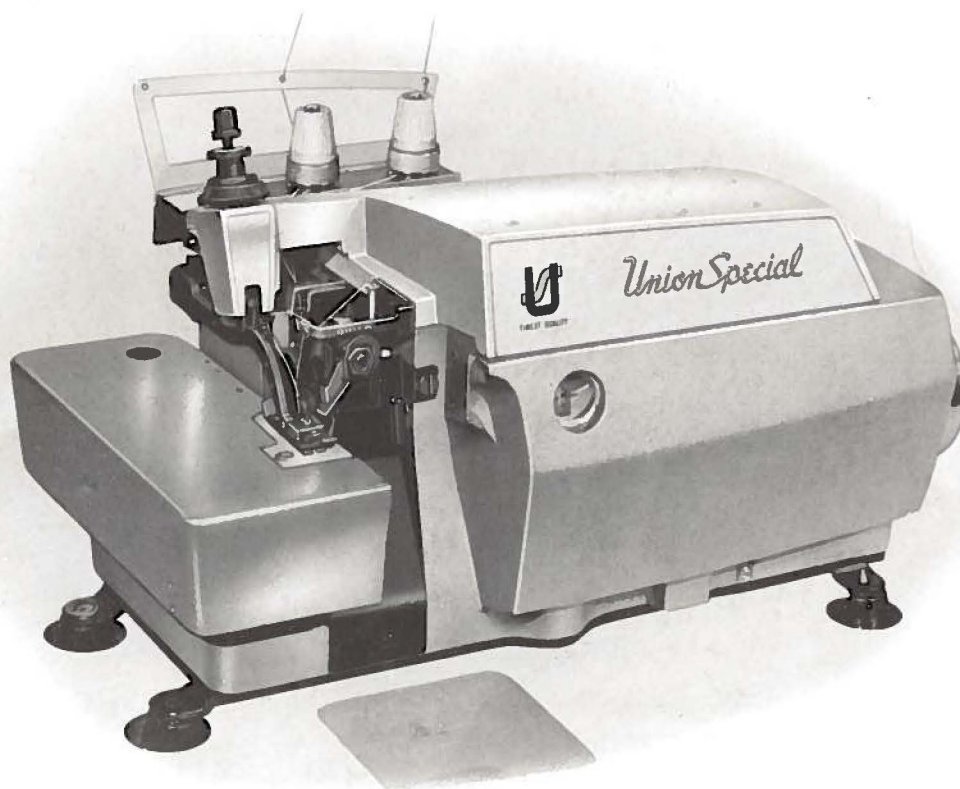


FINEST QUALITY

Union Special®
L E W I S • C O L U M B I A

**INDUSTRIAL
SEWING
MACHINES**

**STYLE
39500 GM**



CLASS 39500

**HI-STYLED HIGH SPEED
DIFFERENTIAL FEED MACHINES
FOR USE WITH
FRILL ATTACHMENT**

**CATALOG
No.
103 GM**

Union Special **MACHINE COMPANY**
CHICAGO

From the library of: Superior Sewing Machine & Supply LLC

Catalog No. 103 GM
(Supplement to Catalog No. 103 FA)

INSTRUCTIONS
FOR
ADJUSTING AND OPERATING

LIST OF PARTS

CLASS 39500

Style
39500 GM

First Edition

Copyright 1967
By
Union Special Machine Co.
Rights Reserved in All Countries

Union Special
MACHINE COMPANY
INDUSTRIAL SEWING MACHINES
CHICAGO

November, 1967

Printed in U. S. A.

IDENTIFICATION OF MACHINES

Each Union Special machine is identified by a Style number on a name plate on the machine. Style numbers are classified as standard and special. Standard Style numbers have one or more letters suffixed, but never contain the letter "Z". Example: "Style 39500 GM". Special Style numbers contain the letter "Z". When only minor changes are made in a standard machine, a "Z" is suffixed to the standard Style number. Example: "Style 39500 GMZ".

Styles of machines similar in construction are grouped under a Class number which differs from the Style number in that it contains no letters. Example: "Class 39500".

APPLICATION OF CATALOG

This catalog is a supplement to Catalog No. 103 FA and should be used in conjunction therewith. Only those parts used on Style 39500 GM, but not on Style 39500 FB are illustrated and listed at the back of this catalog. On the page opposite the illustration will be found a listing of the parts with their part numbers, description and the number of pieces required. Numbers in the first column are reference numbers only, and merely indicate the position of that part in the illustration. Reference numbers should never be used in ordering parts. Always use the part number listed in the second column.

This catalog applies specifically to the standard Style of machine as listed herein. It can also be applied with discretion to some Special Styles of machines in Class 39500. References to directions, such as right, left, front, back, etc., are given from the operator's position while seated at the machine. Operating direction of handwheel is away from operator.

STYLE OF MACHINE

Hi-Styled High Speed, Single Curved Blade Needle, One Looper, One Spreader, Two Thread, Overseaming Machine. Differential Feed, Trimming Mechanism with Spring Pressed Lower Knife, Automatic Lubricating System.

39500 GM Light to medium duty machine for seaming, trimming and attaching frill elastic to panties, half slips and similar garments. Prepared for use with Gal-kin power driven metering device and elastic guide roller. Elastic width 5/16 to 5/8 inch; can also be ordered to handle narrow 7/32 inch wide leg elastic. Seam specification 503-SSa-1. Standard seam width 3/32 inch. Stitch range 8-30 per inch. Cam adjusted main and differential feeds. Maximum recommended speed 7000 R.P.M.

OILING

CAUTION! Oil was drained from machine when shipped, so reservoir must be filled before beginning to operate. Oil capacity of Class 39500 is six ounces. A straight mineral oil of a Saybolt viscosity of 200 to 250 seconds at 100° Fahrenheit should be used.

Machine is filled with oil at spring cap in top cover. Oil level is checked at sight gauge on front of machine. Red bulb on oil level indicator should show between gauge lines when machine is stationary.

Machine is automatically lubricated. No oiling is necessary, other than keeping main reservoir filled. Check oil daily before the morning start; add oil as required.

OILING (Continued)

The oil drain plug screw is located at back of machine near bottom edge of base. It is a magnetic screw designed to accumulate possible foreign materials which may have entered the crank case. It should be removed and cleaned periodically.

NEEDLES

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

Class 39500 machines use a curved blade needle. The standard recommended needle for the machine covered in this catalog is Type 154 GHS. Below is the description and sizes available of the recommended needle.

| <u>Type No.</u> | <u>Description and Sizes</u> |
|-----------------|---|
| 154 GHS | Round shank, round point, curved blade, standard length, single groove, struck groove, ball point, spotted, chromium plated and is available in sizes 025, 027, 029, 032, 036, 040. |

To have needle orders promptly and accurately filled, an empty package, a sample needle, or the type and size number should be forwarded. Use description on label. A complete order would read: "1000 Needles, Type 154 GHS, Size 029".

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

Success in the operation of Union Special machines can be secured only by use of needles packaged under our brand name, *Union Special* which is backed by a reputation for producing highest quality needles in materials and workmanship for more than three-quarters of a century.

