

REX

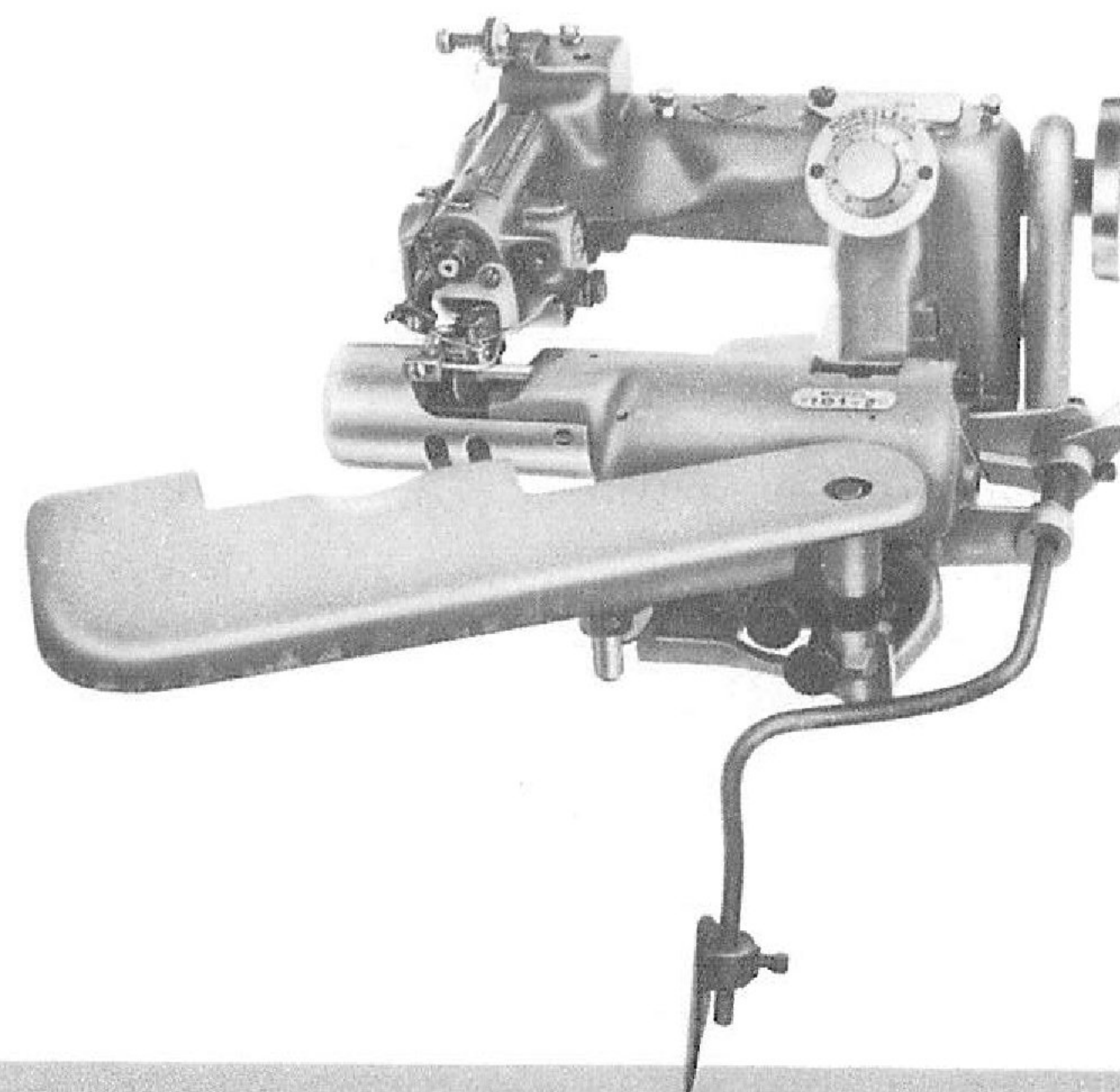
BLINDSTITCH

SEWING MACHINES

INSTRUCTION and PARTS BOOK

MODELS

101-1 • 101-2 • 101-3 • 101-1PB



REX TRADING CORPORATION

278 — 15th AVENUE, NEWARK, N. J. 07103

Area Code 201 — 242-8485

Cable Address: REX - NEWARK, N. J.

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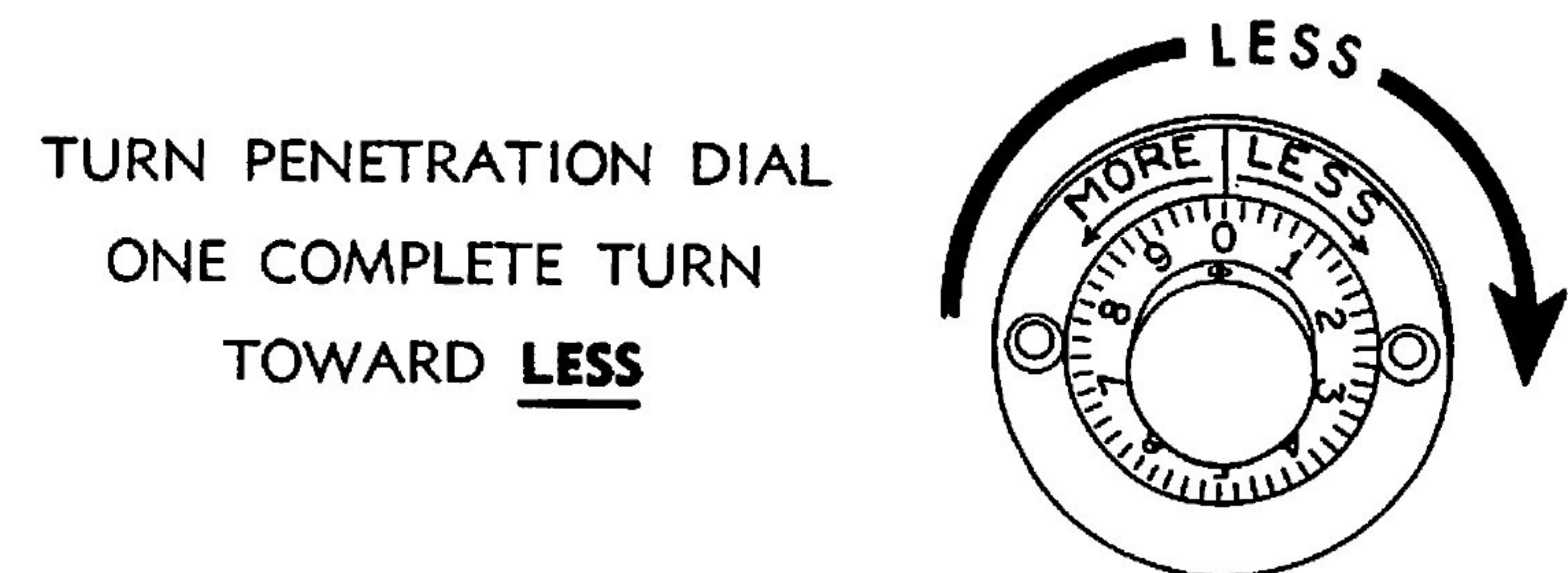
REX BLINDSTITCH RATIO DIAL

(LOCATED IN REAR OF MACHINE)

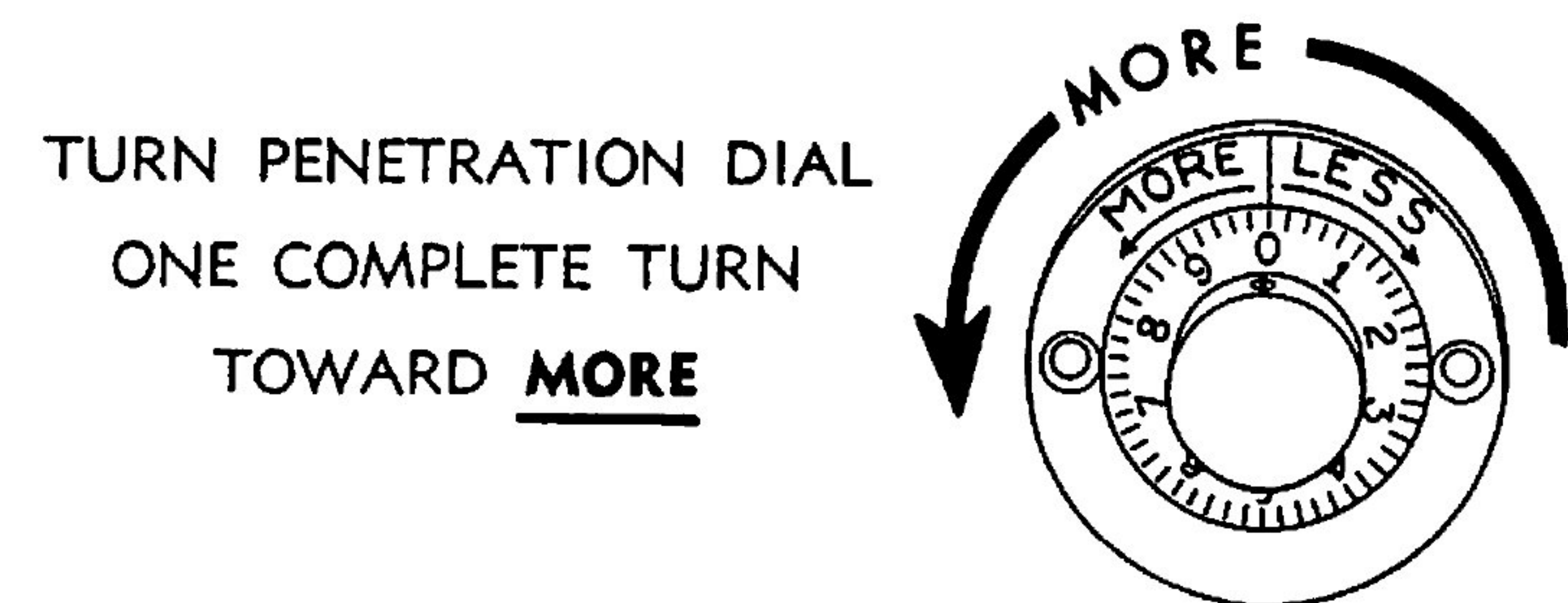
RATIO 1-1 to catch every stitch

RATIO 2-1 to catch every other stitch

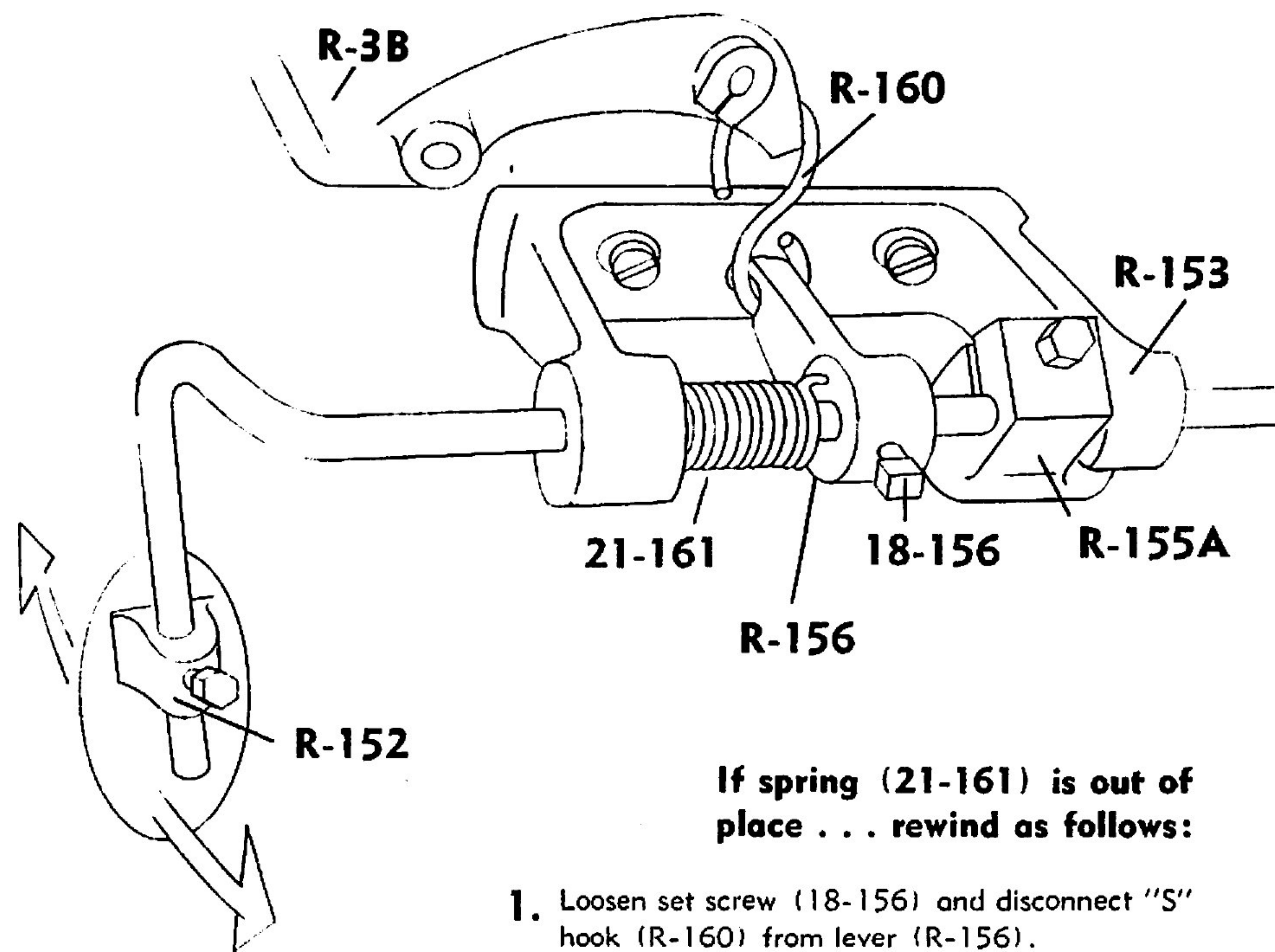
WHEN CHANGING FROM 1-1 TO 2-1 RATIO TURN RATIO DIAL



WHEN CHANGING FROM 2-1 TO 1-1 RATIO TURN RATIO DIAL



KNEE LIFTER ADJUSTMENT



If spring (21-161) is out of place . . . rewind as follows:

1. Loosen set screw (18-156) and disconnect "S" hook (R-160) from lever (R-156).
2. Wind spring (21-161) by turning lever (R-156) when machine is not fastened to table.
3. When spring is wound, tighten lever set screw temporarily.
4. Attach "S" hook (R-160) back to lever (R-156).
5. Adjust knee lifter to comfort of operator by loosening lever set screw. When in desired position, tighten set screw (18-156) securely.
6. With knee, press knee lifter to right to bring lever (R-156) down to bottom of "S" hook (R-160). While in this position, loosen screw on stop bracket (R-155A), bring stop firmly up to bottom of knee lifter bracket (R-153) and tighten screw securely. If properly done, it should look like illustration.
7. **IMPORTANT STEP:**
For the final operation, tap knee lifter (R-152) slightly to the LEFT. This little "give" should relieve tension of hook (R-160) allowing it to play freely between feed frame (3B) and lever (R-156). Keeping this slack is all important for proper operation.

