

**INSTRUCTION MANUAL**

*and*

**PARTS BOOK**

*for*



**MODEL C**

**CATALOG NO. 960**

**DAVE FISCHBEIN MFG. COMPANY**

**2720 - 30TH AVE. SO. • MINNEAPOLIS 6, MINN., U.S.A.**

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## SUGGESTIONS

1. To insure successful operation of machine, study following instructions with care.

Machine is shipped with sample of sewing. Check sample for stitch and chain appearance.

After studying the instructions, practice sewing on the sample or an empty bag until control of machine is mastered. Then proceed to close filled bags.

## SERVICE

2. Prompt repair service, parts, thread, and supplies are available from the Dave Fischbein Company or authorized representatives. Service machines immediately available at nominal rental, plus transportation charges.

## GUARANTEE

3. This machine is unconditionally guaranteed for thirty (30) days from date of invoice against defective parts and workmanship; and if handled according to instructions, to operate satisfactorily.

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## GENERAL CARE OF MACHINE

- The machine uses a number 12, 4-ply thread, wound on 4-oz. cones. The Dave Fischbein Company, or authorized representatives, can supply this thread in cartons of 12 or 24 cones, or cases of 50 cones. Each cone will close about 200 normal size 100-lb. bags.
- Use genuine Fischbein Lubricating Oil for best results, obtainable from the Dave Fischbein Company or any authorized representative. See figure 1 for oiling details. At arrow "A," oil once a week. At all other arrows, oil once or twice a day, depending on use. See Paragraph 26 for motor lubrication.

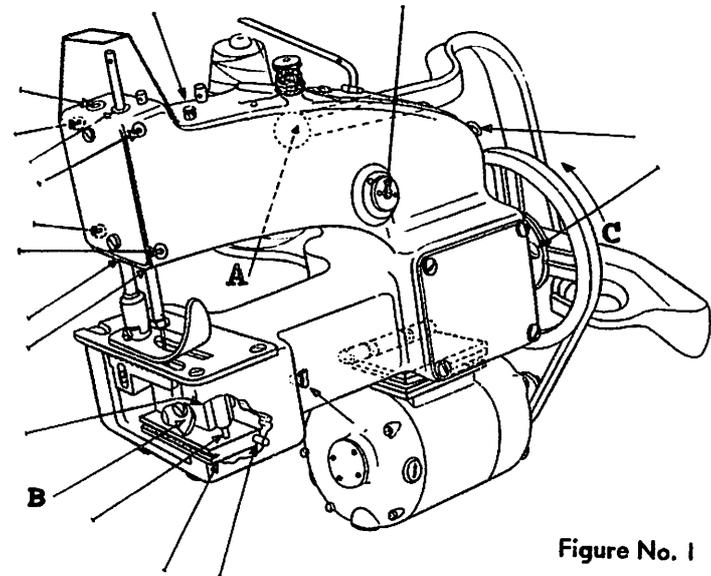


Figure No. 1

- Installation of any kind is not necessary. Merely arrange a box, shelf or bracket so that, between bags, operator can conveniently set machine down or hang it up. Do not operate machine from direct current (DC) or a 220 volt line unless machine has been specifically ordered for same. Use only 110 volt AC line.
- Keep machine well cleaned daily with Fischbein Cleaning Solvent, obtainable from the Dave Fischbein Company or any authorized representative. Wash out dirt as follows: Unthread needle. With machine running, dip portion shown, Figure No. 2, page 6, in three or four inches of solvent for about 10 seconds. Then, oil well according to paragraph No. 5. (Do not use gasoline or similar as a solvent.)

## SUGGESTIONS

- To insure successful operation of machine, study following instructions with care.

Machine is shipped with sample of sewing. Check sample for stitch and chain appearance.

After studying the instructions, practice sewing on the sample or an empty bag until control of machine is mastered. Then proceed to close filled bags.

## SERVICE

- Prompt repair service, parts, thread, and supplies are available from the Dave Fischbein Company or authorized representatives. Service machines immediately available at nominal rental, plus transportation charges.

## GUARANTEE

- This machine is unconditionally guaranteed for thirty (30) days from date of invoice against defective parts and workmanship; and if handled according to instructions, to operate satisfactorily.

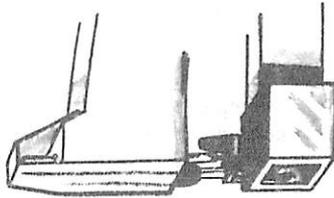


Figure No. 2

8. In winter months keep machine in warm quarters over night, or when not in use; otherwise, motor may be slow and sluggish. If this occurs, remove belt and let motor idle until warmed up.
9. Proper threading and tension are important to sewing and chaining off. See Figure No. 3 for details. A chain is a series of stitches without material, like this



Tension is the degree of resistance the thread meets in passing through the tension discs "C," Figure No. 3. Nut "D" controls the amount of tension. Nut "E" is the locking nut, which is to be locked after nut "D" is properly set. Too tight a tension will cause the thread to tear or bag to pucker. Too loose a tension will leave loose loops of thread on the bag instead of nice firm stitches. In either case, the machine may not chain off. To alter the amount of tension, turn nut "D," Figure No. 3, about  $\frac{1}{8}$  of a turn at a time—up to loosen tension, or down to tighten tension—testing on material—until desired stitch appearance is obtained. **BE SURE TO RE-LOCK WITH NUT "E."**

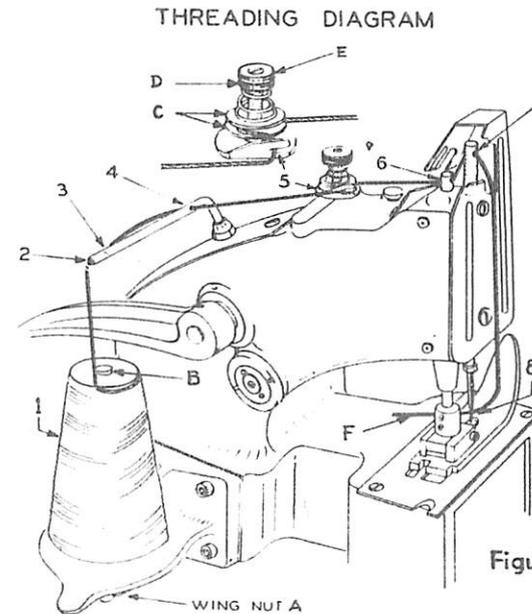


Figure No. 3

10. A. To replace empty cone of thread, remove clamping rod "B" by unscrewing wing nut "A," Fig. No. 3. To load full cone of thread, force rod "B" through hole in top of cone and securely lock in position with wing nut "A."
- B. To complete threading operation, merely follow threading diagram, Figure No. 3, or diagram furnished with machine. **BE SURE THREAD PASSES BETWEEN THE TWO DISCS "C."** Thread needle from outside to inside of machine. Leave about  $1\frac{1}{2}$ " of thread dangling through needle.
- C. If treated bags are being used, it is necessary to thoroughly saturate full cones of thread by soaking over night in container of Fischbein Thread Lubricant.
11. Insert new needle into needle bar as far as it will go, with long groove facing exactly outside of machine. The long groove will enter into bar. Lock needle securely with wrench provided with machine. See Figure No. 4.