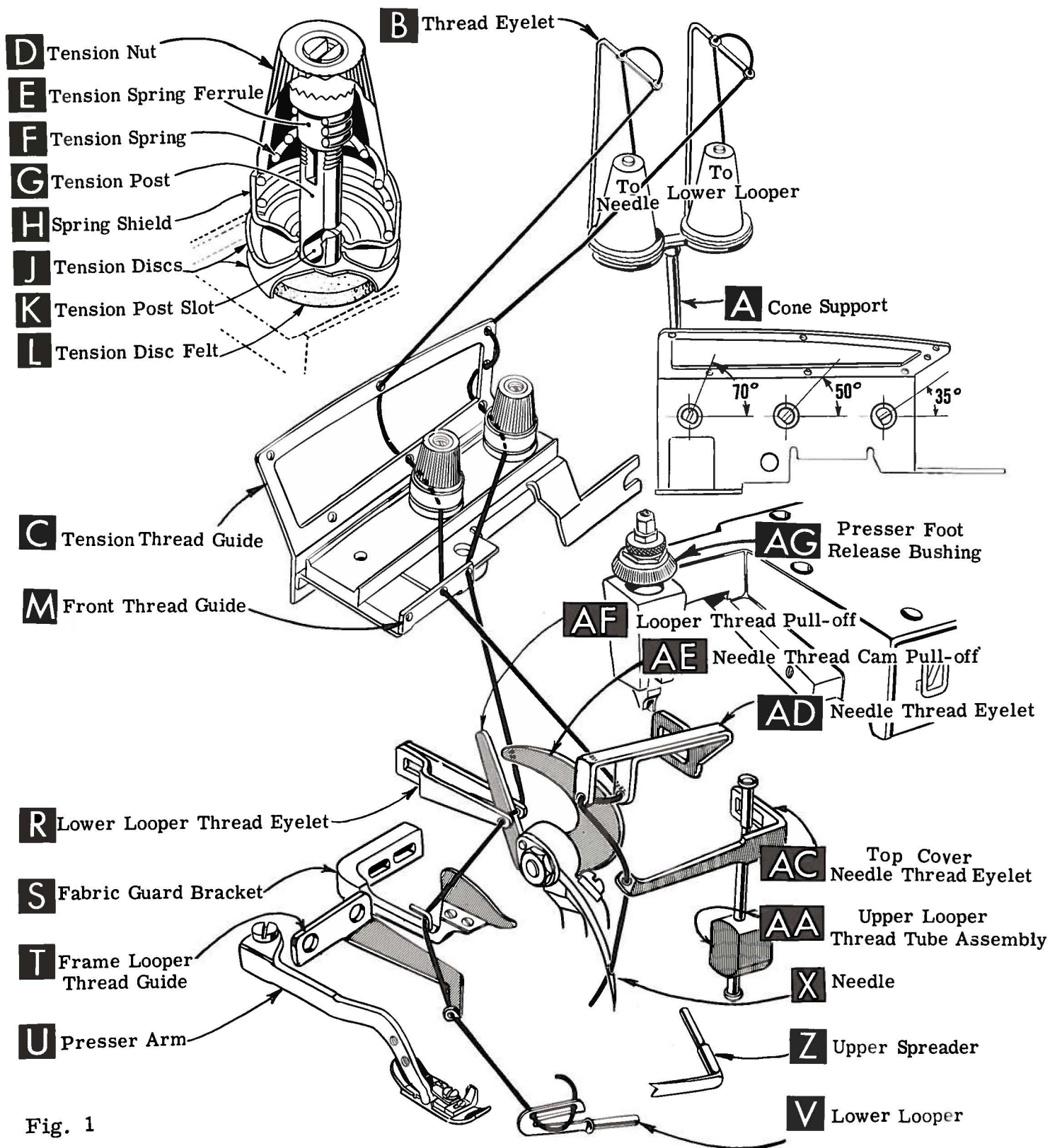
CHANGING NEEDLES

Release pressure on presser foot by turning presser foot release bushing (AG, Fig. 1) and swing presser arm (U) out of position. Turn handwheel in operating direction until needle is at its lowest point of travel. Using hexagonal socket wrench No. 21388 AU, furnished with machine, loosen needle clamp nut about 1/4 turn. Again turn handwheel until needle is at high position. Withdraw needle.

To replace needle, leave needle holder at high position and, with the flat to the left, insert needle in holder until it rests against stop pin. Keeping needle in this position, turn handwheel until holder is again at its low point of travel; then tighten nut. Return presser arm (U) to position; re-lock presser foot release bushing (AG).

THREAD STAND

After thread comes from cone on cone support (A, Fig. 1) it is brought up through the back hole of thread eyelet (B), then down through the front hole of thread eyelet. The needle thread is then threaded through the upper hole of tension thread guide (C) from front to back, and then through the lower hole from back to front.



THREAD STAND (Continued)

The lower looper thread is threaded through the upper hole back to front, through the middle hole from front to back, and finally through the lower hole from back to front. Both threads then continue between the tension discs (J), through tension post slot (K) in tension post (G) and on through front thread guide (M).

THREADING

Only parts involved in threading are shown in threading diagram (Fig. 1). Parts are placed in their relative positions for clarity.

It will simplify the threading of these machines to follow the recommended sequence of threading the lower looper first and the needle second.

Before beginning to thread, swing cloth plate open, turn handwheel in operating direction until needle (X) is at high position, release pressure on presser foot by turning presser foot release bushing (AG) and swing presser arm (U) out of position.

Be sure the threads, as they come from the tension thread guide (C), are between the tension discs (J) and in tension post slot (K) in tension post (G). The tension posts should be positioned so the tension post slot will be at the approximate angle for the different threads as indicated in Fig. 1.

TO THREAD LOWER LOOPER

Double end of thread and lead it through the right eyelet of front thread guide (M, Fig. 1). Then lead thread through both eyes of lower looper thread eyelet (R, Fig. 1) from right to left. Note; thread must pass in front of looper thread pull-off (AF). Lead thread behind fabric guard bracket (S) and through frame looper thread guide (T). Turn handwheel in operating direction until heel of lower looper (V) is all the way to the left, then thread through both eyes from left to right. Left eye of lower looper can be threaded easily if tweezers are in left hand.

TO THREAD THE NEEDLE

Turn handwheel in operating direction until needle (X, Fig. 1) is at its highest position. Insert needle thread from right to left, through both eyes of needle thread eyelet (AD), under neck of top cover casting; and then down through hole in top cover needle thread eyelet (AC). Thread needle from front.

THREAD TENSION

The amount of tension on needle and looper threads is regulated by two knurled tension nuts (D, Fig. 1). Tension on threads should be only enough to secure proper stitch formation.

PRESSER FOOT PRESSURE

Sufficient presser foot pressure to feed work uniformly should be maintained. Should it be necessary to increase or decrease amount of pressure on presser foot, loosen lock nut (A, Fig. 2) and turn adjusting screw (B). Adjusting screw has a right hand thread, so tightening increases pressure, loosening decreases pressure. When pressure adjusting screw (B) has been properly set, tighten lock nut (A). With presser foot resting on throat plate, position locking nut (C) so that its under surface is approximately 1/32 inch to 1/16 inch from the top surface of adjusting screw (B). Set cap (D) against locking nut (C).

FEED ECCENTRICS

Feed eccentrics used in Style 39500 GM machines have been selected to produce approximately 10 stitches per inch. It will be noted that the part number of both the main and differential feed eccentric is No. 39540 B-10. Minor numbers of the part symbol indicate approximately the number of stitches obtainable when using that eccentric. Unless otherwise specified, machines will be shipped with the above combination of eccentrics.

Generally speaking, differential (right hand) feed eccentric determines number of stitches produced; main (left hand) feed eccentric is selected in relation to degree and direction of stretch of material being sewn, or type of operation.

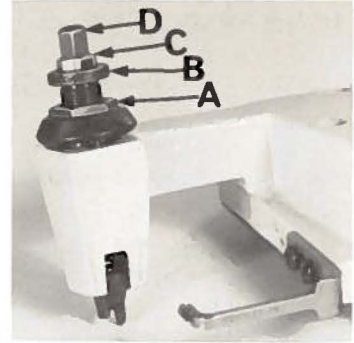


Fig. 2

Following stitch number feed eccentrics are available under No. 39540 B-4, -5, -6, -7, -8, -9, -10, -11, -12, -13, -14, -15, -16, -18, -20, -22, -24, -26, -28, -30, -32, -34, -36, -40. Only two eccentrics are supplied with each machine. Additional eccentrics may be ordered separately. To order an eccentric, use No. 39540 B with a minor number suffixed to indicate approximate number of stitches desired. Example: "39540 B-10".

ASSEMBLING AND ADJUSTING SEWING PARTS

Before assembling and adjusting sewing parts remove cloth plate, chip guard, upper knife assembly, lower knife holder assembly; then follow this suggested sequence.

SETTING THE NEEDLE

With throat plate assembled in position, needle should center in the front end of needle slot. When needle is at high position, needle point should be set $\frac{1}{2}$ inch above throat plate (A, Fig. 3). To align needle or set the height above throat plate, move needle driving arm (B) by loosening clamp screw (C). After needle has been properly set, tighten clamp screw and remove throat plate.