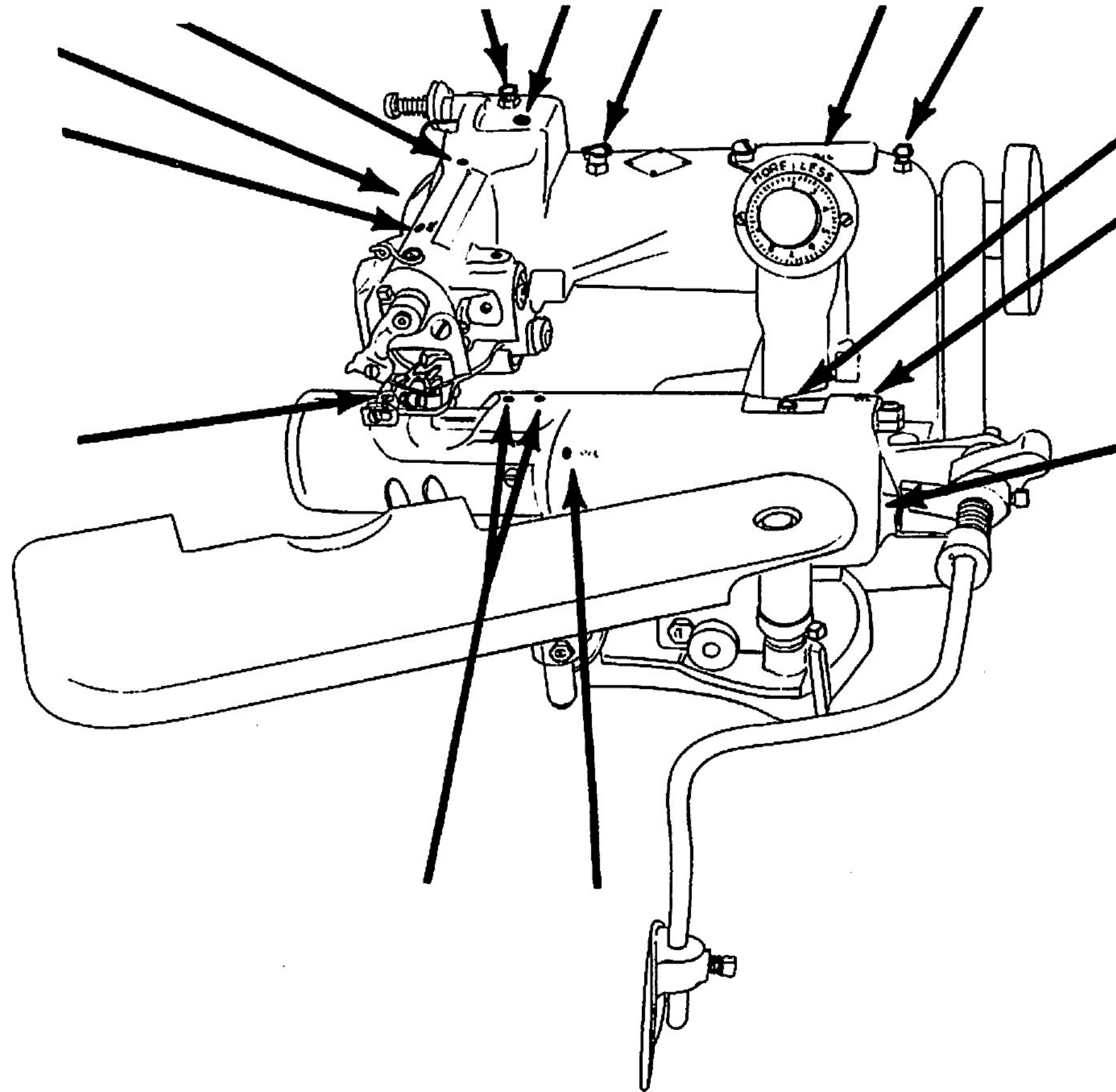
WHEN MACHINE IS WORKING, KNEE LIFTER (R-152) WILL NOT SWING BACK AND FORTH, IF PROPERLY ADJUSTED.

(At no time, should the operator's knee be in contact with the knee lifter when machine is in operation).

MOUNTING MACHINE

1. Fasten machine to table using felt pad. Tighten screws evenly, turning each a little at a time.
 - a. When an individual motor and clutch unit is employed, it is recommended that the motor be rated at 1/3 HP and 1725/1750 RPM. On all standard models, use a 3 1/2" outside diameter pulley. On models intended for alteration, use a 2 1/2" outside diameter pulley.
 - b. When the machine is mounted on a power table, a 4" pulley should be used. If possible, when using such stands, the machine should be mounted TO AVOID CROSSING THE BELT.
 - c. The maximum machine speed recommended for any installation is 3000 RPM, unless otherwise specified.
2. The handwheel's direction of rotation is away from the operator. It rotates in a **clock-wise** direction when looking at the face of the wheel pulley, as shown by the arrow.
3. Either V-belting or round leather belting may be used. Excessive tension of belt will cause over-heating and freezing of bearing at handwheel.

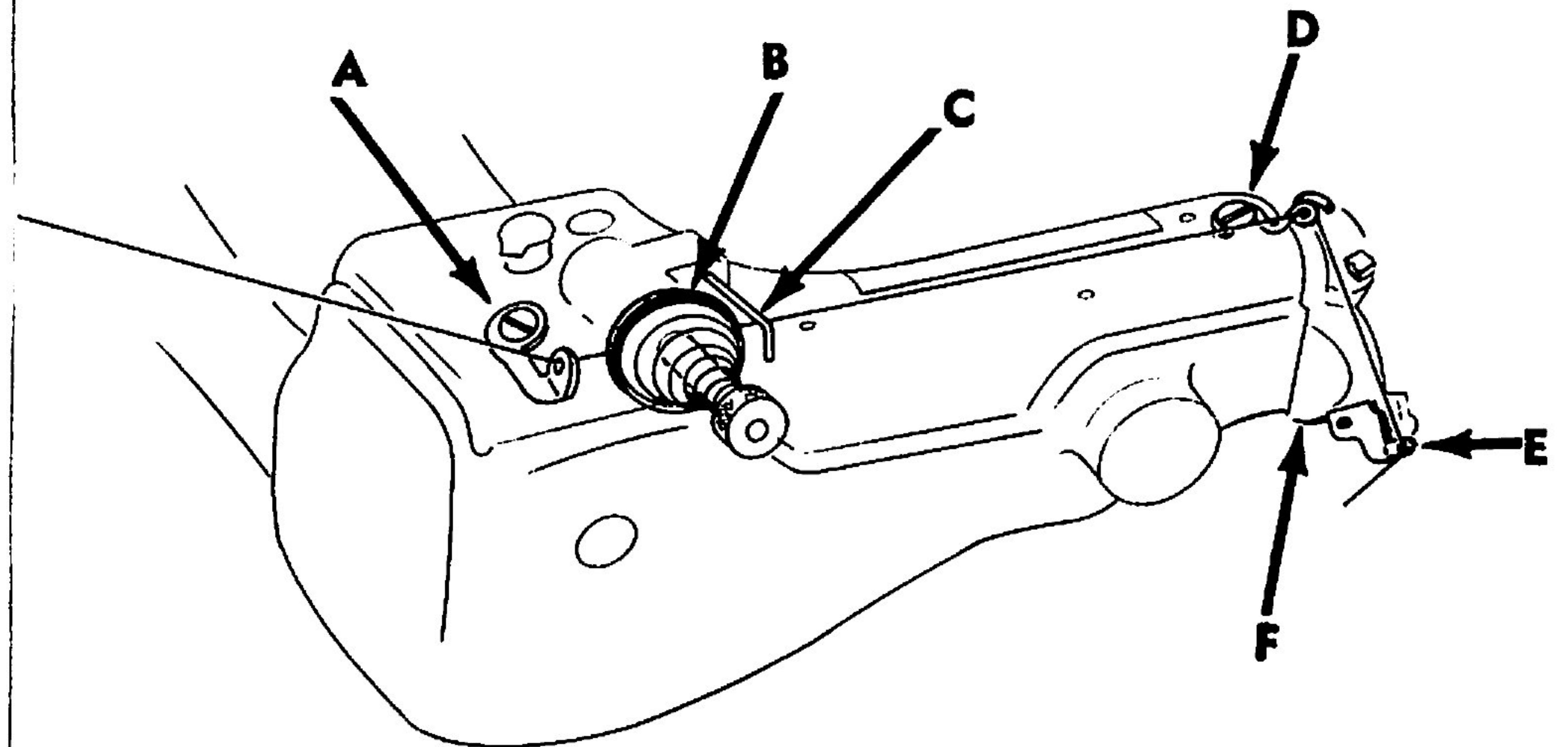
OILING INSTRUCTIONS



CAUTION: BEFORE OPERATING MACHINE, LUBRICATE IN ACCORDANCE WITH INSTRUCTIONS. REFER TO OIL CHART.

1. Place a few drops of oil at all points shown on the oiling chart. All moving parts **MUST** be oiled.
2. In production use, the machine should be oiled twice daily

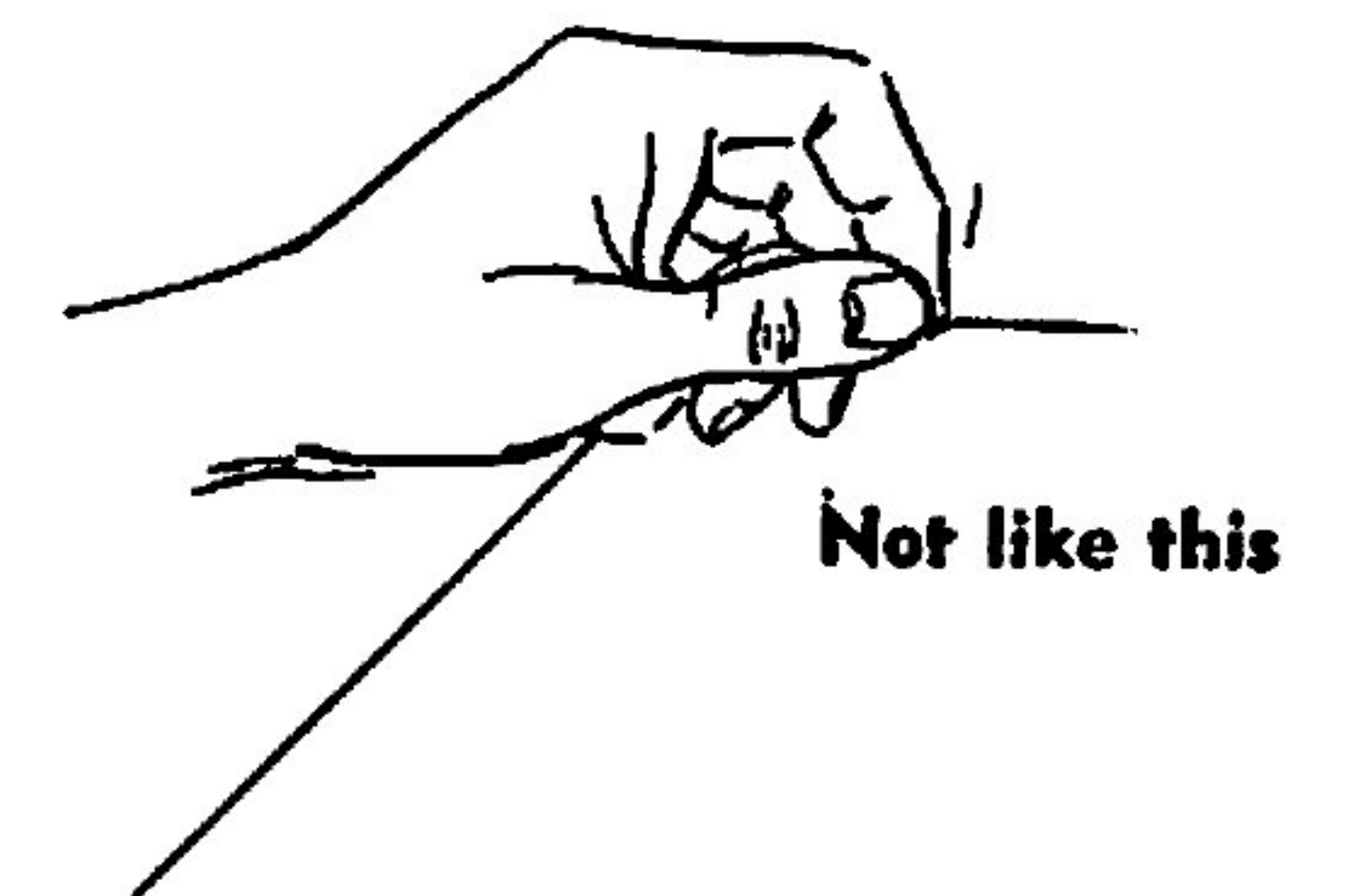
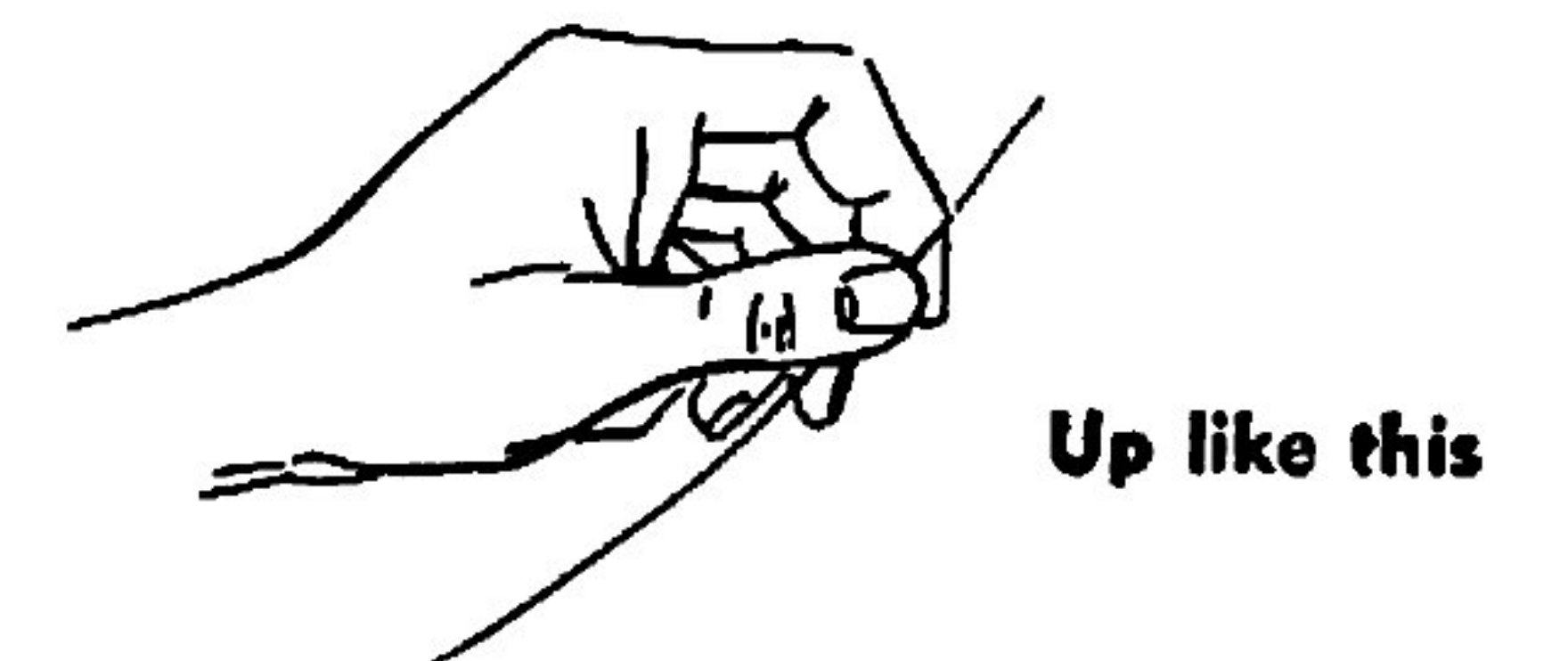
THREADING CHART



1. Use any type thread which is suitable for the fabric being sewn. This includes mercerized, 00, silk and synthetic threads.
2. The thread is passed through rear thread guide A, then slides between two tension discs, B under pin C, through front thread guide D . . . then down through needle clamp guide hole E . . . and entering from the underside of needle hole F.
3. Leave thread about 2 to 3 inches past needle hole.