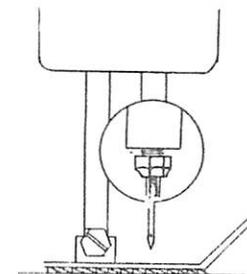


Figure No. 4

12. To change looper "B," Figure No. 1, follow instructions below very carefully. Machine will not sew or chain properly unless looper is set exactly right and according to these instructions:

- A. Unthread needle and remove presser foot, throat plate, and feed dog.
- B. Turn machine pulley by hand until holes in main shaft cam and feed dog carrier line up, see line A-A, Figure No. 5. Insert wrench No. 1-147C and loosen looper set screw, No. 1-152. Pull out old looper.
- C. Insert new looper, with flat on shank upright, so that set screw, No. 1-152, will lock on the flat and bring looper automatically into time. Tighten set screw only slightly.
- D. Turn machine pulley about a half a turn. This will bring looper and needle into crossing position. Allow about one sixty-fourth of an inch ( $1/64''$ ) between point of looper and needle, do not allow point of looper to rub or strike needle. It will be necessary to slide looper in or out to attain proper clearance. See Figure No. 6, Page 9.
- E. Next return machine to position A-A, Figure No. 5, and tighten set screw securely. Be sure looper does not move out of position.
- F. NOTE: The point of the looper must pass through the center of the needle scarf. The scarf is the hollowed out section just above the eye of the needle, see Figure No. 6. Unless the needle bar has been moved or has slipped, the looper will automatically time up properly. See next paragraph for needle bar setting.

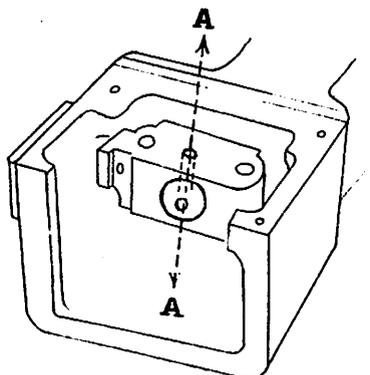


Figure No. 5

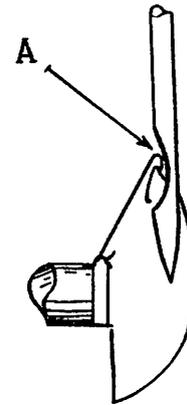


Figure No. 6

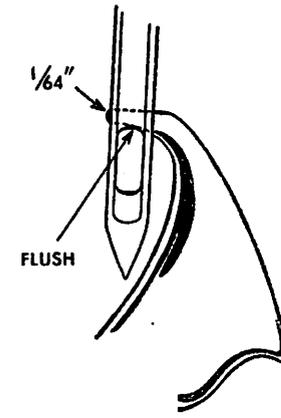


Figure No. 6A

13. To adjust or replace needle bar:

- A. Remove front cover No. 1-124L.
- B. Turn machine pulley until looper is in approximate position shown in Figure No. 6A. With wrench No. 1-147B, slightly loosen set screws C, Figure No. 7. Raise or lower needle bar and/or turn machine pulley to bring needle and looper in proper relationship per Figure No. 6A. **Do not change looper setting.** Make sure needle is not bent and is in the needle bar as far as it can go, see paragraph 11, page 7.
- C. Securely lock the two set screws C, and replace cover.

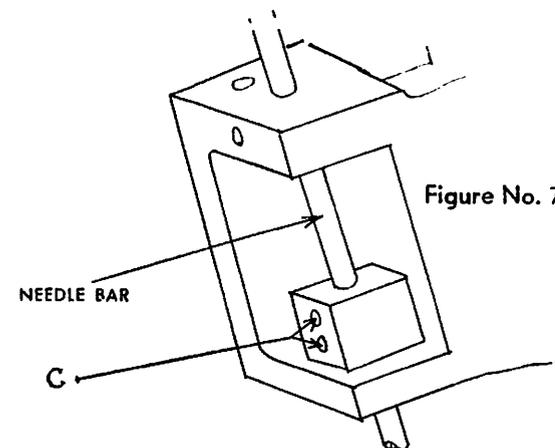
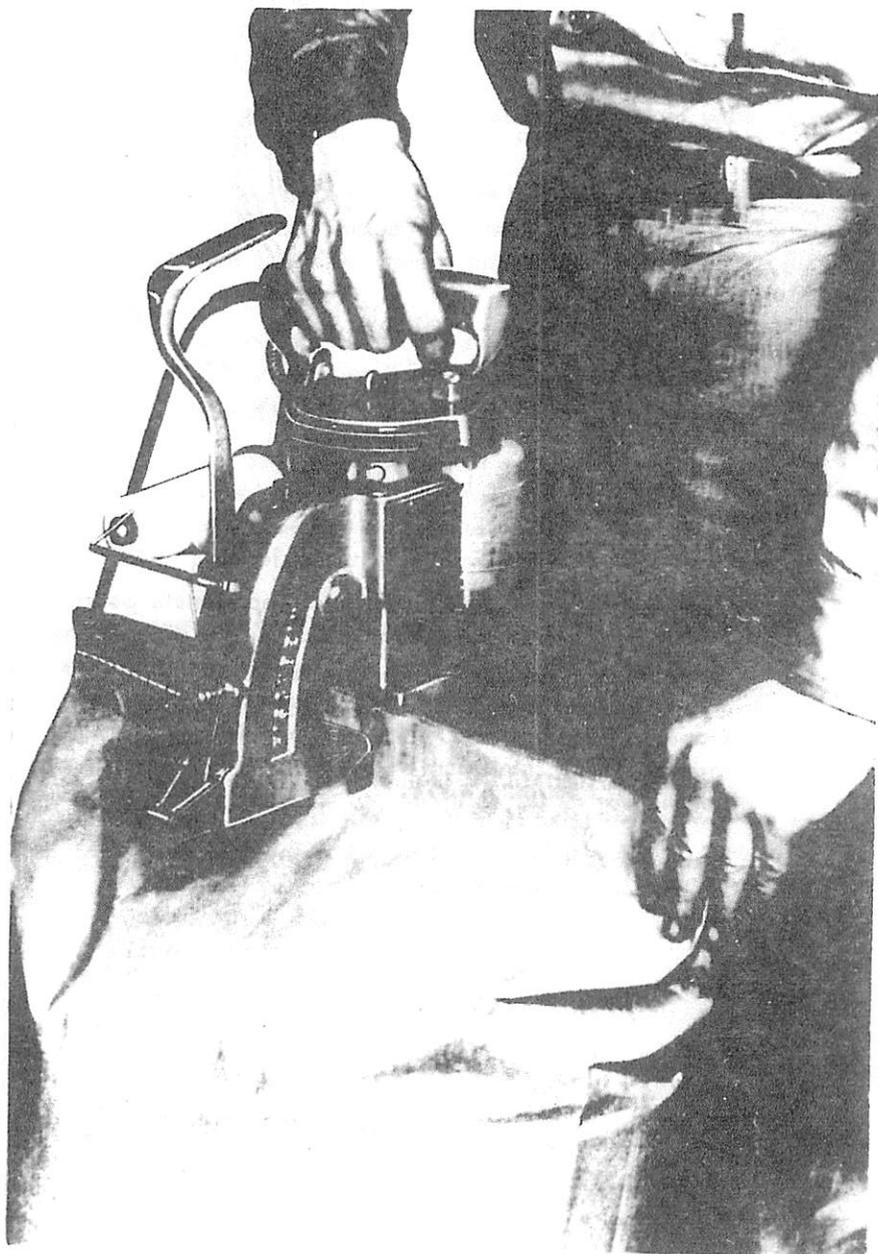


