

# SERVICE MANUAL

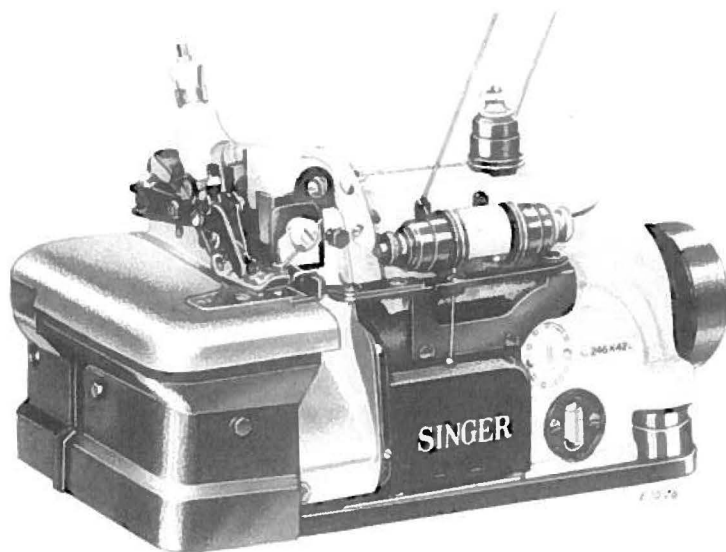
## AND PARTS LIST

FOR

# SINGER<sup>\*</sup>

## OVEREDGING MACHINES

### 246k42, 246k43 and 246k45



**Machine 246K42**

**CAUTION**—See that machine reservoir is filled with oil, as instructed on **page 6** before using machine.

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## DESCRIPTION

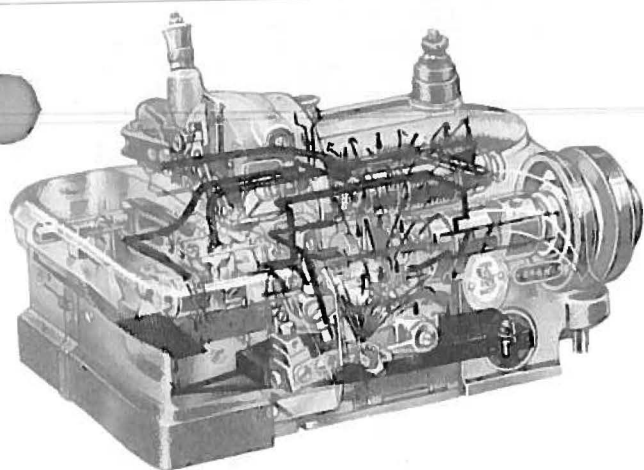


Fig. 2. X-ray View of Class 246K Machine  
(Lubricating System Shown in Solid Black)

**Machines 246K42, 246K43 and 246K45** produce high speed overedging and simultaneous trimming on materials ranging from lace to canvas.

Available for **single needle** operations, these powerful but compact machines are capable of producing three different overedge stitches. **Stitch Types 503, 504 and 505.**

Adaptable for gathering, stretching or feeding work uniformly, these machines of **Class 246K** have proven themselves in an almost endless list of overedge operations including serging, intermittent gathering, ruffling, binding, scalloping, cuffing, side-seaming, yoking, closing, cording, welting and inserting.

### GENERAL CHARACTERISTICS

#### Curved needles:

Catalogue #1265 (151 x 7) regular,

Catalogue #1263 (151 x 3) tapered blade.

**Loopers** (or looper and spreader) independently driven, permitting variations in their adjustment in relation to each other and to the needle, to suit the work required.

**Either left or right twist of thread** may be used in needle and in loopers.

**Adjustable trimmer** cuts cleanly; operating in advance of needles. Trimmings guided into chip chute to avoid interference with work and with mechanism.

**Presser foot** can be swung toward left to facilitate threading or replacement of needle.

**Tubular operation** is accommodated by a small "horn" extension of the throat plate support.

**Cloth plate** can be swung to the left for convenience, when stitching tubular pieces or when making machine adjustments.

**Fittings for Machine 246K42** are designed to retain control of thread-chain as long as presser foot is engaged with feed dog, enabling operator to break the thread chain manually, without losing control of chain or distorting the thread loops.

**Splash lubricating system**, shown in Fig. 2, automatically and continuously oils principal bearings during operation.

**Oil cooling reservoir** in rear of machine.

**Oil level indicator gauge** in direct view of operator.

Oil recommended, see inside front cover.

**Machine pulley 164231** for 3/8 inch V-belt; also used for 5/16 inch round belt.

**Machine pulley should always turn over away from operator** when machine is in motion.

### ACCESSORIES AND TOOLS

**Foot lifter.** Knee lifter supplied instead, when specified on order.

**Threading wire 164196.**

**Tweezers 164204.**

**Socket wrench 164197** (for needle clamping nut).

**Flat, open-end wrench 10875** (for feed eccentric nut).

**Screwdriver 85318.**

**Wrench 164831** (for right looper carrier guide bar oil plug screw nut).

**Thread unwinder 151031** (for two- or three-thread).

**Thread unwinder 228705** (two-thread) or **228706** (three-thread) for nylon threads will be supplied instead of regular unwinder, upon specific order.



## SPECIAL FEATURES

### Machine 246K42

- ... pants serging
- ... light and medium weight fabrics
- ... drop feed
- ... one needle, one looper, one spreader
- ... two-thread serging stitch (Stitch Type #503, shown in Fig. 3). See page 12 for instructions on threading.
- ... trimmer adjustable to cut 1/16 inch to 1/4 inch from needle
- ... bight limit, 1/16 inch to 7/32 inch
- ... feed eccentric 164915, bronze, regularly supplied for 5 stitches to the inch.
- ... maximum speed 6000 stitches per minute

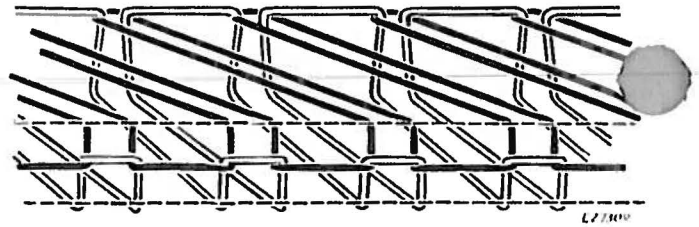


Fig. 3 Stitch Formation (Stitch Type #503)

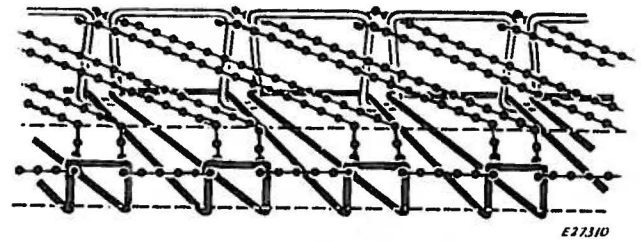


Fig. 4. Stitch Formation (Stitch Type #504)

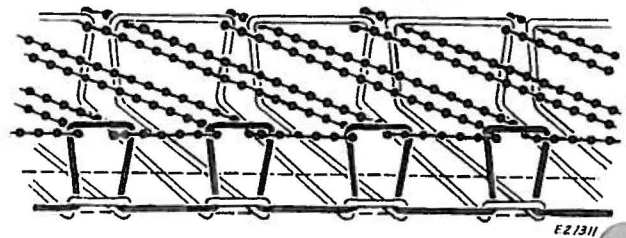


Fig. 5. Stitch Formation (Stitch Type #505)

### Machine 246K43

- ... general overedging; gathering, stretching or uniform feeding
- ... light and medium weight fabrics
- ... differential feed
- ... one needle, two loopers
- ... three-thread tight needle thread stitch (Stitch Type #504 shown in Fig. 4). See pages 10 and 11 for instructions on threading.
- ... machine is frequently fitted to produce the three-thread purl-on-the-edge stitch (Stitch Type #505 shown in Fig. 5), upon specific order. See page 11 for instructions on threading.

- ... trimmer adjustable to cut 1/16 to 1/4 inch from needle
- ... bight limit, 1/16 inch to 7/32 inch
- ... two feed eccentrics 164915, bronze, regularly supplied for 14 stitches to the inch
- ... maximum speed, 6000 stitches per minute

### Machine 246K45

Similar to Machine 246K43, except—

- ... more looper stroke, higher feed lift, higher knife stroke
- ... adapted for medium and medium-heavy weight fabrics
- ... trimmer adjustable to cut 1/8 to 1/4 inch from needle
- ... bight limit, 1/8 inch to 1/4 inch
- ... Maximum speed 5500 stitches per minute



## INSTALLATION OF MACHINE AND BASE ON TABLE

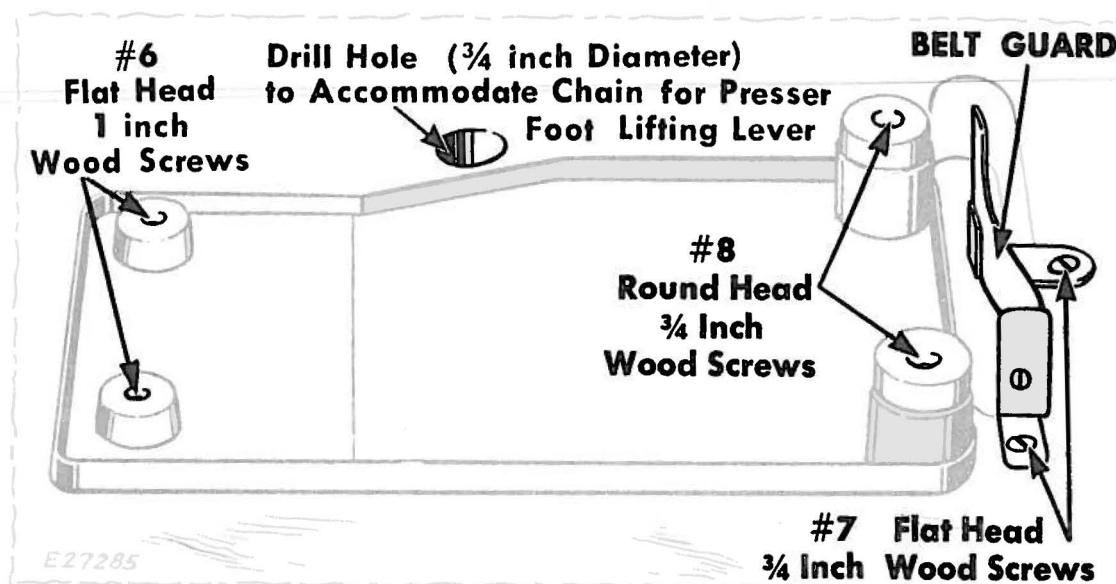


Fig. 6. Machine Base on Table, Showing Position and Drill Sizes of Holes Required for Installation

Place machine and base on table top with belt groove of machine pulley in line with belt groove of driving pulley.

Spot position of hole behind machine base, directly below chain slot on presser foot lifting lever.

Remove machine from base. Draw outline of machine base in position on top of table.

Drill hole spotted earlier,  $\frac{3}{4}$  inch in diameter, to accommodate chain.

Using base and belt guard as template, spot and drill six holes in table for wood screws, as shown in Fig. 6.

Fasten machine base and belt guard to table with the six wood screws, described in Fig. 6.

Set machine on rubber cushions at four corners of base.

**FOOT LIFTER:** As the stand recommended for **Class 246K Machines** with foot lifter includes a suitable foot lifter treadle, foot lifter chain **6439**, without the treadle, will be sent with the machine. If, however, the machine is fitted to a stand or other equipment which does not have a suitable treadle, orders should state that foot lifter treadle **4885** is required and it will also be supplied, without extra charge.

### CAUTION

All of the oil is drained from the machine before it is shipped from the factory.

**DO NOT START THE MACHINE UNTIL IT HAS BEEN THOROUGHLY LUBRICATED AS INSTRUCTED ON PAGE 6.**

## LUBRICATION

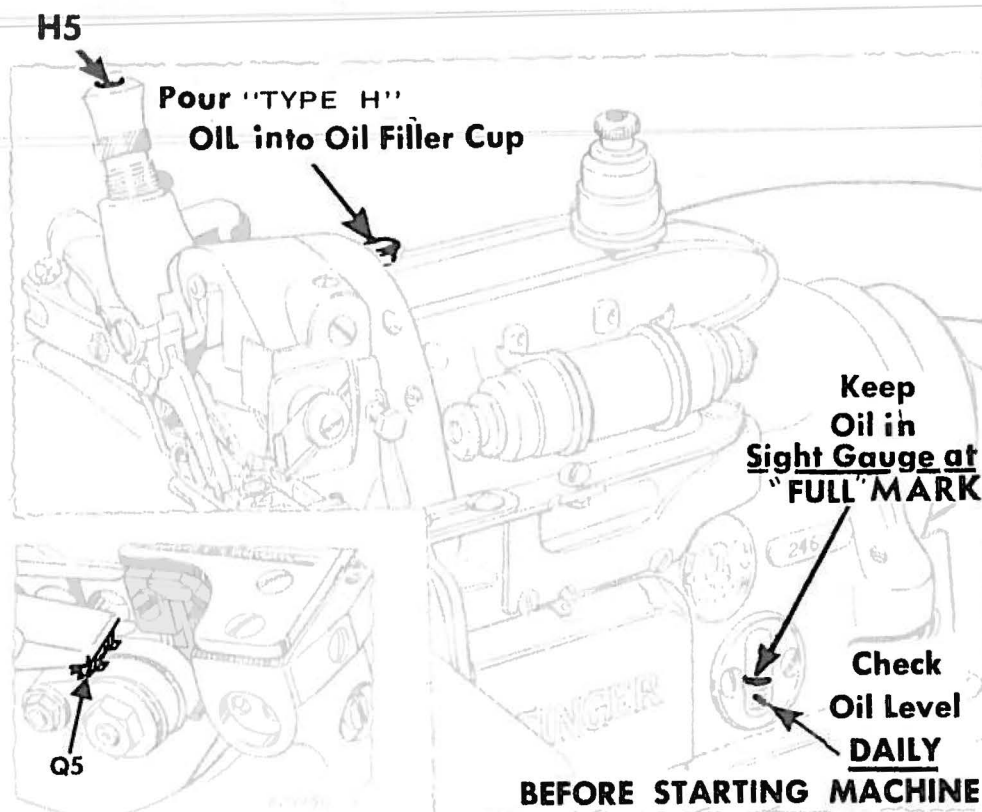


Fig. 7. Filling Oil Reservoir

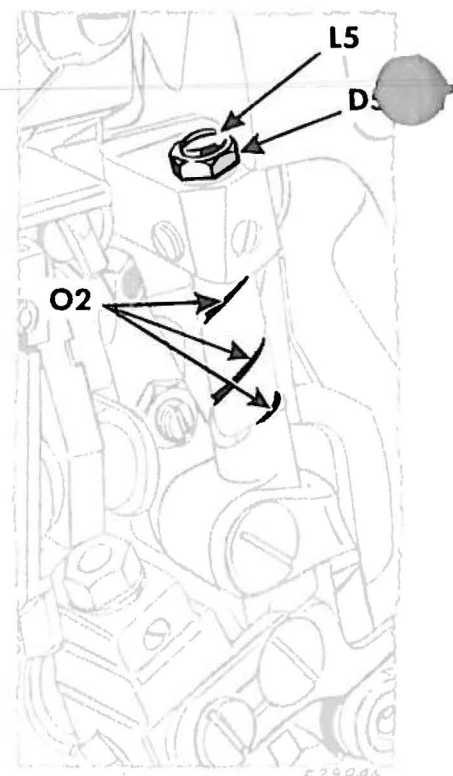


Fig. 8. Oil Flow Adjustment

Use "TYPE H" OIL, sold by Singer Sewing Machine Company.

Apply this oil to oil filler cup on top of machine, pouring oil into reservoir until oil in the sight gauge is at "FULL" mark, as indicated in Fig. 7.

Check oil sight gauge daily before starting machine and oil machine, when necessary, as instructed in Fig. 7 above.

**WHEN A MACHINE HAS BEEN IDLE FOR A CONSIDERABLE TIME (OR AFTER A MAJOR INSTALLATION OF PARTS).** Clean the machine thoroughly. Then apply a few drops of oil to oil grooves of feed bar connections Q5 (see inset at bottom left of Fig. 7) and to looper carrier connection guide bar at O2, Fig. 8 behind upper knife carrier and chip guard. Apply a drop of oil to presser bar at H5, Fig. 7. Check oil level in reservoir, as instructed in Fig. 7.

### AFTER MACHINE IS INSTALLED AND BEFORE STARTING THE MACHINE:

Remove the chip guard from the front of the machine.

Check the oil flow on right hand looper carrier connection guide bar at O2, Fig. 8.

To adjust amount of oil flow on guide bar at O2, loosen lock nut D5 and turn adjusting screw L5, Fig. 8 clockwise as far as possible. Oil flow is now shut off, completely.

Back off screw L5 (turning screw anti-clockwise) 1/2 turn. Check lubrication again.

To increase oil flow, turn screw L5 anti-clockwise a small amount and recheck lubrication.

If oil flow is too great turn screw L5 clockwise about 1/4 turn and recheck.

**Never operate machine when oil flow is SHUT OFF at L5.**

When correct oil flow is obtained, lock the nut D5, Fig. 8. Replace the chip guard.

Remove belt and check freeness of machine by turning machine pulley by hand. Replace belt.

Finally, "run-in" the machine for approximately 15 minutes at a moderate speed.



## SPEED

MACHINE	MAXIMUM SPEED† (Stitches per minute)	Speed recommended for Long Runs or while sewing long stitches
246K42	6000	5500
246K43	6000	5500
246K45	5500	5000

†Maximum efficient speed is dependent upon the ability of the operator, the nature of the operation and the type of material being sewn.

It is advisable to operate these machines at more moderate speeds the first few days, after which they can be run at top speed.

When the machine is in operation, top of machine pulley must always turn over away from operator.

## NEEDLES AND THREAD

Needles are of curved blade, Catalogue #1265 (151 x 7) regular, in sizes 9 to 12, 14, 16, 18, 19 and 21. Needles of Catalogue #1263 (151 x 3) with tapered blade, in sizes 5, 6, 7, 9 and 11 are available.

**Selection of needles** can make a great difference in the ease and quality of the work. It is important that each needle be just right for machine, thread and work being done.

**Choose your needle carefully.** The correct size will permit thread to pass freely through needle eye; avoiding strain and breakage of thread.

Either right twist or left twist thread may be used.

### If trouble occurs during sewing:

Inspect needle point. A hook or burr may cause poor stitching or some materials may be cut when short stitches are used.

**Check curvature of each needle**, as instructed below. Unless the needle has the correct curvature, it may cause skipping of stitches.

Orders for needles must specify the Quantity required, the Size number, also the Catalogue number . . .

For example . . .

"100 Size 9, Catalogue #1265 (151 x 7) Needles."

The best stitching results will be obtained when using needles sold by Singer Sewing Machine Company.

## CURVATURE OF NEEDLE BLADE

(Gauge 164588, for needles of Sizes 7 to 16 only)

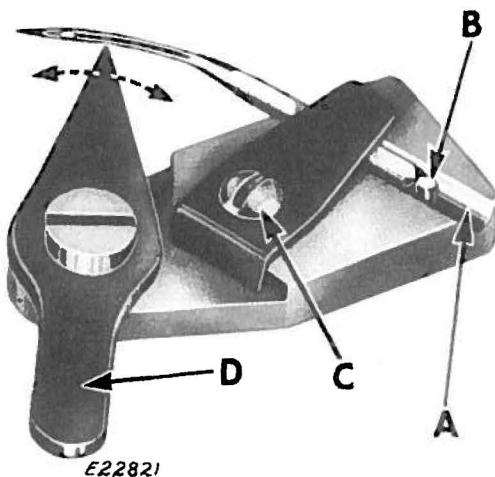


Fig. 9. Checking Needle Curvature

**Before making any stitching adjustments**, the curvature of each needle blade should be checked in the following manner:

Using Gauge 164588, shown in Fig. 9, insert shank of needle, with its **flat side up**, in the groove A. Push the needle along the groove as far as it will go against stop B. Tighten clamping screw C.

Swing the indicator D, slowly to and fro, along the curve of the needle blade, observing the distance between the needle blade and the tip of the indicator.

The tip of the indicator should just make contact at the needle eye and should clear needle blade, at upper end of curve, by approximately .005 to .006 inch. Use feeler gauge.

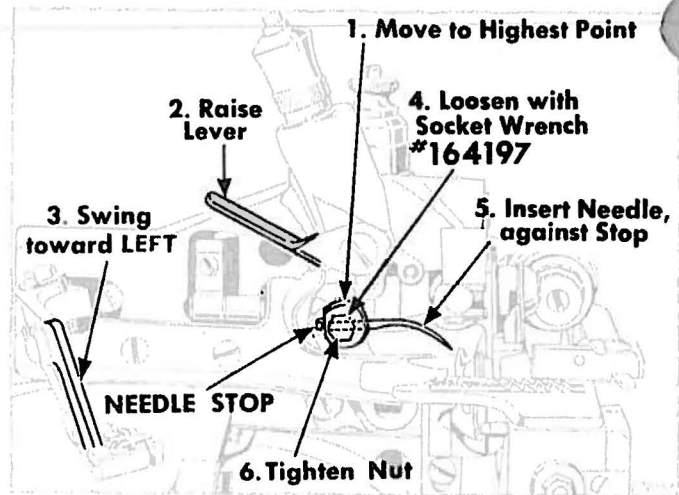
**Reject any needle that cannot pass this test.**

## SETTING THE NEEDLE

Move needle clamp up to its **highest** position.

Insert needle, as instructed in **Steps 1 to 5** in **Fig. 10**.

When needle is correctly inserted in needle clamp, securely tighten needle clamping nut. (See **Step 6, Fig. 10**.)



**Fig. 10. Needle Correctly Set in Needle Clamp**

## PREPARATION FOR THREADING

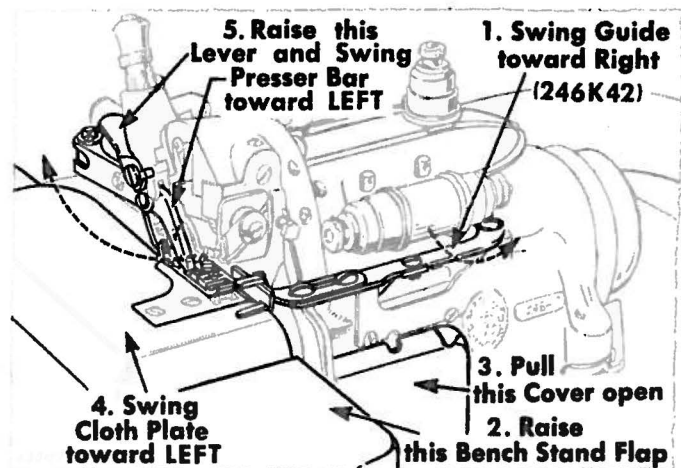
For convenience in threading . . .

. . . **Machine 246K42:** Swing edge guide out of position, as instructed in **Step 1, Fig. 11**.

. . . **All Machines:** . . . Raise bench stand flap and open front cover plate.

. . . Swing cloth plate toward left.

. . . Release presser bar as instructed in **Step 5, Fig. 11** and swing presser bar toward left.

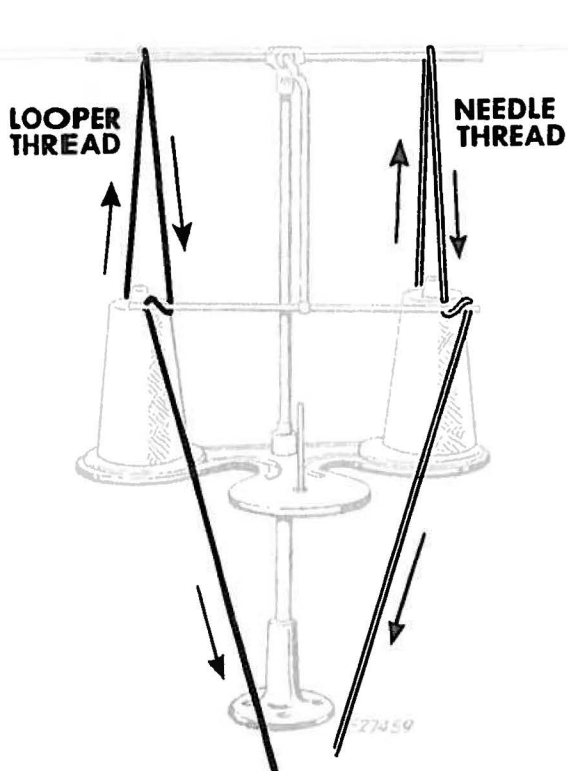


**Fig. 11. Preparation for Threading**

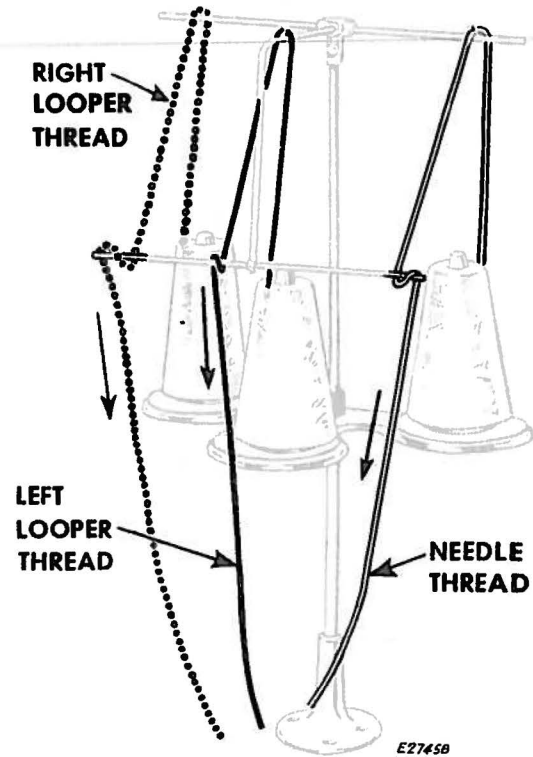


## TO THREAD UNWINDER

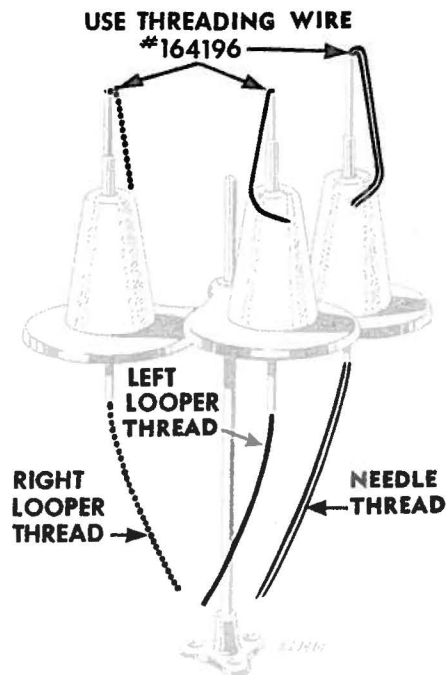
Select the unwinder suitable for the type of stitch and work to be accomplished.