THREADING NEEDLE

1. To thread needle at point F
 - a. Swing work plate out of way
 - b. Depress cylinder out of way with knee lifter (R-152)
 - c. Hold thread between index finger and thumb
 - d. End of thread must be **stub** not feather edge.



NEEDLE SETTING AND CHANGING

THE MACHINE SHOULD BE CHECKED TO INSURE CORRECT NEEDLE SETTING TO PREVENT DAMAGE TO NEEDLES.

1. Depress knee lifter (R-152).
2. Turn hand wheel CLOCKWISE until eye of needle is at slot in presser foot shoe (R-49A).
3. Slowly release knee lifter . . . the rib (R-612) should JUST TOUCH THE NEEDLE.
4. If rib is pressing up against needle (Fig. 1), turn dial (R-57N) toward "LESS" until rib just touches needle.
5. If rib is away from needle (Fig. 2), turn dial toward "MORE" until rib just touches needle.

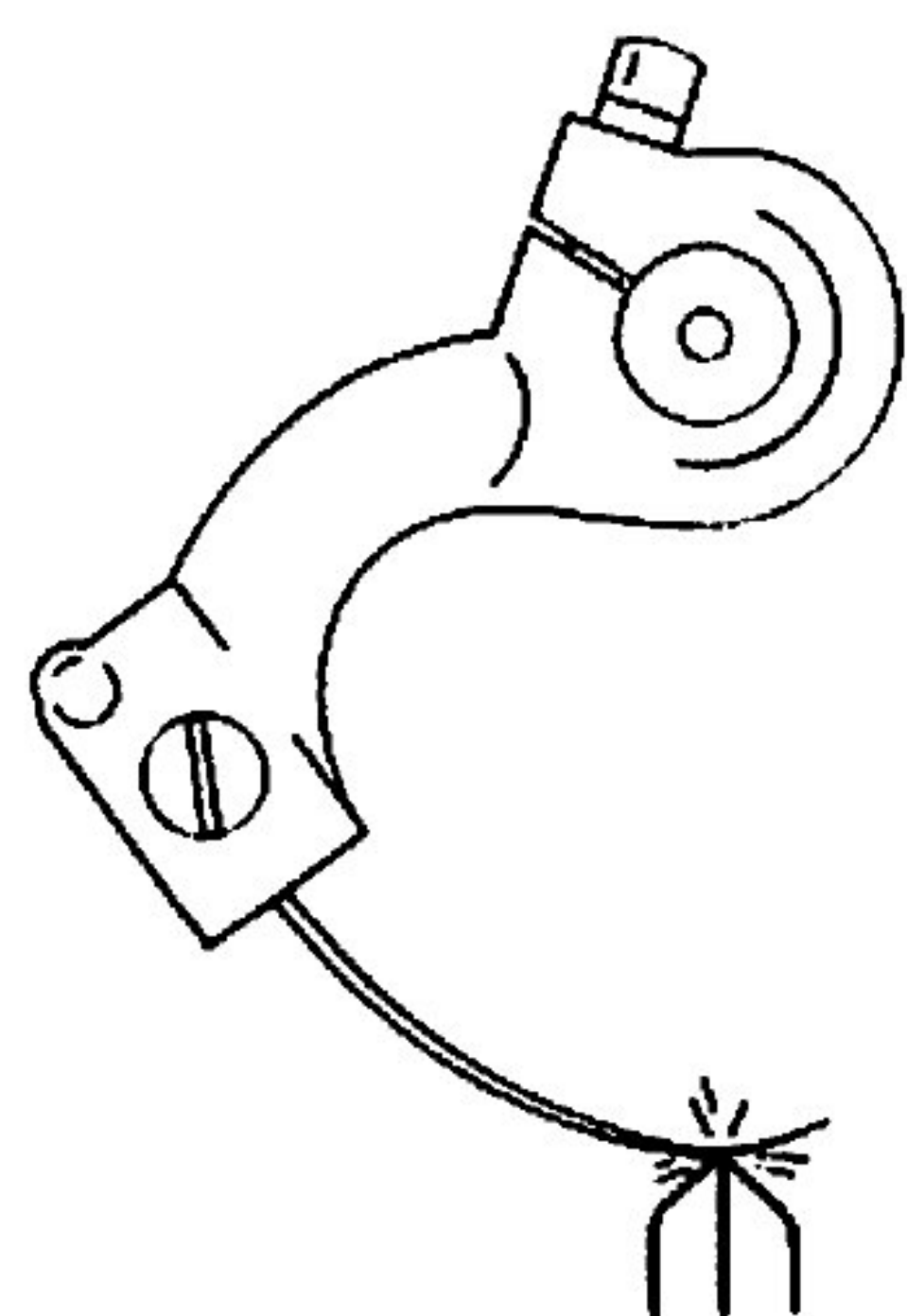
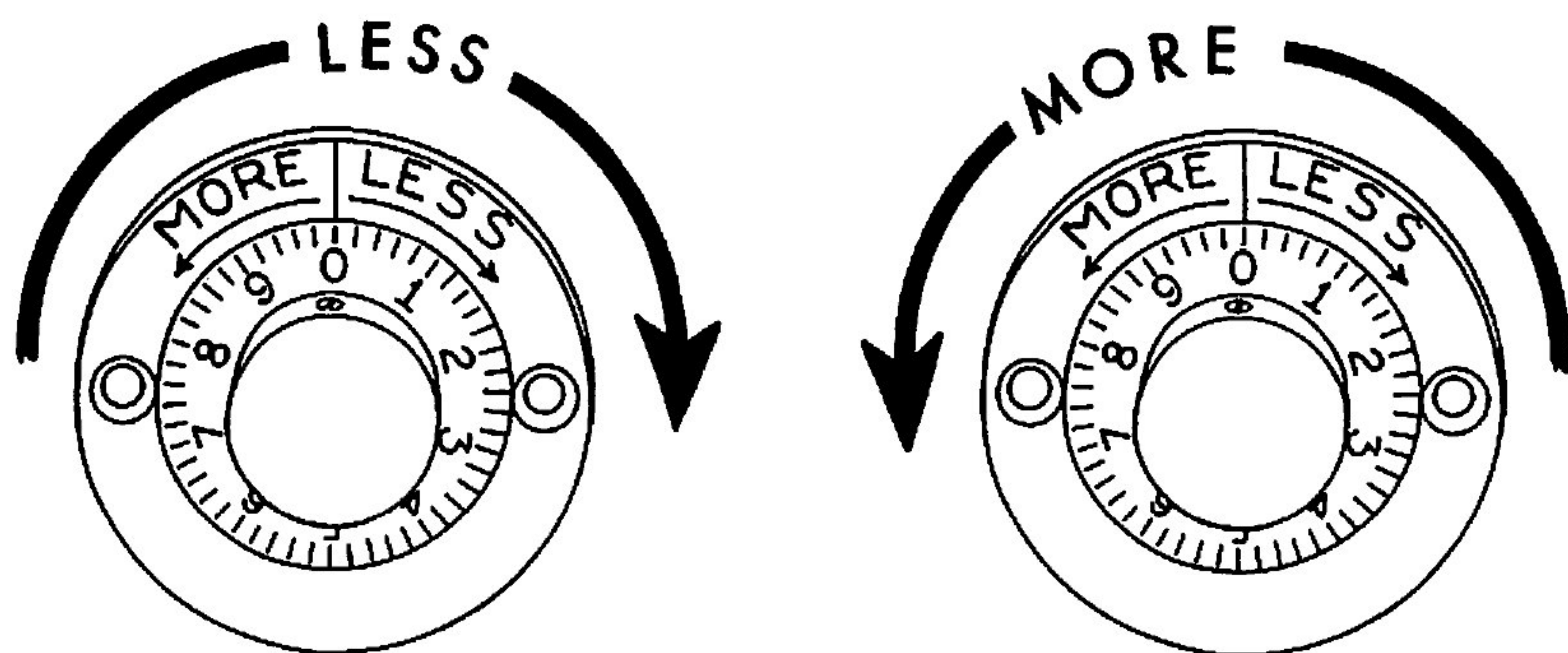


