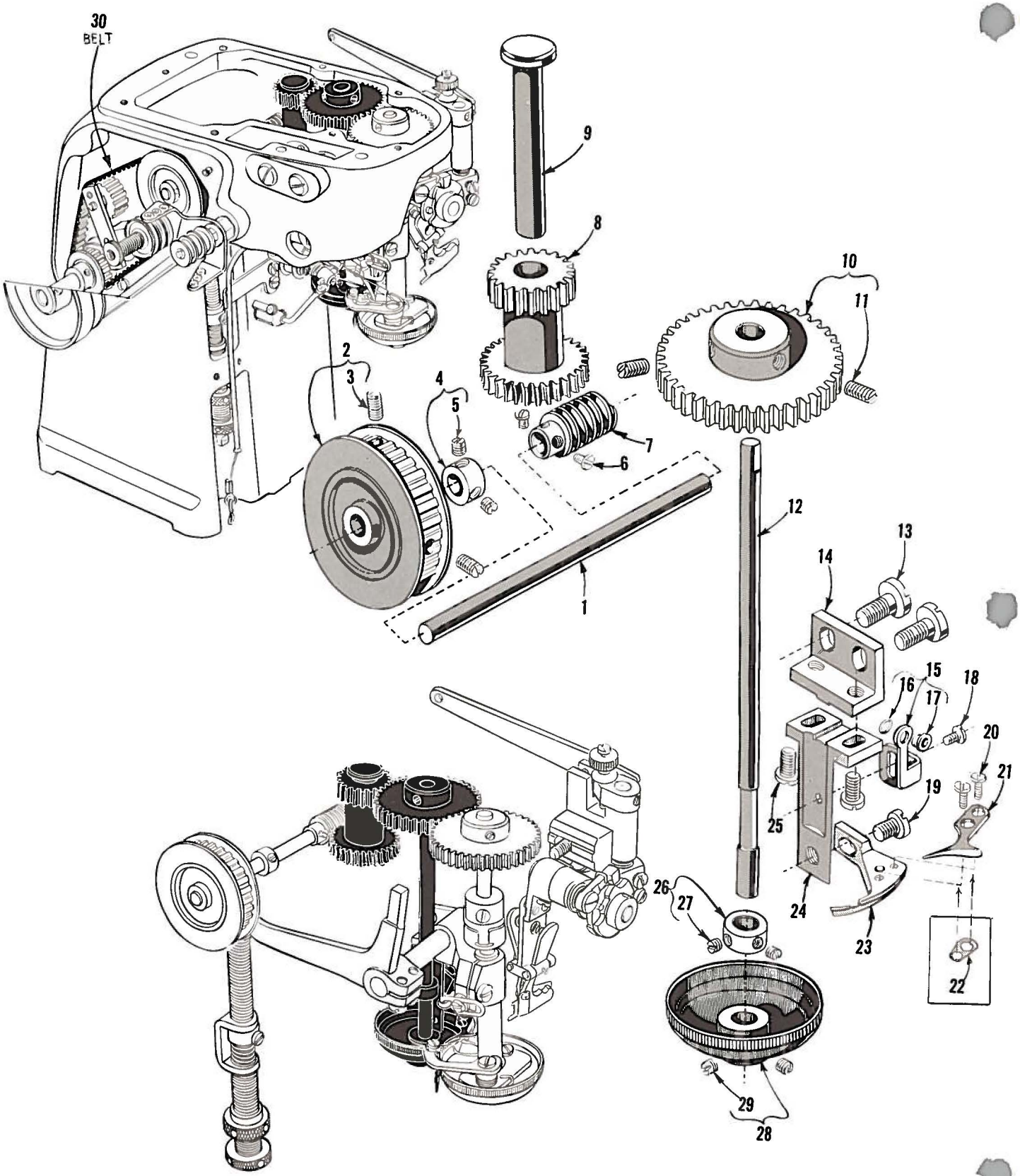
LOOPERS AND LOOPER DRIVING PARTS

Ref. No.	Part No.	Description	Amt. Req.
1	41442	Back Looper Bar	1
2	22562	Screw	1
3	41442 A	Back Looper Holder, marked "P"	1
4	605	Screw	1
5	41409	Looper, back, marked "CF"	1
6	258	Nut	1
7	41442 B	Back Looper Drive Lever	1
8	22894 C	Screw	1
9	41442 C	Looper Bar Ball Joint Assembly	1
10	97 A	Screw	2
11	22747	Screw	1
12	41255 B	Guide Fork	1
13	18	Nut, right thread	1
14	35851 G	Connecting Rod	1
15	269	Nut, left thread	1
16	29126 DN	Looper Rocker Eccentric Assembly	1
17	96 A	Set Screw	1
18	95	Spot Screw	1
19	22587 E	Bearing Cap Screw	2
20	41432 H	Thrust Collar	1
21	22562 A	Screw	1
22	41432 J	Thrust Washer	2
23	39147 D	Thrust Collar	2
24	88	Screw	2
25	41432 C	Looper Lever Shaft	1
26	660-220	"O" Ring	2
27	41432	Front Looper Bar	1
28	41432 E	Front Looper Bar Bushing and Cam Guide	1
29	41432 F	Cam Follower	1
30	41432 A	Front Looper Holder, marked "N"	1
31	88	Screw	1
32	41408	Looper, front, marked "CH"	1
33	41310	Front Looper Needle Guard	1
34	22547 A	Screw	1
35	39543 A	Looper Holder Collar	1
36	22 KH	Screw	1
37	660-204	"O" Ring	1
38	41432 B	Front Looper Drive Lever	1
39	22768	Screw	1
40	41458 H	Idler Sprocket Bracket	1
41	22874 E	Screw	1
42	22528	Screw	1
43	41458 F	Idler Sprocket Arm	1
44	41458 E	Idler Sprocket	1
45	11342	Ferrule	1
46	816	Screw	1
47	39543 E	Follower Clamp	1
48	22503 F	Adjusting Screw	1