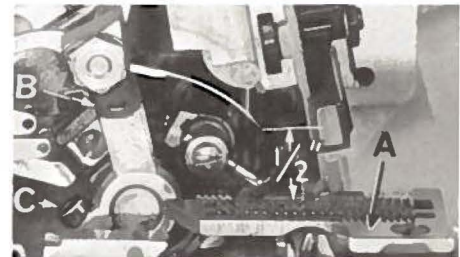


Fig. 3

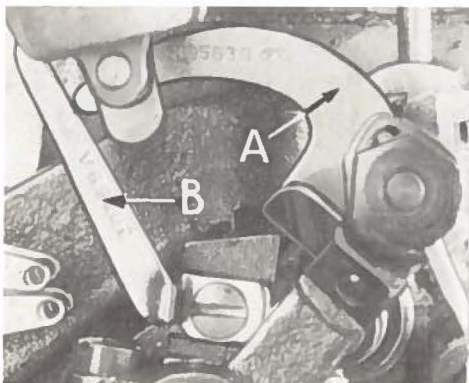


Fig. 4

If needle thread cam pull-off (A, Fig. 4) overlaps looper thread pull-off (B), separate by moving looper thread pull-off back. When retightening looper pull-off screw, be sure to take up the end play in needle driving arm.

At this point, insert lower looper (A, Fig. 5) into bar (B). With lower looper at the left end of its stroke, set looper point $\frac{1}{8}$ inch from center of needle (Fig. 5), using looper gauge No. 21225 $\frac{1}{8}$. Do not have low-

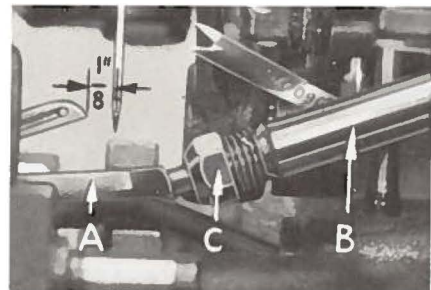


Fig. 5

er looper deflecting needle. Tighten nut (C). Now assemble differential (front) feed dog.

SETTING THE REAR NEEDLE GUARD

Set rear needle guard (A, Fig. 6) as high as possible, without interfering with either lower looper or movement of lower knife holder, but still in position to deflect needle forward .002 - .004 inch. Screw (B) is used to set rear needle guard. Make sure there is no interference between rear needle guard and lower looper.

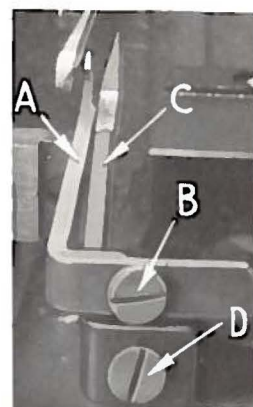


Fig. 6

SETTING THE LOWER LOOPER

Now finish lower looper adjustment. As lower looper moves to the right, its point should be set into the needle scarf (A, Fig. 7) until the needle springs forward from rear guard surface another .002 - .004 inch. Tighten nut (C, Fig. 5) securely.

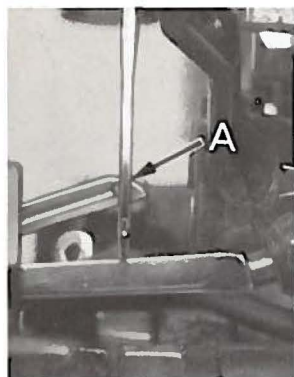


Fig. 7

SETTING THE FRONT NEEDLE GUARD

Assemble front needle guard (C, Fig. 6). When lower looper is springing needle off back guard, set front needle guard as close as possible to needle without touching. Screw (D) is used to adjust and set front needle guard. After this setting, make sure there is no interference between

needle guards and differential feed dog.

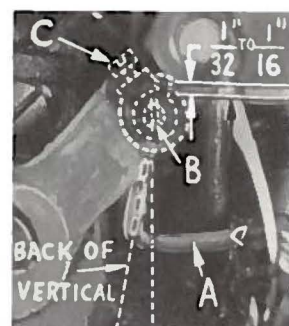


Fig. 8

SETTING THE UPPER SPREADER

Insert upper spreader (A, Fig. 8) in its holder. Screw (B) holds upper spreader in its holder, and permits it to be pushed in or out, or turned around its shank. Insert spreader holder into spreader shaft, if it is not already in place. Screw (C, Fig. 8) on collar holds spreader holder in the shaft, and allows holder to be rotated or adjusted laterally.



Fig. 9

Preliminary Setting: When upper spreader is at the right end of its stroke, spreader holder should be set to position spreader shank slightly back of vertical (Fig. 8). Top end of spreader shank should extend $\frac{1}{32}$ to $\frac{1}{16}$ inch above the spreader holder (Fig. 8).

As spreader moves from right to left, the Vee notch of the spreader should pass just behind the eye of the lower looper, with approximately .002 inch clearance between spreader and lower looper (Fig. 9).

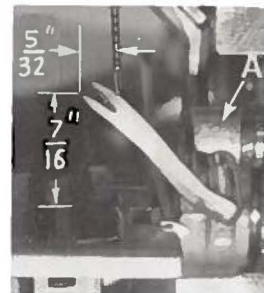


Fig. 10

Turn the handwheel until upper spreader is at the left end of its travel. At this position, the lower point of the spreader should extend about $\frac{5}{32}$ inch to the left of the centerline of the needle and should be approximately $\frac{7}{16}$ inch above the top of the throat plate (Fig. 10). If re-setting is necessary, do so by moving the spreader holder (A, Fig. 10).

Now check setting between upper spreader and needle. If needle rubs the back of spreader, pull spreader out of its holder slightly and rotate spreader holder forward a short distance. These same adjustments, in opposite movement, will reduce the clearance between spreader and needle. Reset to lower looper (Fig. 9).

SETTING FEED DOGS

Now assemble main (back) feed dog (B, Fig. 11) and chaining feed (C). Set all feed dogs (A, B, C, Fig. 11) so the top surfaces of the teeth all lie in the same plane. This can be checked by sighting across the teeth with a straight edge. Now assemble throat plate. Feed dogs should now be leveled with throat plate surface by rotating feed tilting adjusting pin (D). This pin raises or lowers the back end of both feed bars at the same time.

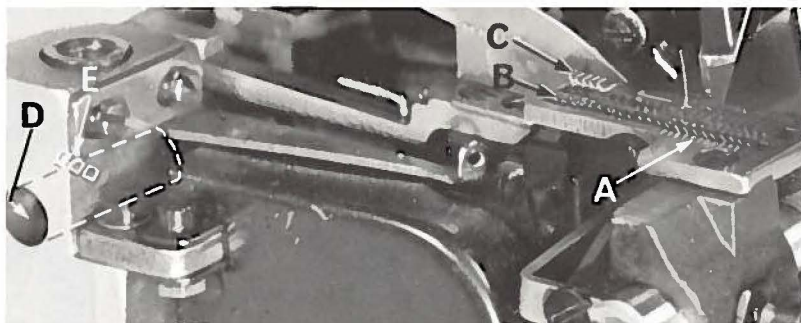


Fig. 11

The feed dogs should be set level at the time the teeth first appear above throat plate. Screw (E) locks feed tilting adjusting pin in place. Now set the feed dogs so that the teeth rise about $3/64$ inch above the throat plate.

SETTING THE LOWER KNIFE

Replace lower knife holder assembly. Lower knife (A, Fig. 12) should be set with cutting edge flush with throat plate surface. Adjustments are made with hexagonal head screw which holds lower knife. Lower knife is spring pressed against upper knife, so no lateral adjustment is necessary when width of trim is changed.



Fig. 12

Lower knife may be secured in any position by tightening screw (B) and locking nut (C) against support bracket. Because screw (B) also serves as latch pin for the cloth plate latch spring, it should always be locked with nut (C) even when screw is not tightened against lower knife holder.