Fig. 1

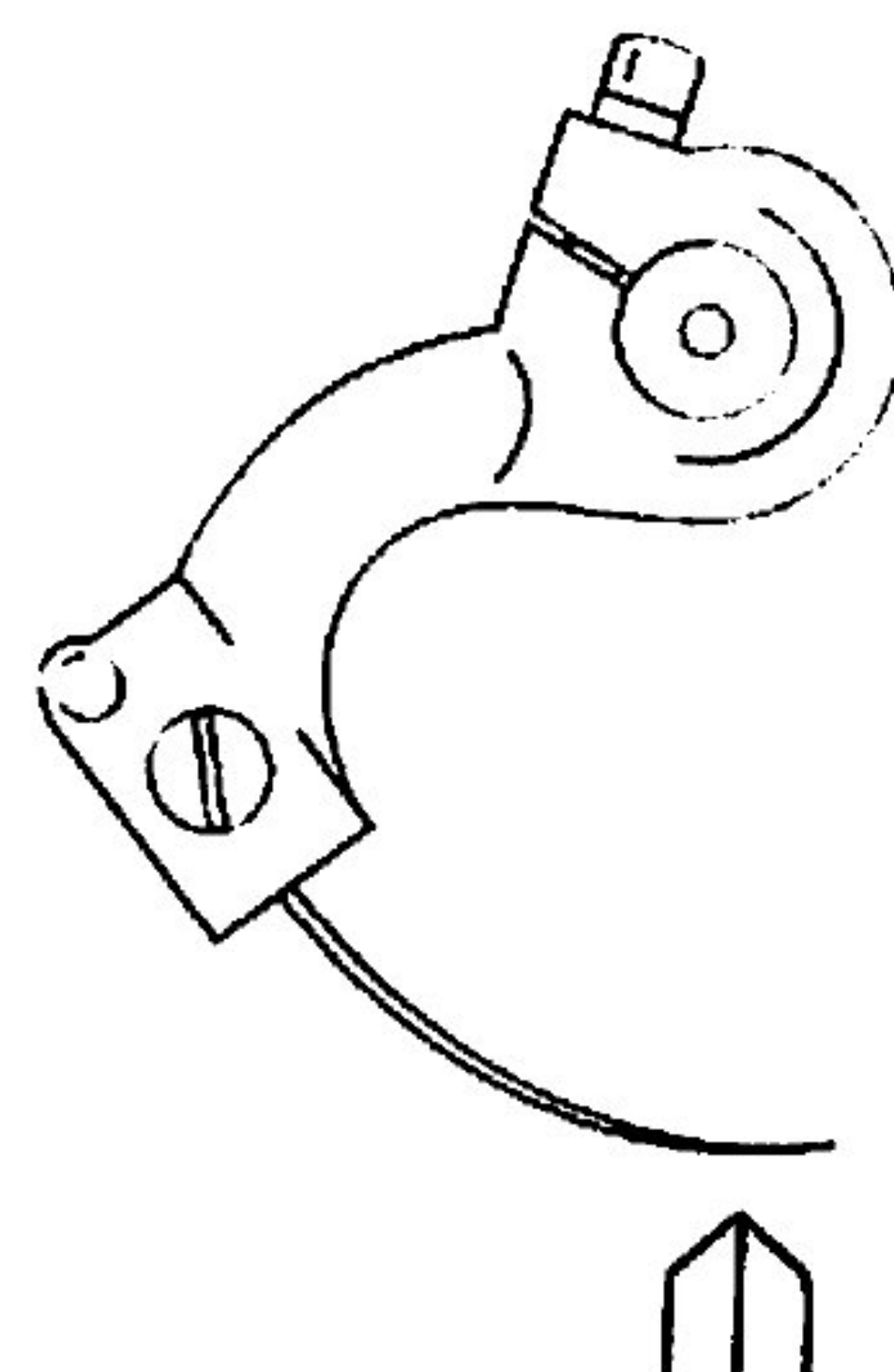


Fig. 2

6. When needle just touches rib (Fig. 3), machine is set to test.

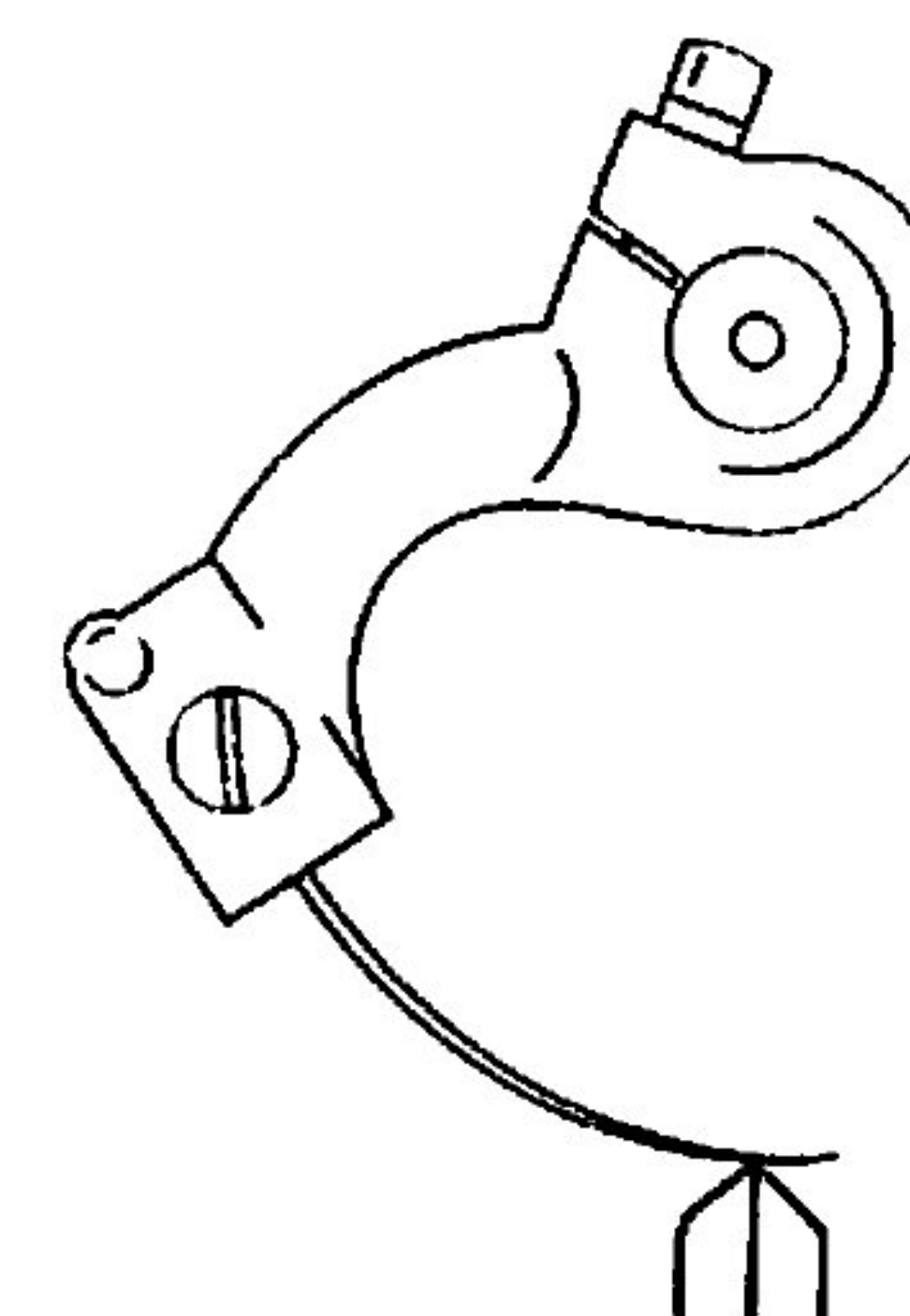


Fig. 3

7. To test machine, when ratio is set 2 to 1 ratio — take single layer of material, place in machine and turn machine by hand. If machine catches once, then does not catch on next stroke, machine is ready to work.
8. Keep dialing "MORE" or "LESS" until above results are obtained on silk or any thin goods.
9. On heavy goods, it should catch on each stroke of needle.
10. You are now ready to thread machine. Refer to threading instructions.

CHANGING NEEDLES

If, after turning your dial several times, you experience difficulty in catching the lower layer of goods, examination may disclose a BENT or BURRED NEEDLE . . . The needle should be changed immediately.

IMPORTANT — To test if needle is bent, needle must rest on needle guide R-47. To test if needle is burred, rub fingernail across point of needle.

THE MACHINE SHOULD BE CHECKED TO INSURE CORRECT NEEDLE SETTING TO PREVENT DAMAGE TO NEEDLES.

VERY IMPORTANT

Use only genuine REX needles. Accept no others. REX needles cost no more than cheap imitations, and are ALWAYS available. Standard Size Needles: #10 - #15 - #20 - #25 - #30

Machines equipped with #25

HOW TO SEW

1. With hands 12 inches or so apart, hold hem firmly. Depress knee lifter, place hem in machine parallel with, and up under presser foot.
2. Place edge of hem in slot of R-49A, and at edge of gauge (R-125).
3. Start sewing. **IMPORTANT:** Keep edge of hem lightly, but firmly against gauge, keep material parallel to gauge by **KEEPING EYES ON GAUGE ONLY . . . NOT ON NEEDLE OR SEWING.**

TENSION

If material puckers, loosen tension.

If thread is loose, make sure thread is down in tension, then tighten accordingly. Do not hesitate to turn tension nut several times as needed.

On thin goods, a light tension is required. On heavier goods, a tighter tension is necessary.

IMPORTANT: Unlike a regular machine, this machine requires very little tension.

CHANGING FROM RATIO 1-1 TO 2-1

1. Turn Ratio Dial to 2-1 . . . to **CATCH** every other stitch when working with silk or other thin fabrics.
2. Turn Penetration Dial (R-57N) one complete turn toward **LESS**.

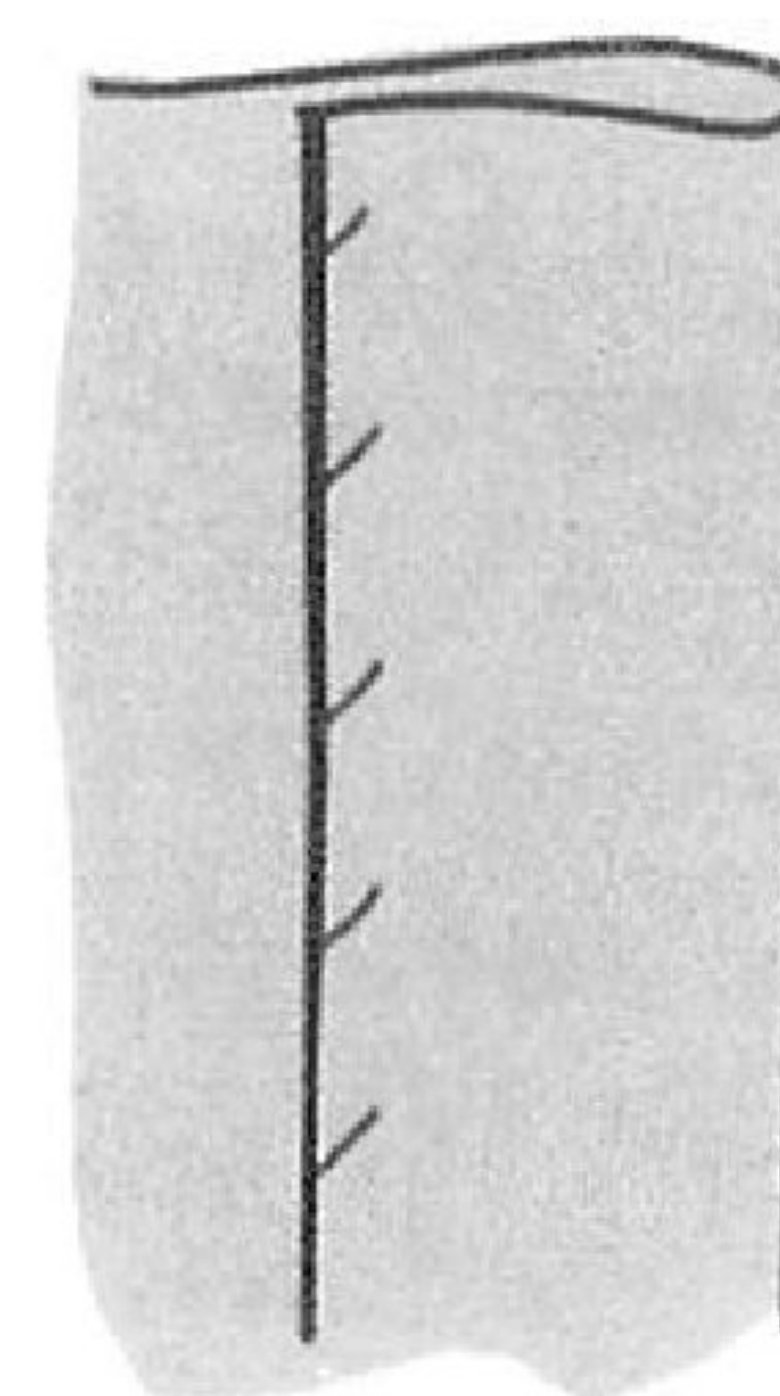
CHANGING FROM RATIO 2-1 TO 1-1

1. Turn Ratio Knob to 1-1 to catch **EVERY STITCH**.
2. Turn Penetration Dial (R-57N) one complete turn toward **MORE**.

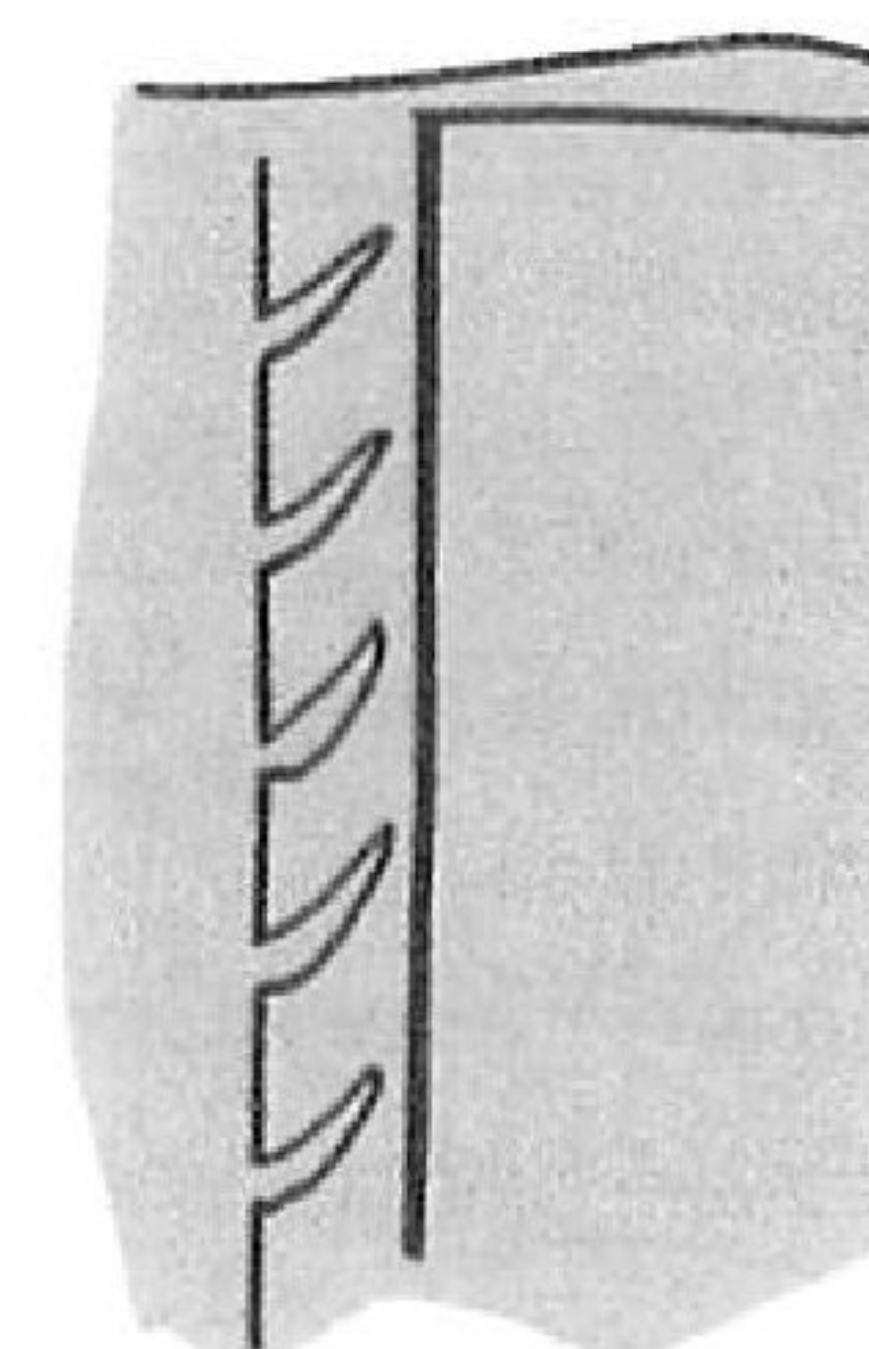
START SEWING

1. On thin goods or ribbon gauge (R-125) should be set almost at extreme right side of machine and should obtain results shown in Fig. 1.
2. For heavier goods, bring gauge to the left as necessary.
3. Do not pull material to help feeding, do not hold material back, just hold firm but lightly.