Figure No. 7



PROPER OPERATING POSITION

## HOW TO CLOSE A BAG

14. ALWAYS start a new bag from the side opposite the seam, never on the seam. See Figure No. 9.

If closing a used burlap bag that has been reversed and has loose jute dangling from the seam, start the machine on the seam side, with the seam an inch or two in from the side of the bag. See Figure No. 9A. This will prevent the tanglings of the loose jute from getting caught around the machine as it finishes off the bag.

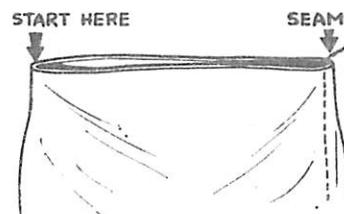


Figure No. 9

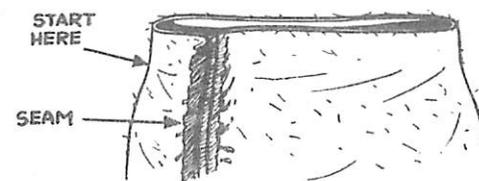
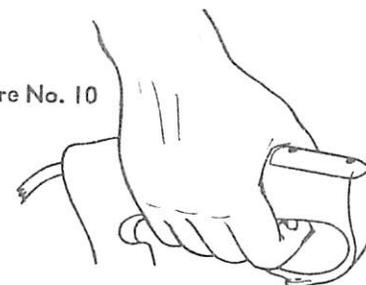


Figure No. 9A

15. Hold machine in right hand with forefinger through loop at bottom of handle. A slight finger pressure against switch button will start machine. Machine automatically stops when pressure is released. See Figure No. 10.

Figure No. 10



16. Hold bag in left hand at starting side, Figure No. 11, close to and between presser foot and feed dog. Then start machine by pushing starting button with forefinger. Machine will automatically engage bag. After sewing an inch or two on the bag, stop machine by releasing starting button, Figure No. 12. Then move left hand to finishing side of bag and proceed to finish closing the bag, Fig. No. 13. Sew about two inches past bag to allow for chain, which locks the closure. See paragraph 18A for cutting thread.



Figure No. 11



Figure No. 12

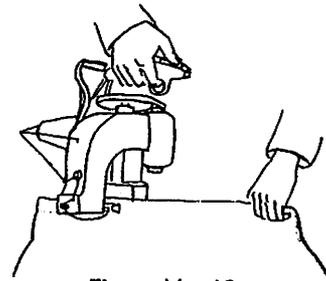


Figure No. 13

**NOTE:** Always sew above contents of bag, and as close to the top of bag as desired. Do not sew farther than four inches down from top of textile bag, and not more than two inches down from top of paper bag.

**NEVER** interfere with the feeding of the machine as it sews across the bag, by either pulling it, holding it back, or pulling up.

**17. HOW TO CLOSE A PAPER BAG:**

- A. After bag is filled, weighed, and ready for closing, the operator should first re-form gussets. (See Figure No. 14A.)
- B. Next, fold or "break" top of bag sharply over contents. (See Figure No. 14B.)
- C. Bring top of bag upright into closing position. The sides will be close together, smooth, and wrinkle-free. (See Fig. No. 14C.)
- D. Proceed with sewing operation as explained in paragraph 16, but sewing no more than two inches down from top of bag.
- E. If sifting is a problem, merely tuck in the inner ply tightly over contents and proceed to close bag as directed above.

**NOTE:** Sufficient top is necessary to properly "break" bag.

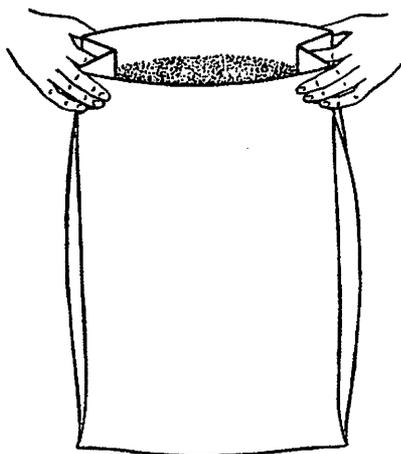


Figure No. 14A

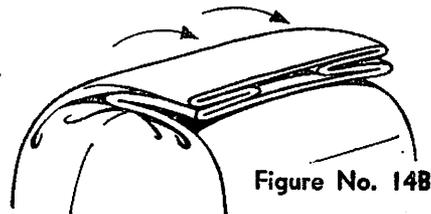


Figure No. 14B

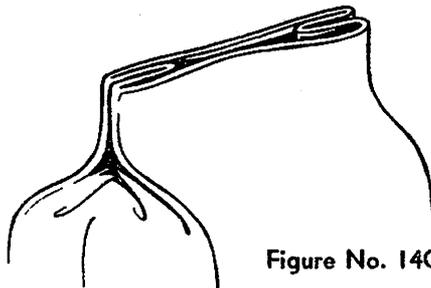


Figure No. 14C

18. When closing bags that are thick seamed on both sides such as Calcutta or Sisal bags, pull the seam on the starting side of bag two or three inches to one side, so that you start closing on the bag proper and not the seam. See Figure No. 15.