SETTING THE UPPER KNIFE

Replace upper knife assembly. Clamp upper knife (D, Fig. 12) in position, setting nut (E) to hold clamp (F) in its most clockwise position against upper knife. At bottom of its stroke, front cutting edge of upper knife should extend not less than $1/64$ inch below cutting edge of lower knife. The chain guard (G) should

be set down against the upper knife and slightly back from the cutting edge.

After upper knife has been set for proper width of trim, screw (H) should be tightened to lock upper knife holding block (J) in place. This will simplify resetting when upper knife is replaced.

SETTING THE STITCH LENGTH

Length of stitch is determined by the combination of feed eccentrics used. Outer (left) eccentric (A, Fig. 13) actuates main (rear) feed dog; while the inner (right) eccentric (B) actuates the differential (front) feed dog.

In assembling feed eccentrics, be sure hubs are facing each other. Be careful not to damage shaft or key. Tighten nut (C) securely.

SETTING THE STITCH LENGTH (Continued)

To change feed eccentrics, remove nut (C) and washer (D) from end of shaft (E). Turn handwheel in operating direction until key slot in eccentric is toward front. Using hooked eccentric extractor (F), supplied with machine, reach behind eccentrics as shown and withdraw eccentrics. It may be necessary to move handwheel back and forth slightly during extraction.

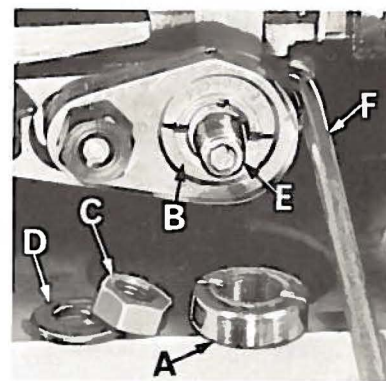


Fig. 13

If eccentrics are unusually tight fitting, in addition to removing nut (C, Fig. 14) and washer (D) from shaft (E), it may be helpful to remove nut (G) and feed driving connection (H). Then continue as originally suggested.

SETTING THE PRESSER FOOT

Assemble the presser foot to presser arm. With needle in high position, swing presser arm into sewing position and set the presser foot to align needle holes (front and back) and flat on throat plate. The front edge of needle hole in presser foot must be aligned with front edge of needle hole in throat plate. It is also important that the bottom of the presser foot be flat on the throat plate. If necessary, presser foot can be realigned with throat plate slots by shifting the foot lifter lever shaft (H, Fig. 15). To move the shaft, loosen collar screws (B, Fig. 15) and clamp screw (G) and then shift the foot lifter lever shaft to the left or right as required. Retighten collar screws and clamp screw.

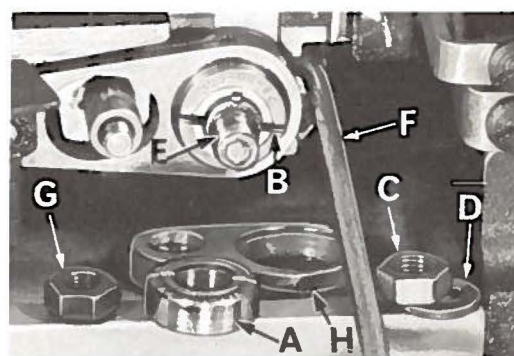


Fig. 14

The foot lifter lever arm (A, Fig. 15) and the collar (B) secure the shaft. Be sure the presser arm does not bind and rise when presser foot release bushing is unlocked.

Adjust lifter lever stop screw (C) so that presser foot can be raised no higher than upper spreader will permit: then lock the nut (D). There should be from 1/16 to 1/8 inch free motion of foot lifter lever before the presser foot begins to rise. This adjustment should be made with screw (E) and locked with nut (F). Re-assemble the chip guard, fabric guard and cloth plate. To assemble chip guard, turn handwheel until upper knife assembly reaches its highest position.

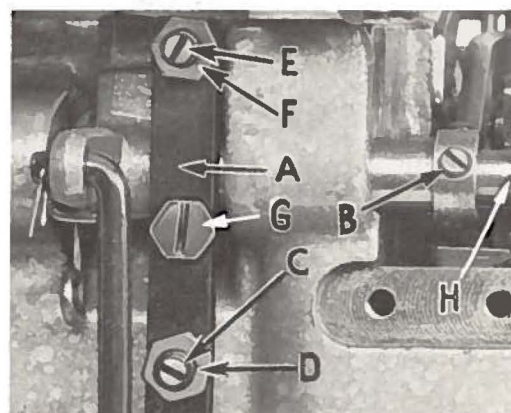


Fig. 15

NEEDLE THREAD CONTROL

While sewing on material, check needle thread control as follows: Usually all needlethread is drawn on needle down stroke. At top of needle stroke, thread should be just tight enough to feed chain off stitch tongue. Stitch tends to pull down slightly of excessive thread is pulled on the up stroke. With needle at bottom of stroke, position needle thread eyelet (AD, Fig. 1) so that needle thread cam pull-off (AE) just contacts needle thread.

LOWER LOOPER THREAD CONTROL

With material under presser foot, set lower looper thread eyelet (R, Fig. 1) back and down far enough so thread is a little slack when spreader reaches its extreme left position. Lower looper thread eyelet (R) should be about horizontal.

Frame looper thread guide (T) should be set with its eyelet approximately 1/8 inch to the right of heel eyelet of looper (V) at the time lower looper is at extreme left end of its travel.

THREAD TENSIONS

Before proceeding, balance both tensions to give a normal appearing stitch. Moderate change in these tensions will not markedly effect the purl.

SPECIAL ADJUSTMENTS

SKIPPING: For occasional skipping, check and/or adjust as outlined below:

1. Recheck lower looper - needle setting. See instructions listed under, "Setting the Needle".
2. Recheck spreader - lower looper crossing. See instructions listed under, "Setting the Upper Spreader".
3. Check clearance between needle and spreader. See that spreader moves far enough left past needle.

Setting 1 and 2 should be made quite carefully. If it can be determined by appearance that skip is definitely not a needle loop skip, reposition lower looper thread eyelet (R, Fig. 1) by lowering it slightly and bringing eyelet holes in close to bend in lower looper thread pull-off (AF). After this change, increase looper thread tension as much as possible without distorting stitch.