**Fig. 12. Unwinder 151031 Threaded for Two-Thread Stitch**

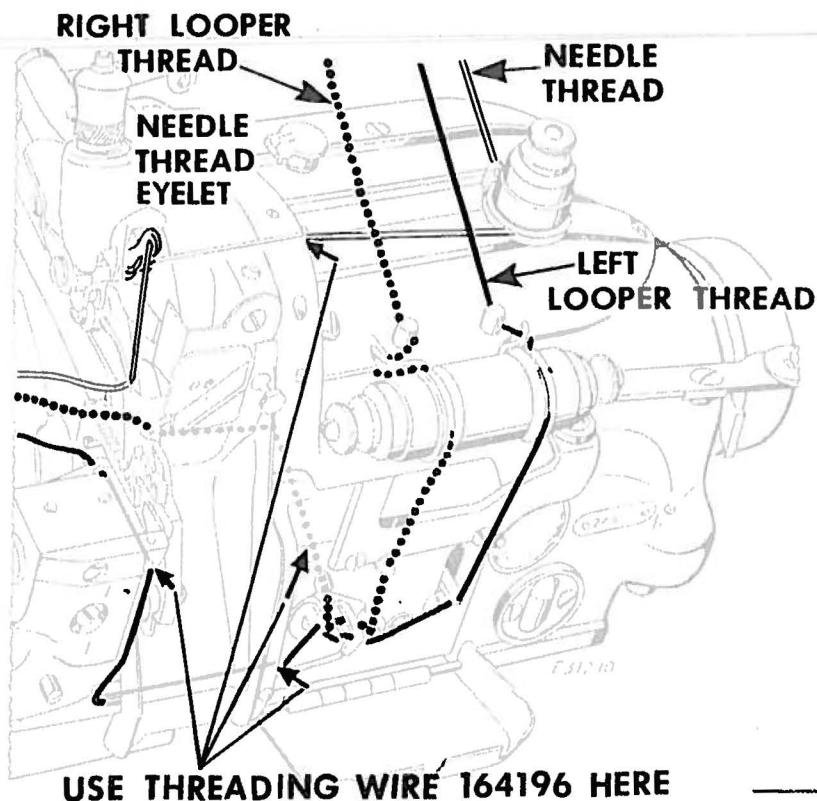


**Fig. 13. Unwinder 151031 Threaded for Three-Thread Stitch**



**Fig. 14. Unwinder 228706 (for Nylon Thread) Threaded for Three-Thread Stitch**

**TO THREAD THE MACHINE**  
**FOR THREE-THREAD TIGHT NEEDLE THREAD STITCH (TYPE #504)**  
 (Regular for Machines 246K43 and 246K45)



**Fig. 15. Threading the Machine**  
 (Three-thread Tight Stitch)

Machine should be equipped with needle thread controller 164151, Fig. 33, page 18, looper thread take-up 164175 and looper thread stripper-and-take-up 164091, shown in Fig. 19.

Pass each thread through threading points as shown in Figs. 15, 16 and 19.

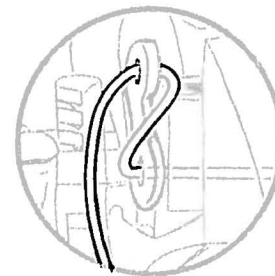
**IMPORTANT:**

Thread the **needle thread (double line)** completely **first**.

Thread **right** looper thread (**dotted line**) completely **next**.

Thread the **left** looper thread (**solid line**) **last**.

Use threading wire 164196, shown in Fig. 17, to pass threads through threading tubes, at points



**Fig. 16. Threading Needle Thread Eyelet**  
 (Tight Stitch)



**Fig. 17. Threading Wire 164196**

indicated in Fig. 15. Draw four or more inches of thread through eyelet in threading wire and pass threaded wire through required threading tube.

**NEEDLE THREAD:** Before passing needle thread (see **double line**) through its threading tube, turn machine pulley over toward you until needle is at its **lowest position**.

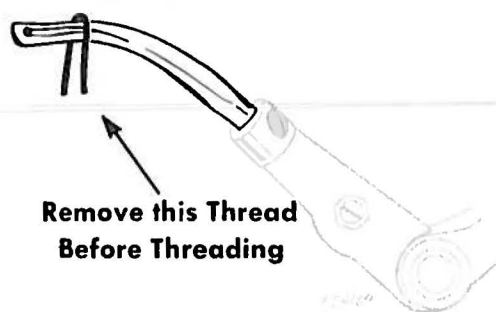
Observe the correct position and method of threading needle thread eyelet as shown in Fig. 16.

After threading needle thread eyelet, raise needle to its highest position and pass the thread from front to rear through needle eye.

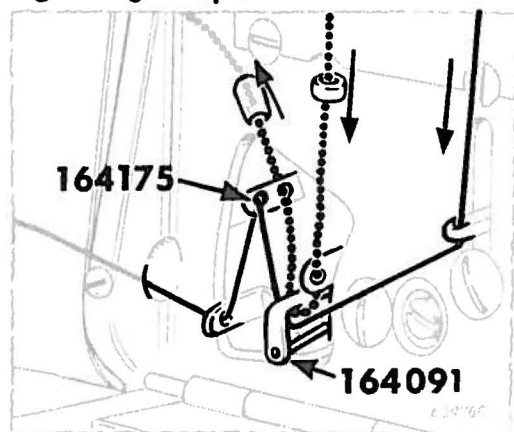
When threading needle, double back the end of the thread and twist it; making thread stiff enough to thread the needle eye easily.



## TO THREAD THE MACHINE FOR THREE-THREAD TIGHT NEEDLE THREAD STITCH (CONTINUED)



**Fig. 18. Right Looper**



**Fig. 19. Threading Looper Take-up  
(Three-thread Tight Stitch)**

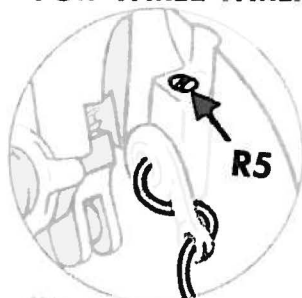
**LOOPER THREADS:** Before threading left looper, turn machine pulley over from you until the eye of left looper is directly in line with the threading tube underneath throat plate.

Pass each looper thread through its threading points, as shown in Figs. 15 and 19.

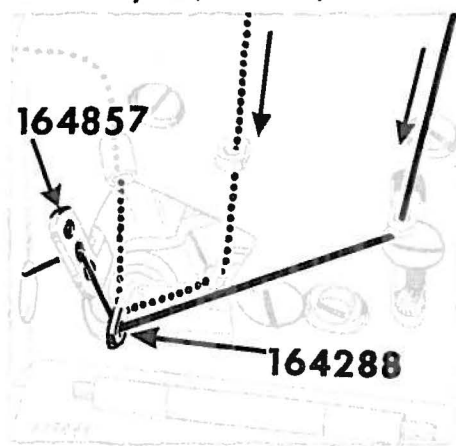
When threading right looper, be sure that there is no loose loop of thread on end of looper (see Fig. 18) to cause thread breakage.

Draw about two inches of thread through needle eye and through each looper eye, with which to start sewing.

## TO THREAD THE MACHINE FOR THREE-THREAD PURL-ON-THE-EDGE STITCH (TYPE #505)



**Fig. 20. Threading Needle Thread  
Eyelet (Purl Stitch)**



**Fig. 21. Threading Looper Take-up  
(Purl-on-the-Edge Stitch)**

Machine should be equipped with left and right loopers, with needle thread controller 164381, Fig. 34, page 18, and with take-up parts 164857 and 164288, shown in Fig. 21.

Needle thread eyelet, shown in Fig. 20, may be raised or lowered, as required. To change position of eyelet, loosen screw R5, Fig. 20, move eyelet to desired position and securely retighten screw R5.

The machine is threaded for three-thread purl-on-the-edge stitch in the same manner as for three-thread tight stitch (see Fig. 15 and instructions on page 10) with the following exceptions:

The needle thread eyelet must be threaded as shown in Fig. 20.

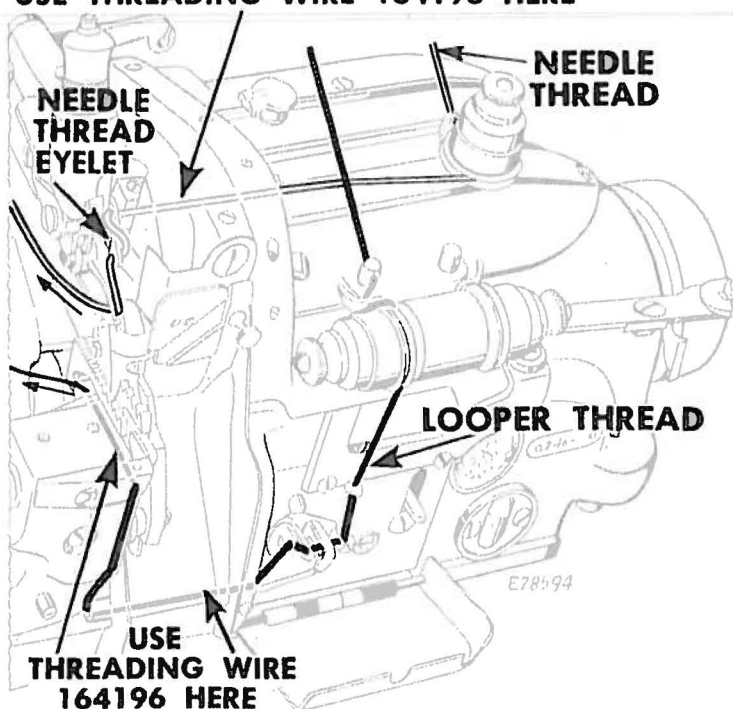
The looper thread take-up must be threaded as shown in Fig. 21.

# TO THREAD THE MACHINE

## FOR TWO THREAD STITCH (TYPES #502 AND #503)

(Stitch Type #503, Regular for Machine 246K42)

**USE THREADING WIRE 164196 HERE**



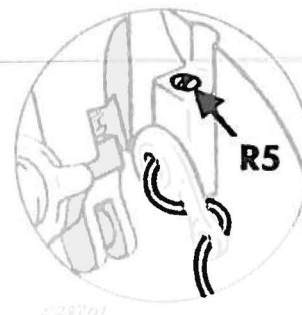
**Fig. 22. Threading the Machine (Two-Thread Stitch)**

Machine should be equipped with needle thread controller 164381, Fig. 34, page 18, and with looper thread take-up 164175 and looper thread stripper-and-take-up 164091, shown in Fig. 25.

Needle thread eyelet, shown in Fig. 23, may be raised or lowered, as required. To change the position of the eyelet, loosen screw R5, Fig. 23, move eyelet to desired position and securely re-tighten screw R5.

To thread the machine, pass each thread through threading points in the order shown in Figs. 22, 23 and 25. Double line indicates needle thread. Solid line indicates looper thread.

Use threading wire 164196, shown in Fig. 24, to pass threads through threading tubes, at points indicated in Fig. 22. Draw four or more inches of thread through eyelet in threading wire and pass threaded wire through required threading tube.



**Fig. 23. Threading Needle Thread Eyelet**

**Fig. 24. Threading Wire 164196**



**Fig. 25. Threading Looper Take-up**

**NEEDLE THREAD:** Before passing needle thread through its threading tube, turn machine pulley over away from you until needle is at its **lowest position**.

Note method of threading needle thread eyelet as shown in Fig. 23.

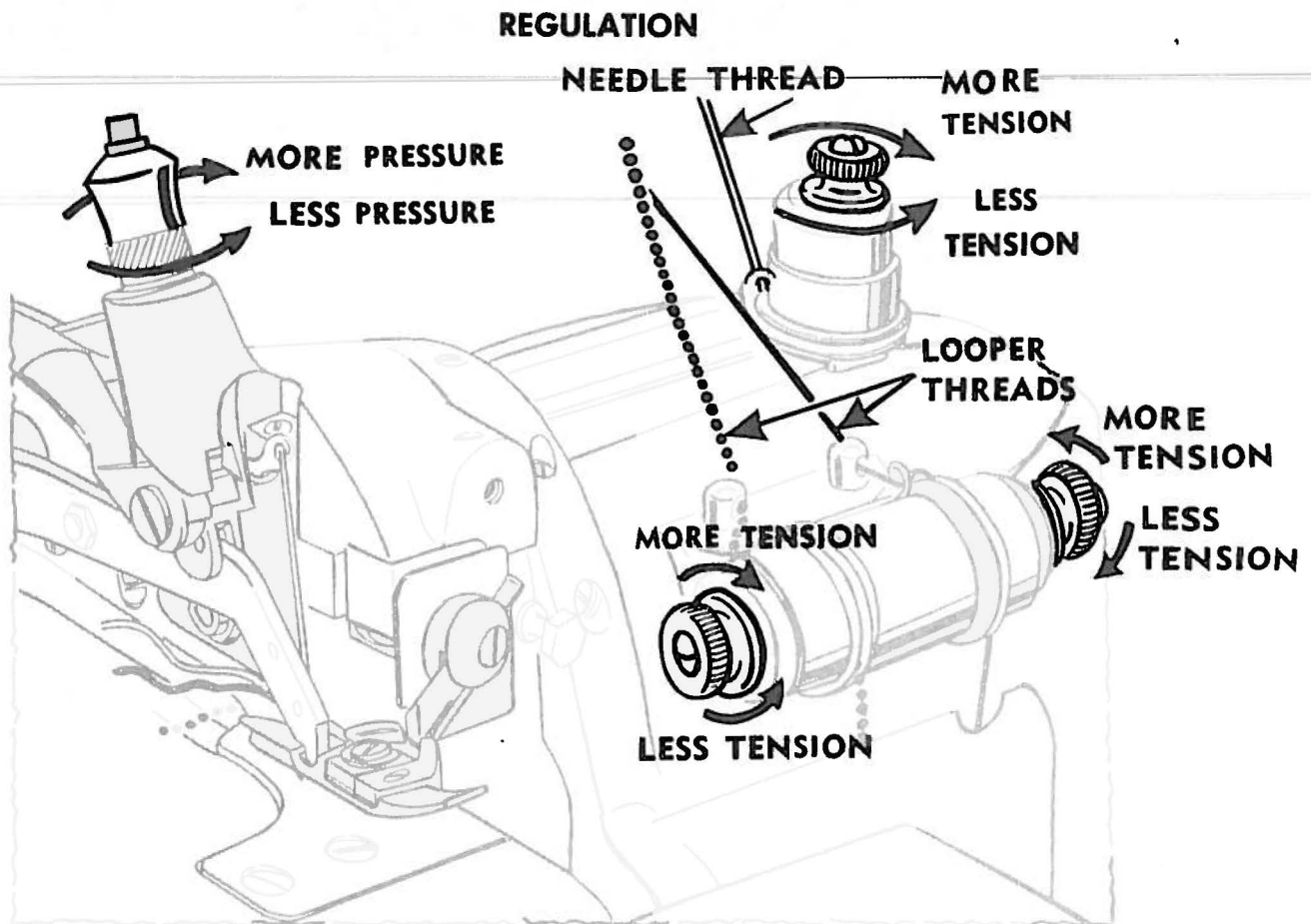
After threading needle thread eyelet, raise needle to its highest position and pass thread from front to rear through needle eye.

**LOOPER THREAD:** Before threading looper turn machine pulley over from you until **eye of looper is directly in line with threading tube underneath throat plate**.

Pass looper thread through threading points, as shown in Figs. 22 and 25.

Draw about two inches of thread through needle eye and through looper eye, with which to start sewing.





**Fig. 26. Regulating Tension of Threads and Pressure of Presser Foot on Material**

### THREAD TENSIONS

**Tension on needle thread** should be just sufficient to set stitch correctly. (See Figs. 3 to 5 on page 4 for correct stitch formation.)

For average sewing, **tension on looper thread** should be **very light**.

**Regulate thread tensions** as instructed in Fig. 26.

### PRESSURE OF PRESSER FOOT

Correct pressure of presser foot helps feed the work properly.

Always use **lightest pressure possible**.

**Regulate the pressure of the presser foot on the material** as instructed in Fig. 26.

---

**NOTE:** The instructions on the following pages are for Service Representatives.

To insure proper timing and avoid unnecessary repetition, these instructions should be followed in the order given.

## EDGE GUIDE (SWING-OUT) MACHINE 246K42

Edge guide (swing-out) must be adjusted to conform to existing width of bight.

Loosen two screws **U**, Fig. 27 and move the guide **V** toward left at end of guide arm to suit narrower bight or toward right for wider bight.

Securely tighten both screws **U**.

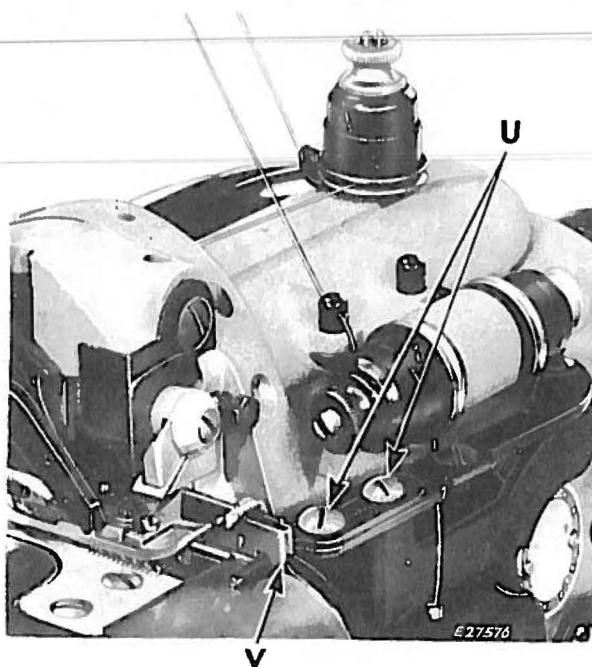


Fig. 27. Edge Guide on Machine 246K42

## FEED CONTROLS

**DROP FEED** (Regular on Machine 246K42) consists of a lower feed mechanism that moves above and below the throat plate. It is designed to carry the material evenly toward the needle before stitching and away from the needle after it is stitched. Stitch length can be controlled as instructed at right and on page 15.

**DIFFERENTIAL FEED** (Regular on Machines 246K43 and 246K45) consists of two feed dogs **R** and **T**, Fig. 29, page 15, independently actuated by two feed eccentrics. The inner feed eccentric (which is placed on the shaft first) controls the movement of the front feed dog **T**. The outer feed eccentric (which is placed on the shaft last) controls the movement of the rear feed dog **R**.

### FEED ECCENTRIC CHART:

MACHINE	ECCENTRICS REGULARLY FURNISHED		TYPE OF FEED
	Quantity	Stitches to the inch	
246K42	one	5	Drop
246K43 and 246K45	two	14	Differential

## TO CONTROL LENGTH OF STITCH

The length of stitch is determined by the feed eccentrics in use.

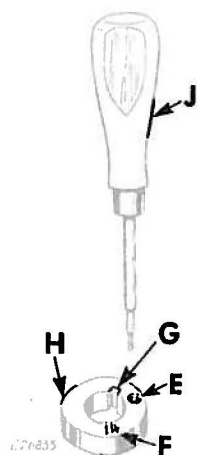
Each feed eccentric is marked with the number of stitches it makes, as shown at **F**, Figs. 28 and 29.

Feed Eccentrics **164915**, bronze, can be supplied to make 4 to 16, 18, 20, 22, 24, 28, 32, 36, 40, 45, 50, 60, 70, 80 and 100 stitches to the inch.

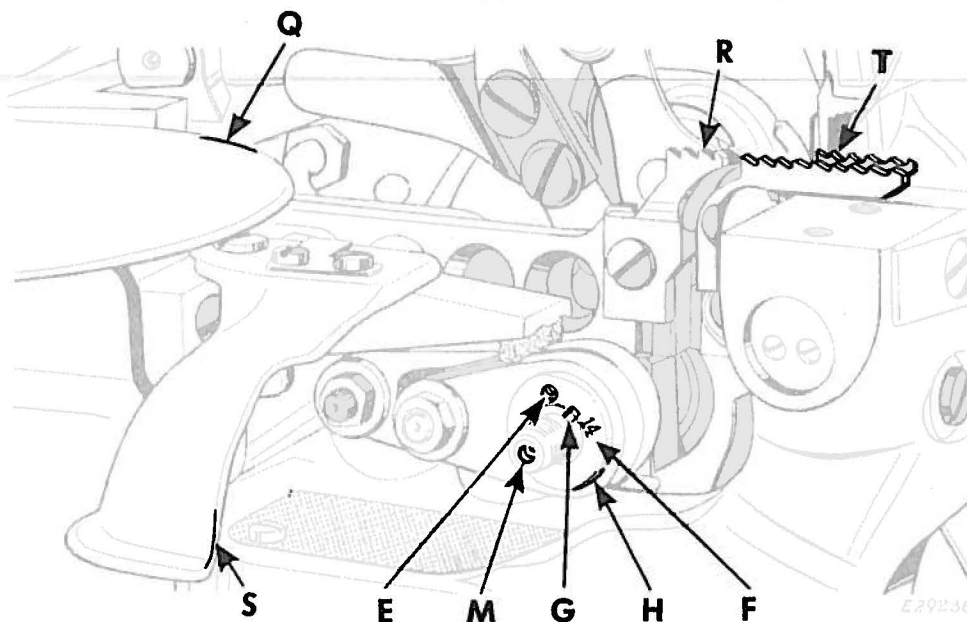
Unless otherwise ordered feed eccentrics will be supplied according to chart at bottom of this page.

To feed the work evenly (on Machines 246K43 and 246K45)—use two feed eccentrics marked for the same stitch length.

## TO CONTROL LENGTH OF STITCH (CONTINUED)



**Fig. 28. Feed Eccentric Extractor 164203 and Eccentric 164915, bronze**



**Fig. 29. Changing Length of Stitch**

**To gather...**for front feed dog use feed eccentric that is marked for **longer** stitch length than that used for rear feed dog. Place eccentric that is marked for **longer** stitch length on shaft **first**.

**To stretch the material while sewing...**for front feed dog use feed eccentric that is marked for a **shorter** stitch length than that used for rear feed dog. Place eccentric marked for **shorter** stitch length on shaft **first**.

**Machine 246K42:** Since only one eccentric is required on these machines, the outer roller is **NOT AN ECCENTRIC** but merely a spacer—listed as feed bar guide roller **164277**. The inner roller **164915** is the only eccentric. It alone determines the stitch length on these machines.

**All Machines:** Pull gently with extractor **J** to remove outer roller or eccentric **H**. Inner eccentric can then be removed in the same manner.

### REMOVING FEED ECCENTRICS:

Swing cloth plate **Q**, presser bar and feed eccentric cover **S**, **Fig. 29** out to the left.

Using Wrench **10875**, remove the hexagon head nut and washer from the shaft **M**, **Fig. 29**.

Screw feed eccentric extractor **J**, **Fig. 28** into threaded hole **E** of outer eccentric **H**.

### INSTALLING FEED ECCENTRICS:

When replacing each feed eccentric, be sure that the stamped number is on **outside** face of eccentric, as shown at **F**, **Fig. 29**.

The keyway on the eccentric should fit over key at **G** on shaft **M**, **Fig. 29**. Line up front and back feed bars and install eccentrics. When the feed eccentrics are in position, replace the washer and hexagon head nut and screw and the hexagon head nut securely on the shaft **M**.



## TO SET THE FEED DOGS AT THE CORRECT HEIGHT

Using Gauge 164592 for Machines 246K42 and 246K43  
and Gauge 164460 for Machine 246K45  
(See Fig. 30)

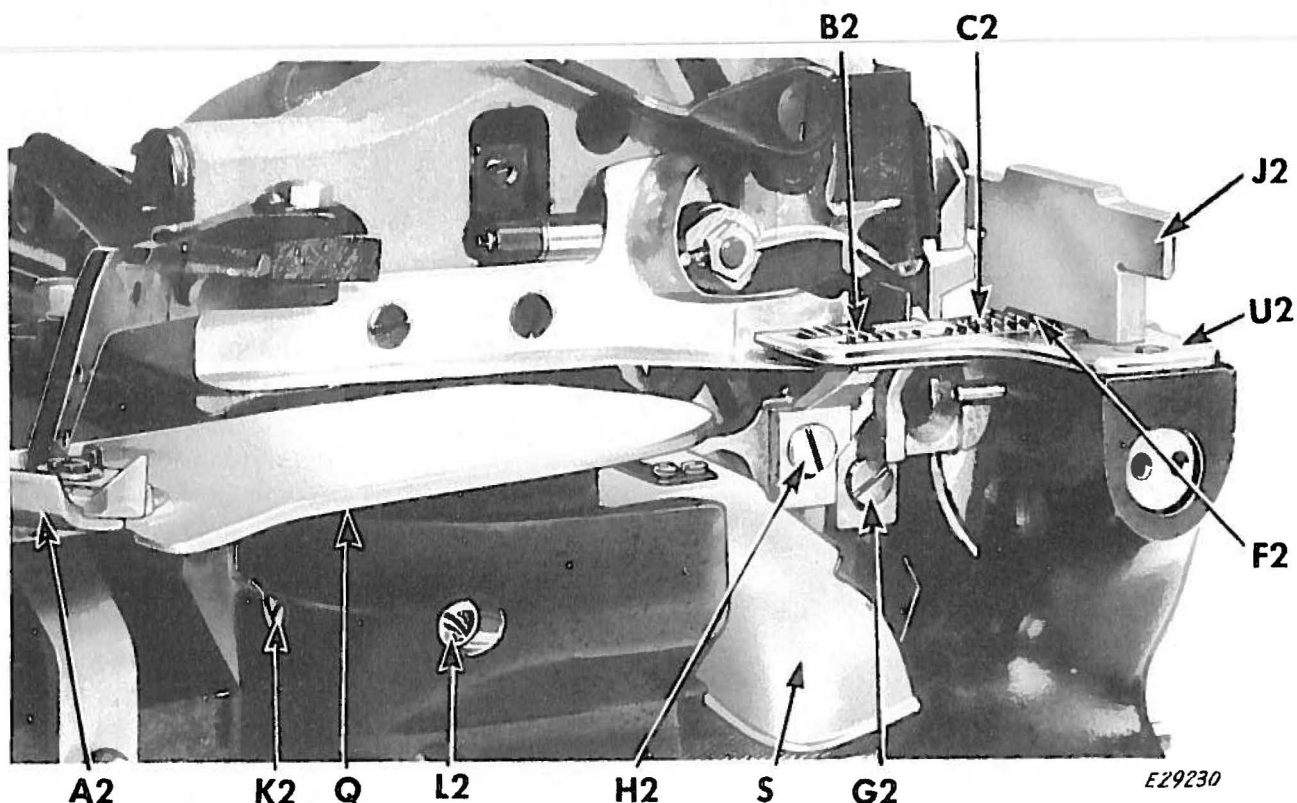


Fig. 30. Setting the Feed Dog

### CHECKING HEIGHT OF FEED DOGS:

Swing the presser foot **A2** out to the left, and turn the machine pulley over from you until the feed dogs are at their highest position.