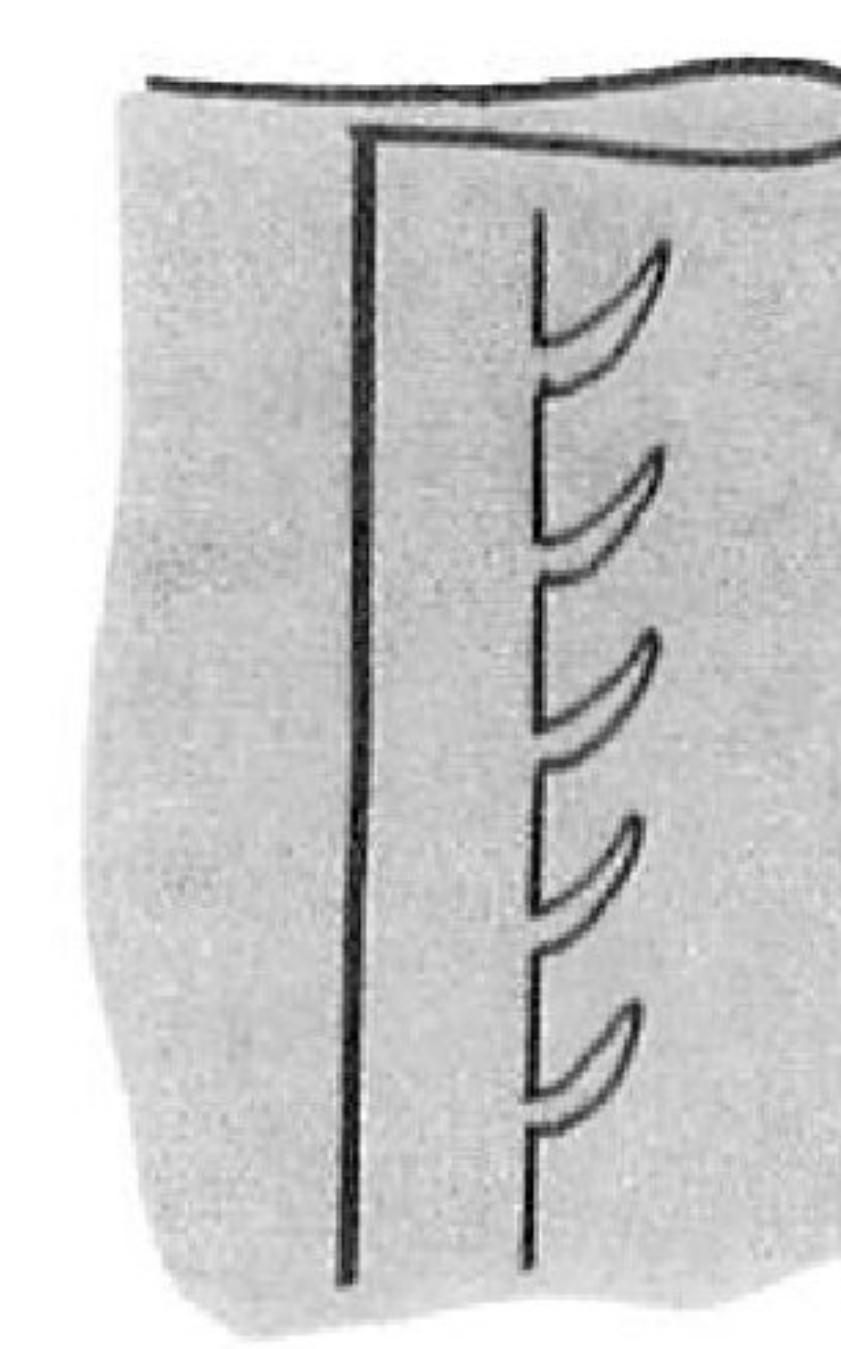
PROPER STITCHING



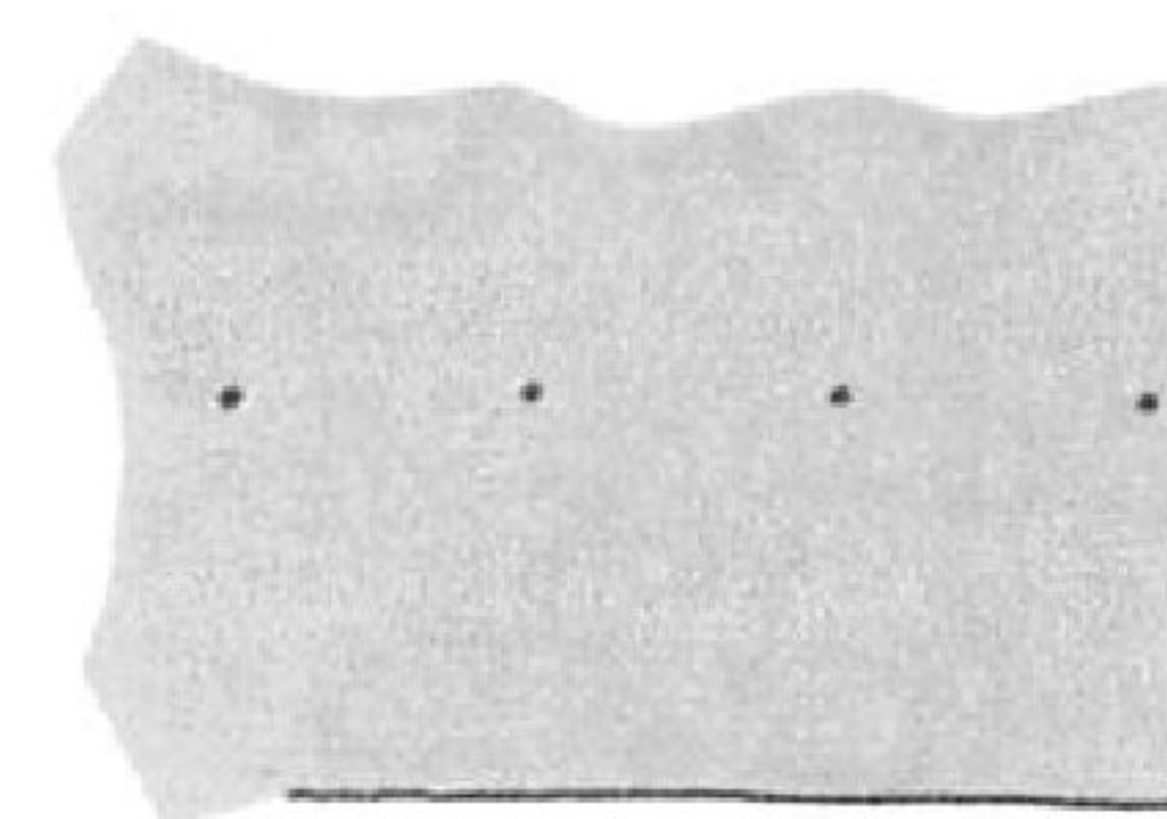
1. Proper stitching.



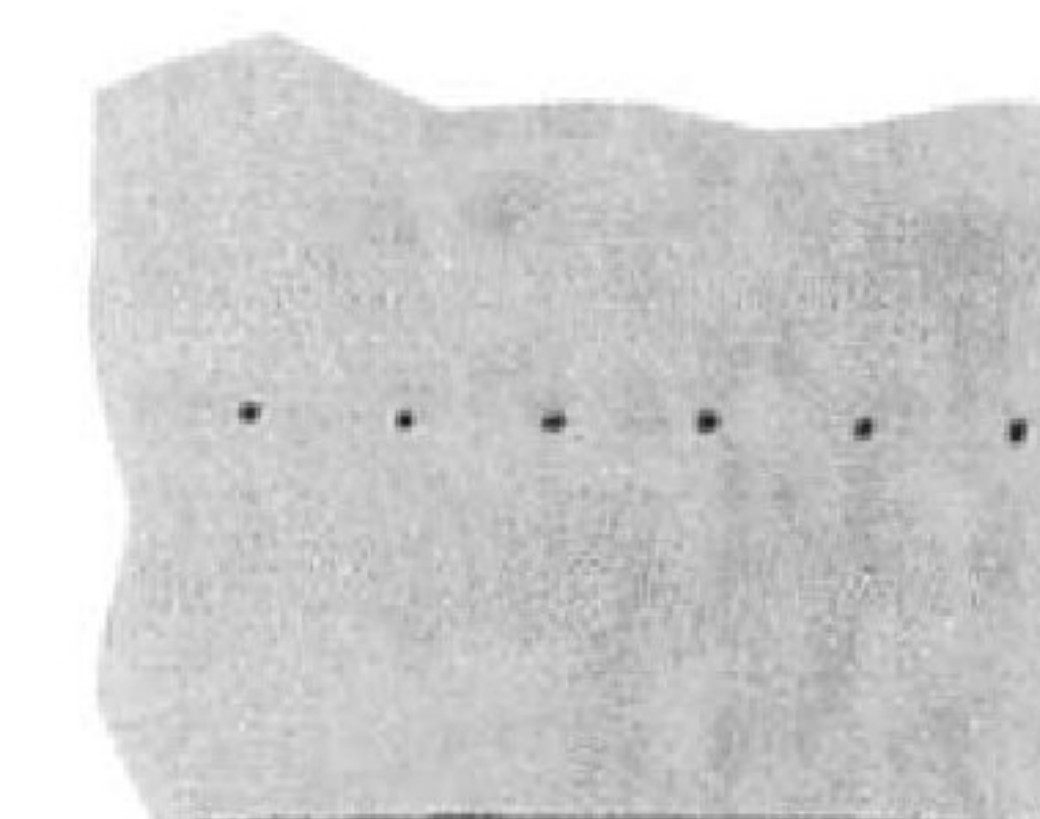
2. Material running off. Bring gauge over a little to left.



3. Gauge too far to left. Move gauge over to right.



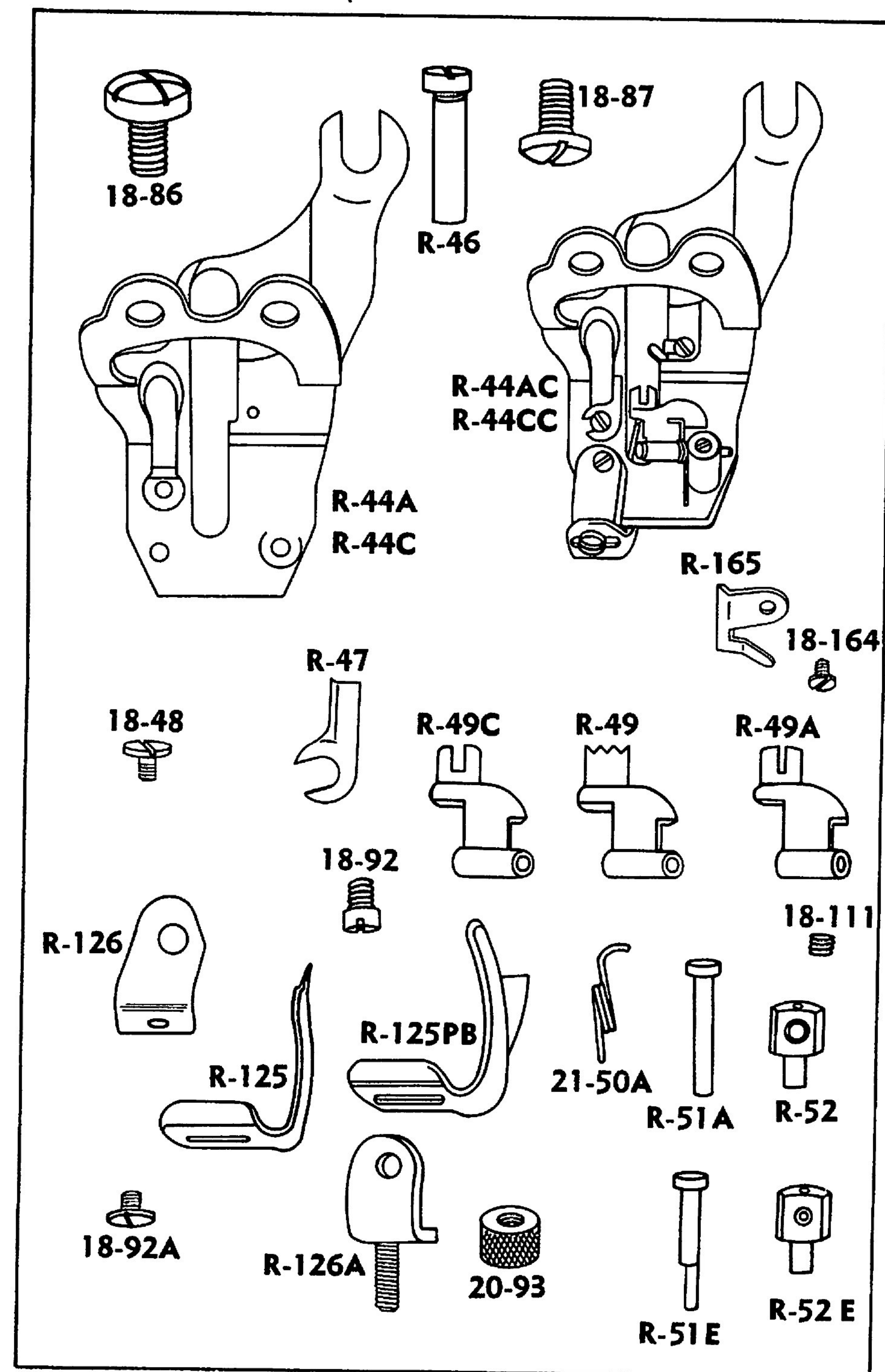
4. Catches on thin fabric every other time. (Provided needle is good.)



5. If catching each time on light fabric, turn dial to "LESS" until it looks like Fig. 4.

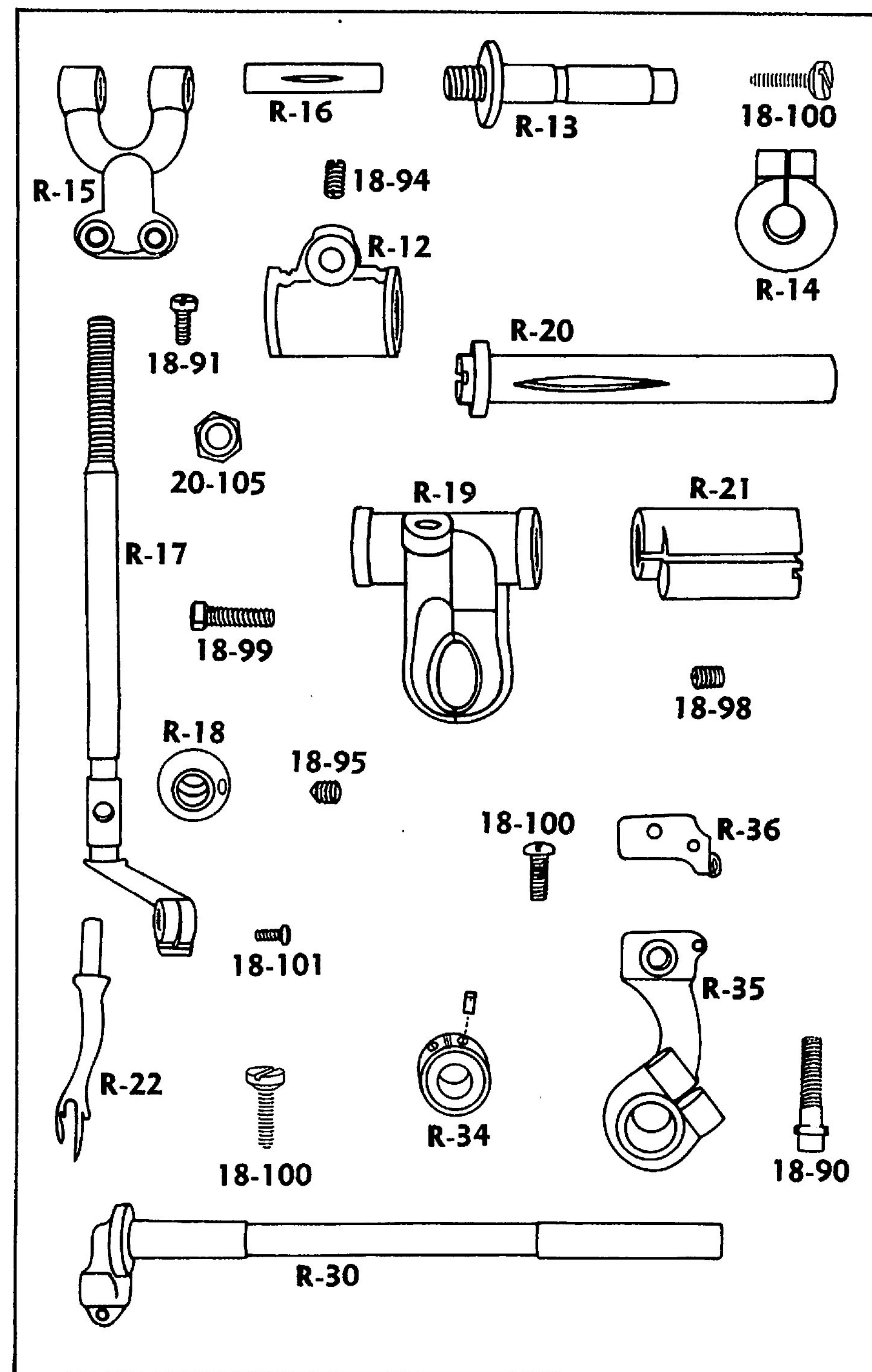
PART No.	DESCRIPTION
R-44A	Presserfoot For Fine Goods (Dresses)
R-44C	Presserfoot For Heavier Goods (Sportswear)
R-44AC	Presserfoot Assembled Including Parts (Fine Goods)
R-44CC	Presserfoot Assembled Including Parts (Sportswear)
R-52	Presserfoot Shoe Stud
R-51A	Shoe Stud Pin
R-51E	Eccentric Shoe Pin For R-52E
R-52E	Stud For R51E Eccentric Shoe Pin
R-46	Presserfoot Eccentric Pin
18-111	Shoe Pin Screw
18-48	Needle Guide Screw
R-47	Needle Guide
18-92	Cloth Guide Bracket Screw
R-126	Cloth Guide Bracket
R-49	Presserfoot Shoe — Heavy Coats
R-49C	Presserfoot Shoe — Sportswear and Drapery
R-49A	Presserfoot Shoe — Fine Goods
18-87	Presserfoot Brace Screw
18-86	Presserfoot Clamp Screw
21-50A	Presserfoot Shoe Spring
18-164	Chain Off Pin Screw
R-165	Chain Off Pin
18-92A	Cloth Guide Screw
R-125	Cloth Guide
R-125PB	Cloth Guide — Pants Bottom
20-93	Cloth Guide Nut
R-126A	Cloth Guide Bracket

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL NUMBER AND SERIAL NUMBER OF BLINDSTITCH MACHINE
 (Look for Serial Number stamped in lower left hand corner in rear of machine.)