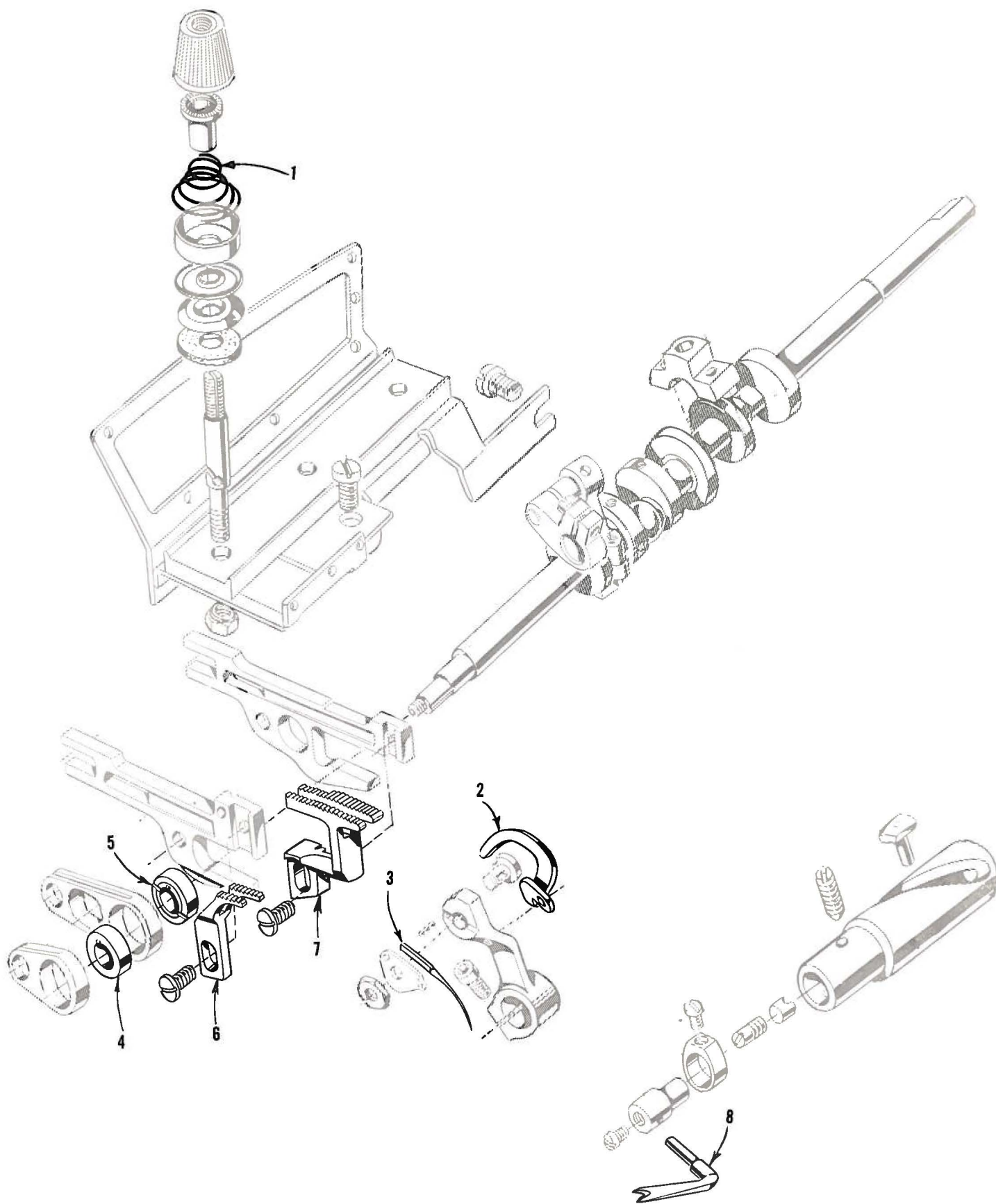
CAUTION: Looper thread must, as before, be slightly slack as spreader reaches its extreme left position, or stitch will appear tight on top side.

STARTING TO OPERATE

Be sure machine is threaded according to threading diagram (Fig. 1).

With thread tensions light, set lower looper thread eyelet (R) about horizontal and in the middle of its front to back location.

Operate machine slowly, with presser foot in place; make sure chain forms and moves off tongue freely.



The parts illustrated on the preceding page and described on this page represent the parts that are used on Style 39500 GM, but are not used on Style 39500 FB.

Those parts shown in phantom views and bearing no reference numbers are common to Styles 39500 FB and 39500 GM.

Use Catalog No. 103 FA (Style 39500 FB) for all parts not illustrated or described in this catalog.

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> | <u>Amt. Req.</u> |
|---------------------|---------------------|--|----------------------|
| 1 | 39592 AE-4 | Looper Thread Tension Spring ----- | 1 |
| | 39592 AE-8 | Needle Thread Tension Spring ----- | 1 |
| 2 | 39563 J | Needle Thread Cam Pull-off ----- | 1 |
| 3 | 154 GHS | Needle ----- | 1 |
| 4 | 39540 B-10 | Main Feed Driving Eccentric ----- | 1 |
| 5 | 39540 B-10 | Differential Feed Driving Eccentric ----- | 1 |
| 6 | 39505 D | Main Feed Dog, marked "E", 20 teeth per inch ----- | 1 |
| 7 | 39526 D | Differential Feed Dog, 20 teeth per inch ----- | 1 |
| 8 | 39560 A | Upper Spreader, marked "E" ----- | 1 |



FINEST QUALITY

Union Special®

LEWIS and COLUMBIA

INDUSTRIAL SEWING MACHINES



SALES OFFICES AND REPRESENTATIVES

†Handle Union Special and Columbia only.

‡Handle Lewis and Columbia only.

All others handle Union Special, Lewis and Columbia with certain exceptions.

UNITED STATES

ALABAMA, BIRMINGHAM, 732-84th Street, South, Lloyd D. Baldwin, Tel. 833-9904.

ALABAMA, MONTGOMERY 7, 1959 Amelia Drive, Garnet H. Hamlet, Tel. 263-0942, P.O. Box 7203, Larry Crisler, Tel. 265-0942.

ARKANSAS, LITTLE ROCK, P.O. Box 1783, James T. Taylor, Tel. (501) FR 2-2356.

CALIFORNIA, LA PUENTE, 1527 Channelwood Drive, Bill Bayless, Tel. 330-3043.

★CALIFORNIA, LOS ANGELES 21, 1100 E. Pico Blvd., Paul M. Mason, Mgr., Tel. Madison 5-5828.

CALIFORNIA, SAN FRANCISCO 7, 1275 Mission St., Robert J. Vail, Tel. Underhill 1-1580.

‡CALIFORNIA, SAN FRANCISCO 3, Apparel City Sewing Machine Co., 1155 Mission St., Tel. Market 1-6660.

COLORADO, ARVADA, Carey's Sewing Machine Service, 5719 Reed St., Tel. 424-6630.

CONNECTICUT, DANBURY, 22 Barnum Road, Robert W. Gaines, Tel. 746-3652.

FLORIDA, MIAMI, 2519 N.W. 2nd Ave., Trimco Sewing Equipment, Inc., Tel. 633-1138.

FLORIDA, PLANT CITY, 506 N. Gordon St., James C. Morgan, Tel. 752-1829.

★GEORGIA, ATLANTA, 2120 Plasters Bridge Road, N.E., Merritt M. Ambrose, Mgr., Tel. 875-9237.

GEORGIA, COMMERCE, Lakeview Drive, J. Tom Hanley, Tel. 335-4061.

GEORGIA, DECATUR, 1713 Coventry Road, Joe V. Parker, Tel. 377-5559.

GEORGIA, DUBLIN, 1615 Knox St., John W. Jones, Tel. 272-4663.

GEORGIA, GAINESVILLE, RFD #1, John Bradberry, Tel. Cumming, Ga. 887-4732.

GEORGIA, WINDER, 805 Pinkney, B. D. Smith, Tel. 867-3208.

★ILLINOIS, CHICAGO 10, 400 N. Franklin St., Orville A. Ulrick, Mgr., Tel. 644-6920.

KANSAS, PRAIRIE VILLAGE, 7331 Rosewood, Cleo C. Smith, Tel. HE 2-1705.

KENTUCKY, LOUISVILLE 7, P.O. Box 7261, Raymond E. Hinton, Tel. 587-0042.

LOUISIANA, METAIRIE, 707 Trudeau Drive, Charles Wickensham, Tel. 729-4115.

MARYLAND, BALTIMORE 15, P.O. Box 2505, Ralph B. Foster, Tel. 727-8499.

‡MARYLAND, BALTIMORE 1, J. Daisew, Inc., 417 W. Baltimore St., Tel. LExington 9-1838.

†★MASSACHUSETTS, BOSTON 11, 179 Lincoln St., William E. Palm, Mgr., Tel. Liberty 2-0147.

‡MASSACHUSETTS, CANTON, York St., RFD, Roy T. Pedersen, Tel. 828-1412.

‡MASSACHUSETTS, TAUNTON, P.O. Box #2 Raynham, Walter P. Godek, Tel. VanDyke 2-6149.

MICHIGAN, DETROIT, John Joyce, Tel. 584-4210.

MINNESOTA, MINNEAPOLIS, 2800 Texas Ave., St. Louis Park 26, Minn., Leonard W. Koehler, Tel. 644-6236.

MISSISSIPPI, JACKSON 3, 327 Eastview St., Jamie A. Boyette, Tel. Fleetwood 5-1976, 1717 Capital Ave., Larry Lancaster, Tel. 354-3080.

MISSISSIPPI, TUPELO, 606 Racove Drive, Bill Haywood, Tel. VI 2-5848.

‡MISSOURI, KANSAS CITY 5, Textile Machinery Co., 915 Broadway, Tel. Victor 2-9558.

MISSOURI, ST. LOUIS 34, 9860 Guthrie Ave., Carl E. McLaughlin, Tel. Chestnut 1-2368, 3940 Shenandoah St., Jerry Hicks.