Place the gauge **J2**, over the front feed dog, as shown in Fig. 30. Gauge **J2**, Fig. 30 must rest firmly upon the throat plate **U2**. At this setting, front feed dog should just touch the bottom face **F2** of the gauge.

Set rear feed dog at the same height as the front feed dog.

### ADJUSTMENT:

Swing the cloth plate **Q** and the feed eccentric cover **S** out to the left.

Loosen the adjusting screw **G2** and raise or lower the front feed dog **C2**, as required. Then tighten screw **G2**.

Loosen the adjusting screw **H2** and raise or lower the rear feed dog **B2**, as required. Then tighten screw **H2**.

Machine 246K42 has only one feed dog which may be adjusted after swinging edge guide **V**, Fig. 27, page 14 out toward the right and loosening screw **G2**, Fig. 30.

### TO TILT THE FEED

See Fig. 30

When it is desired to tilt the feed, first set it at the correct height as described above. Then loosen the hinge pin set screw **K2** at the rear of the machine just  $\frac{1}{2}$  turn.

To tilt the feed **up in the rear and down in the front** of the needle, slowly turn the hinge pin **L2** **over toward the rear** of the machine, until the desired amount of tilt is obtained.

To tilt the feed **down in the rear and up in the front** of the needle, slowly turn the hinge pin **L2** **over toward the front** of the machine until the desired amount of tilt is obtained. Then tighten the screw **K2**.

## TO SET THE NEEDLE CLAMP AT THE CORRECT HEIGHT

Using Gauge 164592 for Machines 246K42 and 246K43  
and Gauge 164460 for Machine 246K45  
(See Figs. 31 and 32)

### CHECKING HEIGHT OF NEEDLE CLAMP:

Turn the machine pulley over from you until the needle clamp **R2** reaches its highest position.

Swing the presser foot and cloth plate out to the left.

Remove the needle and the throat plate.

**On Machine 246K42:** Swing edge guide out to right. (See page 14.)

**On All Machines:** Turn the machine pulley over from you until the needle clamp **R2** reaches its lowest position.

Slip the "LOW" end of the gauge **J2** between the needle clamp and the throat plate seat **V2**, as shown in Fig. 31.

At this setting, the needle clamp **R2** should just touch the top surface **Q2** on the "LOW" end of the gauge **J2**.

**ALTERNATE CHECK:** In the absence of a gauge, the distance between bottom of needle clamp and top surface of throat plate seat, on all varieties of machines, should be set at .406 inch.

### ADJUSTMENT:

Remove the top frame cover and loosen the clamping screw **T2** and the two screws **P2** and **Y**, Fig. 32.

Raise or lower the needle clamp **R2**, Fig. 31, as required.

To secure the needle clamp in the correct position, first securely tighten the screw **T2**, then tighten the two screws **P2** and **Y**.

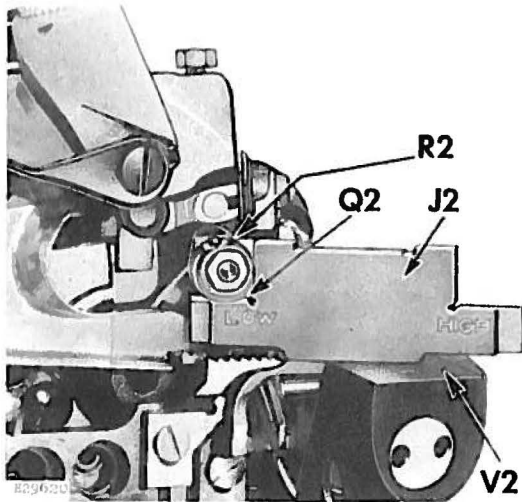


Fig. 31. Checking the Needle Clamp Height

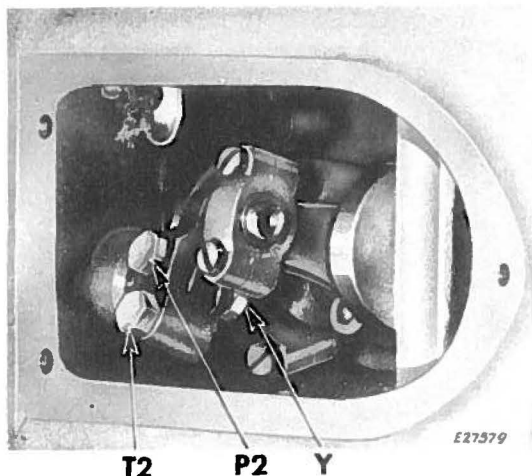


Fig. 32. Adjusting the Needle Clamp



## TO SET THE NEEDLE THREAD CONTROLLER

(See Figs. 33 and 34)

Needle Thread Controller 164151 (J3, Fig. 33) is used for **three-thread TIGHT** stitch.

Needle Thread Controller 164381 (J3, Fig. 34) is used for **two-thread** stitch and for **purl-on-the-edge** stitch.

### FUNCTION:

The needle thread controller J3 should aid in the setting of the stitch by **taking up the slack of needle thread** as the needle finishes its downward stroke; thus setting the stitch as the needle thread loop is shed from the loopers.

When needle is at its highest position, needle thread should run under clearance U3 of needle thread controller J3, shown in Fig. 33 or in fork U3 of controller J3, shown in Fig. 34.

**VARIATIONS:** The desired setting for needle thread controller may vary with changes in thread, special fittings or materials in use.

### ADJUSTMENT:

Swing presser bar A2 and cloth plate Q out to the left.

Remove screws X5 and oil splash guard Z5.

Turn machine pulley over away from operator until needle is at its highest position.

Loosen two screws V3 and move needle thread controller J3 **toward the front to tighten the stitch** or **toward the rear to loosen the stitch**, as required. Then tighten the two screws V3 and recheck the stitch setting.

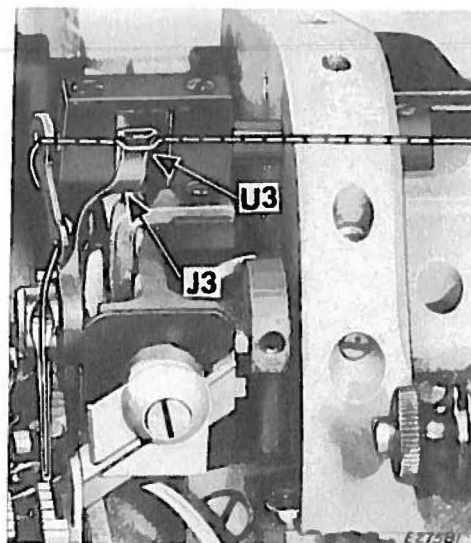


Fig. 33. Needle Thread Controller 164151 in Correct Relation to Needle Thread

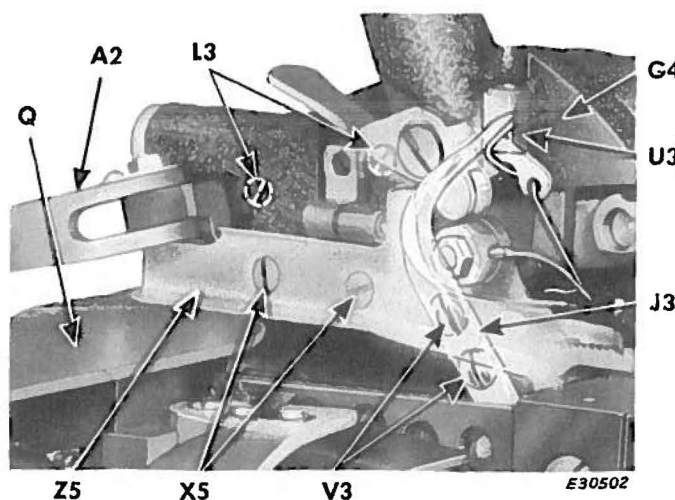


Fig. 34. Needle Thread Controller 164381 in Correct Relation to Needle Thread

Figs. 33 and 34 show the correct position of the needle thread as it passes the needle thread controller J3. To check this condition, remove two screws L3 and presser bar housing G4.

After making certain that needle thread is in the correct position, replace presser bar housing G4 and fasten with two screws L3.

Replace splash guard Z5 with two screws X5.



## TO SET THE LEFT LOOPER IN RELATION TO THE NEEDLE

Using Gauge 164592 on Machines 246K42 and 246K43  
and Gauge 164460 on Machine 246K45  
(See Figs. 35 and 36)

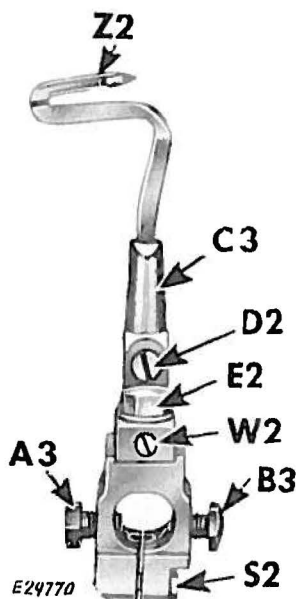


Fig. 35. Left Looper Assembly

### PREPARATION:

Check the needle with needle gauge 164588, as instructed on page 7.

Set the needle in the machine as instructed on page 8.

Remove throat plate and chip guard.

Loosen set screw D2, Fig. 35 in left looper holder C3.

Set left looper Z2 all the way down into its holder.

Securely tighten set screw D2.

### CHECKING LEFT TO RIGHT POSITION:

Place gauge J2 on throat plate seat V2 as shown in Fig. 36.

Turn machine pulley over away from you until needle clamp R2 reaches its lowest position and then rises sufficiently to permit "HIGH" end of gauge J2 (.422 inch) to pass between needle clamp R2 and throat plate seat, as shown in Fig. 36.

When needle clamp R2 just contacts top surface U4 of gauge, the tip of left looper Z2 should be between centre and left side of needle.

### SETTING LEFT TO RIGHT POSITION:

Loosen screw S2, Fig. 35. (This screw may not be present on some machines.)

To move left looper Z2 toward right, loosen A3 and carefully tighten screw B3 an equal amount, as required.

To move left looper Z2 toward left, loosen screw B3 and carefully tighten screw A3 an equal amount, as required.

Recheck setting. When correct setting is obtained securely tighten clamping screw S2.

### CHECKING FRONT TO REAR POSITION:

Turn machine pulley so that loopers move through one complete sewing cycle. Observe looper movement.

The left looper must rub lightly on the needle as it passes toward the right.

### SETTING FRONT TO REAR POSITION:

Turn machine pulley over away from you until point of looper Z2 just reaches needle.

Loosen screw E2 just enough to allow movement of looper holder C3.

Loosen set screw W2.

Move looper holder C3 toward rear of machine. Turn set screw W2 inward until proper relation between left looper and needle is obtained.

Securely tighten screw E2.

Replace throat plate and chip guard.

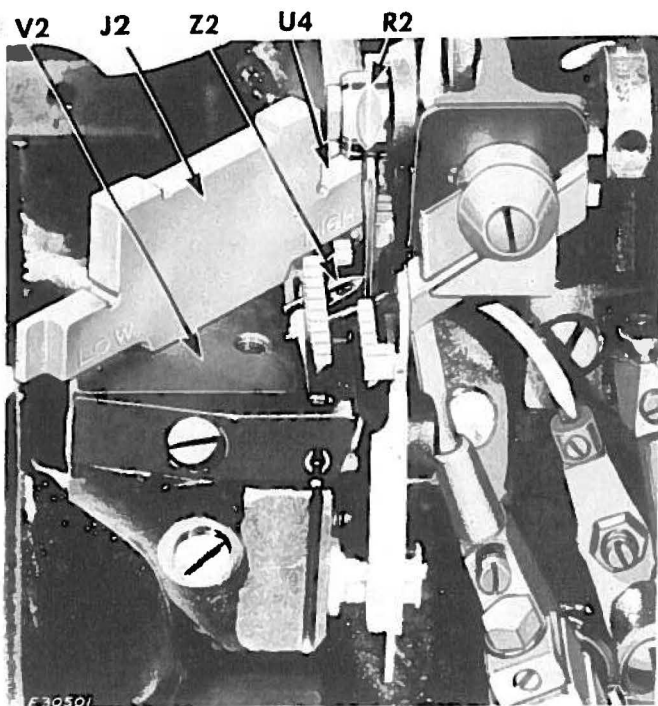
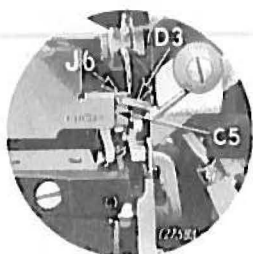


Fig. 36. Settings

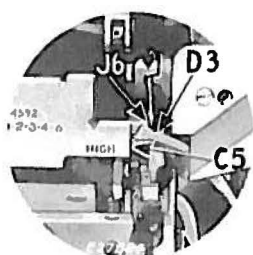
Machine 246K42 is regularly fitted with **ONLY** one looper (the "left" looper).

## TO SET THE RIGHT LOOPER OR THE SPREADER IN RELATION TO THE NEEDLE

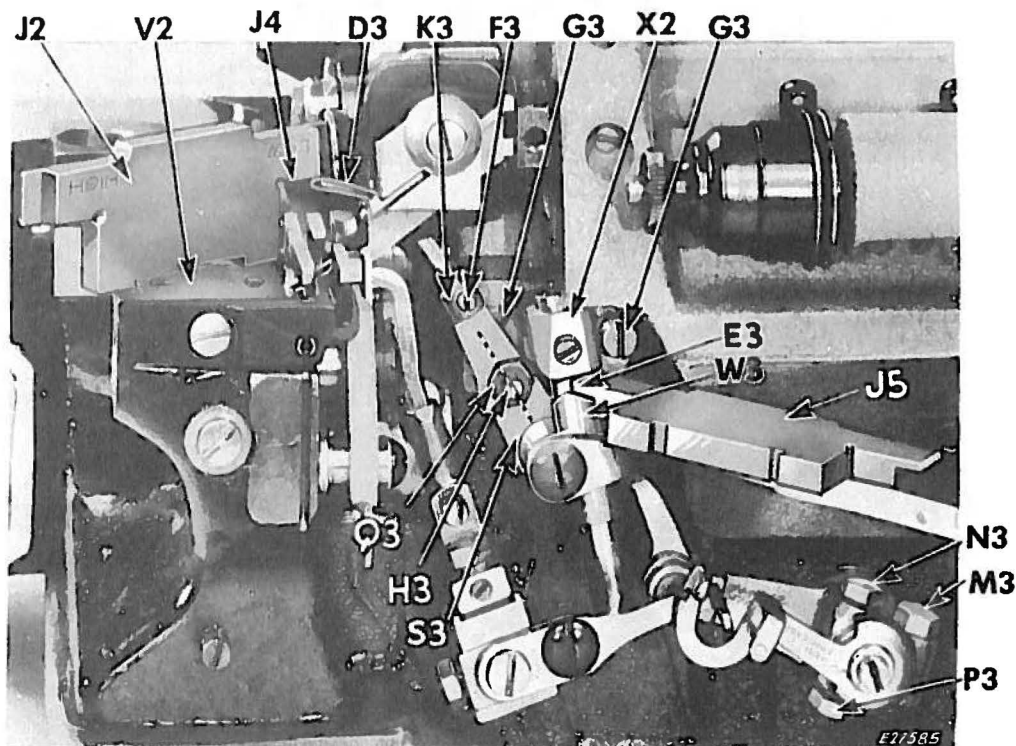
Using Gauge 164592 on Machines 246K42 and 246K43  
and Gauge 164460 on Machine 246K45  
(See Figs. 37 to 39)



**Fig. 37. Right Looper,  
Three-Thread Machines  
246K43 and 246K45**



**Fig. 38. Spreader,  
Two-Thread Machine  
246K42**



**Fig. 39. Adjustments**

Right looper 164055 (Fig. 37) is used for three-thread stitch.

Spreader 164252 (Fig. 38) is used for two-thread stitch.

### PREPARATION:

**Machine 246K42 only:** Swing edge guide out to right.

**On All Machines:** Check the needle with needle gauge 164588 as instructed on page 7.

Set the needle in the machine as instructed on page 8.

Swing presser foot and cloth plate to the left.

Remove chip guard and looper thread plate, complete.

### CHECKING CLEARANCE BETWEEN LOOPER CARRIER CONNECTION AND GUIDE BAR BRACKET:

Turn machine pulley until right looper (or spreader) D3 is at its extreme left position.

Check distance E3 between looper carrier connection W3 and guide bar bracket X2, Fig. 39 with gauge, as shown at J5, Fig. 39. Check this distance with "HIGH" and "LOW" ends of gauge.

### CLEARANCE ADJUSTMENT:

Loosen clamping screw M3 and screws N3 and P3.

Raise or lower right hand looper carrier connection W3, as required.

Securely tighten clamping screw M3. Tighten screws N3 and P3.



## TO SET THE RIGHT LOOPER OR THE SPREADER (CONTINUED)

### CHECKING RIGHT TO LEFT POSITION:

Hold gauge so that end marked "HIGH" on gauge just touches left side of needle, as shown at J6 in Figs. 37 and 38.

When right looper (or spreader) D3 is at its extreme left position it should just touch surface C5 on gauge, as shown in Figs. 37 and 38.

At this setting bracket X2, Fig. 39 should be approximately at midpoint of its extreme left to right positions on casting.

### ADJUSTMENT OF RIGHT TO LEFT POSITION:

Loosen the two screws G3 and move bracket X2, as required, to bring right looper (or spreader) D3 in correct contact with gauge surface C5.

Securely tighten two screws G3.

### CHECKING HEIGHT:

Place gauge J2 firmly upon throat plate seat V2 with end marked "LOW" toward needle, as shown in Fig. 39.

When right looper (or spreader) D3 is at its extreme left position its highest point should just touch undersurface J4 on gauge, as shown.

### ADJUSTMENT FOR HEIGHT:

**NOTE:** When installing a right looper (or spreader), loosen nut Q3, Fig. 39, and turn screw H3 anti-clockwise to align the screwdriver slot in head of screw H3 with centre-line of looper car-

rier S3, as shown in Fig. 39. Then loosen screw F3. Place collar K3 on looper shank and insert right looper in looper holder G3, as shown in Fig. 39.

**Adjust the height** of the right looper (or spreader), in the following manner—

Loosen screw F3 and nut Q3, Fig. 39.

Raise or lower right looper (or spreader) D3 in carrier as required.

Press collar K3 firmly against top of carrier S3.

Securely tighten screw F3 and nut Q3.

### CHECKING FRONT TO REAR POSITION:

Turn machine pulley over away from operator through one full revolution. Observe position of right looper (or spreader) in relation to needle during this full movement.

Right looper (or spreader) D3 should pass behind left looper head and in front of needle; brushing lightly on needle.

### ADJUSTMENT OF FRONT TO REAR POSITION:

Loosen nut Q3, Fig. 39.

Turn right looper (or spreader) D3 in carrier S3 as required.

Securely tighten nut Q3.

**Recheck each setting and securely fasten all parts loosened earlier.**

## TO ADJUST THE LOOPER THREAD TAKE-UP

(See Figs. 40 and 41)

### TO ADJUST LOOPER THREAD TAKE-UP (LEFT) X3 FOR MORE OR LESS THREAD

Remove the chip guard **W**, Fig. 41 and open the front cover plate **M2**. Loosen the two screws **T3**, Fig. 40 and raise or lower the right end of the left take-up **X3**, as required.

Securely tighten the screws **T3** and replace the chip guard **W**.

### SETTING LOOPER THREAD EYELET (LEFT):

The looper thread eyelet **F4** should be normally at the **midpoint** of the slot **K4**, Fig. 40.

To adjust the looper thread eyelet, loosen the screw **E4** and raise or lower the eyelet **F4** to the proper location. Then securely tighten the screw **E4**.

### SETTING LOOPER THREAD TAKE-UP (RIGHT):

To set the right take-up **A4**, open the front cover plate and loosen the screw **N5**, Figs. 40 and 41. Raise or lower the right take-up **A4**, as required. **Do not permit** take-up **A4** to interfere with other moving parts nor to hit cover **M2**. Then securely tighten the screw **N5** and close the cover plate **M2**.

### SETTING LOOPER THREAD STRIPPER:

The looper thread stripper **B4** normally should be at the **midpoint** of the top and bottom extremes of its adjustment, as shown in Figs. 40 and 41.

To set the looper thread stripper, open the front cover plate **M2** and loosen the screw **H4**. Raise or lower the stripper **B4**, as required. Then securely tighten the screw **H4** and close the cover plate **M2**.

**Make certain that none of the above adjustments cause take-up components to strike one another or the cover **M2**.**

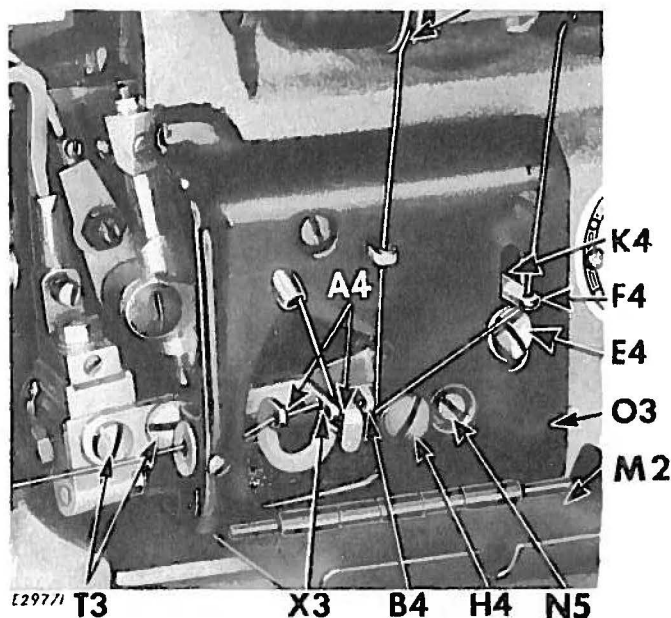


Fig. 40. Adjustments on Take-up for Two-thread Stitch and Three-thread Tight Needle Thread Stitch

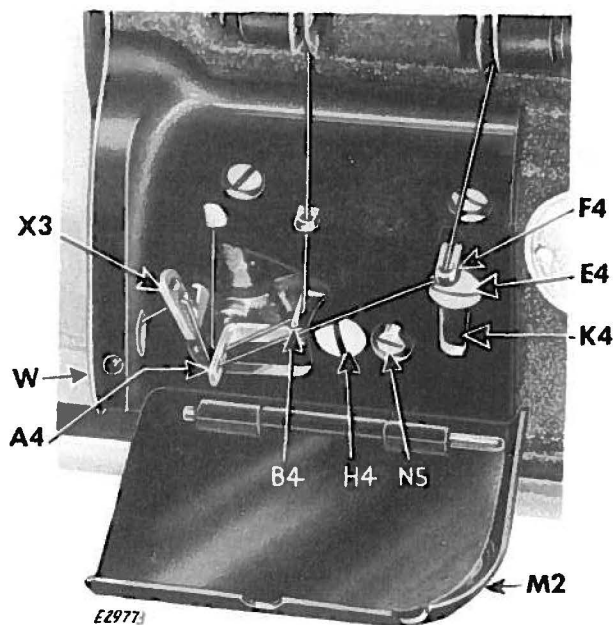


Fig. 41. Adjustments on Take-up for Purl-on-the-edge Stitch



## TO REMOVE AND REPLACE THE KNIVES

(See Fig. 44)

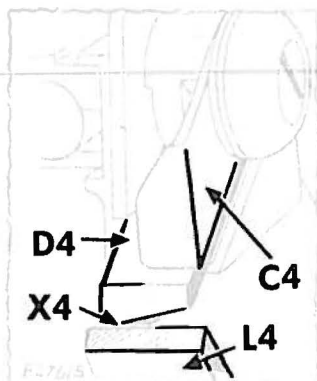


Fig. 42. Contact Point of Knives

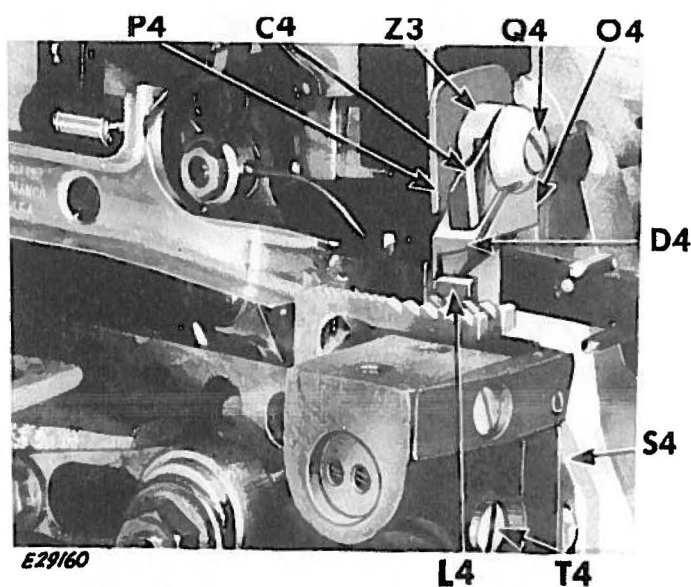


Fig. 43. Removal and Replacement of Knives

### REMOVING STATIONARY KNIFE L4:

Loosen screw V4, Fig. 44, page 24 and draw the knife L4 upward and out.

### REPLACING STATIONARY KNIFE L4:

Push the knife L4 downward into the knife holder S4, until the cutting edge of the knife L4 is flush with the top surface of throat plate. Then securely tighten the clamping screw V4, Fig. 44, page 24.

### REMOVING THE MOVABLE KNIFE D4:

Remove the clamp screw Q4, Fig. 43 with the chip ejector O4, the knife guard C4 and the knife clamp Z3. Lift the knife D4 from the knife holder P4.

### REPLACING MOVABLE KNIFE D4:

Slip the knife in knife holder P4, replace the knife clamp Z3, the knife guard C4, the chip ejector O4, and the clamp screw Q4. Press the movable knife D4 downward against the stationary knife L4, Fig. 43 and securely tighten the clamp screw Q4.