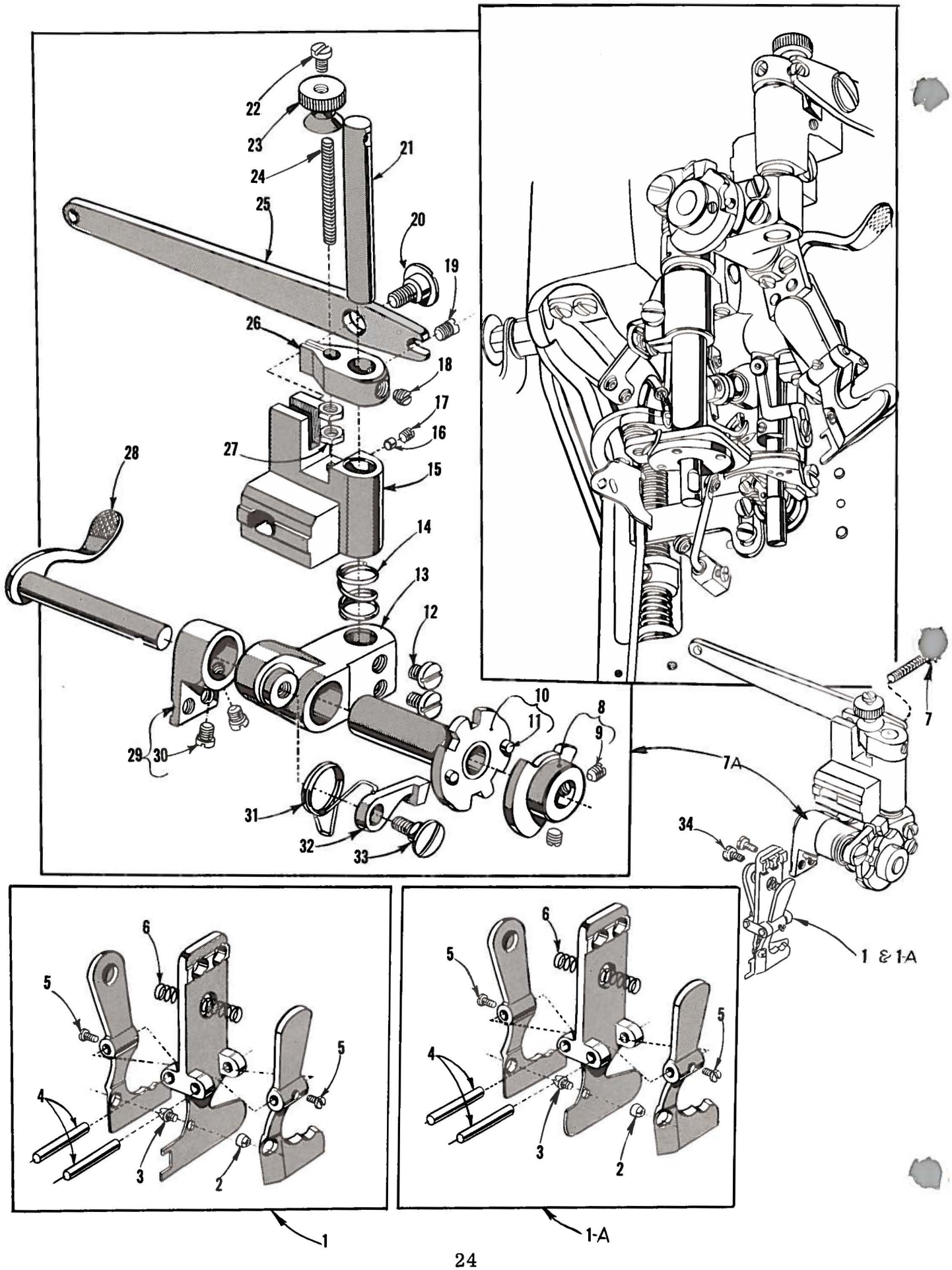
FABRIC PULLER AND CHAIN CUTTING KNIFE ASSEMBLY, FRONT FEED CUP AND CUP DRIVING PARTS

Ref. No.	Part No.	Description	Amt. Req.
1	41467	Fabric Puller and Chain Cutting Knife Assembly	1
2	41480 D	Cover, for feed cup separating mechanism	1
3	22849	Screw	2
4	41367 C	Tension Spring	1
5	41367 R	Fabric Puller Supporting Arm	1
6	C41	Screw	1
7	25 S	Screw	1
8	41367 G	Chain Cutting Knife	1
9	138	Screw	1
10	94	Screw	2
11	41367 J	Fabric Puller Plate	1
12	41367 S	Cable and Tube, complete	1
13	41375 U	Presser Spring Regulating Screw and Bushing	1
14	41375 V	Regulating Screw Lock Nut	1
15	41375 A	Lifter Lever Rod Yoke	1
16	41375 G	Yoke Spring	1
17	41375 F	Yoke Collar	1
18	22584	Screw	1
19	41375 Q	Presser Spring	1
20	41375	Lifter Lever Rod	1
21	41375 P	Presser Spring Washer	1
22	41360	Feed Cup Adjusting Stud	2
23	41360 G	Feed Cup Adjusting Eccentric Collar	2
24	22764 A	Screw	1
25	41361 U	Front Cup Lifter Lever	1
26	22517	Screw	2
27	41365	Feed Cup Driving Gear	1
28	22560 A	Screw	2
29	41363 A	Front Feed Cup Shaft, upper section	1
30	22743	Set Screw	1
31	22516 A	Screw	1
32	41363 N	Front Feed Cup Shaft Floating Connection	1
33	41363	Front Feed Cup Shaft, lower section	1
34	22743	Set Screw	1
35	22516 A	Screw	1
36	41361	Front Cup Pivot Shaft	1
37	41361 N	Front Cup Shaft Bracket	1
38	22517	Screw	1
39	HA81	Spot Screw	1
40	22591	Set Screw	1
41	51758	Front Looper Thread Eyelet	1
42	53678 N	Washer	1
43	22804	Screw	1
44	41425-055	Needle Guard, marked "LA-055", for Style 41400 B	1
45	41425-065	Needle Guard, marked "LA-065", for Styles 41400 A, C	1
46	22585 C	Screw	2
47	41445-2	Needle Guard Shim, .002 inch thick, as required	
	41445-3	Needle Guard Shim, .003 inch thick	
	41445-4	Needle Guard Shim, .004 inch thick	
	41445-5	Needle Guard Shim, .005 inch thick	
	41445-6	Needle Guard Shim, .006 inch thick	
	41445-7	Needle Guard Shim, .007 inch thick	
	41445-8	Needle Guard Shim, .008 inch thick	
	41445-9	Needle Guard Shim, .009 inch thick	
48	41463 B	Feed Cup Shaft Bearing	1
49	41362 A	Feed Cup	1
50	88	Screw	2