‡NEW HAMPSHIRE, NASHUA, P.O. Box 257, Herman E. Haberman Jr., Tel. Tuxedo 2-9698.

‡NEW JERSEY, NORTH ARLINGTON, 32M Garden Terrace, Joseph Logisic, Tel. 991-8211.

‡NEW JERSEY, RUTHERFORD, 246 Sylvan St., Richard W. Whitson, Tel. Geneva 8-2178.

NEW JERSEY, WEST BERLIN, P.O. Box 26, Frank A. Neff, Tel. 767-4350.

NEW YORK, LATHAM, 57 Sylvan Ave., Clarence A. Wheeler, Tel. State 5-6371.

★NEW YORK, NEW YORK 1, 370 7th Ave., (Penn Terminal Bldg.), Clarence L. Rosenquist, Mgr., Tel. Chickering 4-8800.

NEW YORK, ROCHESTER, 14 Strathmore Circle, James Halbohm, Tel. LI 4-1882.

‡NEW YORK, ROCHESTER 9, A. J. Adams Co., 1051 Culver Rd., Tel. 8UTler 8-7250.

NEW YORK, UNIONDALE, 873 Henry St., Anthony Candell, Tel. Ivanhoe 3-7477.

NORTH CAROLINA, GREENSBORO, P.O. Box 226, William D. Harrod, Tel. 299-9367, 4216 Pennydale Dr., Harold E. Miller, Tel. 292-0734.

OHIO, CLEVELAND, 4914 Pearl Road, Cut & Sew Equipment Co., Tel. 661-5901.

OHIO, COLUMBUS, P.O. Box 874, Larry Kelsen, Tel. AXminster 1-1222.

OKLAHOMA, OKLAHOMA CITY 19, 2226 Southwest 53rd St., G. B. Wiley, Tel. 685-2836.

PENNSYLVANIA, ALLENTOWN, P.O. Box 542, Luther D. Cassell, Tel. 797-2111.

PENNSYLVANIA, BETHLEHEM, 1212 Camac St., Ed Deegan, Tel. 868-8204.

PENNSYLVANIA, BERWICK, 1013 E. 16th St., Donald McFadden, Tel. 752-2442.

PENNSYLVANIA, CLARKS SUMMIT, 428 West Grove Ave., John J. Laffer, Tel. JUNiper 7-2820.

★PENNSYLVANIA, PHILADELPHIA 24, 4234 Macalester Ave., Ben W. Merz, Mgr., Tel. Gladstone 5-9800.

‡PENNSYLVANIA, NEW ALEXANDRIA, (Pittsburgh) P.O. Box 285, W. Dale Speer, Tel. (Pittsburgh) 563-3589.

PENNSYLVANIA, REAMSTOWN, P.O. Box 176, David M. Bender, Tel. 267-6109.

PENNSYLVANIA, YORK, P.O. Box 884, Harding T. Powell, 854-8040, also A. C. Davis.

SOUTH CAROLINA, COLUMBIA, P.O. Box 4246, Virlyn R. Crisler, Tel. Sunset 7-0863, P.O. Box 4112, J. W. Carter, Tel. 254-4255.

SOUTH CAROLINA, GREENVILLE, 25 Sir Abbot St., Orville W. Gregory, Tel. Cedar 9-5539, Lewis Village, Apt 9-E, John Lawrence, Tel. 235-2213.

TENNESSEE, KNOXVILLE 19, 3905 Greenleaf Ave., Horace E. Clinard, Tel. 588-1865.

TENNESSEE, MEMPHIS 17, 4695 Dunn Rd., Richard J. Lindhorst, Tel. Mutual 5-6750.

TENNESSEE, NASHVILLE 12, 1602 South Observatory Drive, William J. Brauch, Tel. Cypress 2-5123, 2517 Woodberry Drive, F. M. Blunkali, Tel. 883-3352.

★TEXAS, DALLAS 19, 4200 Hines Blvd., P.O. Box 6727 J. H. Muir, Mgr., Tel. Lakeside 6-8369.

TEXAS, CARROLLTON, 1404 Fannidella, John D. Troeger, Tel. CH 2-5309.

TEXAS, EL PASO, P.O. Box 9573, Edward E. Smith, Tel. 598-2928.

TEXAS, SAN ANTONIO, Jerry Gregory, P.O. Box 13126, Tel. DI 2-5924.

UTAH, SALT LAKE CITY, 1215 E. 13th South St., Larry F. Rosvall, Tel. IN 7-6931.

VIRGINIA, LYNCHBURG, P.O. Box 1075, Tom Traylor, Tel. 845-8901, also Gerald Morrison.

WASHINGTON, SEATTLE, 858 South 148th, Louis Spencer, Tel. MA 4-8083.

CANADA

Union Special Machine Co. of Canada, Ltd.

BRITISH COLUMBIA, N. BURNABY 2, James Murray, 1522 Madison Ave., Tel. MU 3-3917.

MANITOBA, WINNIPEG 2, Frank Thierman, Rm. 201, Whitea Bldg., 70 Arthur St., Tel. Whitehall 3-4933.

★ONTARIO, TORONTO 28, Peter Fowler, Mgr.-Rep., 355 King St. West, Tel. Empire 6-2939.

★QUEBEC, MONTREAL 10, John Caschetto, Mgr.-Rep., 40 Molire St., Tel. 276-2575.

**FINEST
QUALITY
WORK**

**HIGHEST
PRODUCTION
RATES**

**LOWEST
MAINTENANCE
COSTS**

From the library of: Superior Sewing Machine & Supply LLC

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

AFRICA

(TEXTILE & BAG MAKING MACHINES) Berzack Bros., Ltd. REPUBLIC OF SOUTH AFRICA—JOHANNESBURG 135/7 Pritchard St. CAPE TOWN—78 Darling St. DURBAN—72/74 Commercial Road. PORT ELIZABETH—277 Main Street. RHODESIA, BULAWAYO—133 Fife St. SALISBURY—102 Sinioa St. (L)

(BAG CLOSING MACHINES) South African Scale Co. Pty., Ltd. REPUBLIC OF SOUTH AFRICA—JOHANNESBURG—32 Van Brandt St. BLOEMFONTEIN—53 Zastron St. CAPE TOWN—Wales and Bree Sts. DURBAN—22 Allwal St. EAST LONDON—38 Argyle St., LADYSMITH, Natal—355 Murchison. PORT ELIZABETH—Box 611. Also at PIETERMARITZBURG, PRETORIA, VEREENING and WORCESTER. RHODESIA, BULAWAYO—2 Leander House, Rhodes Street. SALISBURY—95 Victoria Street, ZAMBIA—KITWE Blantyre Road.

ALGERIA, ALGIERS—Elab. Sayag, 8 Rue Altairac. ETHIOPIA, ASMARA—S.A. Calderoni Africa, Avenue P. Asfaha Waosen (L & C)

IVORY COAST—ABIDJAN—Ets. Jean Abile-Gal, Box 1798. (L & C)

KENYA, NAIROBI—Transcandia, Ltd., College House, Koinange St. (P.O. Box 5933) (L & C) (Also Uganda, Tanganyika and Zanzibar)

MALAGASY REPUBLIC—TANANARIVE—Soc. Ind. Et Com. De L'Emyrne, Boite Postale 1078, 17 Rue Clemenceau (L & C)

MAURITIUS, PORT LOUIS—(Bag Closing & Bag Making Machines) Hall, Geneva, Langlois, Ltd., 42 Sir William Newton St.

MOROCCO, CASABLANCA—R. Geissmann & Fils, Rue El Idissi Es Sakali (L)

NIGERIA, APAPA, LAGOS—Sunflag Knitting Mills (Nigeria) Ltd. 9 Warehouse Road. (L & C)

SUDAN, KHARTOUM—Franco Pinto (Sudan) Ltd., P.O. Box 305. (L & C)

TUNISIA, TUNIS—Comptoir Industriel & Menager, 8 Rue du 18 Janvier 1952 (L)

ASIA

CAMBODIA, PHOM-PENH—Denis Freres, 219 P.B. Sisowath, P.O. Box 48. (L & C)

HONG KONG—G. R. Coleman Co. (Hong Kong) Ltd., Rm. 305, Wing Ting Building, 7-13 Wellington St.