Turn the machine pulley over from you, until the lowest point X4, Fig. 42, of the cutting edge of the movable knife D4, just reaches the cutting edge of the stationary knife L4, as shown in Fig. 42. Loosen the set screw T4 sufficiently to release the spring behind the stationary knife L4, permitting the stationary knife to make a tight spring contact with the movable knife D4. Then securely tighten the set screw T4.

## TO ADJUST THE TRIMMER

### SETTING HEIGHT OF STATIONARY KNIFE:

Loosen screw V4, Fig. 44, page 24.

Raise or lower knife L4, Fig. 44 in the knife holder S4, until the cutting edge of the knife is at the same level as top surface of throat plate.

Then securely tighten screw V4, Fig. 44, page 24.

### WIDTH OF BIGHT:

The position of the stationary knife blade L4 in relation to the needle determines the width of bight.

For some types of work, the width of bight must conform to the width of the chaining-off finger.

## TO ADJUST THE TRIMMER (CONTINUED)

(See Fig. 44)

Before setting stationary knife L4 for width of bight, loosen screw Q4, Fig. 44 and slide movable knife D4 up in its holder out of possible contact with stationary knife. Tighten screw Q4.

### SETTING STATIONARY KNIFE FOR WIDTH OF BIGHT:

To change the width of bight, loosen the screw T4 and move the stationary knife holder S4 toward the left or right, as required. Securely tighten the screw T4.

Return movable knife D4 to its correct position; setting it in relation to the stationary knife as described next.

### SETTING MOVABLE KNIFE IN RELATION TO STATIONARY KNIFE POSITION:

Remove the clamp screw Q4, the chip ejector O4, the knife guard C4 and the knife clamp Z3. Loosen the screw N2 and move the knife holder assembly P4 toward the right or left as required to bring the cutting edge of the movable knife D4, at its lowest position, slightly below the cutting edge of the stationary knife L4, as shown in Fig. 44. Securely tighten the screw N2. Then replace the knife clamp Z3, the knife guard C4, the chip ejector O4, and the clamp screw Q4. Then lightly press the movable knife D4 downward against the stationary knife L4 and tighten the screw Q4.

Loosen the screw T4 sufficiently to release the spring behind the stationary knife L4 permitting the stationary knife to make a tight spring contact with the movable knife D4. Then securely tighten the screw T4.

When knives require sharpening they may be removed as instructed on page 23 and sharpened as instructed on page 25.

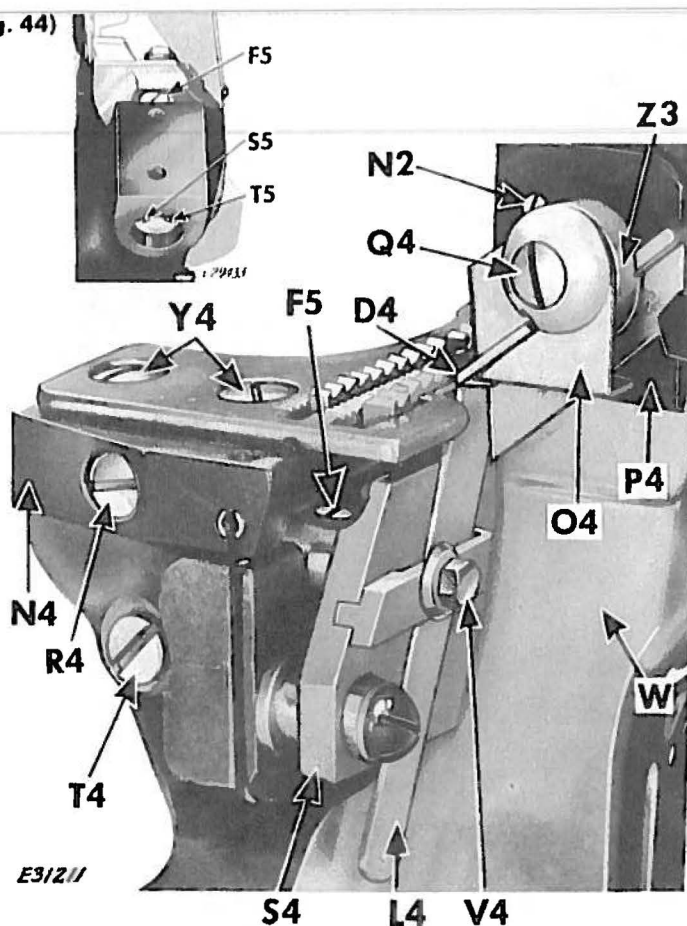


Fig. 44. Trimmer Adjustment

### ANGULAR ADJUSTMENT:

To trim efficiently, cutting edge of stationary knife L4 must contact all points along cutting edge of movable knife D4.

To adjust, remove two screws Y4, Fig. 44 and remove throat plate, screw R4 and guide N4.

**NOTE:** On machines equipped with a needle guard, this guard must also be removed. When replacing needle guard, set it so that needle will just brush guard as needle descends.

Remove front feed dog.

Loosen screws S5, T5, and F5 (see inset at top left of Fig. 44).

Align lower knife L4 with upper knife D4 and securely tighten screw F5.

Tighten screws S5 and T5.



## TO SHARPEN THE TRIMMER KNIVES

(See Figs. 45 and 46)

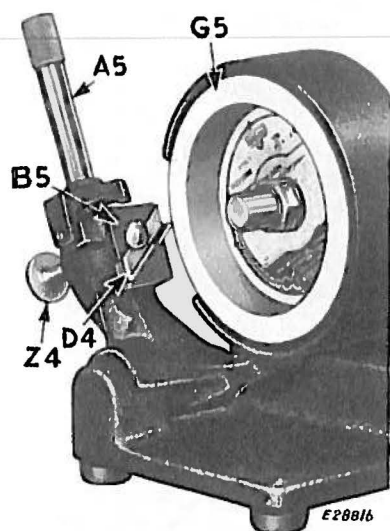


Fig. 45. Sharpening the Movable Knife

Knife Grinding Machine 701-9 (belt driven), is necessary for sharpening the knives used on Machines of Class 246K. The use of this grinder insures the correct bevel of the cutting edge of each knife.

If this Knife Grinder is not available, knives that require a new edge **should be returned to your SINGER Service Representative or to a SINGER factory** for sharpening.

**Do not attempt to sharpen these knives by hand.**

### SHARPENING MOVABLE KNIFE D4:

Insert knife D4, Fig. 45 in knife holder B5, Fig. 45 on front of lever arm A5, Fig. 45. Allow approximately 1/16 inch of the knife to extend beyond holder, for grinding. Then tighten thumb screw Z4, Fig. 45.

Turn thumb nut E5, Fig. 45 over from you until the knife D4 clears the grinding face G5, Fig. 45. While moving lever arm A5 alternately back and forth, turn thumb nut E5 as required, to bring the cutting edge of the knife **lightly** against the grinding face of the wheel.

Continue the back and forth motion of the lever arm, grinding off only enough to sharpen the cutting edge.

The movable knife is thus ground to a shearing edge, requiring no special setting in the machine to shear.

### SHARPENING STATIONARY KNIFE L4:

Insert knife L4, Fig. 46 in knife holder K5, on rear of lever arm, so that its bevel M5 is parallel with grinding face G5 of grinding wheel. Allow approximately 1/16 inch of the knife to extend beyond holder, for grinding. Then by turning knurled end P5, Fig. 46 of lever arm, screw lever arm into knife holder K5, securing the knife. Sharpen the stationary knife as instructed above.

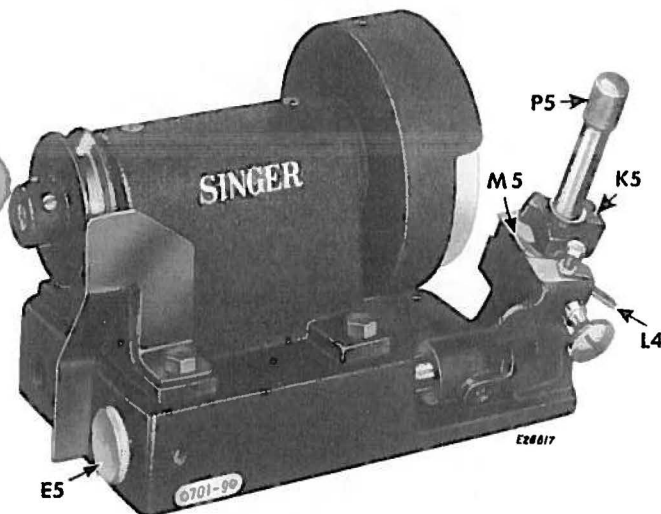


Fig. 46. Sharpening the Stationary Knife

## SUGGESTIONS FOR EFFICIENT OPERATION

**Always turn machine pulley over away from you.**

**Never allow oil level** in oil reservoir to drop below the "FULL" mark on the oil sight gauge.

**Clean out any lint** around the loopers and between the feed rows of feed dog.

**Frequently inspect** area beneath presser bar housing and behind upper knife lever cover and remove accumulation of lint.

**Always use lightest tensions** and lightest pressure possible on material.

**Don't forget to remove loop of thread** from right looper **before** threading.

**PARTS LIST**  
**FOR**  
**SINGER\***  
**OVEREDGING MACHINES**  
**246k42, 246k43 and 246k45**



## INSTRUCTIONS FOR ORDERING

In ordering from this List, the part number **MUST BE** quoted exactly as shown in the first column.

A number always indicates the same part in whatever List it may appear, or for whatever machine.

The code numbers (where shown) indicate the style of finish as follows:

Code No.	Description
801	Hardened, Polished, Nickel Plated and Buffed.
802	Polished, Nickel Plated and Buffed.
803	Hardened only.
804	Polished only.
805	Soft, Not Polished.
806	Hardened and Polished.
807	Bright Rumbled and Nickel Plated.
808	Blued.
809	Nickel Plated only.
810	Hardened and Nickel Plated.
811	Brass Plated.
812	Oxidized.
813	Phosphate Coating Formed on Surface of Iron or Steel.
814	Cadmium Plated.
815	Copper Plated.
816	Zinc Plated.
817	Silver Plated.
818	Polished and Nickel Plated.
819	Black Oxide for Iron and Steel.
820	Black Nickel Plated only.
821	Chromium Plated.
822	Buffed and Chromium Plated.
823	Hardened, Polished, Buffed and Chromium Plated.
824	Hardened, Bright Rumbled and Nickel Plated.
825	Hardened, Bright Rumbled, Nickel Plated, Bright Rumbled and Chromium Plated.
826	Alumilite. (Plain).
827	
828	Polished, Nickel Plated and Chromium Plated.
829	Hardened, Polished, Nickel Plated and Chromium Plated.
830	Heat Treated for Toughness.
831	Heat Treated for Toughness and Polished.
832	Heat Treated for Toughness and Nickel Plated.
833	Heat Treated for Toughness and Black Oxide.
834	Heat Treated for Toughness, Polished, Nickel Plated, Buffed and Chromium Plated.
835	
836	
837	
838	
839	Chrome Nickel, Satin Finish.
840	Hardened and Chrome Nickel, Satin Finish.
841	Hardened and Phosphate Coating Formed on Surface of Steel.
842	Hardened and Zinc Plated.
843	Hardened, Polished and Nickel Plated.
844	Hardened, Polished, Copper and Nickel Plated and Buffed.
845	Copper and Nickel Plated and Polished.
846	Copper and Nickel Plated only.
847	Hardened, Copper and Nickel Plated.
848	Copper and Brass Plated.
849	Copper Plated and Oxidized.
850	Hardened and Black Oxide for Iron and Steel.
851	Hardened, Polished, Nickel Plated, Buffed and Chromium Plated.
852	Polished, Nickel Plated, Buffed and Chromium Plated.
853	Hardened and Chromium Plated.
854	Polished and Chromium Plated.
855	Bright Rumbled, Nickel Plated, Bright Rumbled and Chromium Plated.

# INSTRUCTIONS FOR ORDERING—Continued.

Code No.	Description	Code No.	Description
856	Nickel and Chromium Plated.	735	Emerald Green.
857	Copper and Chromium Plated.	736	Green Metallic.
858	Heat Treated for Toughness, Nickel and Chromium Plated.	737	Light Beige Satin Matte.
859	Heat Treated for Toughness, Copper Plated and Oxidized.	738	Copper Tan.
860	Nickel Plated and Buffed only.	739	Buff.
861	Alumilite (dyed)—Black.	740	White.
862	" ( " )—Light Almond Green.	741	Dark Fawn.
863	" ( " )—Dark Brown.	742	Plum.
864	" ( " )—Russet Brown.	743	Birch Brown.
865	" ( " )—Dark Green.	744	Satin Black.
866	" ( " )—Medium Gold.	745	Gold-Buff.
867	Nickel-Satin Finish.	746	Blue Grey.
868	Hardened and Nickel-Satin Finish.	747	Medium Gold.
		748	Sand.
		749	Khaki.
		750	Flame Red.
		751	Brite Green.
		752	Sage Green.
		753	Mist Green.
		754	Ice Green Metallic.
		755	Dark Beige Metallic.
		756	Shell Pink.
		757	Surf Green.
		758	Colonial Rose.
		759	Cream.
		760	Oak Brown.
		761	Deep Fawn.
		762	Medium Green.
		763	Light Green Metallic.
		764	Light Gold.
		765	Persimmon.
		766	Mahogany Brown.

PARTS MARKED THUS (✱) ARE FURNISHED ONLY WHEN THE REPAIRS ARE  
MADE AT FACTORY.



## Parts Complete for Machine No. 246K42

FOR TRIMMING AND OVEREDGING LIGHT AND MEDIUM WEIGHT FABRICS. DROP FEED. ONE NEEDLE, ONE LOOPER, ONE SPREADER. MAKES A TWO-THREAD OVEREDGE STITCH (TYPE No. 503). BIGHT FROM 1/16" TO 7/32" FROM NEEDLE. MATERIAL UP TO 3/16" IN THICKNESS CAN BE STITCHED. SPEED UP TO 6000 s.p.m. DEPENDING ON MATERIALS USED AND OPERATIONS PERFORMED.

Part No.	Plate	Description
164001	24855	Chip Guard
1209(809)	24855	" " Screw (lower)
140509(809)	24855	" " " (upper)
164593	24855	Cloth Plate
164002(701)	24855	" " Extension
51408(809)	24855	" " " Screw
1700(809)	24855	" " " " Nut
931084	24855	" " " " " Lock Washer
164205	24855	" " Lock Spring
1700(809)	24855	" " " " Nut
931084	24855	" " " " " Lock Washer
1250(830)	24855	" " " " Screw Stud
164104	24855	" " Plunger
164105	24855	" " " Spring
624(830)	24855	" " " Set Screw
164106	24855	" " Position Collar with two 624(830)
624(830)	24855	" " " " Set Screw
164594	24855	" " with Extension, complete, Nos. 164002(701) 164205, 164593, two each 1700(809), 51408(809) and 931084
164006	3050	Feed Bar with 164010
164017	3050	" " Connection
164008	3050	" " " Bearing
164009	3050	" " " Hinge Screw Stud
1671(803)	3050	" " " " " " Nut
164010	3050	" " " " " " Position Pin
164277	—	" " Guide (roller)
164003	3050	" " Hinge Pin (eccentric)
1389(830)	3050	" " " " Set Screw
164004	3050	" " Slide Block (back)
1628(803)	3050	" " " " ( " ) Nut
17022	3050	" " " " ( " ) " Washer
164005	3050	" " " " (front)
164278	—	" " Spacing Collar
164276	—	Feed Bar, complete, Nos. 1671(803), 164004 to 164006, 164008, 164009 and 164017
165107	3062	Feed Dog
1454(806)	—	" " Screw
164915	3050	" Eccentric

NOTE.—Feed Eccentric No. 164915 is furnished in 4 to 16, 18, 20, 22, 24, 28, 32, 36, 40, 45, 50, 60, 70, 80 and 100 stitches to the inch. Unless otherwise stated No. 164915 (5 stitches to the inch) is supplied regularly.

# PARTS FOR MACHINE No. 246K42

Part No.	Plate	Description
164520	—	Feed Eccentric Cover
164400	—	" " " Bracket with 164345
157(803)	—	" " " " Screw
629(810)	—	" " " Hinge Screw
164401	—	" " " Latch Spring
227(809)	—	" " " " " Screw
164529	—	" " " complete, for use with Eccentrics of 4 stitches and above, Nos. 629(810), 164400, 164401, 164520 and two 227(809)
164345	—	Feed Eccentric Oil Wick
164949	3052	" Lifting and Knife (movable) Eccentric
164455	3058	Finger Guard
164456	3058	" " Adaptor
1259(830)	3055	" " " Screw
1423(809)	3058	" " " Screw
164530	3062	Guide (swing-out)
164297	3062	" ( " ) Arm
164298	3062	" ( " ) " Holder
50267(813)	3062	" ( " ) " " Screw (2)
164541	3062	" ( " ) " Lock Spring
1423(809)	3062	" ( " ) " " " Screw
1550(809)	3062	" ( " ) " " " " Nut
164502	3062	" ( " ) Extension (lower,
164299	3062	" ( " ) " (upper)
197(809)	3062	" ( " ) " Screw
164503	—	Guide (swing-out) with Extension, complete, Nos. 197(809) 164299, 164502 and 164530
1425(809)	3062	Guide (swing-out) Hinge Screw
42436	3062	" ( " ) " " Washer
1443(809)	3062	" ( " ) " Screw
164311	3062	Guide (swing-out) with Arm and Holder, complete, Nos. 1423(809), 1425(809), 1550(809), 42436, 164297, 164298, 164503, 164541 and two 1443(809),
164556	3058	Knife (movable), serrated (2) (1 in machine, 1 sent as spare)
164027	3064	" ( " ) Clamp
140050(803)	3064	" ( " ) " Screw
164028	3064	" ( " ) Guard (lower)
164458	3055	" ( " ) " (upper)
164029	3064	" ( " ) Holder
198(809)	3064	" ( " ) " Screw
164030	3064	" ( " ) " " Bearing
164950	3064	" ( " ) Lever with 620(830),
164951	—	" ( " ) " 164950 with 132583, 164035, 164136 and 164963
164032	3064	" ( " ) " Bearing
447(830)	3064	" ( " ) " " Set Screw (long)
624(830)	3064	" ( " ) " " " (short)
164373(728)	3055	" ( " ) " Cover and Presser Bar (upright) Housing with 1259(830)
50073(809)	3055	" ( " ) " " " Presser Bar (upright) Housing Screw (2)



**PARTS FOR MACHINE No. 246K42**

Part No.	Plate	Description
164374	—	Knife (movable) Lever Cover and Presser Bar (upright) Housing, complete, Nos. 50060(810), 164137 to 164139, 164142 to 164144, 164194 and 164373(728)
164180	3064	Knife (movable) Lever Guide
164181	3064	" ( " ) " " Holder with two 140239(830)
164210	3064	" ( " ) " " " 164181 with 197(809), 164177, 164180 and 164182
140239(830)	3064	" ( " ) " " " Set Screw
164182	3064	" ( " ) " " " Thread Tube
447(830)	3064	" ( " ) " " " " Set Screw
197(809)	3064	" ( " ) " " " Screw
132583	3064	" ( " ) " " Hinge Pin with 132584
132584	3064	" ( " ) " " " Oil Wick
620(830)	—	" ( " ) " " " Set Screw
164034	3064	" ( " ) " " Stud
164035	—	" ( " ) " " " 164034 with 164036 and 164269
164036	3064	" ( " ) " " " Oil Wick (long)
164269	—	" ( " ) " " " " (short)
447(830)	3064	" ( " ) " " " Set Screw (back)
1143(830)	3064	" ( " ) " " " " (top)
164728	3064	" (stationary) (2) (1 in machine, 1 sent as spare)
164744	3055	" ( " ) Clamping Gib
140788(803)	3055	" ( " ) " " Screw
3146	3055	" ( " ) " " Washer
165062	3055	" ( " ) and Needle Guard Holder
165063	—	Knife (stationary) and Needle Guard Holder (adjustable) complete, Nos. 742(806), 164745 and 165062
165064	—	Knife (stationary) and Needle Guard Holder (adjustable) with Gib, complete, Nos. 3146, 140788(803), 164744 and 165063
164590	3055	Knife (stationary) Holder Adjusting Stud
190(805)	3055	" ( " ) " " " Cap Screw
39541	3055	" ( " ) " " " " Washer
164745	3055	" ( " ) and Needle Guard Holder Body with two 56011(803)
50611(803)	3055	" ( " ) " " " Position Screw
742(806)	3055	" ( " ) " " " Screw
164042	3064	" ( " ) " Sleeve
140088(805)	3064	" ( " ) " " Screw
175032	3055	" ( " ) " " Washer
164043	3055	" ( " ) " Spring
164525	3055	" ( " ) " Stud
164462	3064	Lint Stripper with 735(830)
735(830)	3064	" " Set Screw
164045	3048	Looper (left hand)
164046	3048	" ( " " ) Carrier with 460(830) 50379(806) and 164202
164660	3048	" ( " " ) " Holder with 1083(803), 140393(830) and 140596(830)
164661	—	" ( " " ) " " 164660 with 1324(803), 59456 and 164046
1083(803)	3048	" ( " " ) " " Clamping Screw

# PARTS FOR MACHINE No. 246K42

Part No.	Plate	Description
140596 (830)	3048	Looper (left hand) Carrier Holder Set Screw (left)
140393 (830)	3048	" ( " " ) " " " (right)
1324 (803)	3048	" ( " " ) " Screw
460 (830)	3048	" ( " " ) " " Set Screw
59456	3048	" ( " " ) " " Washer
164048	3048	" ( " " ) Driving Shaft
164049	3048	" ( " " ) " " Bushing (back)
140394 (805)	3048	" ( " " ) " " ( " ) Cap Screw
164293	3048	" ( " " ) " " ( " ) " "
		Washer (fibre)
164737	3048	" ( " " ) " " (front)
164051	3048	" ( " " ) " " Crank with 1083 (803)
164215-002	—	" ( " " ) " " 164051 with 164052-002
1083 (803)	3048	" ( " " ) " " Clamping Screw
164052 -002	3052	" ( " " ) " " Connection with two
		each 171(830)and 140159(830)
171 (830)	3052	" ( " " ) " " Crank Connection Cap
		(lower) Screw
140159 (830)	3052	" ( " " ) " " Connection Cap
		(upper) Screw
164067	3048	" ( " " ) " " Crank Key
1324 (803)	3048	" ( " " ) " " " Screw
45057	3048	" ( " " ) " " " Washer
164053	3048	" ( " " ) " " Thrust Bearing
164739	3048	" ( " " ) " " Oil Ring (rubber)
164740	3048	" ( " " ) " " " Spacer
50379 (806)	3048	" ( " " ) Set Screw
164202	3048	" ( " " ) Stop Pin
165055	—	" ( " " ) Thread Tube
853 (830)	—	" ( " " ) " " Set Screw
*164954 (728)	—	Machine Frame
*164955	—	" " complete, Nos. 140396(805),164077,
		164954(728),165057 and three 140395(805)
164074	24813	" " Bottom Cover
164075	24813	" " " " Gasket
914(803)	24813	" " " " Screw (13)
*165056 (701)	—	" " Bracket
*165057	—	" " " 165056(701) with 164207 and two
		187(805)
164207	3053	" " " Key
187(805)	3053	" " " " Screw
140396(805)	3053	" " " Screw (large)
164077	3053	" " " ( " ) Washer (fibre)
164229	3053	" " " ( " ) " (felt)
140395 (805)	3053	" " " (small)
164515 (701)	24813	" " Cover (back)
50571 (809)	24813	" " " ( " ) Screw (long) (2)
914 (809)	24813	" " " ( " ) " (short)
164516 (701)	24813	" " " ( " ) 164515(701)with 1637(819)and
		140228(803)
164081	3053	" " Oil Lead
140088 (805)	3053	" " " " Screw
1698 (809)	3053	" " " " Nut
164082	3053	" " " Plug Bracket
140346 (830)	3053	" " " " Set Screw



# PARTS FOR MACHINE No. 246K42

Part No.	Plate	Description
164083	3053	Machine Frame Oil Screen
206(809)	3053	" " " " Screw (3)
164608	3053	" " " " Splash Guard (internal)
164605	3053	" " " " " ( " ) Oil Pad
164606	3053	" " " " " ( " ) " " Fastener
164609	3053	Machine Frame Oil Splash Guard (internal), complete, Nos. 164605, 164606 and 164608
164492(809)	3062	Machine Frame Oil Splash Guard (top)
51023(818)	3055	" " " " " ( " ) Screw (2)
164086	3053	" " " " Tube with 164087
447(830)	3053	" " " " Set Screw
164087	3053	" " " " Wick
164956	3052	" " Rotary Shaft
164957-002	—	" " " " 164956 with 164097, 164215-002, 164216-002, 164217, two each 164093 and 164232
139026	3052	Machine Frame Rotary Shaft Ball Bearing
164092	3052	" " " " " " " Housing
51369(803)	3052	" " " " " " " Screw (3)
164093	3052	" " " " " " Sleeve (two pieces)
164232	3052	" " " " " " Guide
164958	3052	" " " " " " Bushing (front)
164959	—	" " " " " " ( " ) Oil Ring (rubber)
164960	—	" " " " " " ( " ) Oil Ring Spacer
1036(830)	3052	" " " " " " ( " ) Set Screw
164961	3052	" " " " " " (intermediate)
51332(803)	3052	" " " " " " ( " ) Set Screw
164096	3052	" " " " " " Counterbalance with 1036(830)
1036(830)	3052	" " " " " " Set Screw
164097	3052	" " " " " " Key
51649(803)	3052	" " " " " " Nut
131056	3052	" " " " " " Washer
164098	3052	" " " " " " Oil Return and Ball Bearing Grease Retainer
164099	3052	" " " " " " Screw Stud
164100	3052	" " " " " " Thrust Bearing
164101(728)	3063	" " " " Top Cover
164214	—	" " " " " " 164101(728) with 330(809), 164103 and two 164418
164102	3063	" " " " " " Gasket
164103	3063	" " " " " " Oil Lead
330(809)	3063	" " " " " " Screw
51369(809)	3063	" " " " " " Screw (3)
164231	3052	Machine Pulley (round and "V" belt) with two 448(830)
164071(701)	3052	" " " " Cap
140416(819)	3052	" " " " Screw
448(830)	3052	" " " " Set Screw
Catalogue 1265	—	Needle, size 14 (151 x 7)