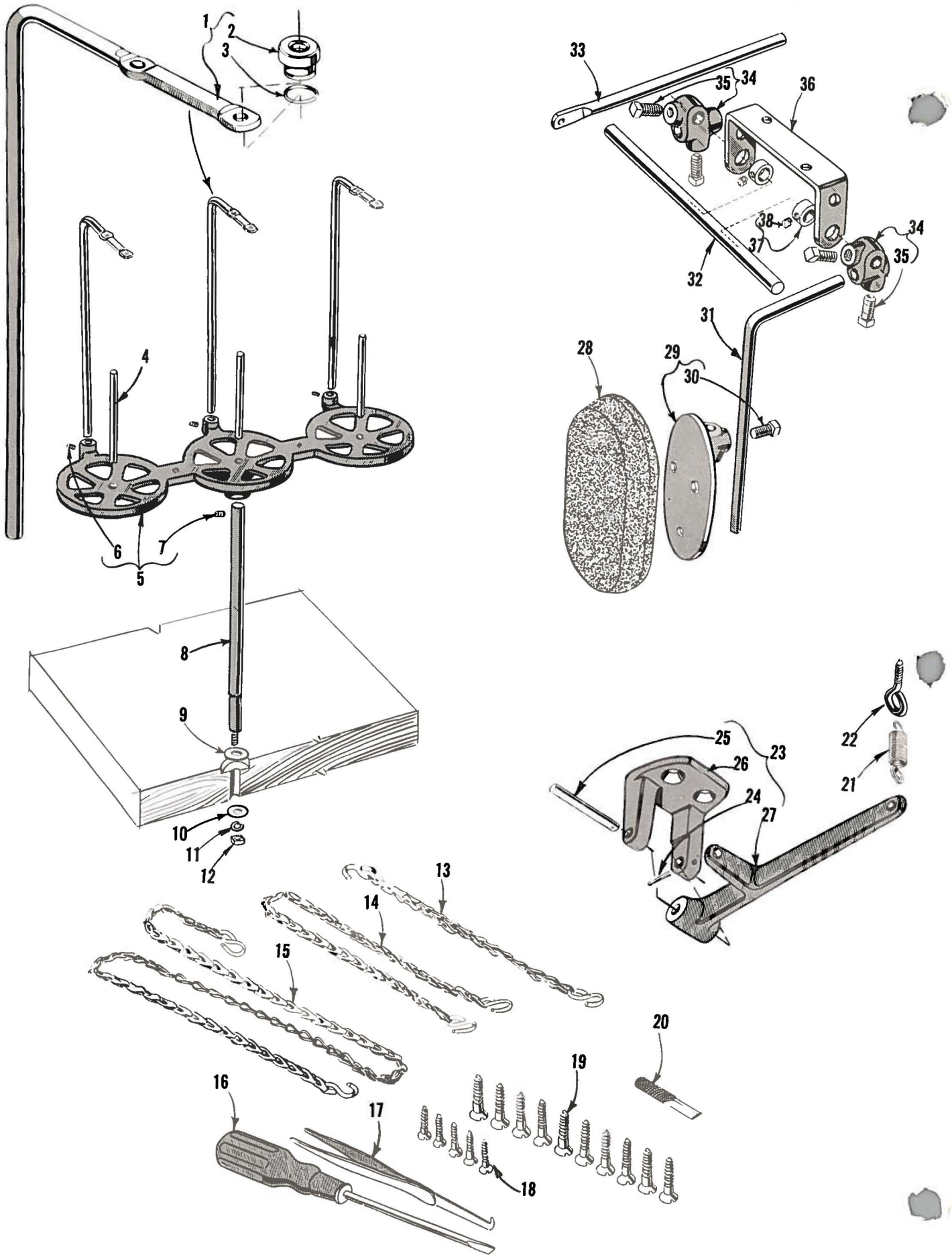
STITCH TONGUE, STITCH TONGUE SUPPORT, REAR FEED CUP AND CUP DRIVING PARTS

Ref. No.	Part No.	Description	Amt. Req.
1	41458 A	Worm Drive Shaft	1
2	41457 D	Feed Driven Sprocket (Refer to Page 6 for sprocket combinations)	1
	41457 E	Feed Driven Sprocket (Refer to Page 6 for sprocket combinations)	1
	41457 F	Feed Driven Sprocket (Refer to Page 6 for sprocket combinations)	1
	41457 G	Feed Driven Sprocket (Refer to Page 6 for sprocket combinations)	1
3	22560 A	Screw	2
4	61242	Worm Shaft Thrust Collar	1
5	88	Screw	2
6	77 P	Screw	2
7	41458 B	Feed Drive Worm	1
8	41458 D	Worm Gear	1
9	41458 J	Worm Gear Shaft	1
10	41365	Feed Cup Driving Gear	1
11	22560 A	Screw	2
12	41463	Feed Cup Shaft	1
13	22548	Screw	2
14	41366 N	Stitch Tongue Support Bracket	1
15	41476 B	Back Looper Thread Eyelet	1
16	668-28	Eyelet Locking Ring	1
17	668-25	Eyelet	1
18	22561	Screw	1
19	94	Screw	1
20	22798 A	Screw	2
21	41397 B	Stitch Tongue, marked "DF"	1
22	41298-5	Stitch Tongue Shim, .005 inch thick, for Style 41400 B	3
23	41466	Stitch Tongue Support, marked "H", for Style 41400 B	1
	41466 A	Stitch Tongue Support, marked "J", for Styles 41400 A and C	1
24	41466 B	Stitch Tongue Support Intermediate Bracket	1
25	22570 A	Screw	2
26	41363 U	Feed Cup Shaft Collar	1
27	22743	Screw	2
28	41362 A	Feed Cup	1
29	88	Screw	2
30	660-279	Feed Drive Belt	1