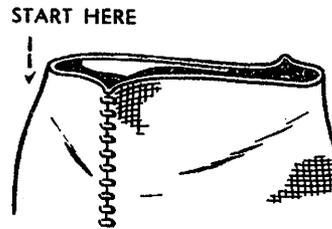


Figure No. 15

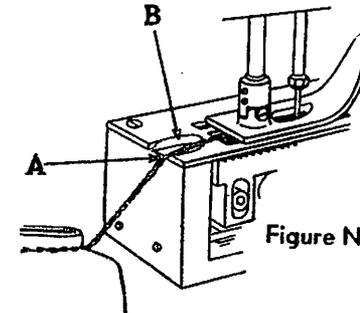


Figure No. 15A

- 18-A. To finish closing operation, run machine off the bag two or three inches. With machine running, pull chain "A" firmly into throat plate slot "B". Figure No. 15A.
19. To attach a tag, stop machine where tag is to be attached. Then hold tag firmly under presser foot and start machine. As soon as tag is sewed, stop machine. Then move left hand back and finish the closing operation.
20. **NOTE:** The following instructions are to be followed **ONLY** after rethreading machine. If machine is sewing and chaining properly, Figure No. 18, **DO NOT** depress the lever located in back of handle, see "A," Figure No. 16.

There will be no chain or stitch formation after re-threading machine. See "F," Figure No. 3. It is necessary to start the machine on the bag. Merely depress lever located in back of handle, see "A," Figure No. 16, so that presser foot will lift. See "B," Figure No. 16. Then bring machine into sewing position on bag about an inch in from side of bag, release lever "A." Proceed to sew as explained in paragraph 16. To close the open inch at the starting point, merely return to starting side of bag and sew (per instruction, Paragraph 16, Page 11) diagonally across open corner, see Figure No. 17, Page 14. Remember, do not depress lever "A" this time.

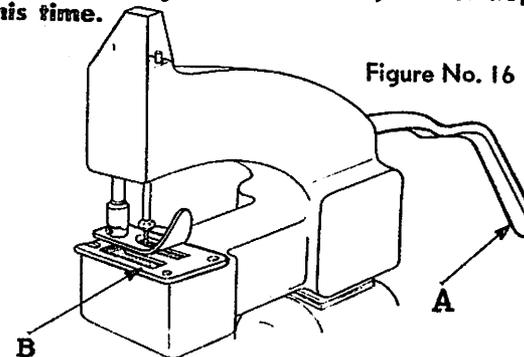


Figure No. 16

## MECHANICAL ADJUSTMENTS

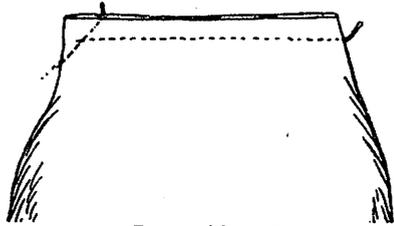


Figure No. 17

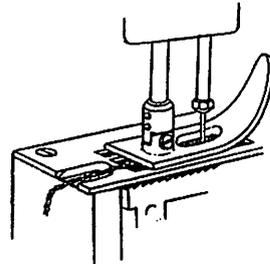


Figure No. 18

21. If the machine is not handled properly; or is out of time or any other adjustment, the thread may tangle around the looper. See Figure No. 19. As a result the machine won't feed and may chew up the bag. When this occurs, STOP the machine immediately. If you continue to run the machine in this condition, the thread will pile up around the looper and break it. If you think machine is not acting right, stop and look at the open end "A," Figure No. 19. It is not necessary to remove machine from bag to do this. If the stitch formation is perfect, it will look like Figure No. 20.

If the thread is tangled, first raise needle to high position by turning machine pulley in either direction by hand. Then, with a sharp knife, carefully cut the tangled threads away from looper, cleaning out all cuttings. Be careful not to nick or roughen looper. Next, lift presser foot by depressing lever "A," Figure No. 16, and remove machine from bag. Then re-thread and start to sew as explained in Paragraph No. 20.

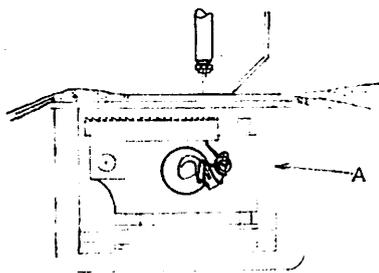


Figure No. 19

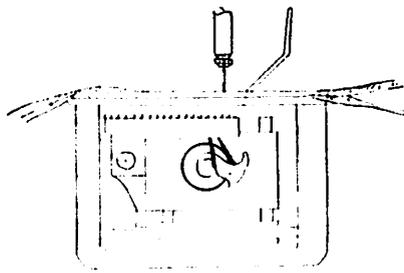


Figure No. 20

If water proofed bags are being used, be sure to lubricate thread according to the instructions in paragraph C, page 7.

22. The length of stitch is  $3\frac{1}{2}$  to the inch when, at their highest point, the teeth of the feed dog protrude  $\frac{3}{32}$  of an inch above the throat plate. If the stitches shorten up, check the following:
- A. Teeth on feed dog may be worn down. Feed dog must then be replaced.
  - B. Feed dog may have slipped down so that the teeth protrude less than  $\frac{3}{32}$ ". Merely raise feed dog by raising the adjusting screws, No. 1-203, located on the feed carrier block. Note that there is a set of locking screws, No. 1-203, on the under side of the carrier block.
23. If the machine stops chaining, check the following:
- A. The needle may be blunt, bent or dull. If so, change immediately.
  - B. Check the tension, if too tight or too loose, readjust per paragraph 9.
  - C. Next, remove throat plate which is part 1-280 and inspect the area on the under side surrounding the needle hole. If this is nicked or rough in any way, the machine will not chain. This part becomes damaged if the operator interferes with the feeding of the machine as it sews across the bag. Holding the machine back or pulling it in any way causes the needle to glance, thereby coming down and striking this area. If the damage isn't too great, this area can be smoothed out with fine emery or crocus cloth. However, if the hole gets too big, this part is unfit for further use and must be replaced with a new one.
  - D. Next, check the looper. This is part 1-132N. If this is nicked or roughened up or the point chipped off, it must be replaced. This part cannot be properly repaired unless the damage is very slight and a small amount of polishing will smooth it out.