**PARTS FOR MACHINE No. 246K42**

Part No.	Plate	Description
164109	3055	Needle Clamp
51720(803)	3055	" Clamping Nut
164110	3055	" Driving Shaft with 164118
164275	—	" " " 164110 with 51720(803), 164109 and 164117
164111	3055	" " " Bushing
164112	3055	" " " " Cap
164113	3055	" " " " Oil Lead
452(830)	3055	" " " " " Hole Plug Screw
164114	3055	" " " Crank with 1083(803) and two 140596(830)
164115	3055	" " " " Ball
1083(803)	3055	" " " " Clamping Screw
164217	3052	" " " " Connection with 164115, two each 157(830) and 171(830)
157(830)	3052	" " " " " Cap (lower) Screw
171(830)	3052	" " " " " " (upper) Screw
140596(830)	3055	" " " " " Set Screw
165058	—	" Guard
165059	—	" " Holder
1083(805)	—	" " " Screw
50225(809)	3047	" " Screw
164117	3055	" Holder
164118	3055	" Stop Pin
164119	3052	Oil Agitator
164120(701)	3053	" Cooler with two 164125
164121	3053	" " Cover
164123	3053	" " " 164121 with 164135
164122	3053	" " " Gasket
145(809)	3053	" " " Screw
164124	3053	" " Gasket
164125	3053	" " Oil Pipe
164126	3053	" " " Tube with 138269 and 164128
164736	—	" " " " 164126 with 51630 and 164127
164127	3053	" " " " Coupling
51630	3053	" " " " Lock Nut
+138269	—	" " " " Sleeve
164128	—	" " " " Wick
51139(809)	3053	" " " Screw (long) (2)
1324(809)	3053	" " " " (short)
164135	3053	" Cup for filling machine
164607	3064	" Deflector
164131	3053	" Sight Gauge Background Disc
164132	3053	" " " " " Gasket
164133	3053	" " " " Window
164132	3053	" " " " " Gasket
164134	3053	" " " " " Retainer
1485(809)	3053	" " " " " Screw (2)
164136	3064	Presser Bar Bracket
164137	3055	" " Lifting Bracket with 462(830), 624(830) and 51846



**PARTS FOR MACHINE No. 246K42**

Part No.	Plate	Description
51846	3055	Presser Bar Lifting Bracket Roller and Stud
624(830)	3055	" " " " Set Screw (long)
462(830)	3055	" " " " " " (short)
164138	3055	" " " " Lever
164139	3055	" " " " Spring
140228(803)	24813	" " " " Stop Screw
1637(819)	24813	" " " " " " Nut
164962	3064	" " (swing-out)
164141	3064	" " ( " ) Lifting Screw Stud
1700(809)	3064	" " ( " ) " " " Nut
164142	3055	" " ( " ) Opening Lever
50060(810)	3055	" " ( " ) " " Hinge Screw
140510(803)	3064	" " ( " ) Pivot Screw
164351	3064	" " ( " ) " " Locking Plate
51362(830)	3064	" " ( " ) " " " " Screw
164143	3055	" " (upright)
164144	3055	" " ( " ) Spring
164416	—	" " ( " ) " (heavy)
NOTE.—No. 164144 is supplied with machine.		
164471	3061	Presser Foot Body
164438	3061	" " Chaining-off Finger, for 164474
164146	3061	" " " " " " 164475
164147	3061	" " Clamping Plate
50225(809)	3061	" " " " Screw
164303	3061	" " Guide
218(804)	3061	" " " " Screw
164474	3061	Presser Foot, complete, for light and medium fabrics, Nos. 218(804), 50225(809), 164147, 164303, 164438 and 164471
164475	3061	Presser Foot, complete, for heavy-weight fabrics, Nos. 218(804), 50225(809), 164146, 164147, 164303 and 164471
164476	3062	Presser Foot Thread Chain Guard
140180(809)	3062	" " " " " " Screw
164194	3055	Pressure Regulating Thumb Screw
164252	3048	Spreader
164056	3048	" " Carrier with 50370(830),
164828	3048	" " " " Connection
164829	—	" " " " Guide Bar Nos. 1700(809), 50420(830), 164785, 164786 and 164828
164952	3048	Spreader Carrier Connection Guide Bar Bracket with 462(830) and 51369(803)
51369(803)	3052	" " " " " " Bracket Clamping Screw
914(803)	3048	" " " " " " Bracket Screw (left)
1057(830)	3048	" " " " " " " " (right)
462(830)	3048	" " " " " " Set Screw
164785	3048	" " " " " " Oil Controlling Screw Seat (brass)
50420(830)	3048	" " " " " " Plug Screw
1700(809)	3048	" " " " " " " " Nut
164786	3048	" " " " " " Wick

# PARTS FOR MACHINE No. 246K42

Part No.	Plate	Description
164061	—	Spreader Carrier Connection Hinge Stud with 1019 (830)
1443(809)	3048	" " " " " Cap Screw
164397	3048	" " " " " Adjusting Pin
1019(830)	—	" " " " " " " Set Screw
132565	3048	" " Hinge Pin
165000	—	" " " " Oil Pad (felt)
50370(830)	3048	" " " " Set Screw
164062	3048	" Driving Lever with 1083(803) and two 140596(830)
1083(803)	3048	" " " Clamping Screw
164953	—	" " " 164062 with 1443(809), 1700(809), 132565, 164056, 164061, 164068, 164397, 164829 and 164952
140596(830)	3048	Spreader Driving Lever Set Screw
164063	3048	" " Shaft
164049	3048	" " " Bushing (back)
140394(805)	3048	Spreader Driving Shaft Bushing (back) Cap Screw
164293	3048	" " " " ( " ) " " Washer (fibre)
164738	3048	" " " " (front)
164066	3048	" " " Crank with 1083(803)
164216-002	—	" " " " 164066 with 164052-002
1083(803)	3048	" " " " Clamping Screw
164052-002	3052	" " " " Connection with two each 171(830) and 140159(830)
171(830)	3052	Spreader Driving Shaft Crank Connection Cap (lower) Screw
140159(830)	3052	" " " " " " (upper) Screw
164067	3048	" " " " Key
1324(803)	3048	" " " " " Screw
45057	3048	" " " " " Washer
164053	3048	" " " " Thrust Bearing
164739	3048	" " " " Oil Ring (rubber)
164740	3048	" " " " " Spacer
164068	3048	" Locking Screw Stud
1700(809)	3048	" " " " Nut
164219	3048	" Position Collar with 904(830)
904(830)	3048	" " " Set Screw
2102	3063	Tension (heavy) Disc
164155	3063	" ( " ) Regulating Thumb Nut
50133(803)	3063	" ( " ) Screw Stud
164156	—	" ( " ) " " 50133(803) with 164155
164161	3063	" ( " ) Spring
59537	3063	" ( " ) " Bushing
164158	3063	" ( " ) " Cover
164162	3063	Tension (heavy), complete, Nos. 59537, 164156, 164158, 164161 and two 2102 (2)
2102	3063	Tension (light) Disc
164155	3063	" ( " ) Regulating Thumb Nut
50133(803)	3063	" ( " ) Screw Stud
164156	—	" ( " ) " " 50133(803) with 164155



# PARTS FOR MACHINE No. 246K42

Part No.	Plate	Description
164584	3063	Tension (light) Spring
59537	3063	" ( " ) " Bushing
164158	3063	" ( " ) " Cover
164585	3063	Tension (light), complete, Nos. 59537, 164156, 164158, 164584 and two 2102
164285	3063	Tension (looper thread) Thread Guide (left)
164286	3063	" ( " " ) " " (right)
164159	3063	" (needle " ) " Guide
164418	3063	" Thread Eyelet
164091	3048	Thread (looper, right hand) Stripper and Take-up with 164555
164163	24761	" ( " " " ) " " " Eyelet (adjustable)
1443(809)	24761	" ( " " " ) " " " Eyelet (adjustable) Screw
164555	—	" ( " " " ) " " Take-up Guide Wire
187(805)	3048	" ( " " " ) " " " Screw
17022	3048	" ( " " " ) " " " " Washer
164164	24761	" ( " " " ) Thread Eyelet (movable)
1423(809)	24761	" ( " " " ) " " Screw
164165	24761	" ( " " " ) " " (stationary)
1607(809)	24761	" ( " " " ) " " ( " ) Nut
164166	24761	" ( " " " ) Tube
624(830)	24761	" ( " " " ) " Set Screw
164167(701)	24761	" (looper) Plate with 624(830)
109784(830)	24761	" ( " ) " Screw (2)
164168	24761	" ( " ) " Cover
164206	—	" ( " ) " " 164168 with 164169 and 164170
164169	24761	" ( " ) " " Hinge
164170	24761	" ( " ) " " " Pin
164171	24761	" ( " ) " " Spring
332(809)	24761	" ( " ) " " " Screw
164173	24761	" ( " ) " Thread Bushing
50318(818)	24761	" ( " ) " " " Screw
164174	—	Thread (looper) Plate, complete, Nos. 1423(809), 1443(809), 1607(809), 50318(818), 164163 to 164167, 164173, 164206, two each 332(809) and 164171
164175	3048	Thread (looper) Take-up
164176	3048	" ( " ) " Plate
190(805)	3048	" ( " ) " Screw (lower)
1443(809)	3048	" ( " ) " " (upper)
164381	3064	" (needle) Controller
164963	3064	" ( " ) " Lever
1443(809)	3064	" ( " ) " Screw (2)
164177	3064	" Eyelet (needle thread)
140239(830)	3064	" " ( " " ) Set Screw
164440	3062	Throat Plate
164805	3058	" " Guide with 853(830)
1454(805)	—	" " " Screw
1094(806)	—	" " Screw (2)

## Parts Special to Machine No. 246K43

FOR TRIMMING AND OVEREDGING LIGHT AND MEDIUM WEIGHT FABRICS. ONE NEEDLE, TWO LOOPERS, MAKES A THREE-THREAD TIGHT STITCH (TYPE No. 504). BIGHT ADJUSTABLE FROM 1/16" TO 7/32". MATERIALS UP TO 3/16" THICKNESS CAN BE STITCHED. SPEED UP TO 6000 s.p.m. DEPENDING UPON MATERIALS USED AND OPERATIONS PERFORMED.

This machine is the same as 246K42 with the following exceptions:

Part No.	Plate	Description
164687	3050	Feed (back) Bar with 164010
164017	3050	" ( " ) " Connection
164008	3050	" ( " ) " " Bearing
164009	3050	" ( " ) " " Hinge Screw Stud
1671(803)	3050	" ( " ) " " " " Nut
164010	3050	" ( " ) " " " " Stud Position Pin
164011	3047	" ( " ) Dog Section (left)
164012	3047	" ( " ) " " (right)
1100(830)	3047	" ( " ) " " ( " ) Screw
164013	3047	Feed (back) Dog, complete, Nos. 1100(830), 164011 and 164012

1454(806)	—	Feed (back) Dog Screw
164915	3050	" ( " ) Eccentric

NOTE.—Feed (back) Eccentric No. 164915 is furnished in 4 to 16, 18, 20, 22, 24, 28, 32, 36, 40, 45, 50, 60, 70, 80 and 100 stitches to the inch. Unless otherwise stated, No. 164915 (14 stitches to the inch) is supplied regularly.

164006	3050	Feed (front) Bar with 164010
164007	3050	" ( " ) " Connection
164018	3050	" ( " ) " " Bearing
164009	3050	" ( " ) " " Hinge Screw Stud
1671(803)	3050	" ( " ) " " " " Nut
164010	3050	" ( " ) " " " " Position Pin
164208	—	Feed (back) and (front) Bars, complete, Nos. 164005 to 164008, 164017, 164018, 164687, two each 1671(803) 164004 and 164009

164019	3047	Feed (front) Dog, 19 teeth (20 teeth to the inch)
1454(806)	—	" ( " ) " Screw
164915	3050	" ( " ) Eccentric

NOTE.—Feed (front) Eccentric No. 164915 is furnished in 4 to 16, 18, 20, 22, 24, 28, 32, 36, 40, 45, 50, 60, 70, 80 and 100 stitches to the inch. Unless otherwise stated, No. 164915 (14 stitches to the inch) is supplied regularly.

164704	—	Feed Eccentric Cover Bracket
164705	—	" " " " 164704 with 164023
164023	—	" " Oil Wick
164706	—	Feed Eccentric Cover, complete, for use with eccentrics of 4 stitches and above, Nos. 629(810), 164401, 164520, 164705 and two 227(809)

164550	3055	Knife (movable) (2) (1 in machine, 1 sent as spare)
164055	3048	Looper (right hand)
164056	3048	" ( " " ) Carrier with 50370(830)
164828	3048	" ( " " ) " Connection
164829	—	" ( " " ) " " and Guide Bar Nos. 1700(809), 50420(830), 164785, 164786 and 164828

**PARTS FOR MACHINE No. 246K43**

Part No.	Plate	Description
164952	3048	Looper (right hand) Carrier Connection Guide Bar Bracket with 462(830)and 51369(803)
51369(803)	3052	Looper (right hand) Carrier Connection Guide Bar Bracket Clamping Screw
914(803)	3048	Looper (right hand) Carrier Connection Guide Bar Bracket Screw (left)
1057(830)	3048	Looper (right hand) Carrier Connection Guide Bar Bracket Screw (right)
164785	3048	Looper (right hand) Carrier Connection Guide Bar Oil Controlling Screw Seat (brass)
50420(830)	3048	Looper (right hand) Carrier Connection Guide Bar Oil Plug Screw
1700(809)	3048	" ( " " ) " " " " Plug Screw Nut
164786	3048	" ( " " ) " " " " Oil Wick
462(830)	3048	" ( " " ) " " " " Set Screw
164061	—	" ( " " ) " " Hinge Stud with 1019(830)
1443(809)	3048	" ( " " ) " " " " Cap Screw
164397	3048	" ( " " ) " " " " Adjusting Pin
1019(830)	—	" ( " " ) " " " " Adjusting Pin Set Screw
132565	3048	" ( " " ) " Hinge Pin
165000	—	" ( " " ) " " " Oil Pad (felt)
50370(805)	3048	" ( " " ) " " " Set Screw
164062	3048	" ( " " ) Driving Lever with 1083(803) and two 140596(830)
164953	—	Looper (right hand) Driving Lever 164062, with 1443(809), 1700(809), 132565, 164056, 164061, 164068, 164397, 164829 and 164952
1083(803)	3048	Looper (right hand) Driving Lever Clamping Screw
140596(830)	3048	" ( " " ) " " Set Screw
164063	3048	" ( " " ) " Shaft
164049	3048	" ( " " ) " Bushing (back)
140394(805)	3048	" ( " " ) " " ( " ) Cap Screw
164293	3048	" ( " " ) " " " ( " ) " " Washer (fibre)
164738	3048	" ( " " ) " " " (front)
164066	3048	" ( " " ) " " Crank with 1083(803)
164216 -002	—	" ( " " ) " " 164066 with 164052 -002
1083(803)	3048	" ( " " ) " " Clamping Screw
164052 -002	3052	" ( " " ) " " Connection with two each 171(830)and 140159(830)
171(830)	3052	" ( " " ) " " Crank Connection Cap (lower) Screw
140159(830)	3052	" ( " " ) " " Connection Cap (upper) Screw
164067	3048	" ( " " ) " " Key
1324(803)	3048	" ( " " ) " " Screw
45057	3048	" ( " " ) " " Washer
164053	3048	" ( " " ) " " Thrust Bearing
164739	3048	" ( " " ) " " Oil Ring (rubber)
164740	3048	" ( " " ) " " Spacer



# PARTS FOR MACHINE No. 246K43

Part No	Plate	Description
164068	3048	Looper (right hand) Locking Screw Stud
1700(809)	3048	" ( " " ) " " " Nut
164219	3048	" ( " " ) Position Collar with 904(830)
904(830)	3048	" ( " " ) " " Set Screw
164085(809)	3055	Machine Frame Oil Splash Guard (top)
Catalogue 1265	—	Needle, size 11 (151×7)
164145	3047	Presser Foot Body
164220	3047	" " Chain Cutter Friction Plate
164221	3047	" " " " Knife
51306(805)	3047	" " " " " Screw
164149	3047	" " Guide
50169(809)	3047	" " " Screw
164150	3047	Presser Foot with Chain Cutter, complete, Nos. 50169(809) 50225(809),51306(805),164145 to 164147, 164149, 164220 and 164221
164157	3063	Tension (light) Spring
164160	3063	Tension (light) complete, Nos. 59537, 164156 to 164158 and two 2102
109784(830)	24761	Thread (looper) Plate Screw (2)
164151	3047	" (needle) Controller
164178	3047	Throat Plate

## Parts Special to Machine No. 246K45

FOR MEDIUM HEAVY AND HEAVY KNIT GOODS, SPORTS JACKETS, FRUIT BAGS, LAUNDRY BAGS, Etc. TRIMMER. ONE NEEDLE, TWO LOOPERS. MAKES A THREE-THREAD OVEREDGE TIGHT STITCH (TYPE No. 504). BIGHT ADJUSTABLE FROM 1/8" TO 1/4" FROM NEEDLE. MATERIAL UP TO 1/4" IN THICKNESS CAN BE STITCHED. SPEED UP TO 5,500 s.p.m. DEPENDING UPON MATERIALS USED AND OPERATIONS PERFORMED.

This Machine is the same as 246K42 with the following exceptions:

Part No.	Plate	Description
164366	—	Feed Bar Slide Block (front)
164687	3050	" (back) Bar with 164010
164017	3050	" ( " ) " Connection
164008	3050	" ( " ) " " Bearing
164009	3050	" ( " ) " " Hinge Screw Stud
1671(803)	3050	" ( " ) " " " " Nut
164010	3050	" ( " ) " " " " Position Pin
164367	3058	" ( " ) Dog Section (left)
164223	3058	" ( " ) " " (right)
1100(830)	3058	" ( " ) " " ( " ) Screw
164369	3058	Feed (back) Dog, complete, Nos. 1100(830) 164223 and 164367
1454(806)	—	Feed (back) Dog Screw
164915	3050	" ( " ) Eccentric
NOTE.—Feed (back) Eccentric No. 164915 is furnished in 4 to 16, 18, 20, 22, 24, 28, 32, 36, 40, 45, 50, 60, 70, 80 and 100 stitches to the inch. Unless otherwise stated, No. 164915 (14 stitches to the inch) is supplied regularly.		
164006	3050	Feed (front) Bar with 164010
164007	3050	" ( " ) " Connection
164018	3050	" ( " ) " " Bearing
164009	3050	" ( " ) " " Hinge Screw Stud
1671(803)	3050	" ( " ) " " " " Nut
164010	3050	" ) " ) " " " " Position Pin
164370	—	Feed (back) and (front) Bars, complete, Nos. 164006 to 164008, 164017, 164018, 164366, 164687, two each 1671(803) 164004 and 164009
165106	3058	Feed (front) Dog
1454(806)	—	" ( " ) " Screw
164915	3050	" ( " ) Eccentric
NOTE.—Feed (front) Eccentric No. 164915 is furnished in 4 to 16, 18, 20, 22, 24, 28, 32, 36, 40, 45, 50, 60, 70, 80 and 100 stitches to the inch. Unless otherwise stated, No. 164915 (14 stitches to the inch) is supplied regularly.		
164704	—	Feed Eccentric Cover Bracket
164705	—	" " " " 164704 with 164023
164023	—	" " Oil Wick
164706	—	Feed Eccentric Cover, complete, for use with eccentrics of 4 stitches and above, Nos. 629(810), 164401, 164520, 164705 and two 227(809)
164966	3052	Feed Lifting and Knife (movable) Eccentric
164375	—	Looper (right hand)
164056	3048	" ( " " ) Carrier with 50370(830)
164828	3048	" ( " " ) " Connection
164829	—	" ( " " ) " " and Guide Bar Nos. 1700(809), 50420(830), 164785, 164786 and 164828
164952	3048	Looper (right hand) Carrier Connection Guide Bar Bracket with 462(830) and 51369(803)

# PARTS FOR MACHINE No. 246K45

Part No.	Plate	Description
51369(803)	3052	Looper (right hand) Carrier Connection Guide Bar Bracket Clamping Screw
914(803)	3048	Looper (right hand) Carrier Connection Guide Bar Bracket Screw (left)
1057(830)	3048	Looper (right hand) Carrier Connection Guide Bar Bracket Screw (right)
164785	3048	Looper (right hand) Carrier Connection Guide Bar Oil Controlling Screw Seat (brass)
50420(830)	3048	Looper (right hand) Carrier Connection Guide Bar Oil Plug Screw
1700(809)	3048	" ( " " ) " " " " Plug Screw Nut
164786	3048	" ( " " ) " " " " Oil Wick
462(830)	3048	" ( " " ) " " " " Set Screw
164061	—	" ( " " ) " " Hinge Stud with 1019(830)
164397	3048	" ( " " ) " " " " Adjusting Pin
1019(830)	—	" ( " " ) " " " " Adjusting Pin Set Screw
1443(809)	3048	" ( " " ) " " Hinge Stud Cap Screw
132565	3048	" ( " " ) " Hinge Pin
165000	—	" ( " " ) " " " Oil Pad (felt)
50370(830)	3048	" ( " " ) " " " Set Screw
164062	3048	" ( " " ) Driving Lever with 1083(803) and two 140596(830)
164953	—	Looper (right hand) Driving Lever 164062 with 1443(809), 1700(809), 132565, 164056, 164061, 164068, 164397, 164829 and 164952
1083(803)	3048	Looper (right hand) Driving Lever Clamping Screw
140596(830)	3048	" ( " " ) " Set Screw
164063	3048	" ( " " ) " Shaft
164049	3048	" ( " " ) " Bushing (back)
140394(805)	3048	" ( " " ) " " ( " ) Cap Screw
164293	3048	" ( " " ) " " ( " ) " Washer (fibre)
164738	3048	" ( " " ) " " (front)
164066	3048	" ( " " ) " Crank with 1083(803)
164216 -002	—	" ( " " ) " " 164066 with 164052-002
1083(803)	3048	" ( " " ) " Clamping Screw
164052-002	3052	Looper (right hand) Driving Shaft Crank Connection with two each 171(830) and 140159(830)
171(830)	3052	Looper (right hand) Driving Shaft Crank Connection Cap (lower) Screw
140159(830)	3052	" ( " " ) " " Connection Cap (upper) Screw
164067	3048	" ( " " ) " " Key
1324(803)	3048	" ( " " ) " " Screw
45057	3048	" ( " " ) " " Washer
164053	3048	" ( " " ) " " Thrust Bearing
164739	3048	" ( " " ) " " Oil Ring (rubber)
164740	3048	" ( " " ) " " Spacer
164068	3048	" ( " " ) Locking Screw Stud
1700(809)	3048	" ( " " ) " " Nut
164219	3048	" ( " " ) Position Collar with 904(830)
904(830)	3048	" ( " " ) " Set Screw



# PARTS FOR MACHINE No. 246K45

Part No.	Plate	Description
164085 (809)	3055	Machine Frame Oil Splash Guard (top)
164967	3052	" " Rotary Shaft
164968-002	—	Machine Frame Rotary Shaft 164967 with 164097, 164215-002, 164216-002, 164217, two each 164093 and 164232
Catalogue 1265	—	Needle, size 18 (151 × 7)
164378	3058	Presser Foot Body
164379	3058	" " Chaining-off Finger
164360	3058	" " Guide
50169 (809)	3058	" " " Screw
164380	3058	Presser Foot, complete, Nos. 50169(809), 50225(809), 164147, 164360, 164378 and 164379
164157	3063	Tension (light) Spring
164160	3063	Tension (light) complete, Nos. 59537, 164156 to 164158 and two 2102
164151	3047	Thread (needle) Controller
164227	3058	Throat Plate

# Fittings

## MACHINE No. 246K42

For Sewing Pockets and Pillow Cases for Three-Thread Stitch (Type No. 504)

Part No.	Plate	Description
164318	3047	Feed Dog 21 Teeth (16 teeth to the inch)
164550	3055	Knife (movable)
164055	3048	Looper (right hand)
164151	3047	Thread (needle) Controller
164228	3047	Throat Plate

## MACHINE No. 246K42

For Sewing Interlining and Lining Together for Two-Thread Stitch (Type No. 503)

164295	3062	Feed Dog, 18 teeth (12 teeth to the inch)
164145	3047	Presser Foot Body
164220	3047	" " Chain Cutter Friction Plate
164221	3047	" " " " Knife
51306(805)	3047	" " " " " Screw
164360	3058	" " Guide
50169(809)	3047	" " " " Screw
164362	—	Presser Foot with Chain Cutter, complete, Nos. 50169(809), 50225(809), 51306(805), 164145 to 164147, 164220, 164221 and 164360

## MACHINE No. 246K42

For Three-Thread Purl-on-Edge Stitch (Type No. 505)

164279	—	Feed Dog Section (left)
164280	—	" " " (right)
1100(830)	—	" " " ( " ) Screw
164281	—	Feed Dog, complete, Nos. 1100(830), 164279 and 164280
164972	—	Presser Bar (off-set, swing-out)
164282	—	" Foot Chaining-off Finger
164263	—	" " Clamping Plate
164283	—	" " Plate
164284	—	Presser Foot, complete, Nos. 50225(809), 164263, 164282 and 164283
164290	3061	Throat Plate
164612	3047	" " Guide with 853(830)

# Fittings

## MACHINE No. 246K43

For Inserting Elastic, 1/8" to 3/16" and for Stitching Through Tape  
3/16" wide

For Rayon and Light Medium-Weight Sweater Materials for Three-  
Thread Purl-on-Edge Stitch (Type No. 505)

Part No.	Plate	Description
164337	3058	Guide for Cord Elastic and Tape
51614(809)	3061	Guide Nut
164338	3061	Presser Foot Body
164339	3061	" " Chaining-off Finger
164340	3061	" " Clamping Plate
164341	3061	Presser Foot Guide (adjustable) for stitching through tape 3/16" wide
164342	3061	Presser Foot Guide (adjustable) for use when inserting elastic 1/8" to 3/16" wide
50169(809)	3061	Presser Foot Guide (adjustable) Screw
164343	3061	Presser Foot, complete, Nos. 50169(809), 50225(809) and 164338 to 164342

## MACHINE No. 246K43

For Rayon, Glove Silk and Lightweight Materials  
For Three-Thread Tight Stitch (Type No. 504)  
For 3/32" Bight

164267	3062	Throat Plate
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## MACHINE No. 246K43

For Light and Medium Sweater Materials  
For Three-Thread Tight Stitch (Type No. 504)  
For 3/32" Bight

164222	3062	Feed (back) Dog Section (left)
164223	3062	" ( " ) " " (right)
164224	3062	Feed (back) Dog, complete, Nos. 1100(830), 164222 and 164223
165105	3062	Feed (front) Dog
164556	3058	Knife (movable, serrated)
164360	3058	Presser Foot Guide
164362	—	Presser Foot with Chain Cutter, complete, Nos. 50169(809), 50225(809), 51306(805), 164145 to 164147, 164220, 164221 and 164360
164226	3061	Throat Plate