FABRIC UNCURLER AND UNCURLER MOUNTING BRACKET ASSEMBLY

Ref. No.	Part No.	Description	Amt. Req.
1	29450 R	Fabric Uncurler, for Style 41400 C	1
1A	29450 P	Fabric Uncurler, for Styles 41400 A, B	1
2	41274 A	Guide Pin Nut	1
3	41274	Guide Pin	1
4	41271 B	Hinge Pin	2
5	22738 B	Screw	2
6	41370 C	Spring	1
7	820	Screw	1
7A	29478 BV	Uncurler Mounting Bracket Assembly	1
8	41370 N	Ratchet, front	1
9	89	Screw	2
10	41370 P	Ratchet, rear	1
11	50-294 Blk.	Pin	2
12	94	Screw	2
13	41370 BC	Sliding Bracket	1
14	41370 AW	Mounting Bracket Shaft Spring	1
15	41370 AT	Mounting Bracket	1
16	41370 AY	Adjusting Stud Locking Insert	1
17	22743	Screw	1
18	22764	Screw	1
19	22845 G	Screw	1
20	22557	Screw	1
21	41370 AV	Mounting Bracket Shaft	1
22	90	Screw	1
23	41370 AF	Stud Nut	1
24	41370 AX	Mounting Bracket Adjusting Stud	1
25	41370 AD	Operating Lever	1
26	41370 BD	Sliding Bracket Guide	1
27	41071 G	Nut	2
28	41370 H	Unlocking Lever	1
29	41370 A	Uncurler Support Bracket	1
30	22830	Screw	2
31	41370 V	Ratchet Pawl Spring	1
32	41370 U	Ratchet Pawl	1
33	22504 A	Screw	1
34	22570 A	Screw	2



THREAD STAND, KNEE PRESS AND MISCELLANEOUS PARTS

Ref. No.	Part No.	Description	Amt. Req.
1	21113 F	Thread Eyelet and Support Rod	3
2	21114 L	Eyelet	2
3	21114 M	Eyelet Locking Ring	2
4	69 S	Spool Pin	3
5	21130 W-3	Cone Support	1
6	22650 CB-4	Screw	3
7	22650 CE-6	Screw	1
8	21104 AA	Thread Stand Rod	1
9	652 J-24	Washer	1
10	652 J-16	Washer	1
11	WA9 A	Lock Washer	1
12	651 A-16	Nut	1
13	421 D-10	Chain, 10 inches long	1
14	421 D-18	Chain, 18 inches long	1
15	421 D-34	Chain, 34 inches long	1
16	21201	Screw Driver, 9/64 inch round blade, length over-all 7 3/8 inches	1
17	660-240	Thread Tweezers	1
18		Wood Screw, flat head, #8 x 3/4 inch long	5
19		Wood Screw, flat head, #12 x 1 inch long	10
20	21209 C	Screw Driver, off-set, 2 inches long over-all	1
21	426	Spring	1
22	660-128	Wood Screw Eyelet	1
23	41375 H	Feed Cup Separating Lever Assembly	1
24	660-142	Cotter Pin	1
25	424	Hinge Pin	1
26	41375 K	Feed Cup Separating Lever Bracket	1
27	41375 J	Feed Cup Separating Lever	1
28	660-168	Knee Press Plate Cushion, rubber	1
29	21664	Knee Press Plate	1
30	69 FD	Screw	1
31	21677	Knee Press Rod	1
32	21661	Knee Press Shaft	1
33	21663	Knee Press Plate Rod	1
34	21665	Knee Press Rod Connection	2
35	69 FD	Screw	2
36	21662	Knee Press Bracket	1
37	9271	Collar	2
38	98	Screw	1

NUMERICAL INDEX OF PARTS

NOTE: Only the basic part numbers are shown in the index. For various gauges, capacities, etc. available, refer to the listings on pages indicated.

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WINNIPEG, MANITOBA, Frank Thierman, Rm. 201, Whitla Bldg., 70 Arthur St., Tel. Whitehall 3-4933.

Sales Agents For UNION SPECIAL Machines; Also Agent for (L) LEWIS and (C) COLUMBIA where marked.

AFRICA

KENYA, NAIROBI—Pollack (E.A.) Ltd.—Also: Uganda and Tanganyiki, Corner House, Hardinge Street (L & C)
MAURITIUS, PORT LOUIS—(Bag Closing & Bag Making Machines) Hall, Geneve, Langlois, Ltd., 42 Sir William Newton St., P.O. Box 77.
MOROCCO, CASABLANCA—R. Geissmann & Fils, Rue du Soldat Sanchez. (L)
REPUBLIC OF CONGO, ELIZABETHVILLE—Progress, B. P. 2166 (sub-agent Berzack Bros. Ltd., Johannesburg, Union of South Africa.) (L)
SOUTHERN RHODESIA, FEDERATION OF RHODESIA & NYASALAND, BULAWAYO—(Textile Machines) Berzack Bros. (Rhodesia), 16-14th Ave. (L)
SALISBURY—(Textile Machines) Berzack Bros. (Salisbury) Pvt. Ltd., 102 Siniaa St. (L)—(Bag Closing Machines) South African Scale Co., Pty., Ltd., Forbes & Angwa Sts.
SUDAN, KHARTOUM—Franco Pinto (Sudan) Ltd., P.O. Box 305.
TUNISIA, TUNIS—Comptoir Industriel & Menager C.I.M. 8 Rue du 18 Janvier 1952. (L)
UNION OF SOUTH AFRICA, JOHANNESBURG—(Textile Machines) Berzack Bros., Ltd., Berbro House, 135/7 Pritchard St. Branches at CAPETOWN—78 Darling St.; DURBAN—72-74 Commercial Road; PORT ELIZABETH—58 Queen St. (L)
JOHANNESBURG—(Bag Closing Machines) South African Scale Co., Pty., Ltd., 32 Von Brandis St. Branches at: BLOMFONTEIN—53 Zastron St.; CAPETOWN—Wales & Bree Sts.; DURBAN—22 Aliwal St.; EAST LONDON—38 Argyle St.; PORT ELIZABETH—Box 611. Also at PIETERMARITZBURG, PRETORIA, VEREENIGING and WORCESTER.