INDIA, CALCUTTA—Parrot Sewing Machine (P.) Ltd. 9/1 Savarnam Byrack St. (L & C)

JAPAN, OSAKA—Kondo Sewing Machine Co. 163, Umegoe-cho Kita-ku. (L) Branch—Tokyo 6-3 Ginza, Choo-Ku. Also at Ashikaga, Fukui, Nagoya, Niigata, and Okayama.

KOREA, SEOUL—Uebersee-Handel A.G., Rm. 604, Bando Bldg. 180 1-ka Ulchiro; Chung-Ku, Int. P.O. Box 1268. (L)

LAOS, VIETIANE—Denis Freres, P.O. Box 133. (C & L)

PAKISTAN, (WEST) KARACHI—Universal Trading Corp., 29 Zenat Mansion, McLeod Road. (EAST) (Bag closing and bag making machines) Thomas C. Keay, Ltd., 15 Baltic Street, Dundee, Scotland.

REPUBLIC OF CHINA, TAIWAN, TAIPEI—G. R. Coleman Co. (Taiwan) Ltd., 16 Nan Yang St. (L & C)

THAILAND, BANGKOK—Yip In Tsai & Co., Ltd., P.O. Box 23. (L & C)

VIETNAM, SAIGON—S.A. Pour Le Riz et L'Indutrl (Sarl) 147 Trinh Minn-The (B. P. 444) (C & L)

AUSTRALIA

SOLE DISTRIBUTORS: Capron, Carter Pty., Ltd., 86 Liverpool Street, SYDNEY. Branches at: BRISBANE—454 Brunswick St., Valley, N.I. MELBOURNE—154 A'Beckett St. AGENTS: SOUTH AUSTRALIA—ADELAIDE—William Charlisk Ltd., London Road, Mile End. WESTERN AUSTRALIA PERTH—Thomson's Pty. Ltd., 789 Hay St. TASMANIA, LAUNCESTON—Sew Knit Pty. Ltd., 72-74 George St. (L & C)

EUROPE

AUSTRIA, VIENNA—Firma Naechuster, Mariahilffenstr. 51. (L)

BELGIUM, BRUSSELS—Union Special Machine Corporation of America, 90 Rue de la Caserne, Gustave Thierie, Mgr. (C)

DENMARK, COPENHAGEN—Rothenborg Specialmaskiner for Sy-Industrien A/S, Nikolaj Plads 23. Offices at AALBORG, HERNING, KOLDING, ODENSE, RISSKOV-AARHUS AND SILKEBORG. (L & C)

FINLAND, HELSINKI—LAUTTASAAI—Suomen Konelehti O/Y, Vattuniemekatu 13. Branches at TAMPERE—Pienteeilisuola, TURKU, Humalistenkatu 7-B. (L & C)

FRANCE, PARIS—Cie. des Machines Union Special de France, 91 Ave. de la Republique—Thos. de Semlyen, Directeur. Branch at ROUBAIX (NORD)—50 Ave. J. Lebas. LYON, VILLEURBANNE (RHONE) 58 rue Alexandre Boutin. TOULOUSE (HAUTE GARONNE) 12, BD, Montplaisir.

GERMANY, STUTTGART—Union Special Maschinenfabrik, G.m.b.H., Schwabstr. 33—A. W. Krieger, Managing Director. Th. M. Baanstra, Director of Sales, BRANCHES AT: BERLIN, BIELEFELD, EBINGEN, FRANKFURT, HAMBURG, KOLN, MUNCHEN, OCHTRUP.

GREAT BRITAIN—(Textile Machinery)—ENGLAND—OADBY (NR. LEICESTER)—Union Special Machine Company, Ltd., Mandervell Road, Industrial Estate, Mr. A. B. Fitzpatrick, Manager. LONDON—108 City Road (H. O. Hall, Manager). SALES OFFICES: BRISTOL, L. J. Heard, 19 The Rides. KINGWAD, SCOTLAND, MILNGAVIE (GLASGOW)—Derrick R. Robinson, 48 Clachbar Avenue. SUB-AGENTS: LONDON, W. 1—G. Johnson & Son (Sewing Machinery), Ltd., 58 Great Titchfield Street. MANCHESTER 19—S. A. Smith, (Manchester) Ltd., Park Grove Works, Levenshulme. NORTHERN IRELAND—BELFAST 15, Aktes Ltd. 186 Cavehill Road. SCOTLAND, GLASGOW S.E.—Allardice & Co., 9 Stevenson Street. (C) (Bag Closing and Bag Making Machines) SCOTLAND, DUNDEE—Thomas C. Keay, Ltd., 15 Baltic Street—Agent for entire British Isles.

GREECE, ATHENS—Georges Yannakouras-Dimoulis, 30 Petraki St. (L & C)

ICELAND, REYKJAVIK—Magnus Thorgerisson, Skolavordustig 1a (L & C)

IRELAND, DUBLIN—(Textile Machines) W. Blythman, 224 Parnell Street (L & C) (Bag Closing and Bag Making Machines) Thomas C. Keay, Ltd., 15 Baltic St., Dundee, Scotland.

ITALY, MILANO—Giovanni Conti & Nipoti, Via Varese 18. (L & C)

MALTA, VALLETTA—A. C. Wisnayer & Co., Ltd., 62 Old Bakery Street. (L & C)

THE NETHERLANDS, AMSTERDAM—N. V. Machinehandel C. & H. Verbeek, Klovenburgwal 77. Offices at: ARNHEM, ENSCHEDE, GRONINGEN, ROTTERDAM, SITTARD, TILBURG. (L & C)

NORWAY, MANDLERUD—Jac. Jacobsen A/S, Enebakkveien 117, BERGEN—Bjornsonsgat 24. (C)

PORTUGAL, OPORTO—Rest & Janus, Succs. Lda., Rua Barao de Forrester 914. (L)

SPAIN, BARCELONA—Rapida, S.A., Via Layetana 37 (L)

SWEDEN, BORAS—Rud. Nystrom & Co. A/B, Lilla Brannergatan 6. Branches at OREBRO—Sjodagatan 37-39, MALMO, S. Forstangsgatan 16. Sub-Agent STOCKHOLM, 4/B Forsberg & Kato, Tomtebagatan 38.

SWITZERLAND, URDORF (ZH)—Bourquin & Cie., Vogelastr. (Postfach). (L—Button Sewer)

LATIN AMERICA

Union Special International, Inc.

ARGENTINA, BUENOS AIRES—IROMAC S.A.C., Division Panama Costura, S.A., San Jose 350. (Union Special Machine Company), (L & C)

BRAZIL, SAO PAULO—Pancolura S.A.—Industria e Comercio, Rua Aurora 59A-71. Branches at PORTO ALEGRE—Rua Voluntarios da Patria 533; RECIFE—Rua Principe Isabel 105; RIO DE JANEIRO—Rua Alexandre MacKenzie 117. (C & L)

CHILE, SANTIAGO—Lowenstein & Stewart, S.A.C., Calle Santa Domingo 1140. (L & C)

COLOMBIA, BOGOTA—Macaizada, Ltda., Carrera 30 #12-99. Branches at BARRANQUILLA—Carrera 45-B #34-54. BUCARAMANGA—Calle 34 #17-45. CALI—Carrera 7 #13-33/35. MANIZALES—E. Breslau, Carrera 22 #18-44. MEDELLIN—Carrera 51, 36-18. PERELRA—Cra. 8—#22-77. (L & C)

COSTA RICA, SAN JOSE—Enrique Rodriguez S., P.O. Box 1949. (L & C)

DOMINICAN REPUBLIC, SANTA DOMINGO—Roberto Dominguez, G., Calle Dr. Pedro Urena 19. (L & C)

ECUADOR, GUAYAQUIL—Distribuidora Richard O. Custer, S.A., Malecon Simon Bolivar #2308. Branch at QUITO—Avenida Patria 768. (L & C)

EL SALVADOR, SAN SALVADOR—Vairo Hermanos, Colonia Valro. (L)

GUATEMALA, GUATEMALA—Compania Agro Comercial, S.A., 8a Avenida Sur Zona 1. (L & C)

HONDURAS, SAN PEDRO SULA—Jacobo E. Handel, P.O. Box 559 (L & C)

MEXICO, MONTERREY, N.L.—Talleres Perez Zoraya, S.A. de C.V., Cuauhtemoc Norte 335. Branches at GUADALAJARA, JAL.—Hidalgo 45 y 47; MEXICO, D.F.—Distribuidora Union Especial, S.A. de C.V., Ave., Pino Suarez 99-a (Apartado 28070); SAN LUIS POTOSI, S.L.P.—J. de las Reyes 80. (L)

NICARAGUA, MANAGUA—Casa Hentgen, 3A Calle N.O. #303. (L)

PANAMA, PANAMA—Agencias Hagus, S.A., Ave. 7A Espana #45.