# MACHINE No. 246K43—Continued

For Light and Medium Sweater Materials  
For Three-Thread Tight Stitch (Type No. 504)  
For 1/8" Bight

Part No.	Plate	Description
164222	3062	Feed (back) Dog Section (left)
164223	3062	" ( " ) " " (right)
164224	3062	Feed (back) Dog, complete, Nos. 1100(830),164222 and 164223
165105	3062	Feed (front) Dog
164558	3058	Knife (movable, serrated)
164360	3058	Presser Foot Guide
164362	—	Presser Foot with Chain Cutter, complete, Nos. 50169(809), 50225(809),51306(805),164145 to 164147, 164220, 164221 and 164360
164227	3058	Throat Plate

## MACHINE No. 246K43

For Light and Medium Sweater Materials  
For Three-Thread Tight Stitch (Type No. 504)  
For 5/32" Bight

164222	3062	Feed (back) Dog Section (left)
164223	3062	" ( " ) " " (right)
164224	3062	Feed (back) Dog, complete, Nos. 1100(830),164222 and 164223
165105	3062	Feed (front) Dog
164558	3058	Knife (movable, serrated)
164360	3058	Presser Foot Guide
164362	—	Presser Foot with Chain Cutter, complete, Nos. 50169(809), 50225(809),51306(805),164145 to 164147, 164220, 164221 and 164360
164228	3047	Throat Plate

## MACHINE No. 246K43

For Foundation Garments  
For Two-Thread Stitch (Type No. 503)

164322	—	Feed (back) Dog Section (left)
164323	—	" ( " ) " " (right)
164324	—	Feed (back) Dog, complete, Nos. 1100(830),164322 and 164323
164325	—	Feed (front) Dog
164258	3047	Presser Bar (swing-out)
164259	3047	" Foot Body
164260	3047	" " Chain Cutter Friction Plate
164261	3047	" " " " Knife
164262	3047	" " Chaining-off Finger
164263	3047	" " Clamping Plate
164264	3047	Presser Foot, complete, Nos. 50225(809), 51306(805) and 164259 to 164263
164252	3048	Spreader
164290	3061	Throat Plate
164612	3047	" " Guide with 853(830)

# MACHINE No. 246K43—Continued

## For Foundation Garments For Three-Thread Stitch (Type No. 504)

Part No.	Plate	Description
164322	—	Feed (back) Dog Section (left)
164323	—	" ( " ) " (right)
164324	—	Feed (back) Dog, complete, Nos. 1100(830), 164322 and 164323
164325	—	Feed (front) Dog
164258	3047	Presser Bar (swing-out)
164259	3047	" Foot Body
164260	3047	" Chain Cutter Friction Plate
164261	3047	" " " Knife
164262	3047	" Chaining-off Finger
164263	3047	" Clamping Plate
164264	3047	Presser Foot with Chain Cutter, complete, Nos. 50225(809), 51306(805) and 164259 to 164263
164290	3061	Throat Plate
164612	3047	" Guide with 853(830)

# MACHINE No. 246K43

## For Trimming and Folding the Edge and Overedging Curtains For Two-Thread Stitch (Type No. 503)

164311	3062	Guide (swing-out) with Arm and Holder, complete (for details see page 32)
164392	—	Presser Foot Chaining-off Finger
164393	—	Presser Foot with Chain Cutter, complete, Nos. 50169(809), 50225(809), 51306(805), 164145, 164147, 164149, 164220, 164221 and 164392
164252	3048	Spreader
164404	—	Tension (looper thread) Spring
164662	—	Throat Plate with 164663
164663	—	" Thread Finger

# MACHINE No. 246K43

## For Joining Lace to Undergarments For Two-Thread Stitch (Type No. 503)

164279	—	Feed Dog Section (left)
164280	—	" " (right)
1100(830)	—	" " ( " ) Screw
164281	—	Feed Dog, complete, Nos. 1100(830), 164279 and 164280
164530	3062	Guide (swing - out)
164297	3062	" ( " ) Arm
164298	3062	" ( " ) " Holder
50267(813)	3062	" ( " ) " " Screw
164541	3062	" ( " ) " Lock Spring
1423(809)	3062	" ( " ) " " " Screw
1550(809)	3062	" ( " ) " " " " Nut
1425(809)	3062	" ( " ) Hinge Screw
42436	3062	" ( " ) " Washer
1443(809)	3062	" ( " ) Screw

# MACHINE No. 246K43—Continued

Part No.	Plate	Description
164432	—	Guide (swing-out) Separating Blade
164436	—	" ( " ) " " Holder
228(809)	—	" ( " ) " " " Screw
164433	—	Guide (swing-out) with Arm, Holder and Separating Blade, complete, Nos. 228(809), 1423(809), 1425(809), 1550(809) 42436, 164297, 164298, 164432, 164436, 164530, 164541 and two 1443(809)
164258	3047	Presser Bar (swing-out)
164259	3047	" Foot Body
164260	3047	" " Chain Cutter Friction Plate
164261	3047	" " " " Knife
164262	3047	" " Chaining-off Finger
164263	3047	" " Clamping Plate
164264	3047	Presser Foot with Chain Cutter, complete, Nos. 50225(809) 51306(805) and 164259 to 164263
164252	3048	Spreader
164434	—	Throat Plate
164612	3047	" " Guide with 853(830)

## MACHINE No. 246K43

For Stitching Through 1/16" Cord, 1/8" Bight  
For Three-Thread Stitch (Type No. 504)

164337	3058	Cord Guide
51614(809)	3061	" " Nut
164222	3062	Feed (back) Dog Section (left)
164223	3062	" ( " ) " (right)
164224	3062	Feed (back) Dog, complete, Nos. 1100(830), 164222 and 164223
165105	3062	Feed (front) Dog
164338	—	Presser Foot Body
164485	—	" " Chaining-off Finger and Cord Guide
164340	—	" " Clamping Plate
164341	—	" " Guide (adjustable)
218(809)	3061	" " " ( " ) Screw
164486	—	Presser Foot with Chain Cutter and Cord Guide, complete, Nos. 218(809) 50225(809), 164338, 164340, 164341 and 164485
164487	—	Throat Plate

## MACHINE No. 246K43

For Lingerie, Crepe de Chine, Silk, Rayon and Nylon, 1/16" Bight  
For Three-Thread Tight Stitch (Type No. 504)

164254	3047	Feed (back) Dog Section (left)
164255	3047	" ( " ) " " (right)
164256	3047	Feed (back) Dog, complete, Nos. 1100(830), 164254 and 164255
164257	3047	Feed (front) Dog
164258	3047	Presser Bar (swing-out)
164477	—	" Foot Body
164260	3047	" " Chain Cutter Friction Plate
164261	3047	" " " " Knife



**MACHINE No. 246K43—Continued**

Part No.	Plate	Description
164478	—	Presser Foot Chaining-off Finger
164263	3047	" " Clamping Plate
164479	—	Presser Foot, complete, Nos. 50225(809), 51306(805), 164260, 164261, 164263, 164477 and 164478
164489	—	Throat Plate
164612	3047	" Guide with 853(830)

**MACHINE No. 246K43**

For Inserting Elastic or Tape 1/8" to 3/16" Wide and for Stitching  
Through Elastic or Tape 1/4" to 3/4" wide  
Three-Thread Purl-on-Edge Stitch (Type No. 505)

160591	3061	Elastic Guide (movable)
160592	3061	" " (stationary)
160593	3061	" " Bracket with 10248 and 120565
337(809)	3061	" " Screw
51614(809)	3061	" Tension Guide Nut
160594	3061	" " Plate
10248	3061	" " " Position Pin
120565	3061	" " " Spacing Washer
1560(803)	3061	" " " Tension Regulating Thumb Nut
916(803)	3061	" " " " Screw Stud
1547(809)	—	" " " " " " Nut
44209	—	" " " " " " 916(803)with 1560(803)
13710	3061	" " " " " Spring
160595	3061	Elastic Tension Guide, complete, Nos. 1547(809), 13710, 44209, 160591 to 160594 and four 337(809)
164222	3062	Feed (back) Dog Section (left)
164223	3062	" ( " ) " " (right)
164224	3062	Feed (back) Dog, complete, Nos. 1100(830), 164222 and 164223
165105	3062	Feed (front) Dog
164556	3058	Knife (movable, serrated)
164534	—	Presser Foot Body
164339	3061	" " Chaining-off Finger
164340	—	" " Clamping Plate
164535	—	" " Guide (adjustable, left)
164536	—	" " " ( " , right)
226(809)	—	" " " ( " ) Screw
164537	—	Presser Foot, complete, Nos. 226(809), 50225(809), 164339, 164340 and 164534 to 164536
164381	3062	Thread (needle) Controller
164440	3062	Throat Plate

**MACHINE No. 246K43**

For Continuous Gathering and Cuffing  
For Three-Thread Stitch (Type No. 504)

164543	3058	Feed (back) Dog Section (left)
164223	3058	" ( " ) " " (right)
164544	3058	Feed (back) Dog, complete, Nos. 1100(830), 164223 and 164543

# MACHINE No. 246K43—Continued

Part No.	Plate	Description
164545	3058	Feed (front) Dog
164556	3058	Knife (movable, serrated)
164546	3058	Presser Foot Body
164547	3058	" " Gathering Plate
662(809)	3058	" " " " Screw
164548	3058	Presser Foot, complete, Nos. 50225(809), 164147, 164546, 164547 and two 662(809)
164227	3058	Throat Plate

## MACHINE No. 246K43

For Lingerie, Crepe de Chine, Silk and Rayon

For Three-Thread Tight Stitch (Type No. 504)

For 3/32" Bight

164254	3047	Feed (back) Dog Section (left)
164255	3047	" ( " ) " " (right)
164256	3047	Feed (back) Dog, complete, Nos. 1100(830), 164254 and 164255
164257	3047	Feed (front) Dog
164258	3047	Presser Bar (swing-out)
164259	3047	" Foot Body
164260	3047	" " Chain Cutter Friction Plate
164261	3047	" " " " Knife
164262	3047	" " Chaining-off Finger
164263	3047	" " Clamping Plate
164264	3047	Presser Foot with Chain Cutter, complete, Nos. 50225(809), 51306(805) and 164259 to 164263
164265	3047	Throat Plate
164612	3047	" " Guide with 853(830)

## MACHINE No. 246K43

For Stretching and Inserting Elastic, 1/8" to 3/16" and for Stitching  
Through Tape 3/16" wide

For Rayon and Light and Medium Weight Sweater Materials

160591	3061	Elastic Guide (movable)
160592	3061	" " (stationary)
160593	3061	" " Bracket with 10248 and 120565
337(809)	3061	" " Screw
51614(809)	3061	" Tension Guide Nut
160594	3061	" " Plate
10248	3061	" " " Position Pin
120565	3061	" " " Spacing Washer
1560(803)	3061	" " " Tension Regulating Thumb Nut
916(803)	3061	" " " " Screw Stud
1547(809)	—	" " " " " " Nut
44209	—	" " " " " " 916(803) with 1560(803)
13710	3061	" " " " " Spring
160595	3061	Elastic Tension Guide, complete, Nos. 1547(809), 13710, 44209, 160591 to 160594 and four 337(809)

**MACHINE No. 246K43—Continued**

Part No.	Plate	Description
164338	3061	Presser Foot Body
164339	3061	" " Chaining-off Finger
164340	3061	" " Clamping Plate
164341	3061	Presser Foot Guide (adjustable) for stitching through tape 3/16" wide
164342	3061	Presser Foot Guide (adjustable) for use when inserting elastic 1/8" to 3/16" wide
50169(809)	3061	Presser Foot Guide (adjustable) Screw
164343	3061	Presser Foot, complete, Nos. 50169(809), 50225(809) and 164338 to 164342

## **Fittings**

**MACHINE No. 246K45**

For Joining the Abutted Edges of Piece Goods  
For Two-Thread Stitch (Type No. 503)  
For 1/8" Bight

164295	3062	Feed Dog, 18 teeth (12 teeth to the inch)
164311	3062	Guide (swing-out) with Arm and Holder, complete (for details see page 32)
50267(813)	3062	Guide (swing-out) Screw
164492(809)	3062	Machine Frame Oil Splash Guard (top)
164471	3062	Presser Foot Body
164442	3062	" " Chaining-off Finger
164310	3062	" " Guide
218(804)	3062	" " " Screw
164583	3062	Presser Foot, complete, Nos. 218(804), 50225(809), 164147, 164310, 164442 and 164471
164476	3062	Presser Foot Thread Chain Guard
140180(809)	3062	" " " " " Screw
164444	3062	Spreader
164381	3062	Thread (needle) Controller
164440	3062	Throat Plate

**MACHINE No. 246K45**

For Serging  
For Three-Thread Tight Stitch (Type No. 540)  
For 3/16" Bight

165107	3062	Feed Dog
164311	3062	Guide (swing-out) with Arm and Holder, complete (for details see page 32)
50267(813)	3062	Guide (swing-out) Screw
164492	3062	Machine Frame Oil Splash Guard (top)
164471	3061	Presser Foot Body
164146	3061	" " Chaining-off Finger
164303	3061	" " Guide
218(804)	3061	" " " Screw



# MACHINE No. 246K45—Continued

Part No.	Plate	Description
164475	3061	Presser Foot, complete, Nos. 218(804), 50225(809), 164146, 164147, 164303 and 164471
164476	3062	Presser Foot Thread Chain Guard
140180(809)	3062	" " " " " Screw
164440	3062	Throat Plate

## Accessories

164203	3045	Feed Eccentric Extractor (not regularly furnished with machine)
164460	3045	Gauge for 246K45 Machine (not regularly furnished with machine)
164592	3045	Gauge for 246K42 and 246K43 Machines (not regularly furnished with machines)
Catalogue 1265	—	Needles, six, size 11 (151 x 7) for 246K43 Machine
Catalogue 1265	—	Needles, six, size 14 (151 x 7) for 246K42 Machine
Catalogue 1265	—	Needles, six, size 18 (151 x 7) for 246K45 Machine
120342	3045	Oiler
164198	3045	Presser Bar Lifting Chain Spring (under Table)
85318	3045	Screw Driver
164196	3045	Threader (6)
81350-011	—	Tin of Oil (1 pint, Type H)
164204	3045	Tweezers
10875	3045	Wrench
164197	3045	Wrench (socket)
164831	3045	Wrench for 246K42 Machine

## BELT GUARD (Adjustable) (Supplied with machine)

164183	3049	Belt Guard
164199	3049	" " Bracket (back)
164200	3049	" " " (front)
51326(809)	3049	" " Screw
164201	3049	Belt Guard (adjustable) complete, Nos. 164183, 164199, 164200, two each 51326(809) and wood screws 3/4" No. 7 F.H.

## CHIP CHUTE

(Supplied only when specified on order at no extra charge)

168198	3049	Chip Chute with four wood screws 3/8" No. 6 F.H. Blacked
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## FOOT LIFTER PARTS

NOTE.—The stands recommended for machines of Class 246K include a suitable treadle. If machine is fitted on a stand or other equipment which does not include a foot lifter treadle, orders should state that No. 4885 is to be supplied and it will be furnished without extra charge.

Part No.	Plate	Description
6439	3049	Chain 36" to 45" with 56864 and 56865 NOTE.—When ordering No. 6439, give length required.
4879	3049	Chain Connecting Link
56864	3049	" Hook (large)
56865	3049	" " (small)
4881	3049	Treadle
4882	3049	" Shaft
4883	—	" Spring
4884	3049	" Stand
4885	3049	Treadle, complete, Nos. 4879, 4881 to 4884 and two wood screws 1" No. 16 F.H.

## KNEE LIFTER PARTS

(Will be supplied in place of Foot Lifter if specified on order)

59324	3059	Chain (8" long) with 56865
56865	3059	" Hook (small)
2763	3059	Rock Shaft
12242	3059	" " Hanger with two wood screws 1" No. 10
143283	3059	" " Knee Arm
143284	3059	" " " " Hub with 356(803) and 140351(830)
140351(830)	3059	" " " " Clamping Screw
356(803)	3059	" " " " Set Screw
143285	—	Rock Shaft Knee Arm, complete, Nos. 2767, 143283 and 143284
2767	3059	" " " Plate with 356(803)
356(803)	3059	" " " " Set Screw
6337	3059	" " Lifting Bracket with two 356(803)
164729	3059	" " " " Hook
356(803)	3059	" " " " " Set Screw
356(803)	3059	" " " " " Set Screw
2770	3059	" " Stop Dog with 356(803)
356(803)	3059	" " " " " Set Screw
164727	3059	Knee Lifter, complete, Nos. 2763, 6337, 59324, 143285, 164729, two each 2770 and 12242

## MACHINE BASE

(Supplied with machine)

164184	3049	Machine Base with two each wood screws 3/4" No. 8 R.H. and 1 1/4" No. 6 F.H.
164188	3049	Machine Cushion (large) (2)
164189	3049	" " (small) (2)
140418(805)	3052	" Screw Stud (back)
657(805)	3052	" " " (front)

# THREAD UNWINDER No. 151031

## FOR THREE SPOOLS

(Supplied with Machine)

Part No.	Plate	Description
228692	24764	Spool Pin
201528(819)	—	" " Nut
82538	—	" " Washer
151023	24764	Spool Rest with 858(830), three each 82538, 201528(819) and 228692
150203	24764	Spool Rest Cushion (felt)
858(830)	24764	" " Hub Set Screw
151024	24764	" " Rod
1122(803)	24764	" " " Set Screw
151025	24764	Spool Rest Stand with two 1122(803) and three wood screws 1" No. 12 F.H.
151026	24764	Thread Guide (lower)
50311(803)	24764	" " ( " ) Holder Set Screw
151027	24764	" " ( " ) Support with 50311(803)
151028	24764	" " (upper, hollow)
151029	24764	" " (upper) Holder with four 453(830)
151030	24764	" " Rod
453(830)	24764	" " " Set Screw
453(830)	24764	" " " Set Screw
151031	24764	Thread Unwinder, complete, Nos. 151023 to 151027, 151029, 151030, two each 150203 and 151028



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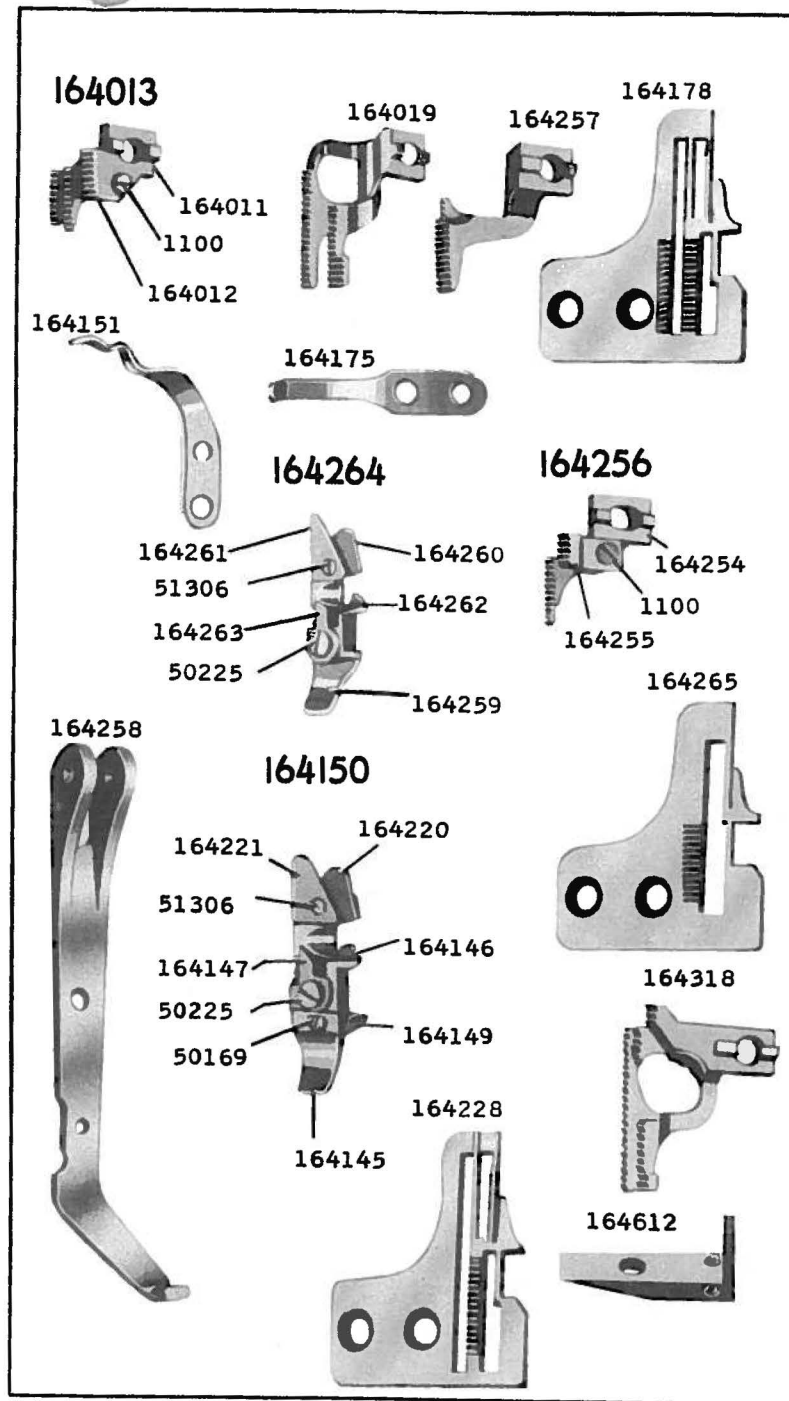