AUSTRALIA

Sole Distributor—Capron, Carter (Pty.) Ltd. (L)
NEW SOUTH WALES, SYDNEY—86 Liverpool St.
QUEENSLAND, BRISBANE—454 Brunswick St., Valley, N. I.
SOUTH AUSTRALIA, ADELAIDE—(Sub-agents) Topp & Farmer, Ltd., 177 Hindley St.
TASMANIA, HOBART—(Sub-agents) Reliance Trading Co., 105 MacQuarie St.
VICTORIA, MELBOURNE—78 A'Beckett St.
WEST AUSTRALIA, PERTH—(Sub-agents) Thomsons, Ltd., 789 Hay St.

ASIA

CAMBODIA, PHOM-PENH—Denis Freres, P.O. Box 48. (C & L)
HONGKONG—G. R. Coleman Co. (Hongkong) Ltd., Room 308, Bank of Canton Bldg., 6 Des Voeux St., Central. (L & C)
INDIA, CALCUTTA—Don, Watson & Co., (Pvt.) Ltd., 19 British Indian St. (L)
JAPAN, OSAKA—Kondo Sewing Machine Co., 153 Umegae-Cho, Kita-ku. (L)
KOREA, SEOUL—Uebersee-Handel A.G., Rm. 604, Bando Bldg., 180 1-ka Ulchiro, Chung-Ku, Int. P.O. Box 1268. (L)
LAOS, VIENTIANE—Denis Freres, P.O. Box 133. (C & L)
PAKISTAN, KARACHI—2—Universal Trading Corp., 29 Zeenat Mansion, McLeod Road. (Textiles Machines Only) (Bag Closing and Bag Making Machines)—Thomas C. Keay, Ltd., 15 Baltic Street, Dundee, Scotland.
TAIWAN, TAIPEI—G. R. Coleman Co. (Hongkong) Ltd., 16 Nan Yang St. (L & C)
THAILAND, BANGKOK—Yip In Tsoi & Co., Ltd., P.O. Box 23. (Bag Making & Bag Closing Machines)
VIETNAM, SAIGON—Societe des Riz d'Indochine, Denis Freres, P.O. Box 444, 4 Rue Tu Do. (C & L)

BRITISH WEST INDIES

Union Special International, Inc.

JAMAICA, KINGSTON—Morris E. Parkin, 102 King St. (L)
BAHAMAS, NASSAU—H. L. Simon & Co., 2650 N.W. 5th Ave., Miami 37, Florida

EUROPE

AUSTRIA, VIENNA—Firma Nähschuster, Mariahilferstr. 51. (L)
BELGIUM, BRUSSELS—Union Special Machine Corporation of America, 23 Rue Philippe de Champagne, Henri Delaof, Mgr. (C)
BRITISH ISLES—(Bag Closing and Bag Making Machines) Thomas C. Keay, Ltd., 15 Baltic St., Dundee, Scotland.
DENMARK, COPENHAGEN — Rothenborg Specialmaskiner for Sy-Industrien A/S, Nikolaj Plads 23. Offices at: AALBORG, HERNING, KOLDING, RISSKOV-AARHUS AND SILKEBORG. (L)
EIRE, DUBLIN—(Textile Machines) Machines, Ltd., 24 Upper Abbey St. (C) (Bag Closing and Bag Making Machines) Thomas C. Keay, Ltd., 15 Baltic St., Dundee, Scotland.
ENGLAND—(Textile Machines)—LEICESTER, Union Special Machine Co., Ltd., 25 Bede Street, Braunstone Gate. A. B. Fitzpatrick, Mgr. LEEDS, YORKSHIRE, C. Waters, 111 Alderton Heights, Moortown. LONDON, E.C. 1, Union Special Machine Co., Ltd., 15-17 City Road. G. Johnson & Son (Sewing Machinery Ltd.) 53 Great Titchfield St. London W-1. MANCHESTER 1, S. A. Smith (Manchester) Ltd., 34 Oxford Road. PORTSMOUTH, Saunders Machine Co., (Portsmouth) Ltd., 110 Kingston Crescent. (Bag Closing and Bag Making Machines)—Thomas C. Keay, Ltd., 15 Baltic Street, Dundee, Scotland.
FINLAND, HELSINKI-LAUTTASAARI — Suomen Koneliike O/Y, Vattuniemenkatu 13. Branches at TURKU, Yliopistonkatu 16. TAMPERE-Pienteoiliusostalo (L & C)
FRANCE, PARIS—Cie. des Machines Union Special de France, 91 Ave. de la Republique, Georges Linotte, Mgr.
GERMANY, STUTTGART—Union Special Maschinenfabrik, G.m.b.H., Schwabstr. 33, A. W. Krieger, Managing Director. BIELEFELD BRANCH, Bielefeld, Detmolder Str. 244. EBINGEN BRANCH, Ebingen/Württ., Gartenstr. 44. FRANKFURT BRANCH, Frankfurt/M-Rödelheim, Reichsburgstr. 8. HAMBURG BRANCH, Hamburg-Eimsbüttel, Lappenbergsalle 4d. KOLN BRANCH, Köln/Rh., Auf dem Hunnenrücken 25. MÜNCHEN BRANCH, Gmund/Tegernsee, Bernäckersiedlung 7. (C) and Lewis button sewers.
GREECE, ATHENS—Michel D. Dimoulis, 30 Petraki St. (L & C)
ITALY, MILANO—Giovanni Conti & Nipoti, Via Varese 18. (L)
THE NETHERLANDS, AMSTERDAM—N. V. Machinehandel C. & H. Verbeek, Klaveniersburgwal 77. Offices at: ENSCHEDE, GRONINGEN, ROTTERDAM, SITTARD. (L & C)
NORTHERN IRELAND, BELFAST—(Textile Machines) W. & J. Bogod & Co., Ltd., 6 Linenhall St. (C)
NORWAY, OSLO—Jac. Jacobsen A/S, Kr. Augustsgate 19 (Tullingarden); BERGEN—Bjornsongst 24. (C)
PORTUGAL, OPORTO—Rost & Janus, Succs. Lda., Rua Barao de Forrester 914. (L)
SCOTLAND, DUNDEE—Thos. C. Keay, Ltd., 15 Baltic St. (Bag Closing and Bag Making Machines).
SCOTLAND, GLASGOW, S.E.—(Textile Machines) Allardice & Co., 9 Stevenson St.
SPAIN, BARCELONA—Rapida, S.A., Avino 9. (L)
SWEDEN, BORAS—Rud. Nystrom & Co., A/B, Lilla Brannerigaten 6. Branches at OREBRO-Ostra Bangatan 18; MALMO, S. Forstadsgatan 16. Sub-Agent STOCKHOLM, A/B Forsberg & Kato, Tomtebogatan 38.
SWITZERLAND, ZURICH—M. L. Bourquin, Albisriederstrasse 226.