- E. The machine may be excessively worn. Check this by trying to move needle bar and feed mechanism (1-104-2AL) side ways, up and down. If looseness is evident, the bushings and other parts must be replaced. If machine is badly worn, it should be completely rebuilt at factory (we have service machines available immediately at very nominal rental for use while yours is being repaired.) No sewing machine can operate properly if in a generally worn condition.
24. If the machine skips stitches or breaks thread while sewing, check the items under paragraph No. 23.
25. The following parts are subject to replacement and in order to avoid unnecessary loss of machine time, at least one of each should be carried on hand: 2-106 belt, 1-132N looper, N4 needles.
26. Needles will break only if they strike some other part of the machine such as the presser foot, throat plate, or looper. A hard piece of foreign matter in the bag can, of course, break the needle, but the most common causes of excessive needle breakage are the following:
- A. Incorrect installation. Be sure that the needles are being installed according to the directions in paragraph 11, page 7.
  - B. **Interfering with the feeding of the machine as it sews across the bag.** If the operator pulls or holds the machine back while it is sewing, there is a strain put on the needle causing it to glance and strike presser foot, throat plate, or looper. Always permit the machine to travel at its own speed.

## MOTOR INSTRUCTIONS

27. This motor is intermittent duty, which means that it should not run for long periods of time continuously. It is made for start and stop operations only, such as required by bag closing.

**Brushes should be inspected at regular intervals so that wear can be detected, and replaced before they are about 1/8" in length.** To remove brushes, take out two screws from each side of motor; when replacing brush, be sure it is replaced at the same axial position as removed. If it isn't, excessive sparking and loss of power will result. New brushes are furnished with machine and can be purchased from us at any time.

No motor will operate properly unless the bearings are kept well lubricated. Ball bearings are packed with grease sufficient for a period of from one to two years, depending on the service given the motor and temperature of the room in which it operates. To refill, remove the end caps covering the bearings and clean out the old grease before putting in the new. If the ball bearings are removed for washing in gasoline, the built-in grease seal should be facing toward the motor interior when replaced. Use only well known make of SODIUM BASE BALL BEARING GREASE.

## **DO'S**

- 28. A. Oil machine according to Paragraph No. 5.
- B. Clean machine according to Paragraph No. 7.
- C. Hold machine above contents of bag when sewing.
- D. Start to close new bag on side opposite seam. If closing used burlap bag, start on seam side with seam inch or two in from side.
- E. Lubricate thread if bags are treated

## **DON'TS**

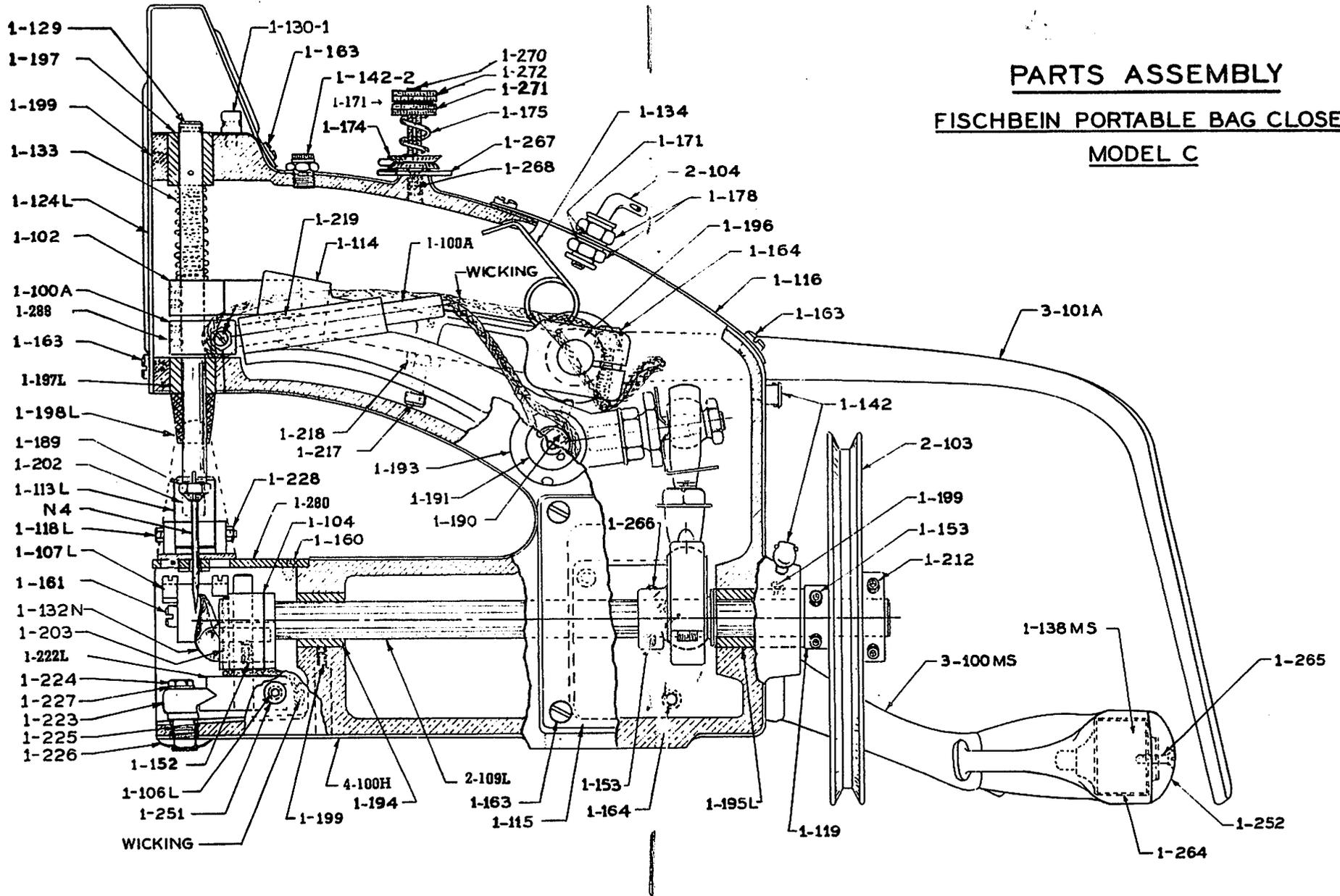
- 29. A. At no time lift presser foot if machine is sewing and chaining properly.
- B. Don't lift presser foot to start closing bag if machine is sewing and chaining properly.
- C. Machine feeds automatically. Don't pull or hold it back as it feeds across the bag.
- D. Don't try to operate machine with bent or blunt needle.
- E. Don't run machine if thread is tangled around looper.
- F. Don't disturb feed eccentric, part 1-121L plate 2, located inside machine. It is timed and set at factory.