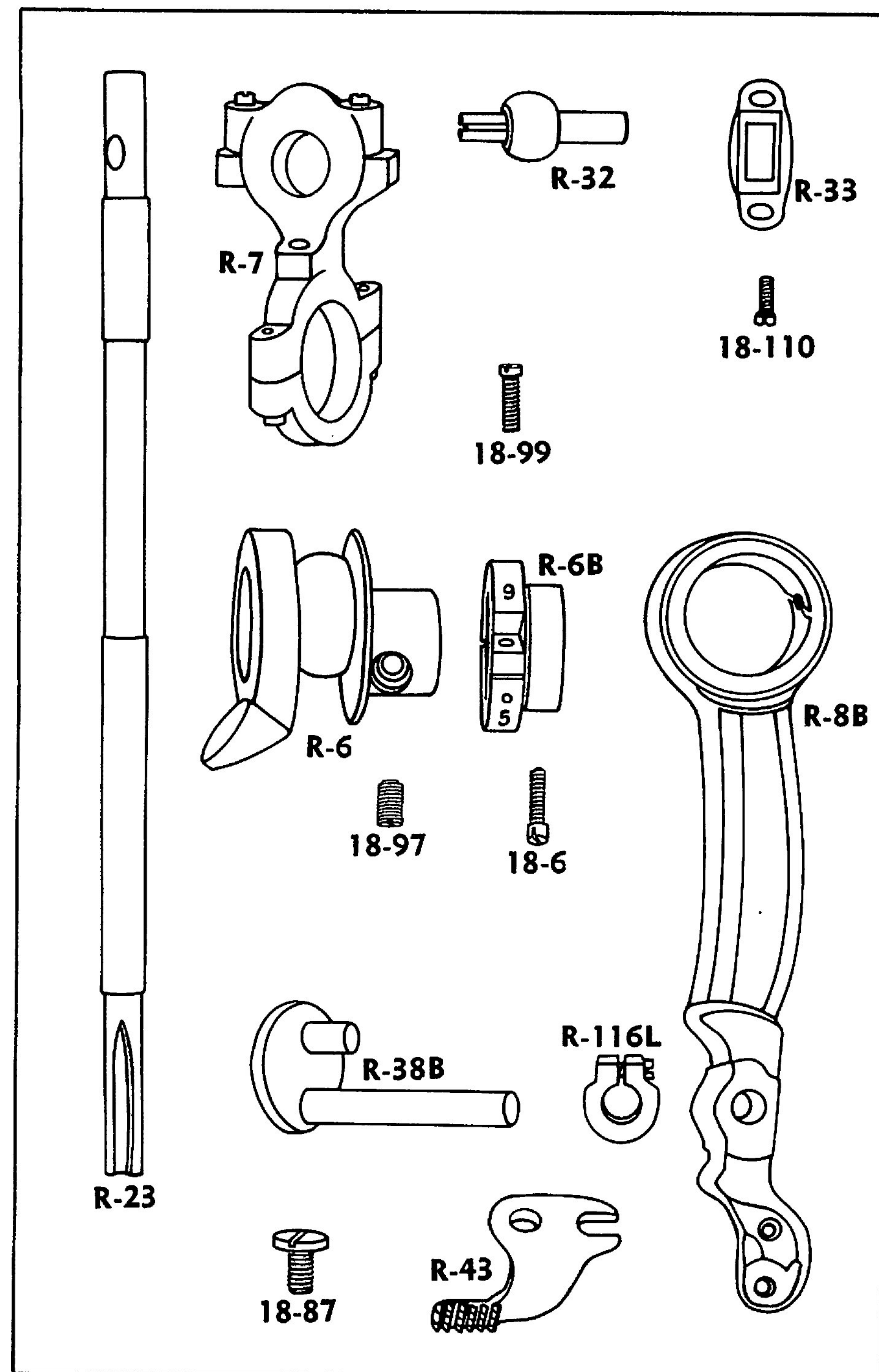
PART No.	DESCRIPTION
R-12	Looper Rod Sleeve
18-94	Looper Sleeve Pin Screw
R-13	Looper Rod Sleeve Stud
R-14	Looper Rod Sleeve Clamp Collar
18-100	Sleeve Clamp Collar Screw
R-15	Looper Rod Fork
18-91	Looper Fork Clamp Screw
R-16	Looper Rod Fork Pin
R-17	Looper Rod
18-101	Looper Clamp Screw
20-105	Looper Rod Nut
R-18	Looper Rod Ball
18-95	Looper Rod Ball Screw
R-19	Looper Rod Carrier
18-99	Looper Rod Carrier Clamp Screw
R-20	Looper Rod Carrier Pin
R-21	Eccentric Block
18-98	Eccentric Block Screw
R-22	Looper
R-30	Needle Shaft
18-100	Needle Shaft Crank Screw
R-34	Needle Shaft Clamp Collar
R-35	Needle Lever
R-36	Needle Clamp
18-100	Needle Clamp Screw
18-90	Needle Lever Clamp Screw
412356	R-12-13-14-15-16 with Screws Fitted and Lapped
47892	R-17-18-19-20 with Screws Fitted and Lapped
41819	R-18-19 with Screws Fitted and Lapped
41220	R-12 to 20 Inclusive with Screws Fitted and Lapped

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PART No.	DESCRIPTION
R-23	Main Shaft
R-7	Needle Shaft Connection
R-6	Needle and Feed Eccentric
R-38B	Feed Lever Rocker Pin
R-32	Eccentric Ball Stud
R-8B	Feed Lever
R-33	Eccentric Ball Guard
R-116L	Feed Lever Rocker Pin Collar
R-43	Feeder
R-6B	Stitch Regulating Collar
18-97	Eccentric Screw for R-6
18-99	Needle Connection Screw
18-87	Feeder Screw
18-110	Eccentric Ball Guard Screw
18-6	Stitch Regulating Collar Screw
R-46732	Parts 6-7-32 Fitted and Lapped
R-46B8	Parts 6B-8B Fitted and Lapped

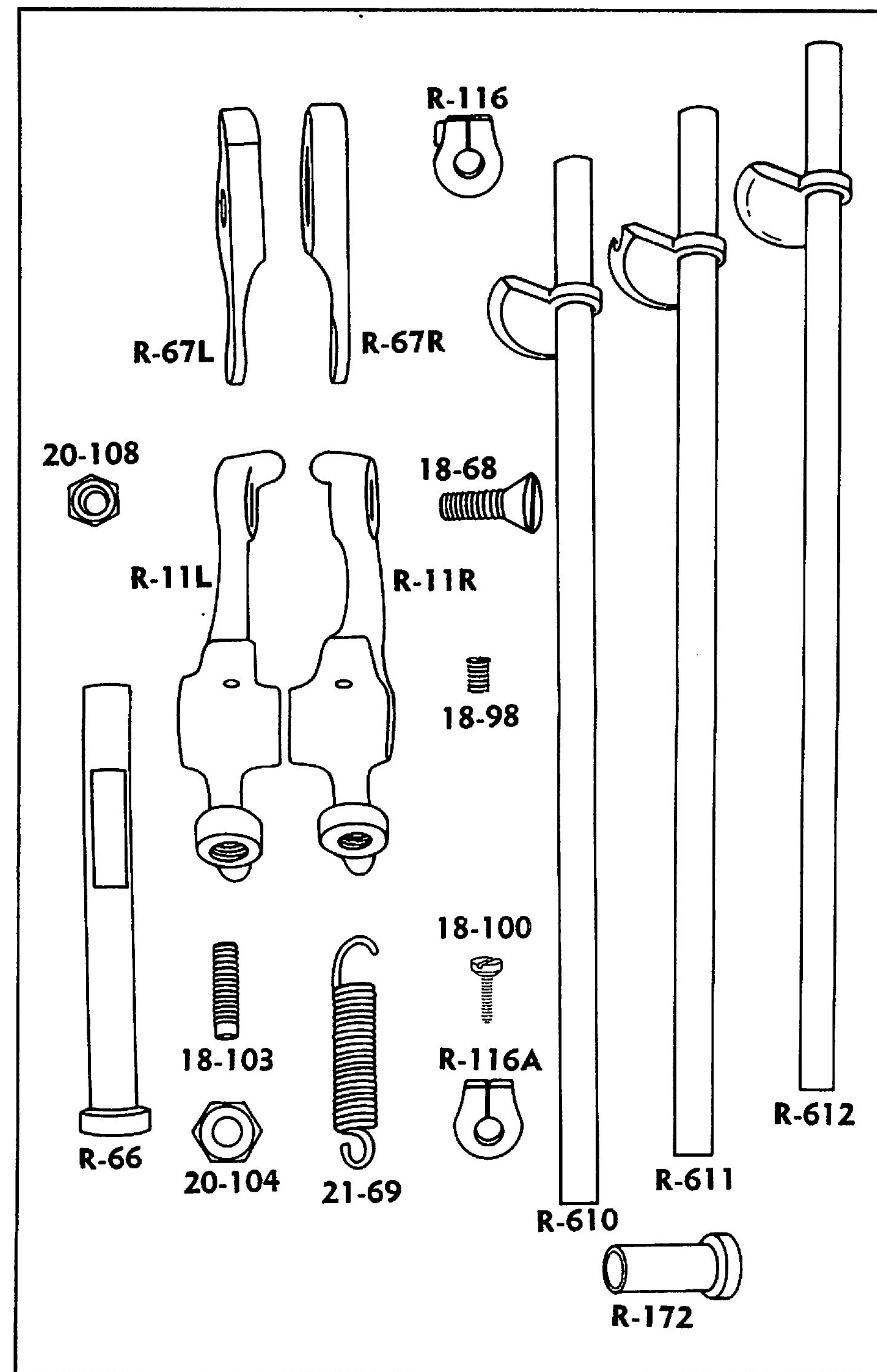
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PART No.	DESCRIPTION
R-67L	Left Platten
R-67R	Right Platten
20-108	Platten Screw Nut
18-68	Platten Screw
R-11L	Left Platten Bracket
R-11R	Right Platten Bracket
18-103	Platten Bracket Limit Screw
20-104	Platten Bracket Limit Screw Nut
R-66	Platten Bracket Pin
18-98	Platten Bracket Pin Screw
R-172	Rib Shaft Bearing (Left or Right)
21-69	Platten Spring
R-116	Left Rib Shaft Collar
R-116A	Right Rib Shaft Collar
R-610	Rib Shaft — No Notch for Thin Fabrics (Dresses)
R-611	Rib Shaft with Notch for Synthetic Hard Goods (Dresses)
R-612	Rib Shafts for Coats, Suits, Pants and Woolens
46711	R-67 and R-11 Left and Right with Screws and Nuts Complete