LATIN AMERICA

Union Special International, Inc.

ARGENTINA, BUENOS AIRES—Pamaco Costura, S.A., San Jose 350 (Union Special Machine Company), (L) (C)
BRAZIL, SAO PAULO — Pancostura, S.A. — Industria e Comercio, Rua Aurora 59A-71. Branches at PORTO ALEGRE—Rua Voluntarios da Patria 533; RECIFE—Rua Princesa Isabel 105; RIO DE JANEIRO—Rua Alexandre MacKenzie 117. (C & L)
CHILE, SANTIAGO—Lowenstein & Stewart, S.A.C., Calle Santo Domingo 1140. (L)
COLOMBIA, BOGOTA—Macalzado, Ltda., Calle 13 #22-53. (L) Branches at BARRANQUILLA—Calle 37 #39-51. BUCARAMANGA—Calle 34 #17-45. CALI—Carrera 7a #14-33/35. MEDELLIN—Carrera 51, (Bolivar) #41-180. (L)
COSTA RICA, SAN JOSE—Champion Co., Ltda., Apartado 2742.
CUBA, HAVANA—(Textile & Bag Making Machines) Antilla Yarn & Supply Co., S. A., Factoria 70. (L) GUANABACOA, HAVANA—(Bag Closing Machines) Miguel A. Vilato, Edificio Martinez y Vilato, Via Blanca Rd., Apartado 644, Havana.
DOMINICAN REPUBLIC, CIUDAD TRUJILLO—Luis Dominguez, S., Calle 19 de Marza #25. (L)
ECUADOR, GUAYAQUIL—Richard O. Custer, S.A., 9 de Octubre 211-213. Branch at QUITO—Carrera Benalcazar 659.
EL SALVADOR, SAN SALVADOR—Vairo Hermanos, Colonia Vairo. (L)
GUATEMALA, GUATEMALA—Compania Argo-Comercial, S.A., 8a Avenida Sur #10-43. (L & C)
MEXICO, MONTERREY, N.L. — Talleres Perez Zozaya, S.A. de C.V., Cuauhtemoc Norte 335. Branches at: GUADALAJARA, JAL.—Hidalgo 45 y 47; MEXICO, D.F.—Distribuidora Union Especial, S.A. de C.V., Ave. Pino Suarez 99-a (Apartado 12770); SAN LUIS POTOSI, S.L.P.—J. de los Reyes 80. (L)
NICARAGUA, MANAGUA—Casa Hentgen, 1a Ave. S.E. #401. (L)
PANAMA, PANAMA—Agencias Hagus, S.A. Ave. 7a Central 16-14.
PERU, LIMA—A. y F. Wiese, S.A., Esq. Nunez y Filipinas. (L)
PUERTO RICO, SAN JUAN—Abarca Warehouses Corp., P.O. Box 2352. (L)
SURINAM, PARAMARIBO—Kirpalani's, Ltd., 17-27 Maagden St. (L & C)
URUGUAY, MONTEVIDEO—Storer & Cia., S.A., Uruguaya, Mercedes 1312. (L)
VENEZUELA, CARACAS—H. Blohm, S.A., Dr. Paul A. Chorro 29 (L)

NEAR EAST

CYPRUS, LARNACA—Choupourian Agencies, P.O. Box 194. (L)
EGYPT, CAIRO—A. Kavaldjian, 4 Midan el Cheikh Barakat. (L)
IRAN, TEHERAN—Sava Trading Corp., Ave. Bozarjomehri 655. (L & C)
IRAQ, BAGHDAD—Sons of O. O. Agopian, P. O. Box 121. (L & C)
ISRAEL, TEL AVIV—L. Taube, Ltd., 15 Lilienblom St. (L)
LEBANON, BEIRUT—Sons of O. O. Agopian, P.O. Box 1165. (L & C)
SYRIA, DAMAS—Elias Aractingi & Fils, Sidi Amoud. (L & C)
TURKEY, ISTANBUL—David ve Leon Varber ve Seriki, Hamdi Bey Gecidi 36, 38, 40, Posta Kutusu 385. (L & C)

NEW ZEALAND

Sole Distributor—H. A. Tuck & Co., Ltd. (L)
AUCKLAND—171 Albert St. (L & C)
CHRISTCHURCH—(Sub-agent) Glendermid, Ltd., 78 Lichfield St. (L & C)
DUNEDIN—(Sub-agent) Glendermid, Ltd., 18 Dowling St. (L & C)
WELLINGTON—Ford Bldg., Courtenay Place. (L & C)

PACIFIC ISLANDS

HAWAII, HONOLULU 13—(Textile Machines) Territorial Sales Co., 540 Kamani St. (L)

HAWAII, HONOLULU—(Bag Closing and Bag Making Machines) H. S. Gray Co., 759 Puuloa Rd.

PHILIPPINE ISLANDS, MANILA—(Textile Machines) Atkins, Kroll & Co., Inc., 124 Myers Bldg., Port Area. Branch at CEBU. (L) (Bag Closing and Bag Making Machines) Earnshaws Docks & Honolulu Iron Works Co., Tacoma & 2nd Sts., Port Area.