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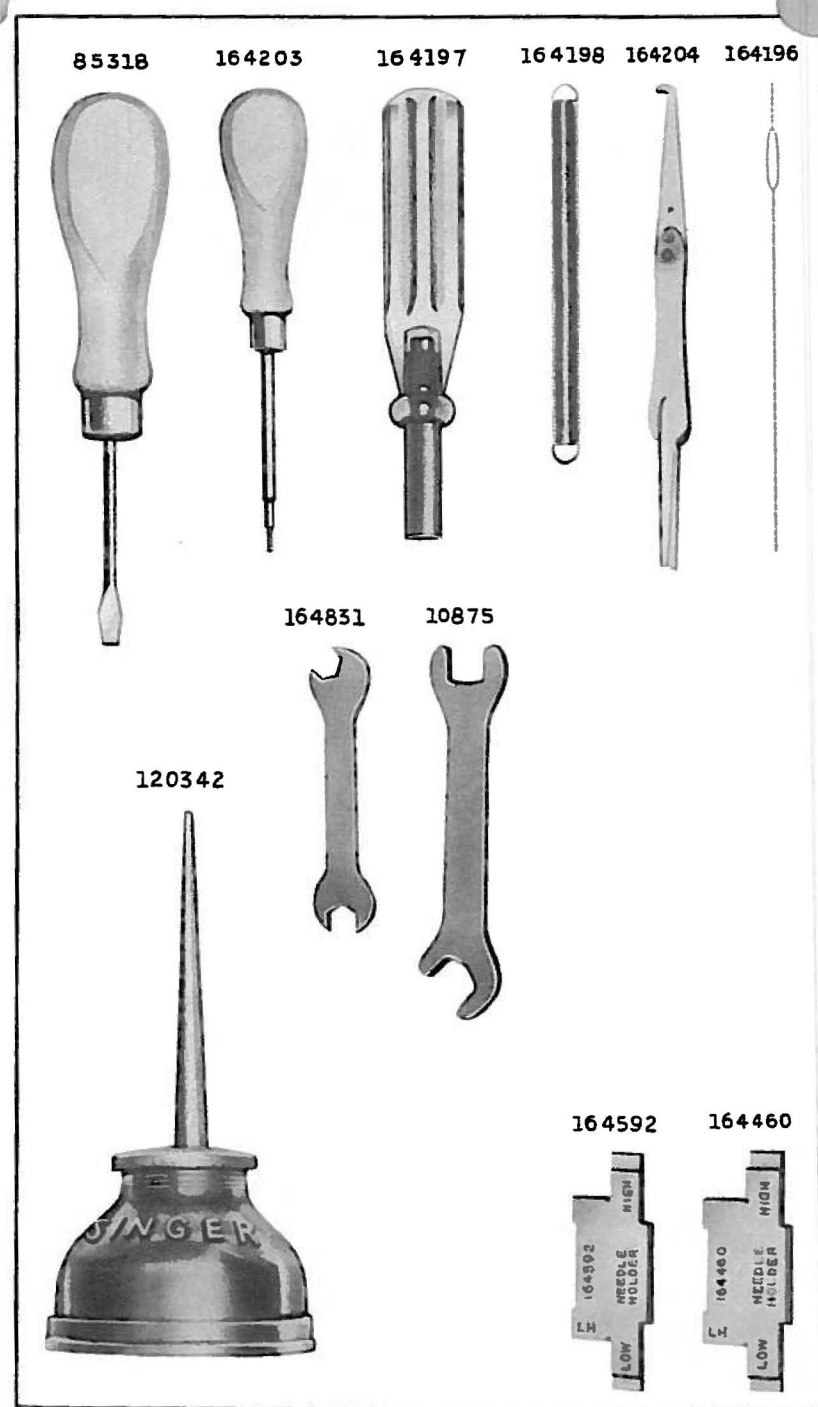
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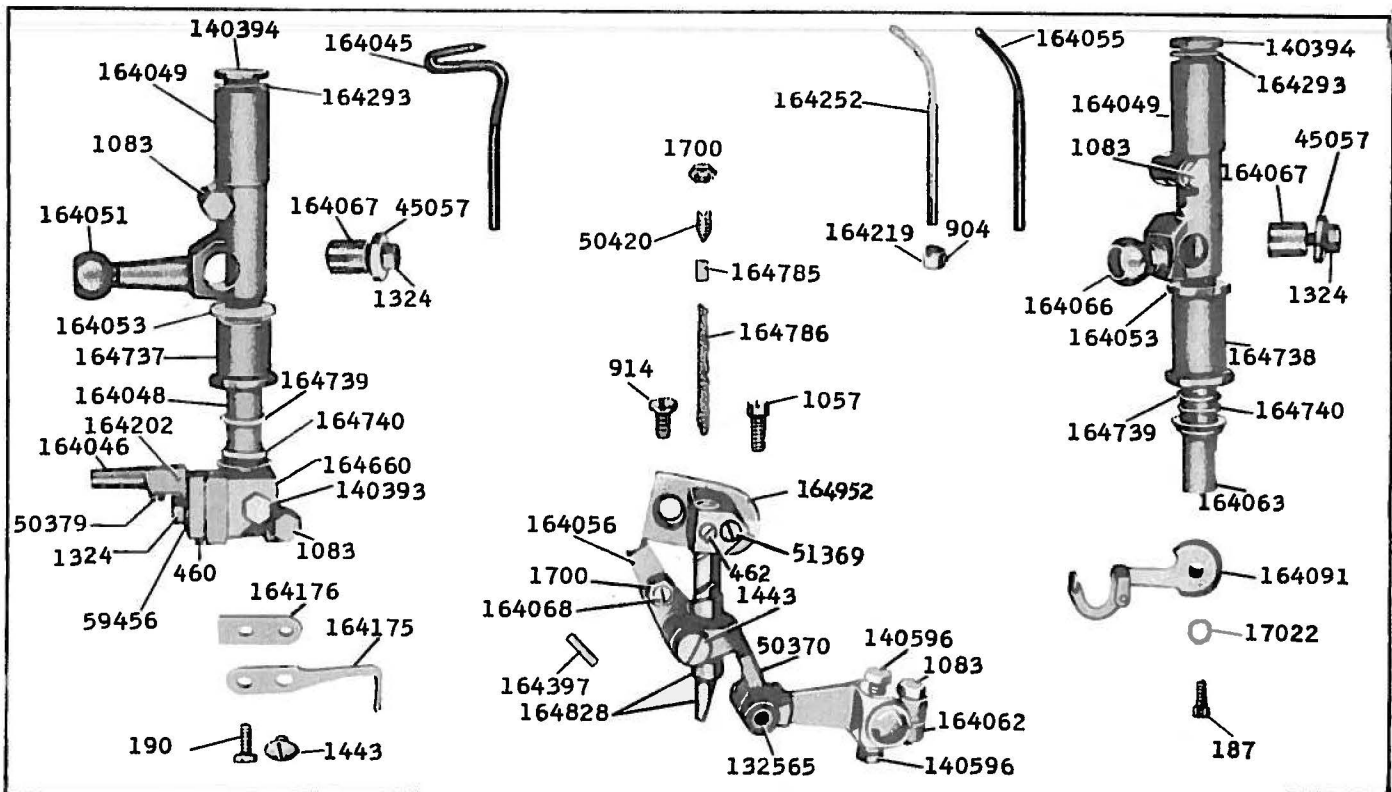
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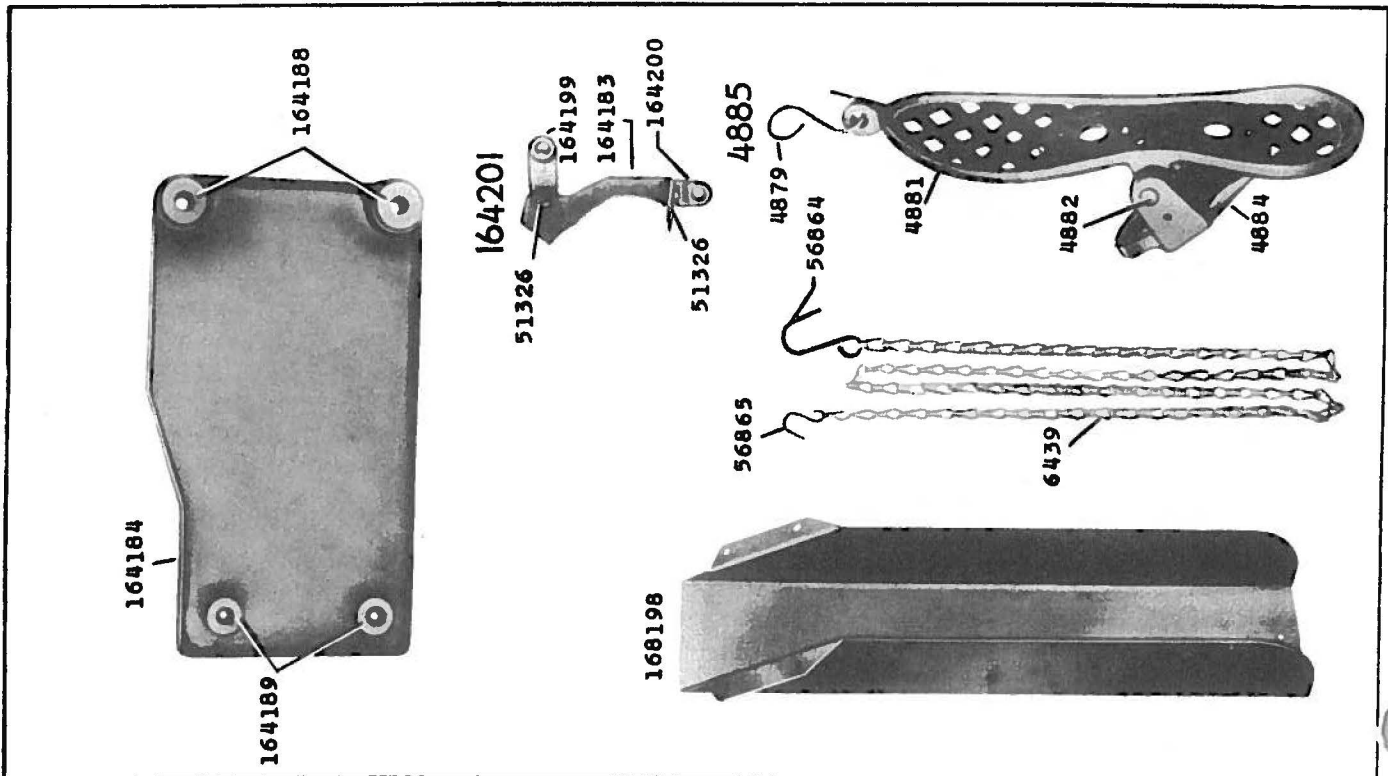


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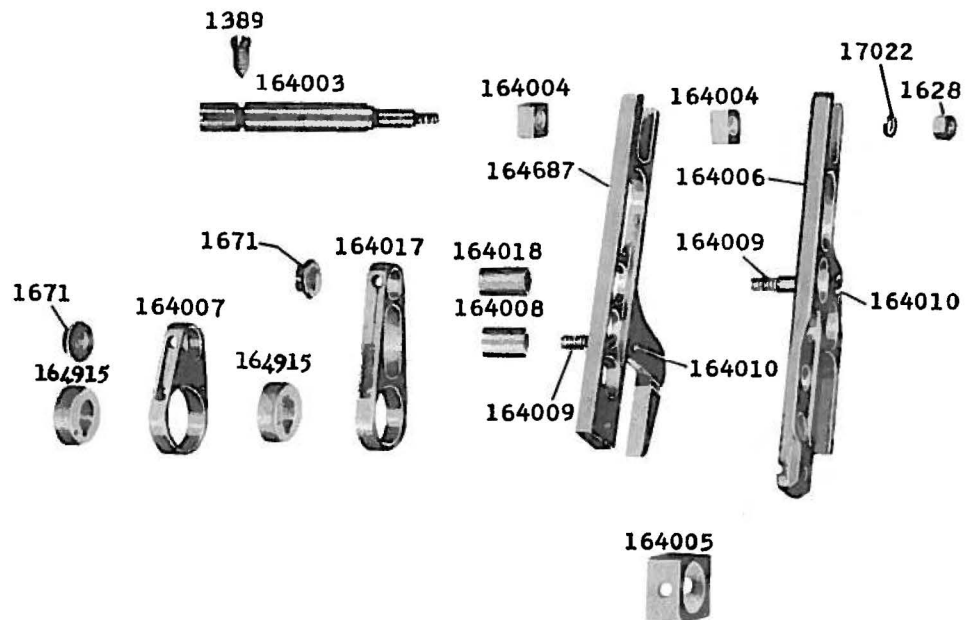


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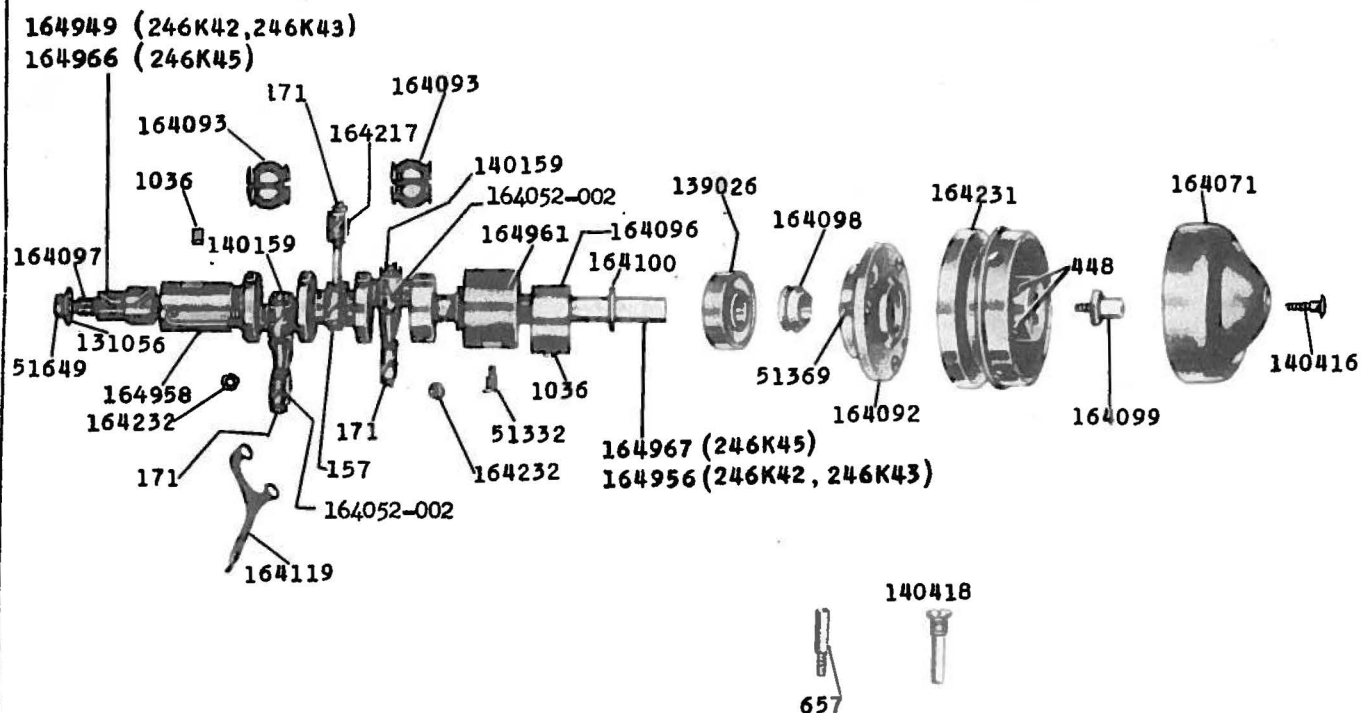


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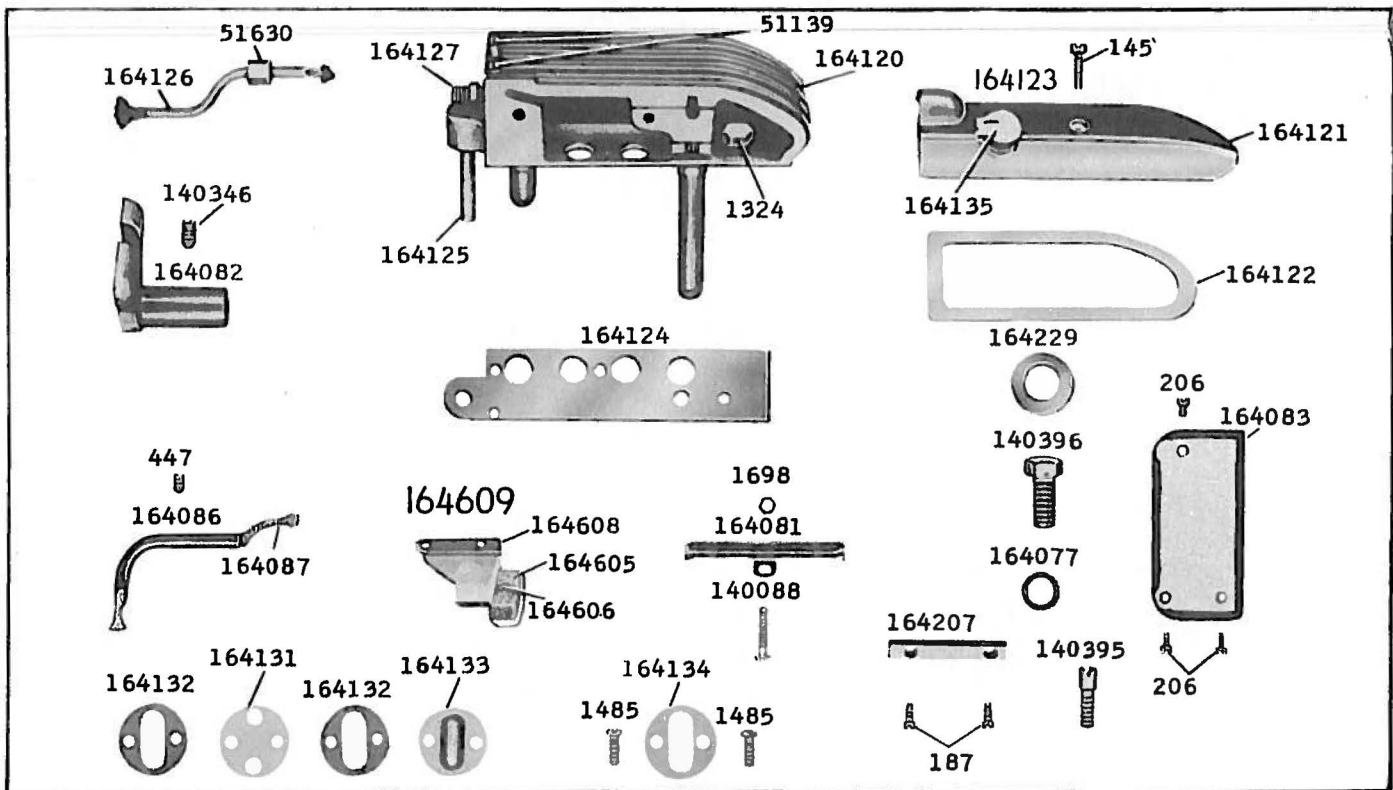


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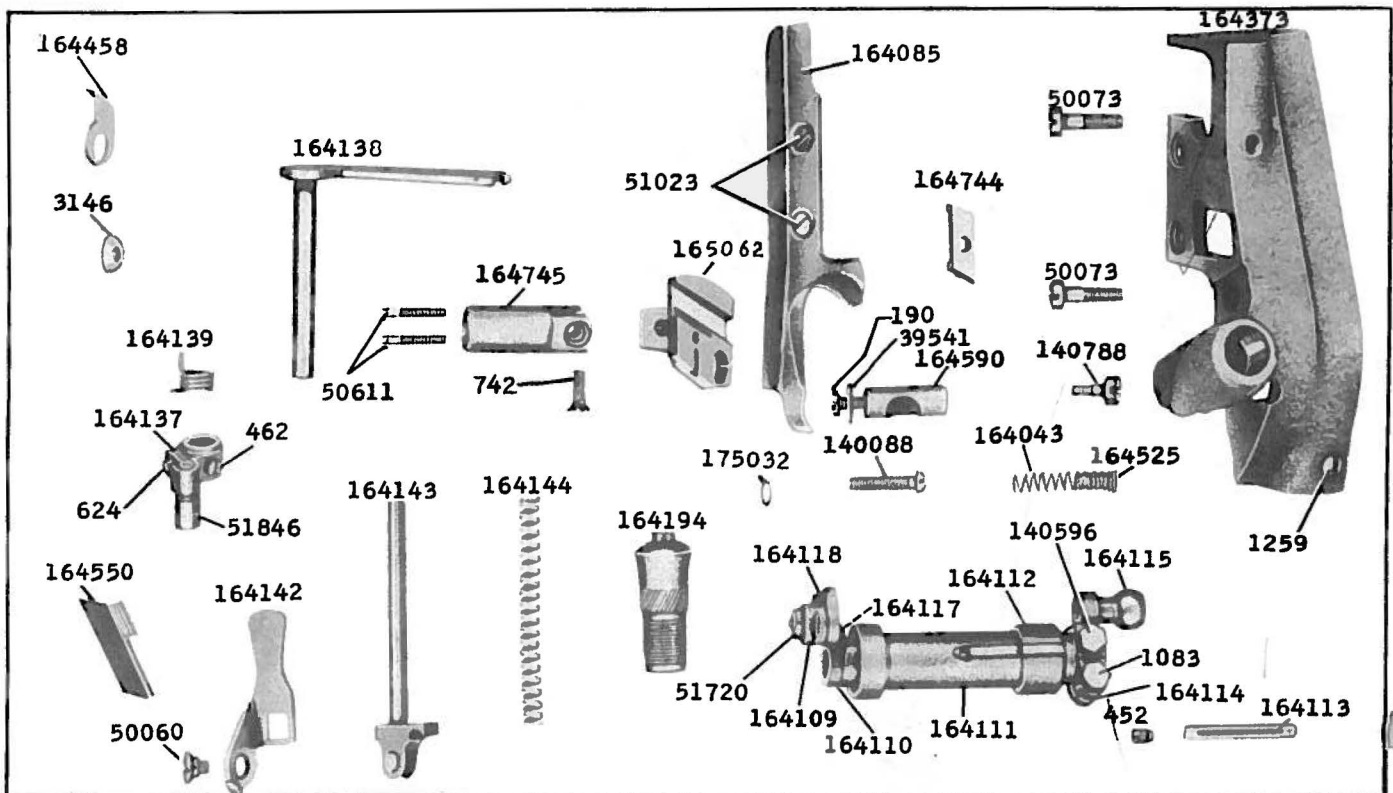