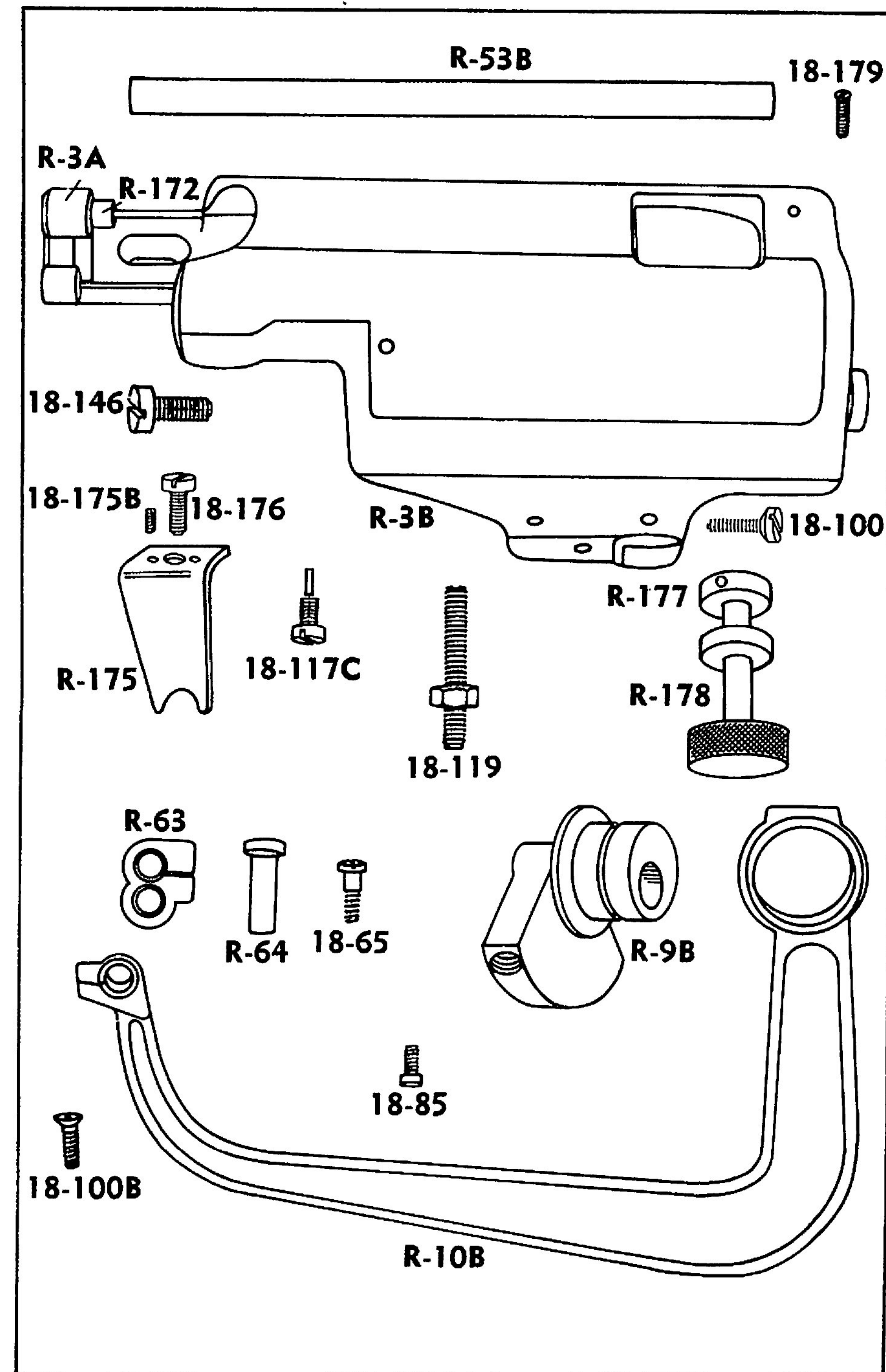
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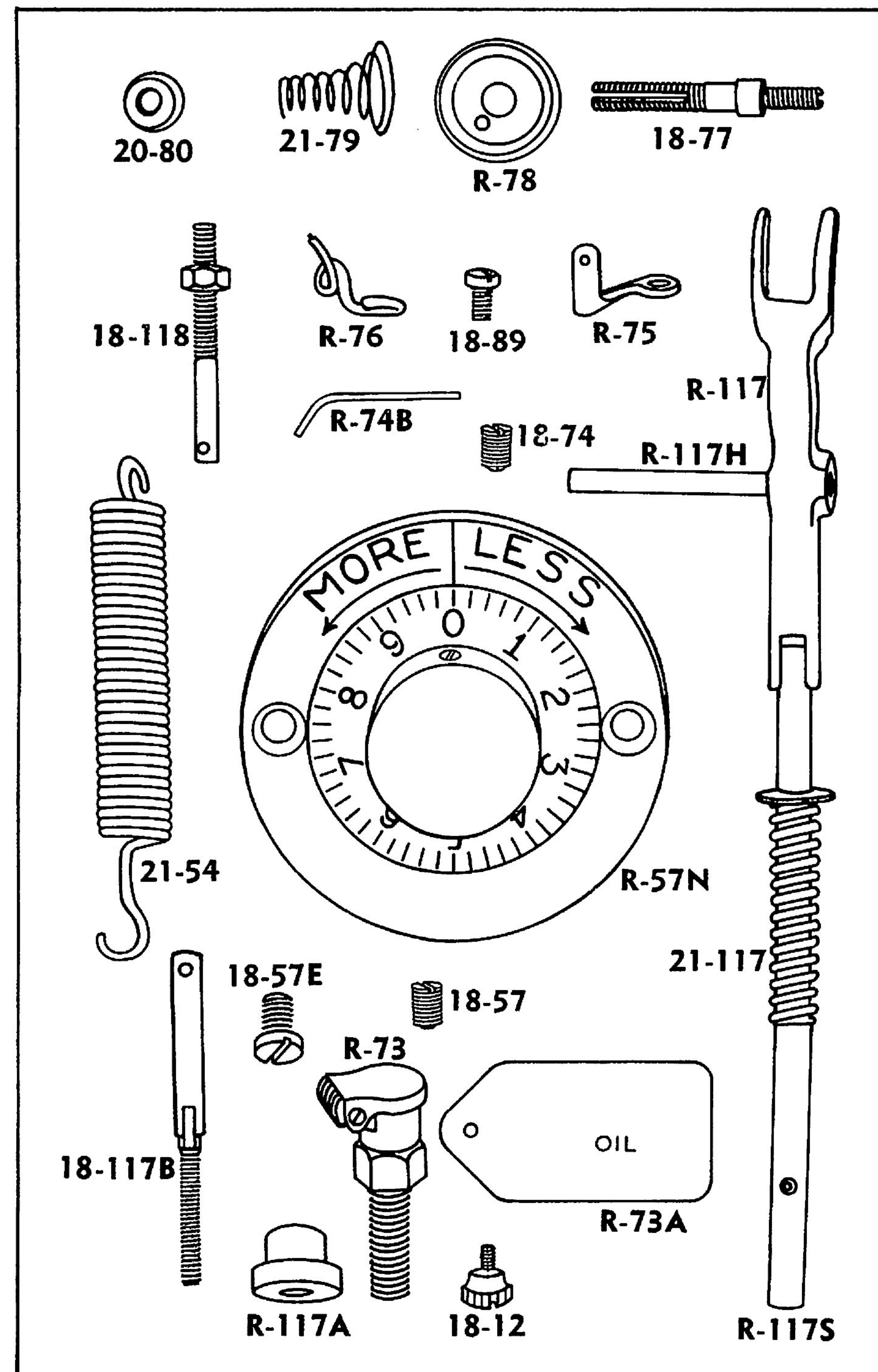
PART No.	DESCRIPTION
R-53B	Feed Frame Shaft
R-3B	Feed Frame
18-146	Screw for Rib Shaft Bracket Bearing Holder
R-3A	Rib Shaft Bracket
R-172	Right and Left Rib Shaft Bearing
18-100	Regulator Knob Securing Screw
R-175	Rib Support Bracket
18-175B	Rib Support Bracket Adjusting Screw
18-176	Rib Support Bracket Holding Screw
18-100B	Rib Lever Clamp Screw
R-10B	Rib Connection Lever
R-9B	Rib Connection Eccentric (For Non-Skip, 1-1 Models Only)
18-65	Rib Shaft Crank Clamp Screw
R-63	Rib Shaft Crank
R-64	Rib Shaft Crank Pin
18-119	Rib Height Limit Screw
18-117C	Main Spring Lock Screw
18-179	Feed Frame Shaft Screw
R-178	2-1 Regulator Knob (On Models with Serial Numbers Under 455)
R-177	Regulator Knob Collar (On Models with Serial Numbers Under 455)
18-85	Rib Connection Screw

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL NUMBER AND SERIAL NUMBER OF BLINDSTITCH MACHINE
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PART No.	DESCRIPTION
18-77	Tension Stud
R-78	Tension Disc
21-79	Tension Spring
20-80	Tension Nut
47890	Tension Complete 18-77 - R78 - (21-79) (20-80)
R-73	Oil Cup
21-54	Main Spring
R-118	Main Spring Screw and Nut
18-117B	Spring Link
20-117A	Spring Knob
18-89	Thread Guide Screw Front or Rear
R-76	Front Thread Guide
R-75	Rear Thread Guide
R-57N	Regulating Penetration Dial and Plate
R-117	Regulating Lever (Used Only on None-Skip Model 101-1)
R-117H	Regulating Lever Pin
21-117	Regulating Tension Spring
R-117S	Regulating Shaft (Used Only on Model 101-1)
18-57E	Regulating Plate Screw
18-57	Regulating Knob Dial Screw
R-74B	Thread Guide
18-74	Thread Guide Screw
18-12	Oil Plate Stud
R-73A	Oil Plate Cover

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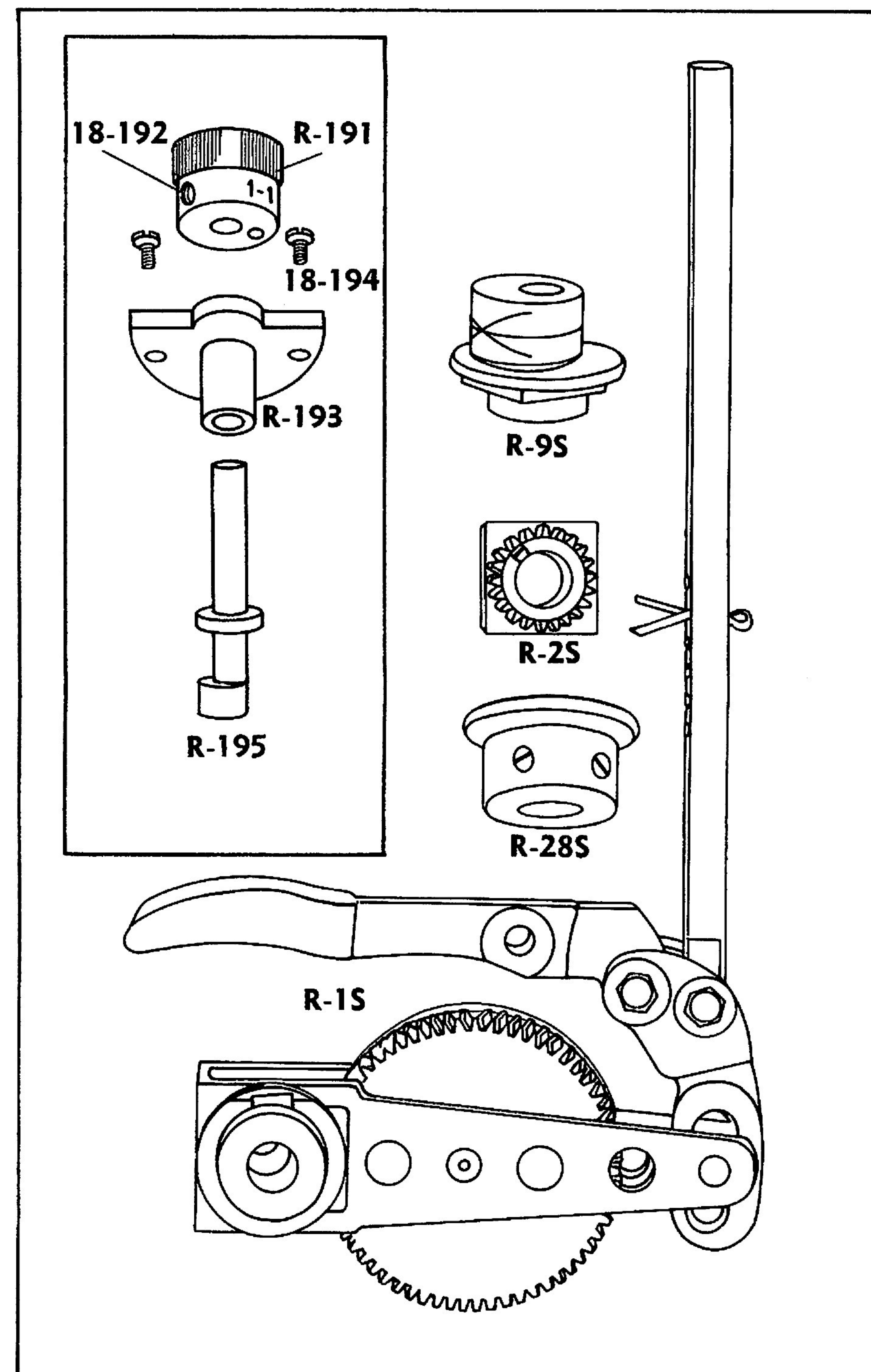


PART No.	DESCRIPTION
R-1S	Skip Stitch Gears Complete — Specify Model
R-9S	Eccentric
R-28S	End Collar
R-2S	Small Gear

ON MODELS 101-2/SERIAL NUMBERS OVER 455

R-191	Ratio Knob 1-1 and 2-1
18-192	Ratio Knob Screw
R-193	Ratio Control Housing
18-194	Ratio Control Housing Screw
R-195	Ratio Control Shaft

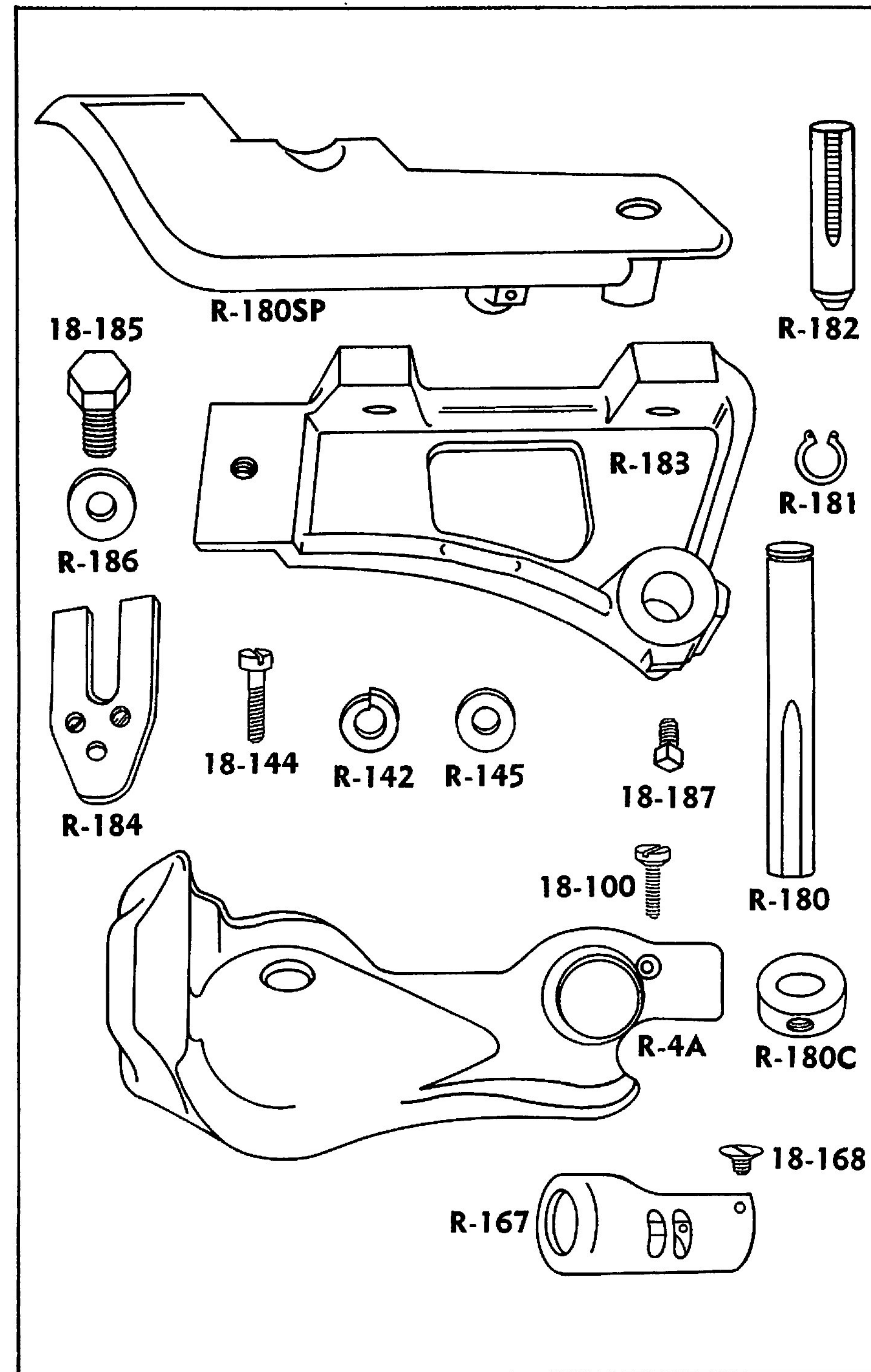
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PART No.	DESCRIPTION
R-180SP	Work Plate on Swivel
R-142	Supporting Bracket Lock Washer
R-145	Supporting Bracket Washer
18-144	Supporting Bracket Screw
R-4A	New Style Cover
18-100	Cover Screw
R-167	Cylinder
18-168	Cylinder Screw
R-180	Work Plate Pivot Pin
R-181	True Arc
R-182	Work Plate Support Pin
R-183	Work Plate Support Bracket
R-184	Lock Plate
18-185	Lock Plate Screw
R-186	Lock Plate Screw Washer
18-187	Set Screw For Pivot Pin R-180
18-187	Set Screw For Support Pin R-182
18-187	Set Screw For Pivot Pin Collar
R-180C	Work Plate Pivot Pin Collar
R-4180	Complete Work Plate & Support Bracket Assembled