Additional Sales Agents for (L) LEWIS and (C) COLUMBIA Machines

AUSTRALIA, MELBOURNE—Michaelis, Hallenstein & Co., Pty., Ltd., 441 Lonsdale Street. (C)
AUSTRIA, VIENNA—Franz Korpert, Wahringerstr. 141. (C)
BELGIUM, BRUSSELS—N. V. Machinehandel C & H Verbeek, 57A Blvd. du Jardin Botanique, Buyl Building. (L)
BRITISH ISLES—Eastman Machine Co., Ltd., 89 Beddington Lane, Croyden, Surrey, England. (L)—Showroom and Repair Shop: 15-17 City Road, London, E.C.1, England. LEEDS—4 Vernon St., Manchester-60-62 Corporation St.
CHILE, SANTIAGO—Roberto E. Gottlieb & CIA, Catedral 1159. (C)
CUBA, HAVANA—American Sewing Machine Co., Dragones 202. (C)
DENMARK, COPENHAGEN — Dimas, Det Internationale Industrimaskine A/S, Gronnegade 10. (C)
EIRE, DUBLIN—W. Blythman (Sub-Agent of The Eastman Machine Co.), 224 Parnell Street. (L)
ENGLAND-CROYDON, SURREY—Eastman Machine Company, Ltd., 89 Beddington Lane. Branches at LEEDS—4 Vernon Street, MANCHESTER—60-62 Corporation Street (L)
ENGLAND, LONDON—W. & J. Bogod & Co., Ltd., 85 City Road, London, E. C. 1 (C)
FRANCE, PARIS—Societe G. Arnon & Cie., 36 Rue Debelleyme. (L)
FRANCE, PARIS—Aspe-Dumont & Cie., 13 Rue de la Fontaine-Au-Roi. (C)
GERMANY, BIELEFELD—Dürkoppwerke-Maschinen Gesellschaft m.b.h. (L) except button sewers (also branch offices of Dürkoppwerke).
GERMANY, KREFELD — Herbert Janssen, Alte Linner Strasse 104. (C tie machines only)
INDIA, DELHI—Munshi Ram B.Sc., Above Keventers, Kashmere Gate. (L)
ISRAEL, TEL AVIV—Israel Sewing Machine Co., 22 Yehuda Halevy St. (C)
ITALY, MILANO—Mario Jeri, Via Morigi 13. (C)
MEXICO, MEXICO, D.F.—Casa Diaz de Maquinas de Coser, Aparrado Postal 7259. (C)
MOROCCO, CASABLANCA—Durkopp Caudrex, 25 Rue Bascurnama (C)
NORTHERN, IRELAND, Belfast—W. & J. Bogod & Co., Ltd., 6 Linenhall Street (C)
NORWAY, OSLO—J. A. Johansen A/S, Torvgatan 10. (L)
THE PHILIPPINES, MANILA—J. B. Y. Tanlimco Sons, Inc., 455-457 Juan Luna. (C)
PUERTO RICO, SANTURCE—Humberto A. Collado, Box 6777, Loiza Station (C)
SOUTHERN RHODESIA, FEDERATION OF RHODESIA & NYASALAND, BULAWAYO—African Sewing Machine Company, (Rhodesia) (Pvt.) Ltd.
SWEDEN, BORAS—Aktiebolaget A. G. Gustafson, Kungsgatan 28. (L) Branches at MALMO—Stora Kvorngatan 29, STOCKHOLM—Kungsgatan 18.
SWEDEN, BORAS—Husqvarna Industrisymaskiner, Kungsgatan 34. (C)
SWITZERLAND, ZURICH—Fritz Zellweger & Co., Selnaustrasse 27. (L)
SWITZERLAND, ZURICH 4—A. Brunschwiler, Strassburgstrasse 15. (C)
UNION OF SOUTH AFRICA, JOHANNESBURG—African Sewing Machine Company (Pty.) Ltd., 85/87 Pritchard Street. Branches at: CAPE TOWN—110 Plein St.; DURBAN—16 Saville St. (C)
URUGUAY, MONTEVIDEO—Compania Recons S.A. (Intercomp Ltda.), Convencion 1374. (C)
WALES, CARDIFF—W & J Bogod & Co., Ltd., Newport Road. (C)

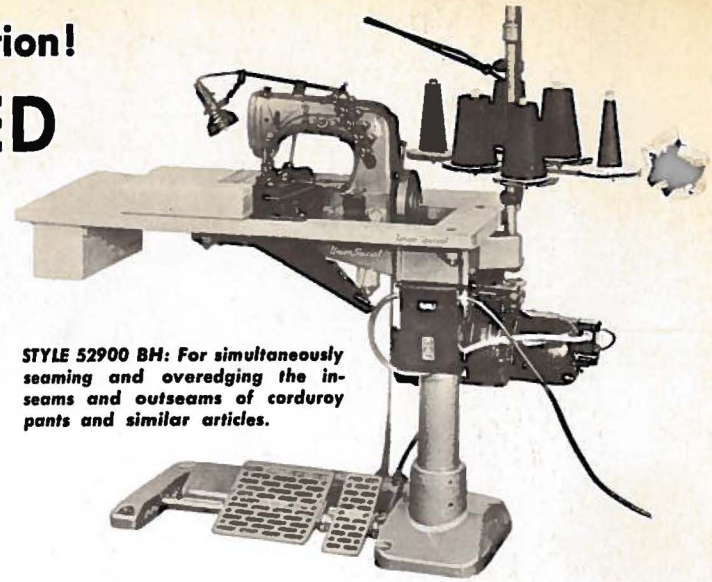
Aid Plant Layout! Boost Production!