## **PARTS LIST**

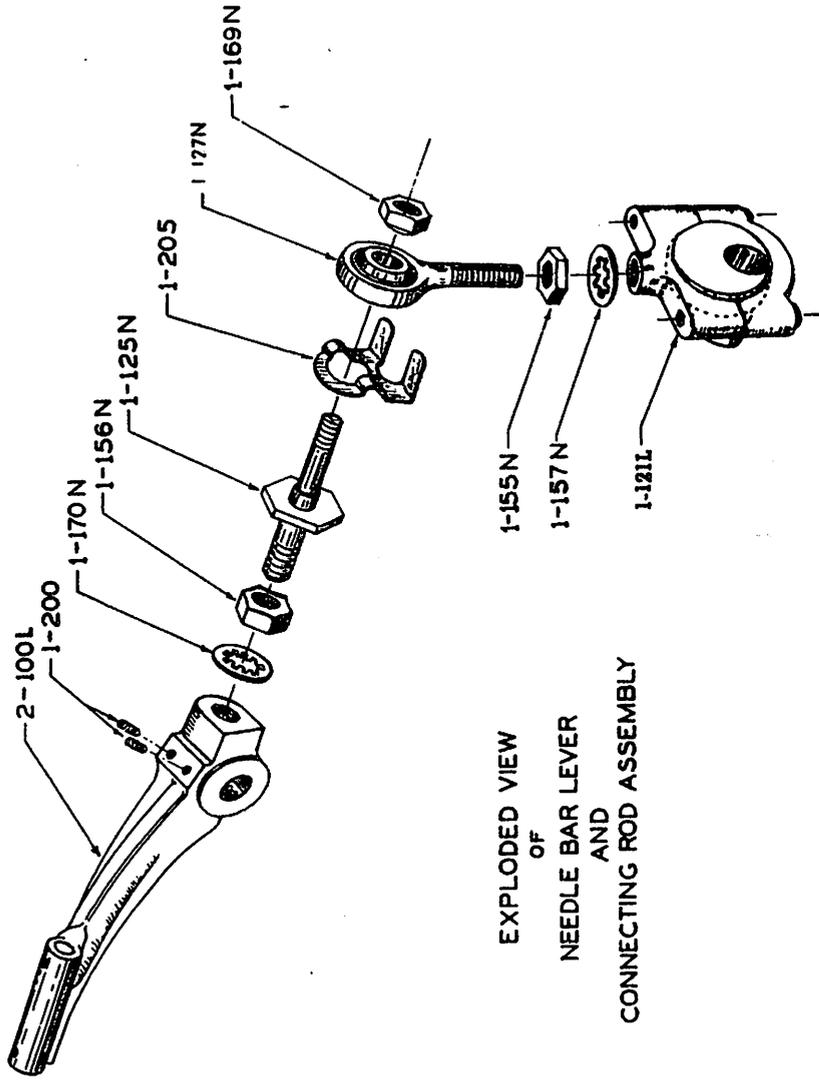
**PLEASE ORDER BY NUMBER AND  
INCLUDE SERIAL NUMBER OF  
YOUR MACHINE.**

PLATE A

**PARTS ASSEMBLY**  
**FISCHBEIN PORTABLE BAG CLOSER**  
**MODEL C**

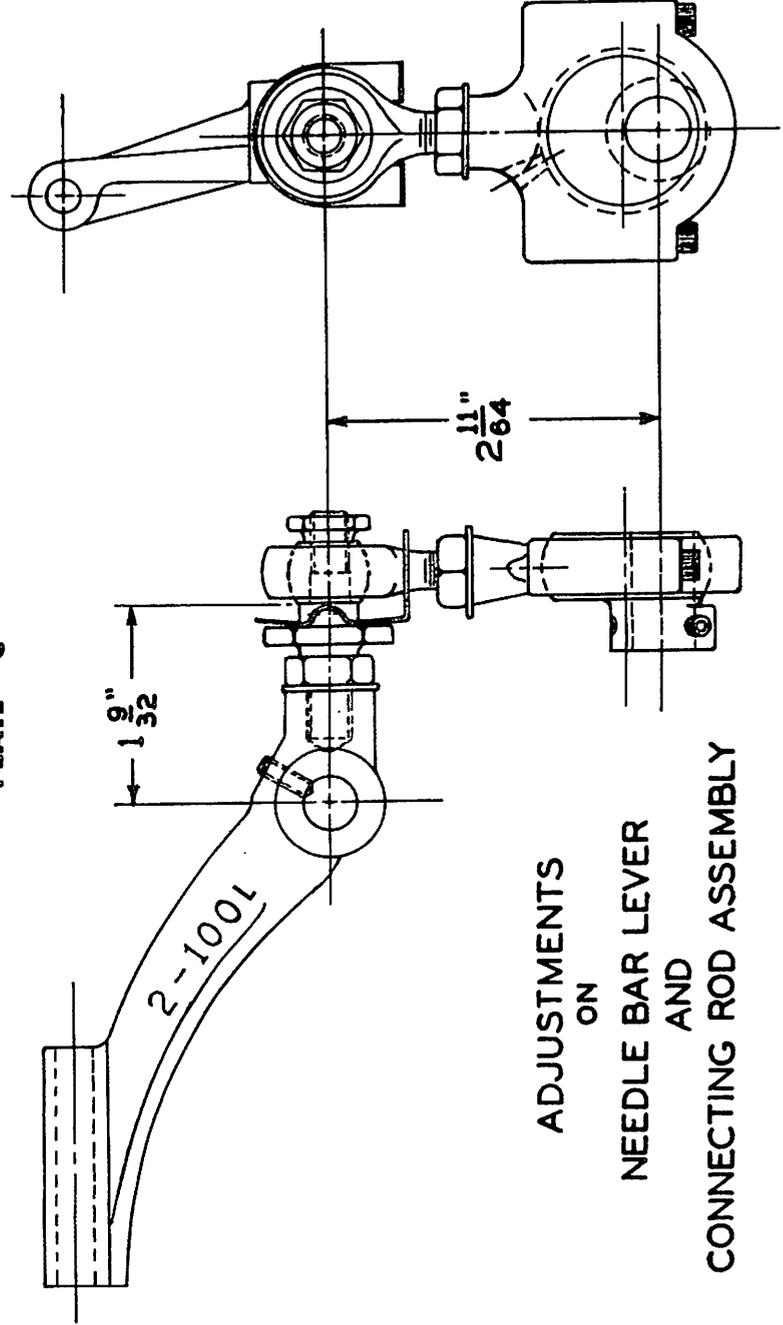


**PLATE B**



EXPLODED VIEW  
OF  
NEEDLE BAR LEVER  
AND  
CONNECTING ROD ASSEMBLY

**PLATE C**

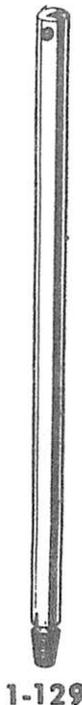
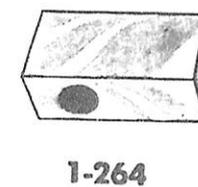
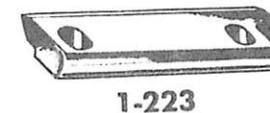
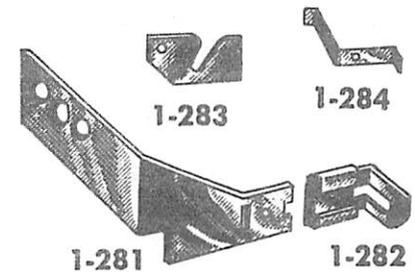
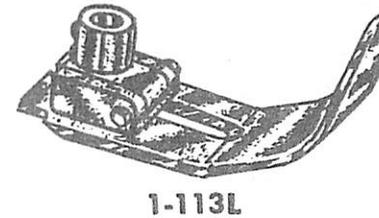
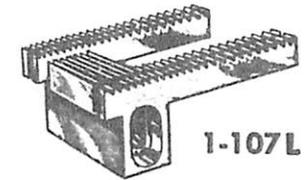
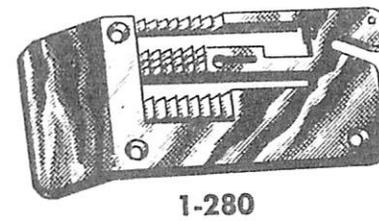


ADJUSTMENTS  
ON  
NEEDLE BAR LEVER  
AND  
CONNECTING ROD ASSEMBLY

**PLATE 1**

**ORDER BY NUMBER**

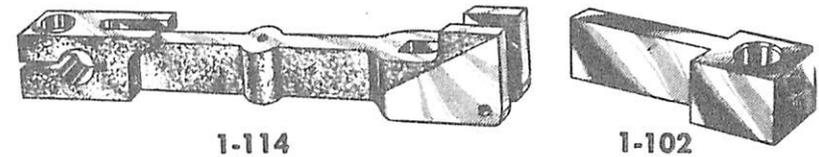
PART No.	DESCRIPTION
N-4	Needle (Minimum Order: 2 Dozen)