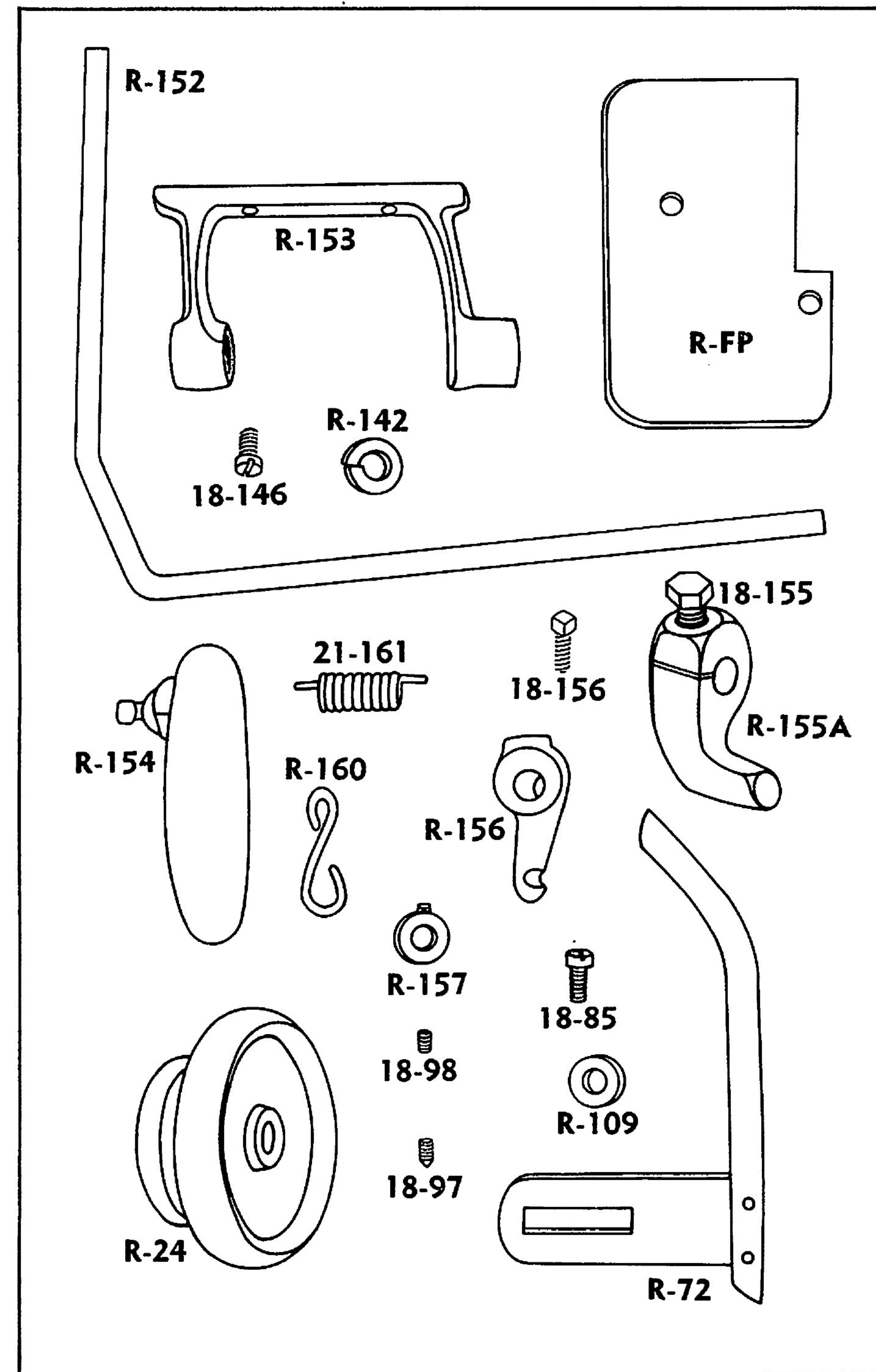
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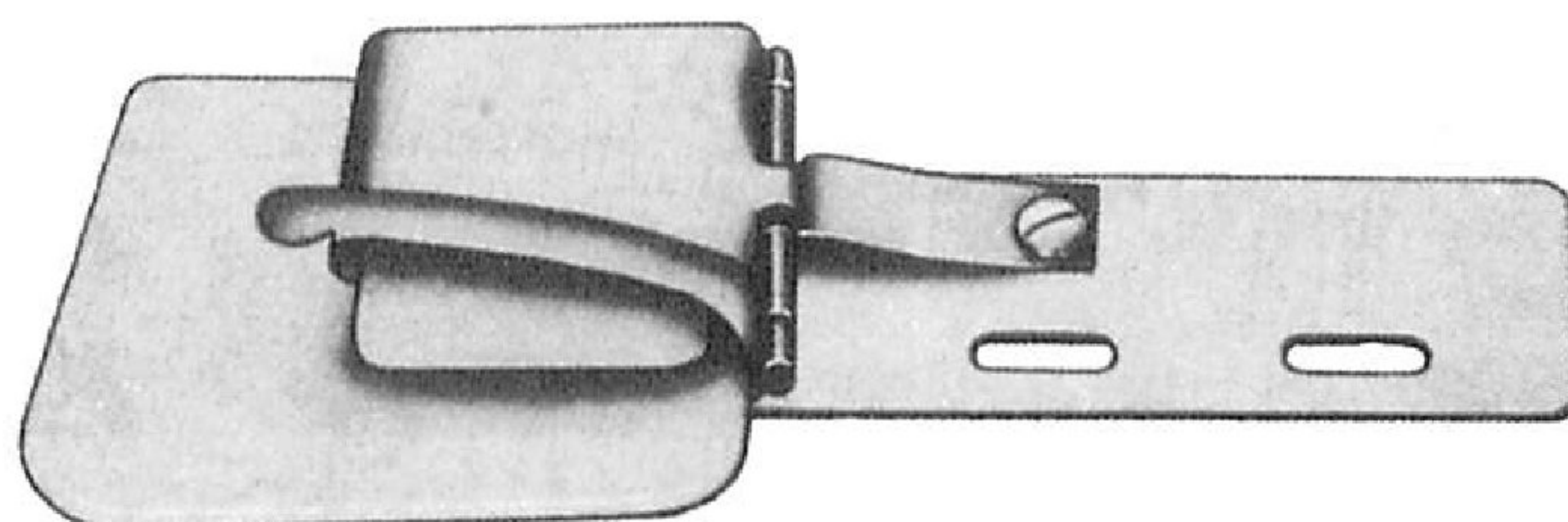
PART No.	DESCRIPTION
R-152	Knee Lifter Rod
R-153	Knee Lifter Rod Bracket
R-142	Bracket Lock Washer
R-160	S Hook for Depressing R-3B
R-154	Knee Pad
18-146	Knee Lifter Bracket Screw
21-161	Knee Lifter Support Spring
R-156	Lifter Lever
18-156	Lever Set Screw
R-155A	Stop Clamp
18-155	Stop Clamp Screw
18-85	Belt Guard Screw
18-98	Hand Wheel Screw
18-97	Conical Point Screw for R-24 (Hand Wheel)
R-157	Collar for Non-Skip (1 to 1) Models Only
R-109	Belt Guard Washer
R-72	Belt Guard
R-24	Hand Wheel
R-FP	Felt Pad

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL NUMBER AND SERIAL NUMBER OF BLINDSTITCH MACHINE
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**LATCH BLINDSTITCH HEMMER
(R-2000)**

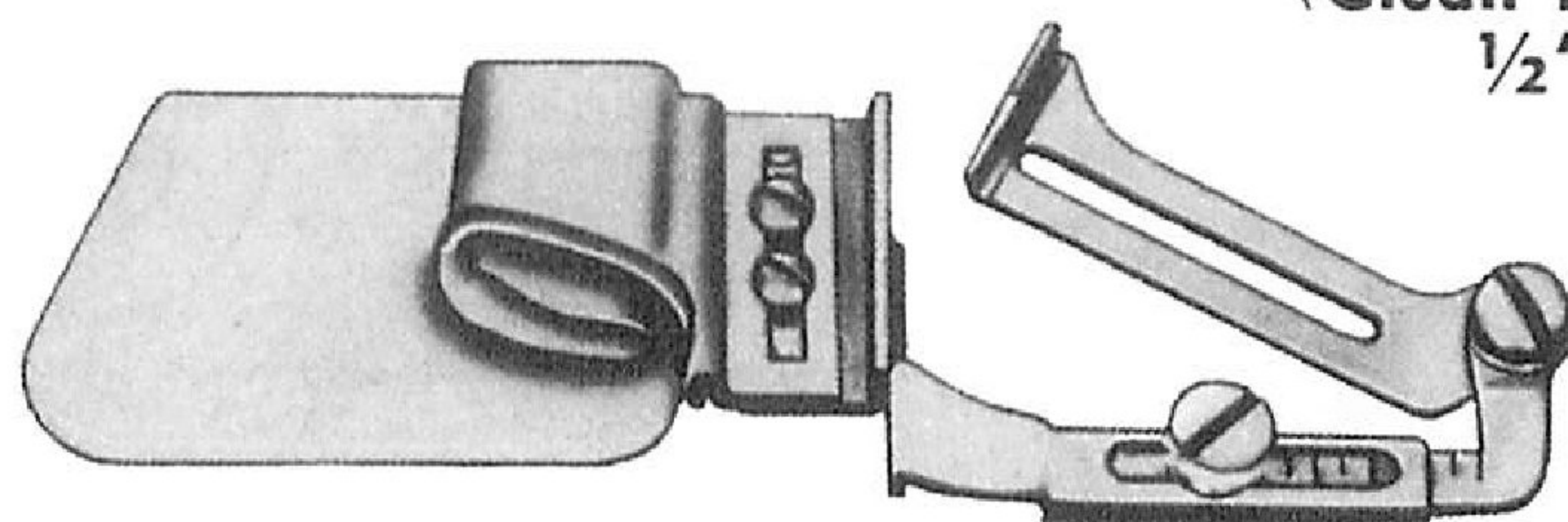
**Stainless Steel
1" to 3"**



**FOR FINISHING BOTTOM HEMS
ON DRESSES, SKIRTS, AND OTHER CIRCULAR GARMENTS.**

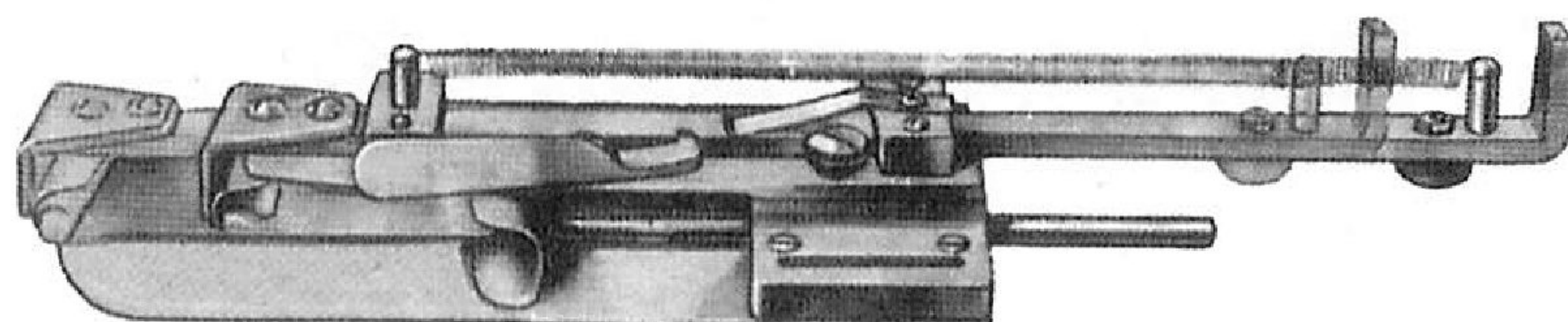
**STAINLESS STEEL SWING HEMMER
(R-1000)** For **BLINDSTITCH** Machines
(Clean Finish)

1/2" to 4"



SPECIAL FEATURE:
Adjustable to and from the Needle Point

**ADJUSTABLE SPLIT HEMMER
(R-1400)** For **BLINDSTITCH** Machines



**SHELLS AVAILABLE
from
1/2" to 4"
Specify Size & Quantity**

STANDARD SIZE NEEDLES

- #10 Fine knit rayon
- #15 Fine knit wear
- #20 Fine knit jersey
- #25 Dresses and light fabrics
- #30 For sportswear
- #35 For heavy, hard material and coats

Machines generally equipped with #25.

Also available —

Needle size numbers: #2 - #2½ - #3 - #3½ - #4 - #4½

VERY IMPORTANT

**Use only genuine REX needles. Accept no others. REX needles
cost no more than cheap imitations and are ALWAYS available.**

If you have any difficulty, do not hesitate to contact dealer
who sold you this machine. If unable to obtain satisfaction,
please write or phone us direct:

REX TRADING CORPORATION
278 - 15th Avenue
Newark, New Jersey 07103
Area Code 201 — Phone 242-8485
Cable address: REX - NEWARK, NEW JERSEY

**REX — BACKED BY OVER THIRTY-FIVE YEARS OF
BLINDSTITCH EXPERIENCE**