PEDESTAL MOUNTED MACHINES

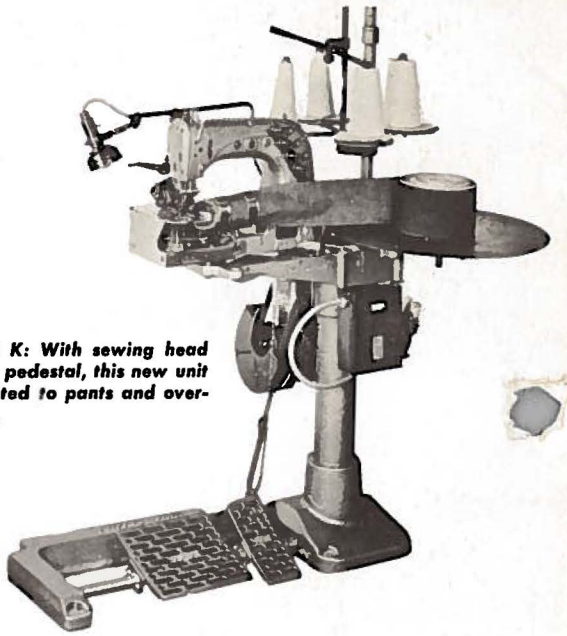
UNION SPECIAL'S pedestal mountings for sewing heads have offered a great many advantages to manufacturers ever since they were introduced as a revolutionary new type of mounting for feed-off-the-arm machines in Classes 35700 and 35800.

In the pedestal mounted type installation, the machine is completely isolated from the base and, where table boards are used, they are completely isolated from the pedestal and from the machine, which makes for smoother, quieter operation. In various cases, the motor may be mounted to the right or to the left under the machine handwheel. Mounting of the motor to the right provides maximum space under machine for the operator.

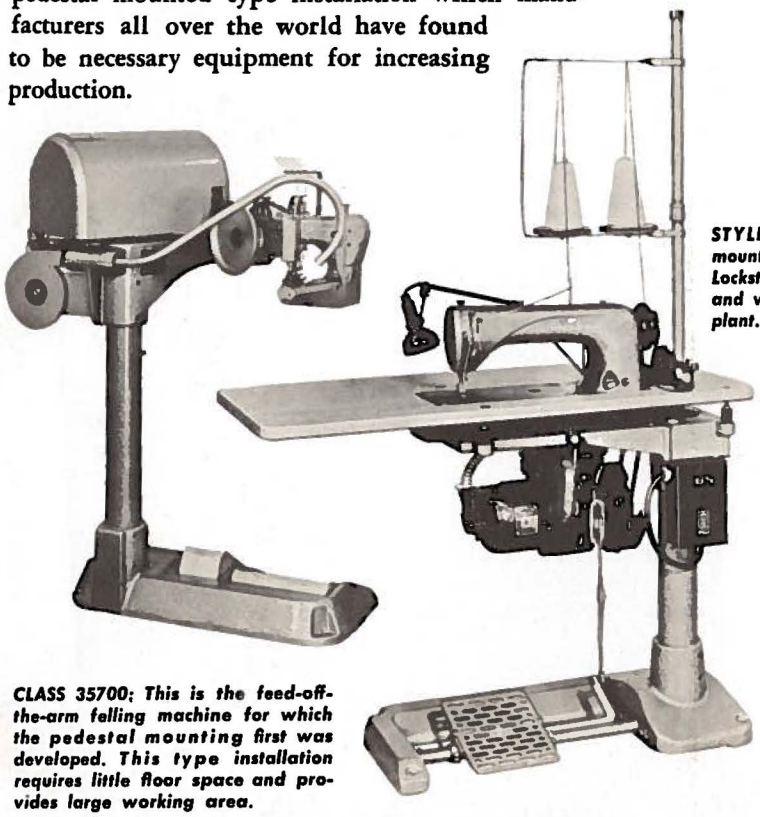
These new pedestals offer maximum flexibility, convenience, and adaptability to production lines, especially where variations in operation or garment styles are necessary from time to time. The foot treadles are adjustable laterally and the machine mounting bracket is adjustable vertically to suit the individual operator and to provide the most comfortable working position, thus reducing fatigue. The illustrations shown here are just a few of the many styles of machines that Union Special has to offer in the pedestal mounted type installation which manufacturers all over the world have found to be necessary equipment for increasing production.



STYLE 52900 BH: For simultaneously seaming and overedging the inseams and outseams of corduroy pants and similar articles.

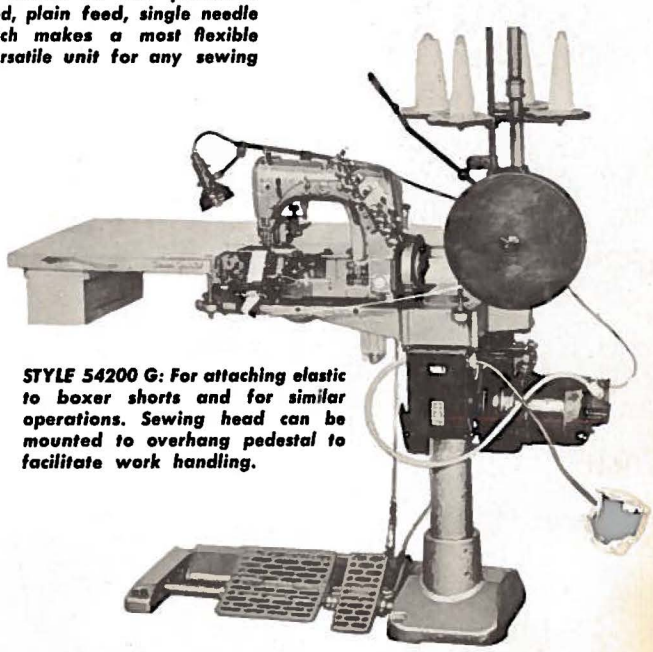


STYLE 54200 K: With sewing head overhanging pedestal, this new unit is ideally suited to pants and overall banding.



CLASS 35700: This is the feed-off-the-arm felling machine for which the pedestal mounting first was developed. This type installation requires little floor space and provides large working area.

STYLE 61400 A: The pedestal mounted, plain feed, single needle Lockstitch makes a most flexible and versatile unit for any sewing plant.



STYLE 54200 G: For attaching elastic to boxer shorts and for similar operations. Sewing head can be mounted to overhang pedestal to facilitate work handling.