1-104-2AL	Feed Dog Carrier Block and Slide—Complete
1-107L	Feed Dog
1-113L	Pressure Foot
1-129	Needle Bar
1-138MS	Switch (For DC order 1-138MS-DC)
1-132N	Looper
1-223	Adjusting Slide Block
1-264	Switch Insulation
1-280	Throat Plate
1-281	Blade Support Bracket
1-282	Blade (Moving)
1-283	Blade (Stationary)
1-284	Spring Support
1-285	Screw for 1-281
1-286	Screw for 1-283 and 1-284
1-287	Lock Washer for 1-286



**PLATE 2**

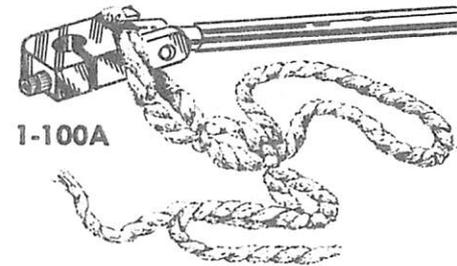
**ORDER BY NUMBER**

PART No.	DESCRIPTION
1-100A	Needle Bar Clamp Assembly Complete
1-102	Presser Bar Guide Block
1-106L	Feed Dog Carrier Slide Stud
1-114	Inner Presser Foot Lifter
1-121L	Connecting Rod Strap with Eccentric Lapped in.
1-125N	Connecting Rod End Stud
1-127N	Connecting Rod Bearing, Upper
1-190	Needle Bar Lever Stud
1-191	Front and Rear Cone Bearing
1-193	Lock Nut for 1-191
1-205	Spring
2-100L	Needle Bar Lever