PERU, LIMA, Brella—United Agencies, S.A. (Peru) Av. Alfonso Ugarte 1445-1447. (L & C)

PUERTO RICO, SAN JUAN—Abarca Warehouse Corp., P.O. Box 2352. (L & C)

SURINAM, PARAMARIBO—Kirkalan's, Ltd., 17-27 Maagden St. (L & C)

URUGUAY, MONTEVIDEO—Storer & Cia., S.A., Uruguay, Mercedes 1312. (L)

VENEZUELA, CARACAS—H. Blohm, S.A., Dr. Paul A. Chorro 29.

NEAR EAST

CYPRUS, NICOSIA—Christodoulides Bros. & Co., 94 Tri-couppis St. (L)

IRAN, TEHERAN—Sava Trading Corp., Ave. Bozarjomehri 881. Seray Saadiyeh. (L & C)

IRAQ, BAGHDAD—Sons of O. O. Agopian (IRAQ), P.O. Box 2021, Alwihay. (L & C)

ISREAL, TEL AVIV—L. Taube, Ltd., 15 Lilienblum St. (L)

JORDAN—Bandar & Aractling, B.P. 1144—Damas, Syria (L & C)

LEBANON, BEIRUT—Sons of O. O. Agopian, P.O. 1165. (L & C)

SYRIA, DAMAS—Bandar & Aractling, B.P. 1144. (L & C)

TURKEY, ISTANBUL—M. Benmayer, Mahmudpasa Abul Efendi Han Nr. 46-47. (L & C)

U.A.R., Cairo—Mitr Import & Export Co., 6 Rue Adly—Tech Sub-Agent—A Kavaldion S.A.R.L., 200 Sharia Shuhra (L & C)

NEW ZEALAND

SOLE DISTRIBUTOR: H. A. Tuck & Co., Ltd., 171 Albert St. AUCKLAND, BRANCH AT: WELLINGTON, Lees Bldg., Nelson St. (L) Also—New Caledonia, Cook Islands, Ellice Islands, Gilbert Islands, New Hebrides, Samoa (American), Tahiti, and Tonga. SUB-AGENTS: Glendernid, Ltd., CHRIST CHURCH—90 Orbell St. DUNEDIN—192-196 Cattle St., P.O. Box 40. (C) FIJI SUVA—Karl R. Fleischman, P.O. Box 602. (L) SAMOA (WESTERN), APIA—S. C. Percival, P.O. Box 204. (L)

PACIFIC ISLANDS

HAWAII, HONOLULU—(Textile Machine) Territorial Sales Co., 508 Atkinson Drive. (L) (Bag Closing and Bag Making Machines) H. S. Gray Co., 759 Pauloa Rd.

PHILIPPINE ISLANDS, MAKATI, RIZAL—Atkins, Kroll & Co., Inc., 313 Malaya Street, (Buendia Extension). Branch at CEBU. (L & C)

WEST INDIES FEDERATION, JAMAICA

Union Special International, Inc.

JAMAICA, KINGSTON—Morris E. Parkin, 96 King St. (L) TRINIDAD, PORT OF SPAIN—Ackrill & Co., 17 Henry St. (L & C) Also—BARBADOS, GRENADA, TOBAGO.

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

I-44

AUSTRIA IV, VIENNA—Franz Koerpert & Sohne, K.G., Wiedner Hauptstrasse 36. (C)

BELGIUM, BRUSSELS—N. V. Machinehandel C & H Verbeek, Kruidtuinlaan 57a, Buyl Bldg. (L)

FRANCE, PARIS—Societe G. Arnon & Cie., 14 Rue Commines (L)—Aspe-Dumont & Cie., 13 Rue de la Fontaine-Au-Roi. (C)

GERMANY, KREFELD—Herbert Jannsen, Alte Linnerstr. 104 (C. tie mach.)

GREAT BRITAIN—ENGLAND, LONDON, E.C.2—Eastman Machine Company, Ltd., 128-132 Curtain Road. CROYDON, 89 Beddington Lane. LEEDS—60 Merriam Street. MANCHESTER, 105-107A Corporation Street. SCOTLAND, GLASGOW S2—11 Drumreoch Place, Torryglen. NORTHERN IRELAND, BELFAST 14—W. F. Maxwell, 30 Glenbryn Park. REPUBLIC OF IRELAND, DUBLIN—Wm. Blythman, Ltd., 223/4 Parnell Street. (L)

ISRAEL, TEL AVIV—Israel Sewing Machine Co., 22 Yehuda Halevy St. (C)

MEXICO, MEXICO, D.F.—Casa Diaz de Maquinas de Cacer, Av. Republic Del Salvador 89-93 (C)

MOROCCO, CASABLANCA—Durkopp Coudrex, 25 Rue Bascunana. (C)

NORWAY, OSLO—J. A. Johansen A/S, Torvgatan 10. (L)

REPUBLIC OF SOUTH AFRICA, JOHANNESBURG—African Sewing Machine Company (Pty.) Ltd., 118 President Street. Branches at: CAPE TOWN—110 Plain St.; DURBAN—9 Nieuw Miester Lane (C)

RHODESIA, FEDERATION OF RHODESIA & NYASALAND, BULAWAYO—African Sewing Machine Company (Rhodesia) (Pvt.) Ltd., 2 Leonidas House, 138 Rhodes Ave.

SPAIN, BARCELONA—Arbis S/A, Gerona 63. (C)

SWEDEN, BORAS—Husqvarna, Industrismaskiner A/B—Katrinedalsgatan 13. Branches: GÖTEBORO—Stigbergsgliden 1 MALMO—Isak Sjöklöregatan 9—OREBRO—Stortorget 19—STOCKHOLM—Brunnsgatan 6-B. Agents—ULRICHAM—Firma Hjalmar Svensson, Tinghögsgatan. (C)

SWEDEN, BORAS—A/B, A. C. Gustafson, Skolgatan 30, Branches: MALMO—Sävedsgatan 14. STOCKHOLM—Kungsgatan 18 Ulriceham-Hölgatan 20. Sub-Agent—GÖTEBORO—Symaskinsverksstaten special, Kungshöjsgatan 7. (L)

SWITZERLAND, ZÜRICH—Fritz Zellweger & Sohne, Selnaustr. 27. (L. except Button Sewer) Guttlinger A.G., Sihlstrasse 37. (C)

URUGUAY, MONTEVIDEO—C. Brandes & Cia., S.A., Calle Rincan 658-60 (C)



Union Special®
INDUSTRIAL SEWING MACHINES

UNION SPECIAL maintains sales and service facilities throughout the world. These offices will aid you in the selection of the right sewing equipment for your particular operation. Union Special representatives and service men are factory trained and are able to serve your needs promptly and efficiently. Whatever your location, there is a Union Special Representative to serve you. Check with him today.

ATLANTA, GA.

MONTREAL, QUEBEC

BOSTON, MASS.

BRUSSELS, BELGIUM

CHICAGO, ILL.

LEICESTER, ENGLAND

DALLAS, TEXAS

LONDON, ENGLAND

LOS ANGELES, CAL.

PARIS, FRANCE

NEW YORK, N. Y.

PHILADELPHIA, PA.

STUTT GART, GERMANY

Representatives and distributors in all important
industrial cities throughout the world.

Union Special
MACHINE COMPANY

400 N. FRANKLIN ST., CHICAGO, ILL. 60610