# ILLUSTRATIONS

3053—1/3

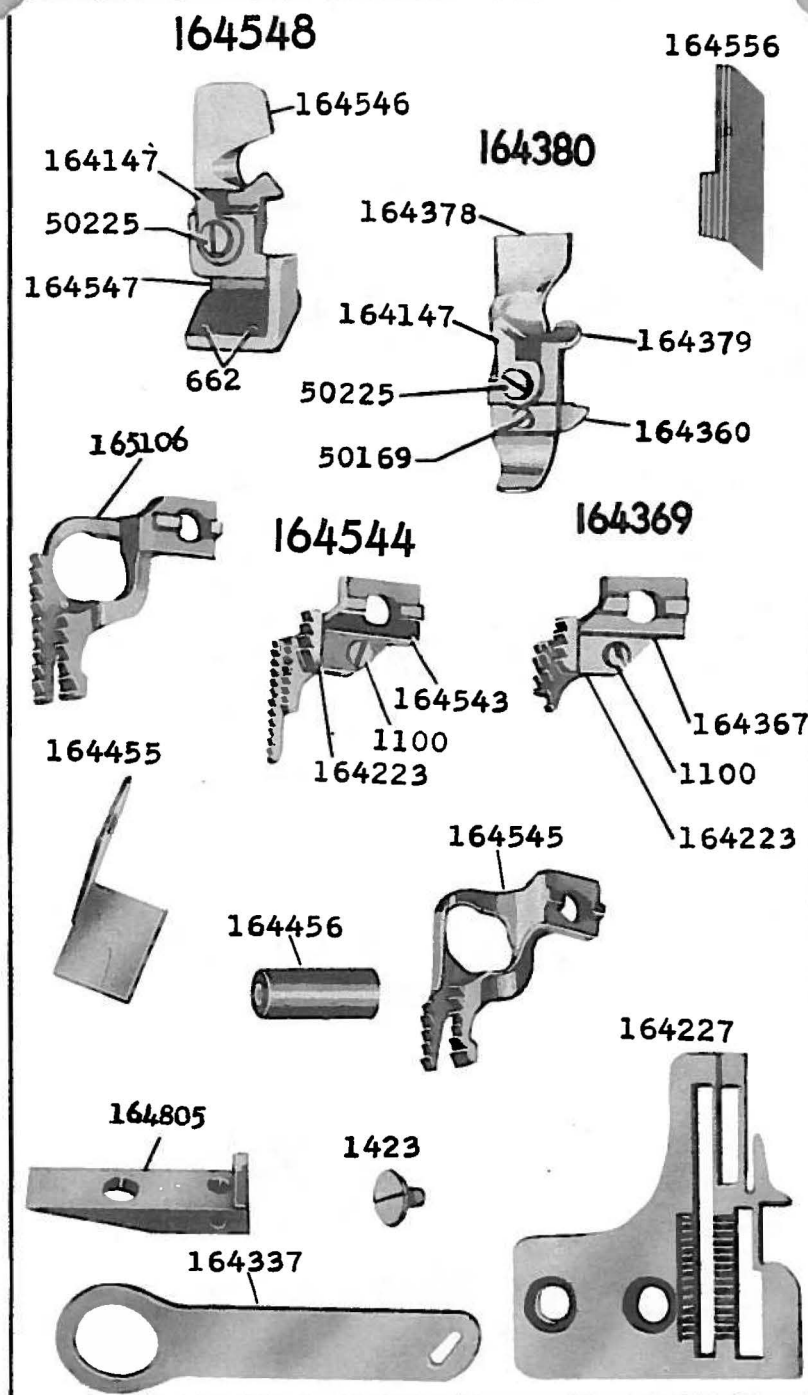


3055—1/2

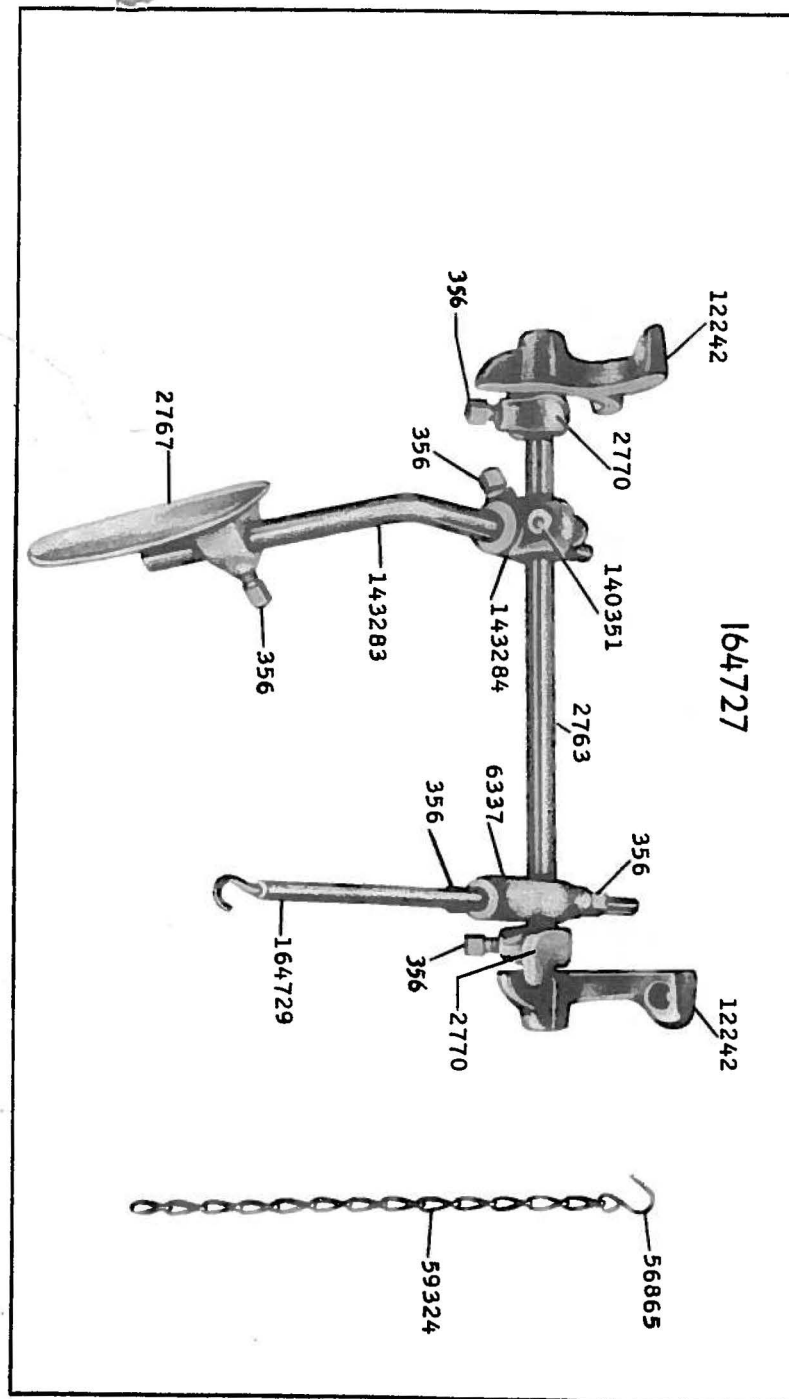


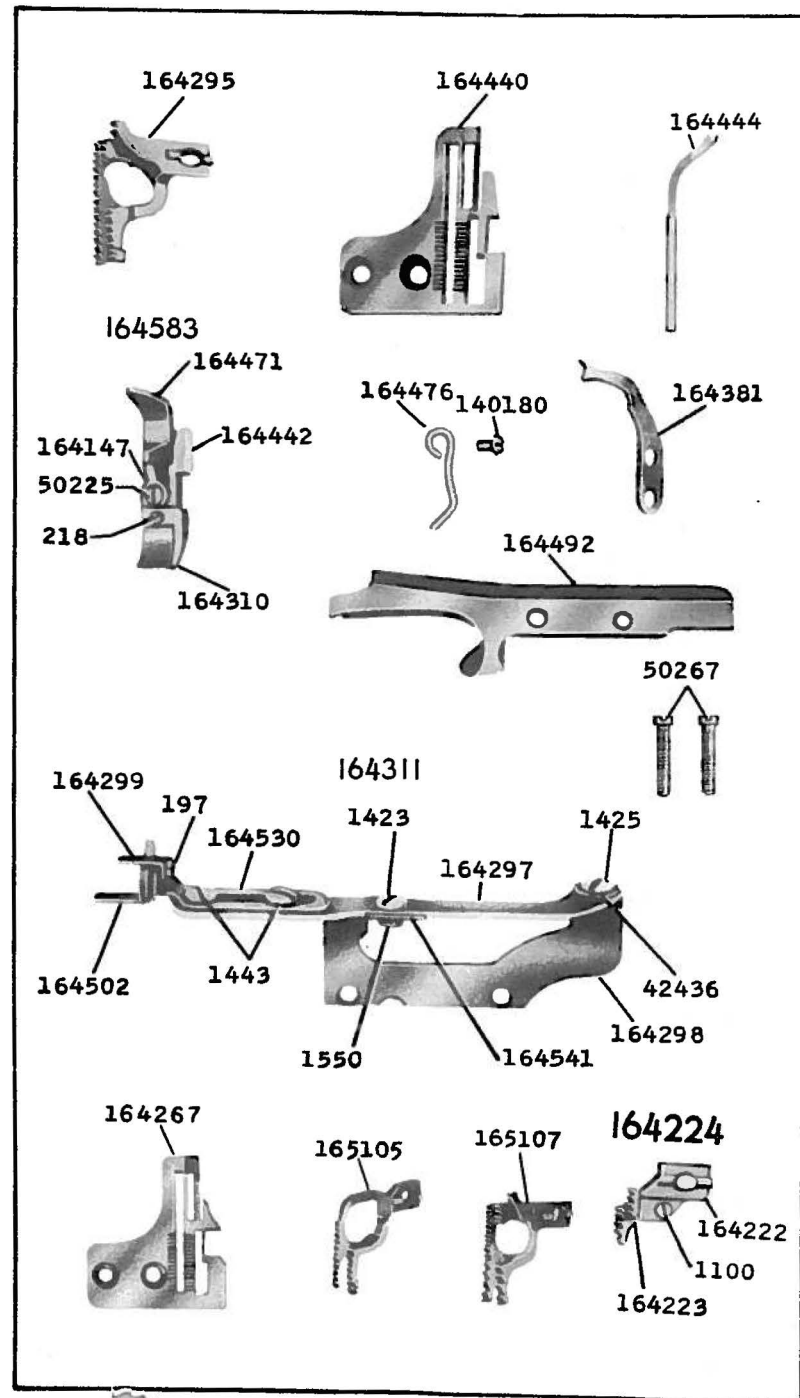


3058—2/3

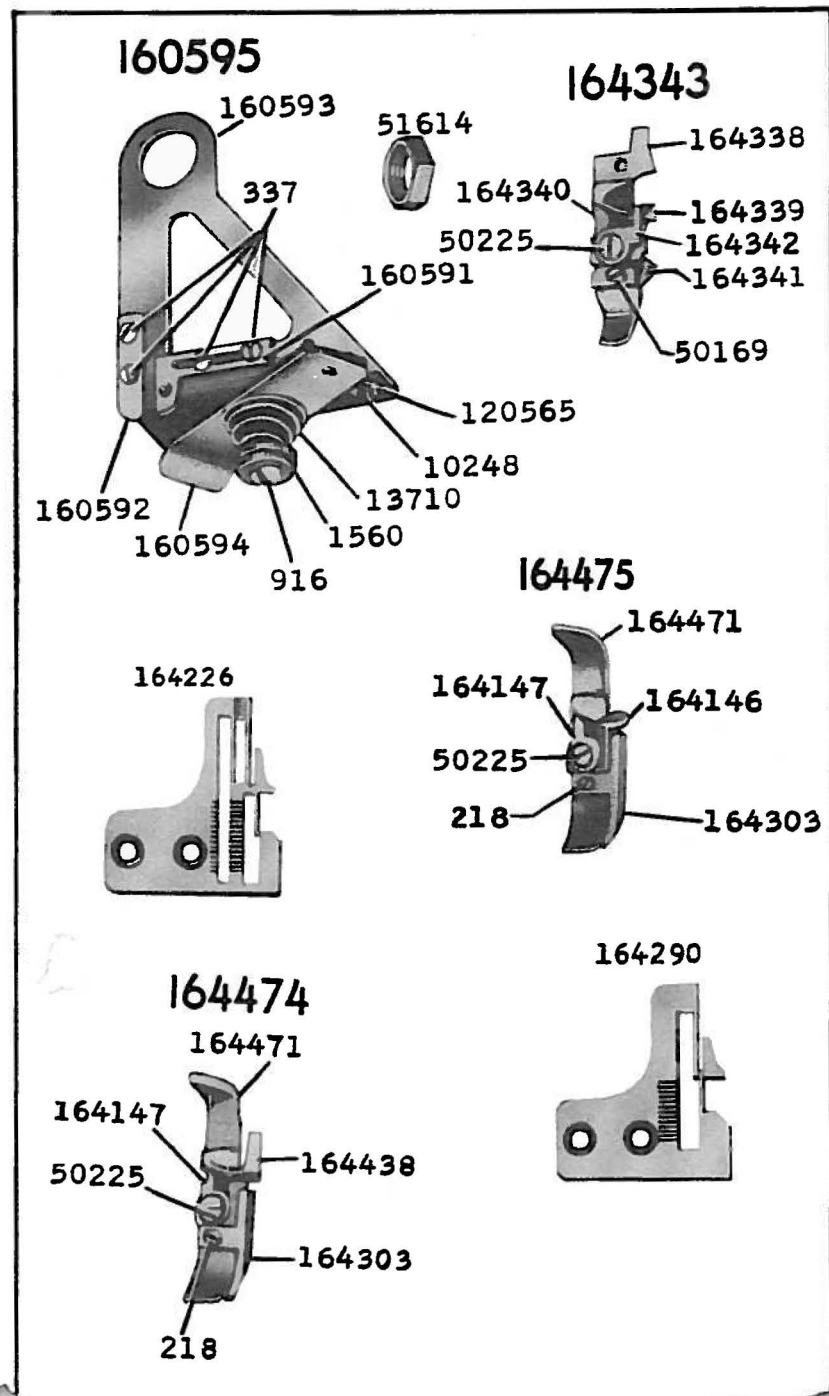


3059—1/3





3062-1/2

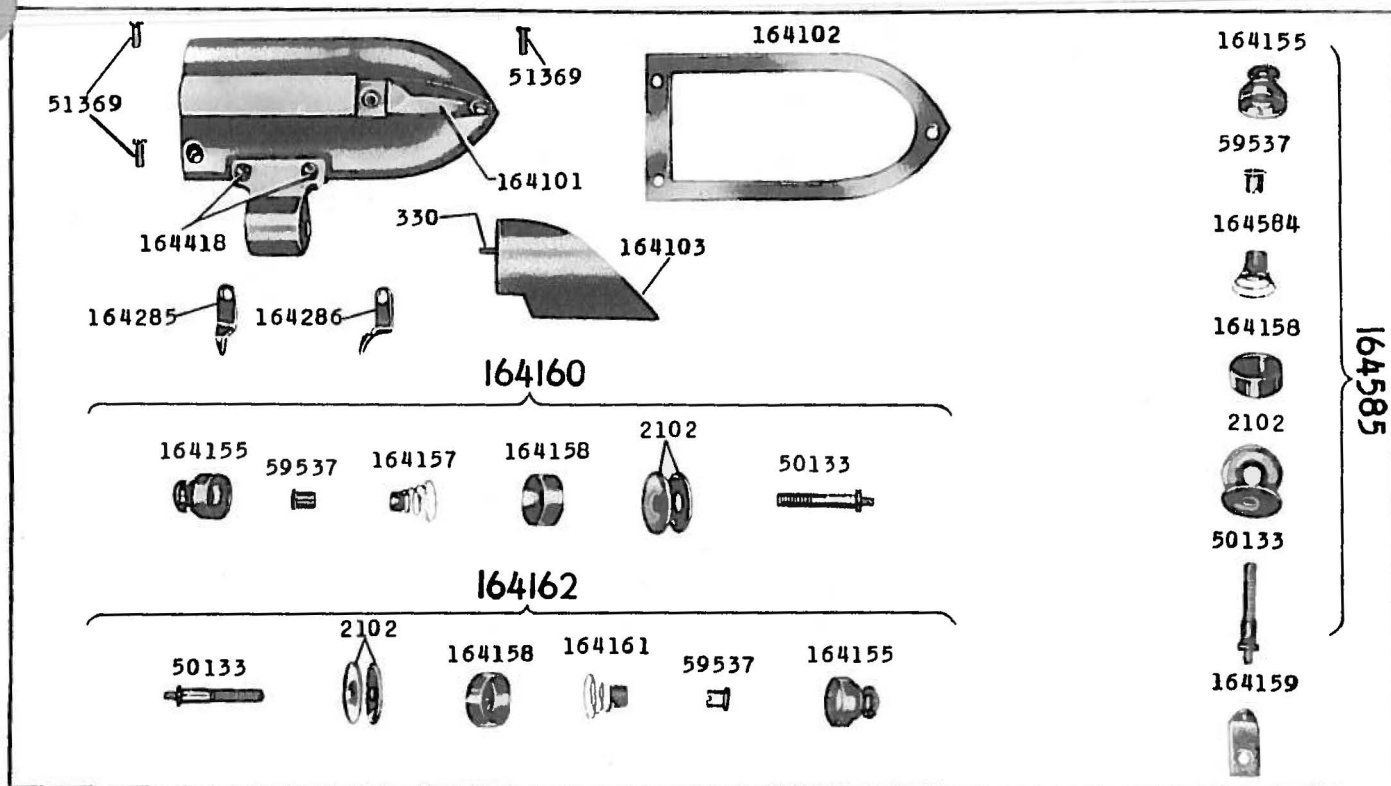


3061-1/2

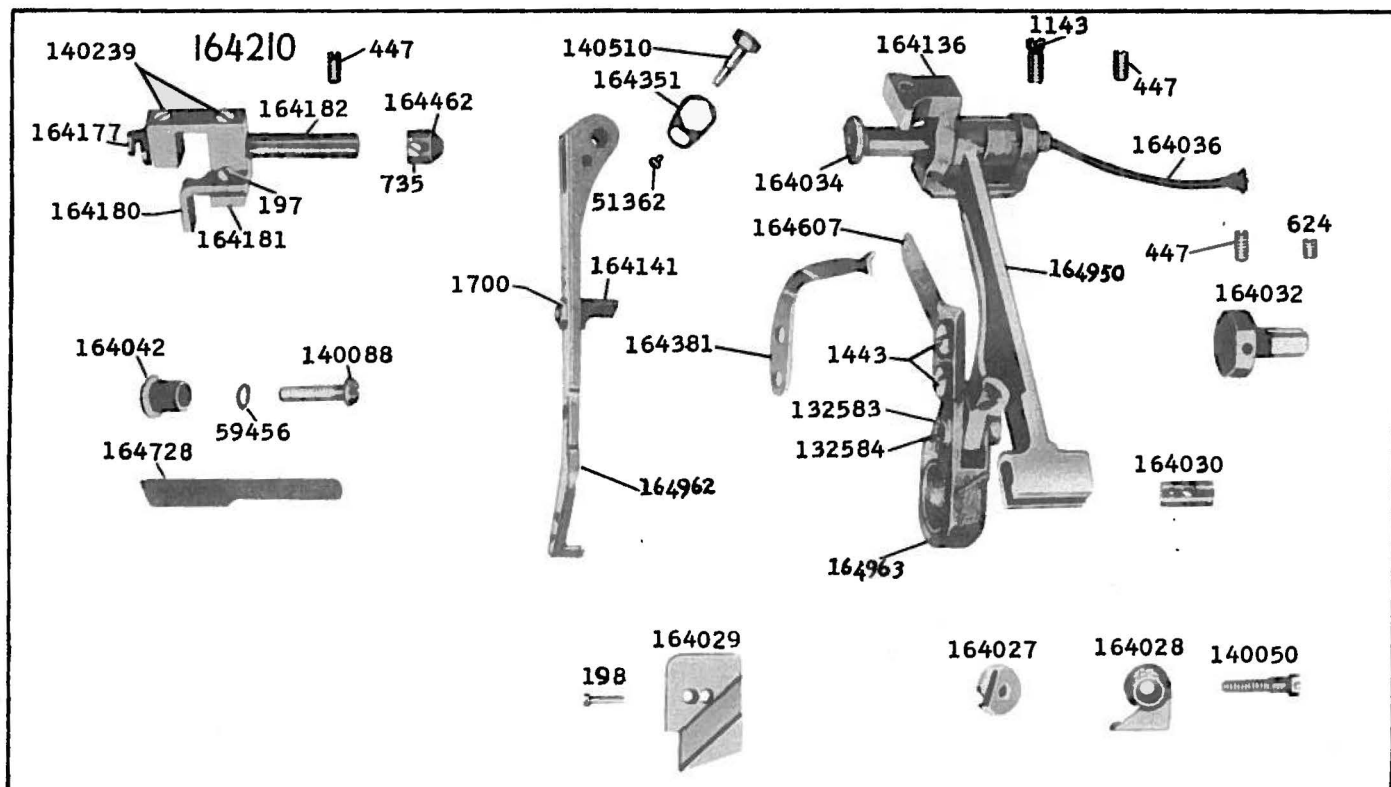
ILLUSTRATIONS

# ILLUSTRATIONS

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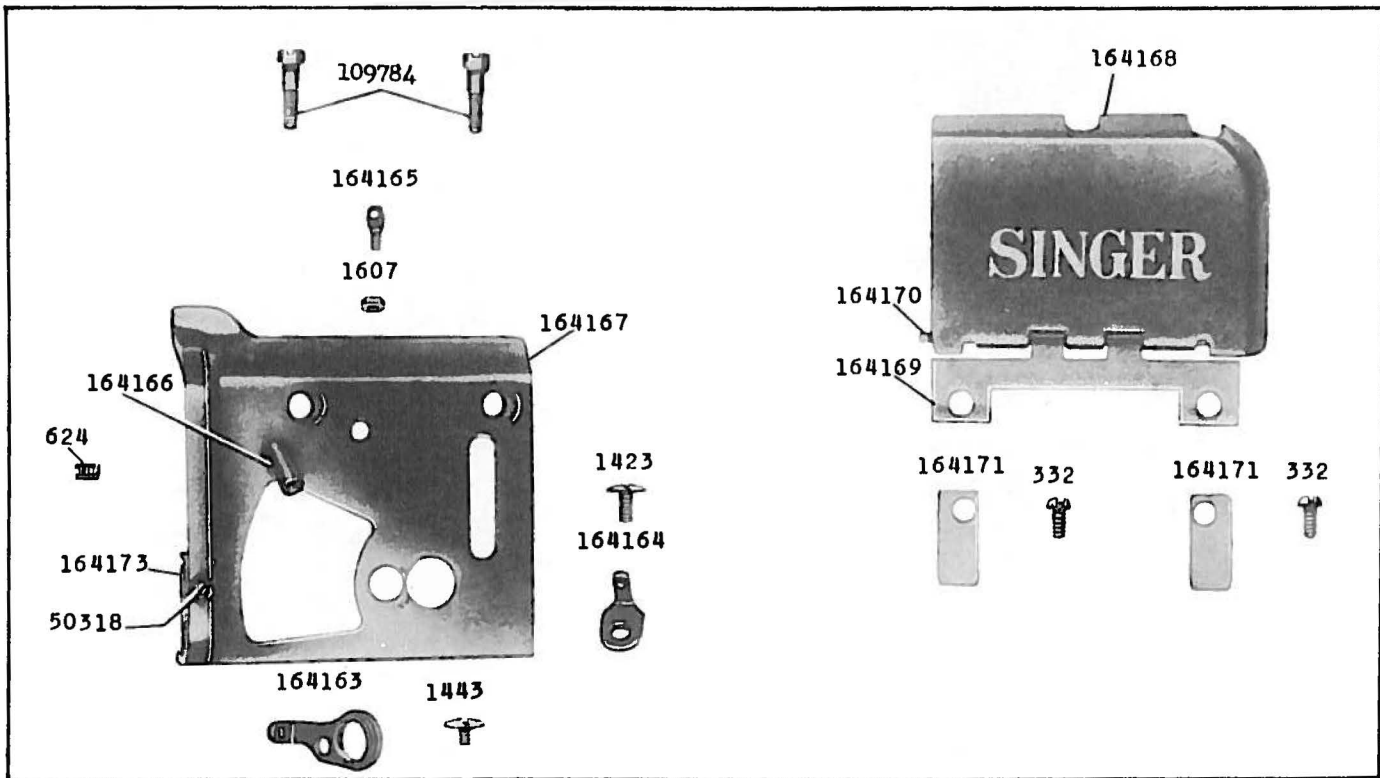
3064—1/2



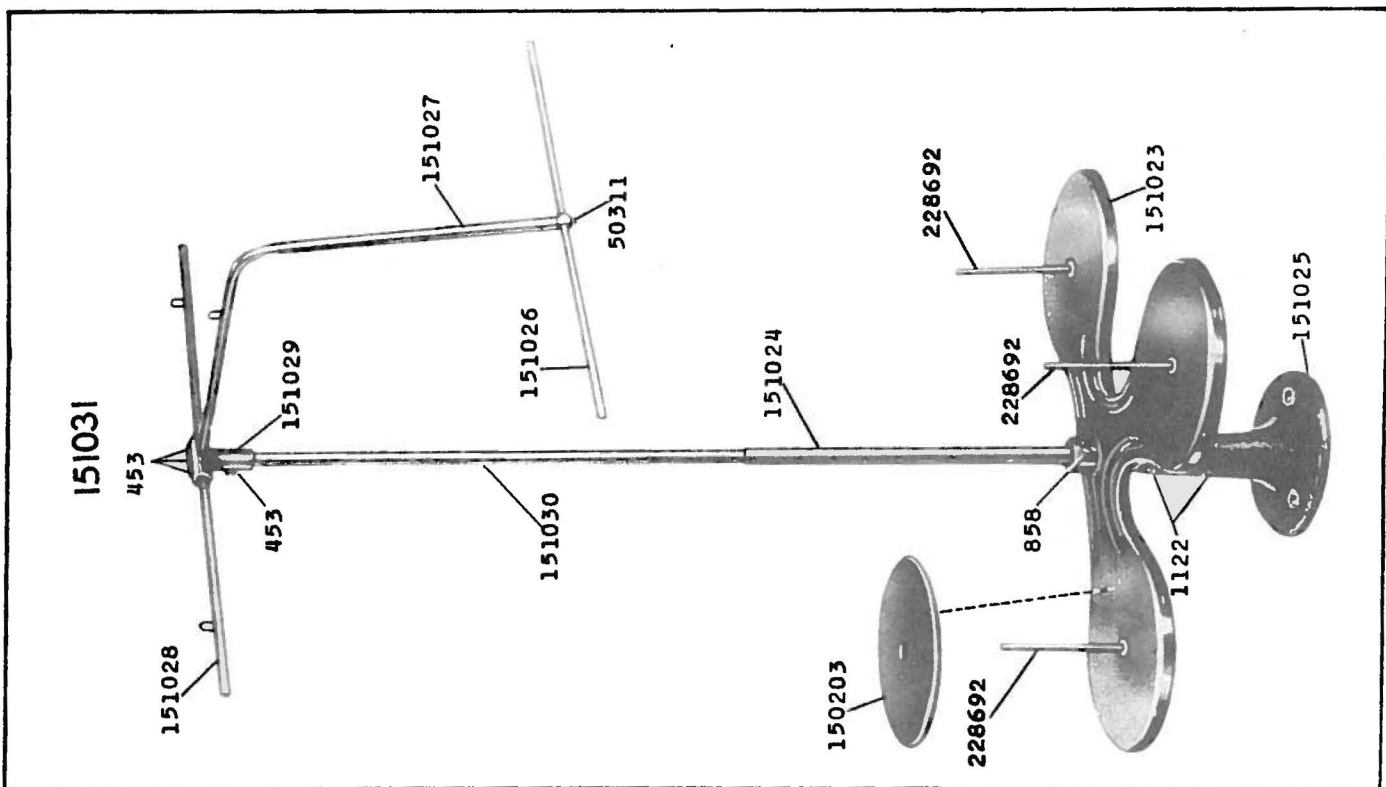


# ILLUSTRATIONS

24761—2/3

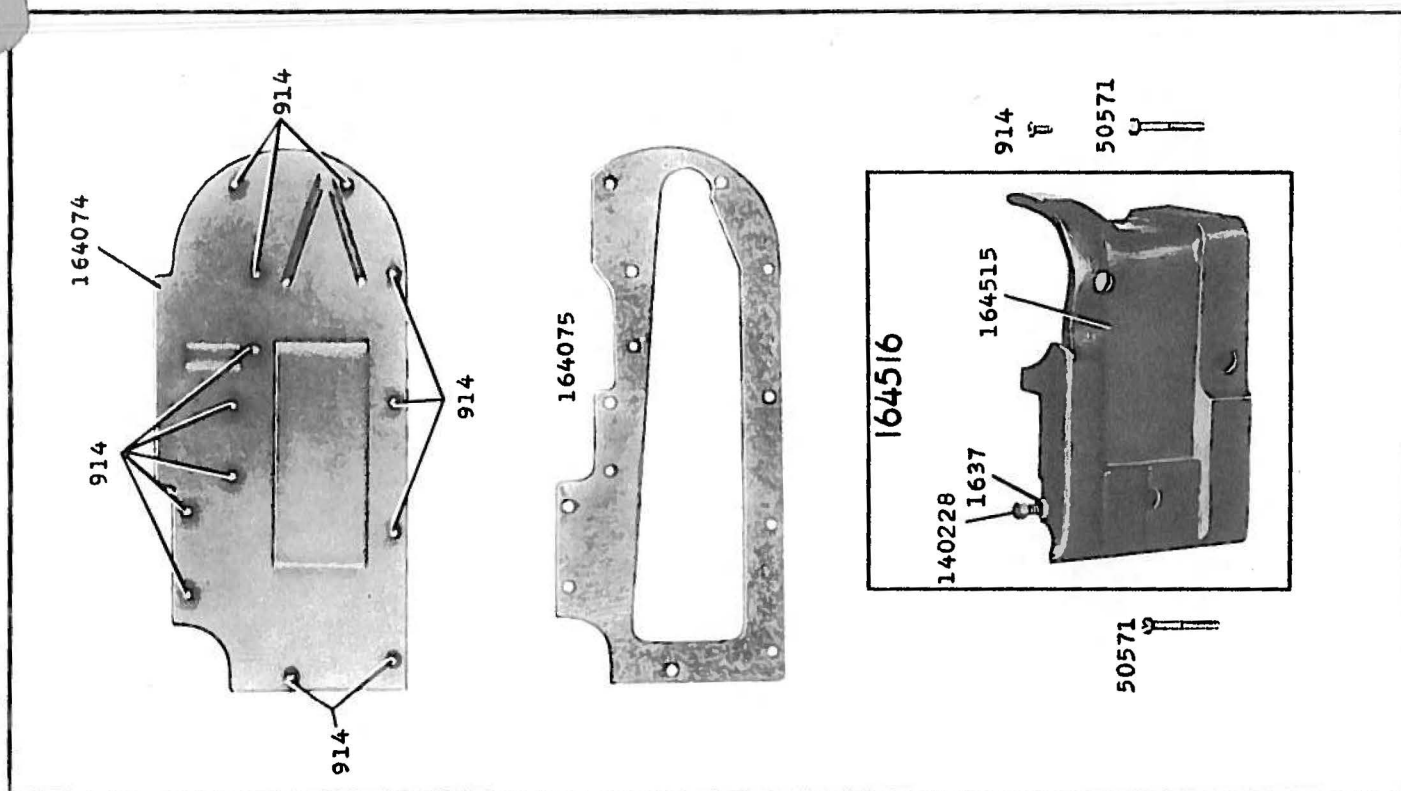


24764—1/6

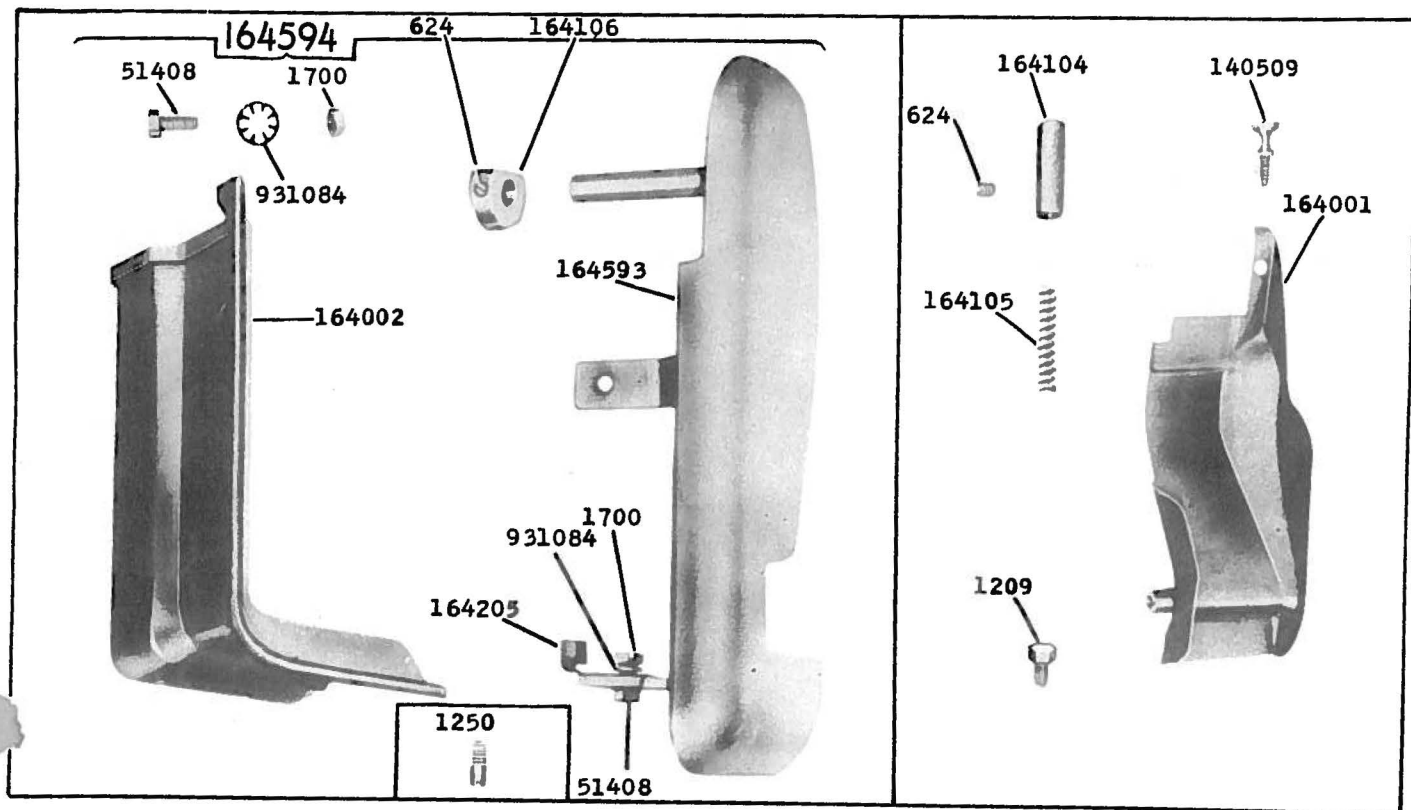


# ILLUSTRATIONS

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24855—1/2



## ILLUSTRATIONS