1-114

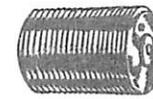
1-102



1-100A



1-190



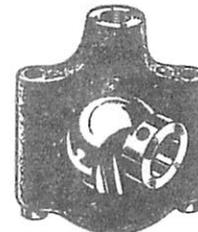
1-191



1-193



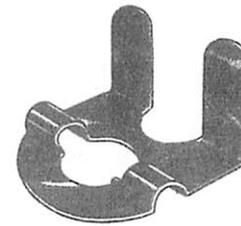
1-106L



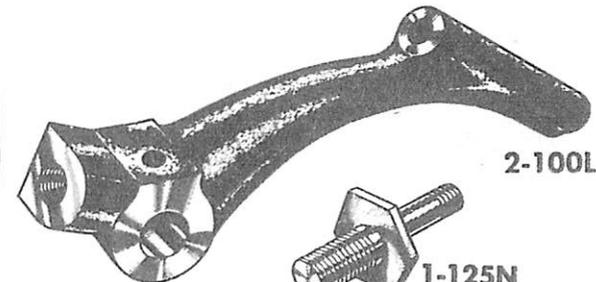
1-121L



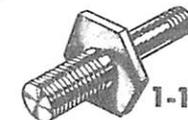
1-127N



1-205



2-100L

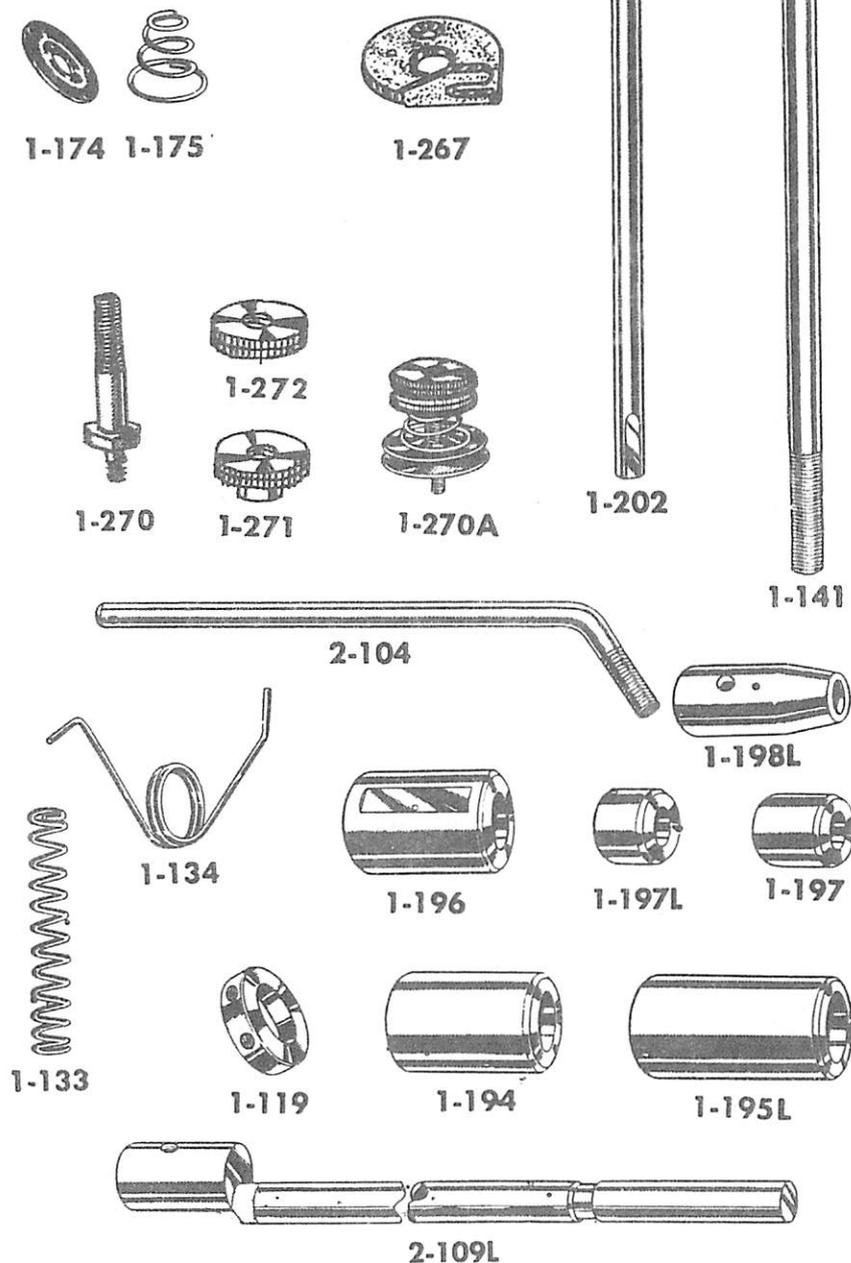


1-125N

ORDER BY NUMBER

PLATE 3

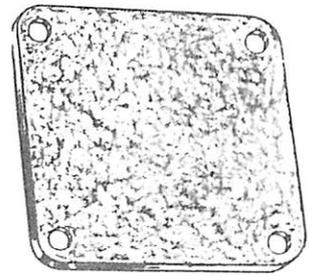
PART No.	DESCRIPTION
1-119	Main Shaft Retaining Collar
1-133	Presser Bar Spring
1-134	Spring for 1-114
1-141	Thread Clamping Rod
1-174	Tension Disc
1-175	Tension Spring
1-194	Front Main Shaft Bushing
1-195L	Rear Main Shaft Bushing
1-196	Bushing for 1-110
1-197	Upper Bushing for Presser Bar and Needle Bar
1-197L	Lower Bushing for Needle Bar
1-198L	Lower Bushing for Presser Bar
1-202	Presser Bar
1-267	Thread Guide Base
1-270A	Tension Assembly Complete
1-270	Tension Stud
1-271	Tension Nut, Lower
1-272	Tension Nut, Upper
2-104	Thread Guide Rod
2-109L	Main Shaft



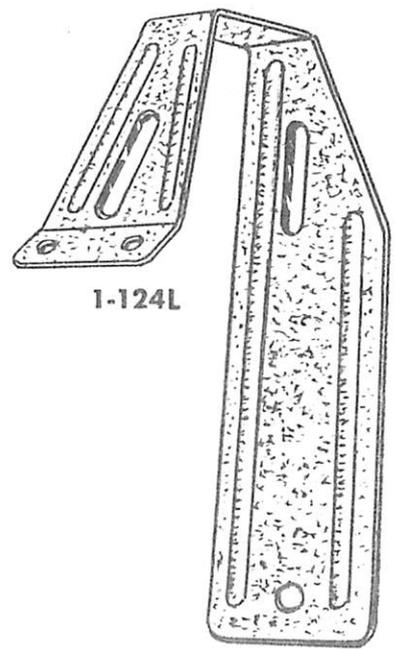
**PLATE 4**

**ORDER BY NUMBER**

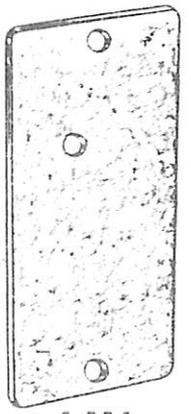
PART No.	DESCRIPTION
1-115	Side Cover
1-116	Top Cover
1-124L	Cover Guard
1-128	Motor Pulley
2-103	Machine Pulley
2-105L	Motor Mount Hinge Complete (Including Two 1-269 Screws)
2-106	Belt



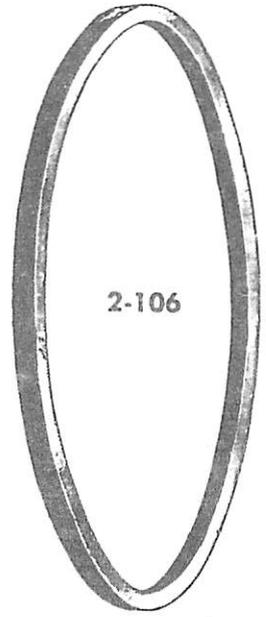
1-115



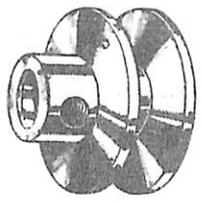
1-124L



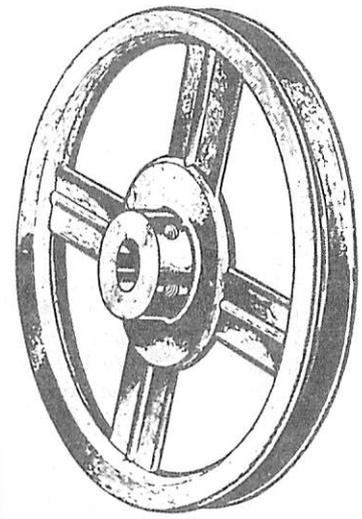
1-116



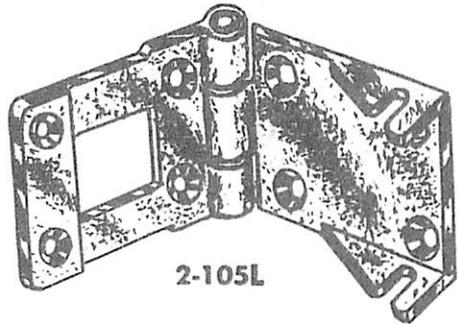
2-106



1-128



2-103



2-105L

**ORDER BY NUMBER**

**PLATE 5**

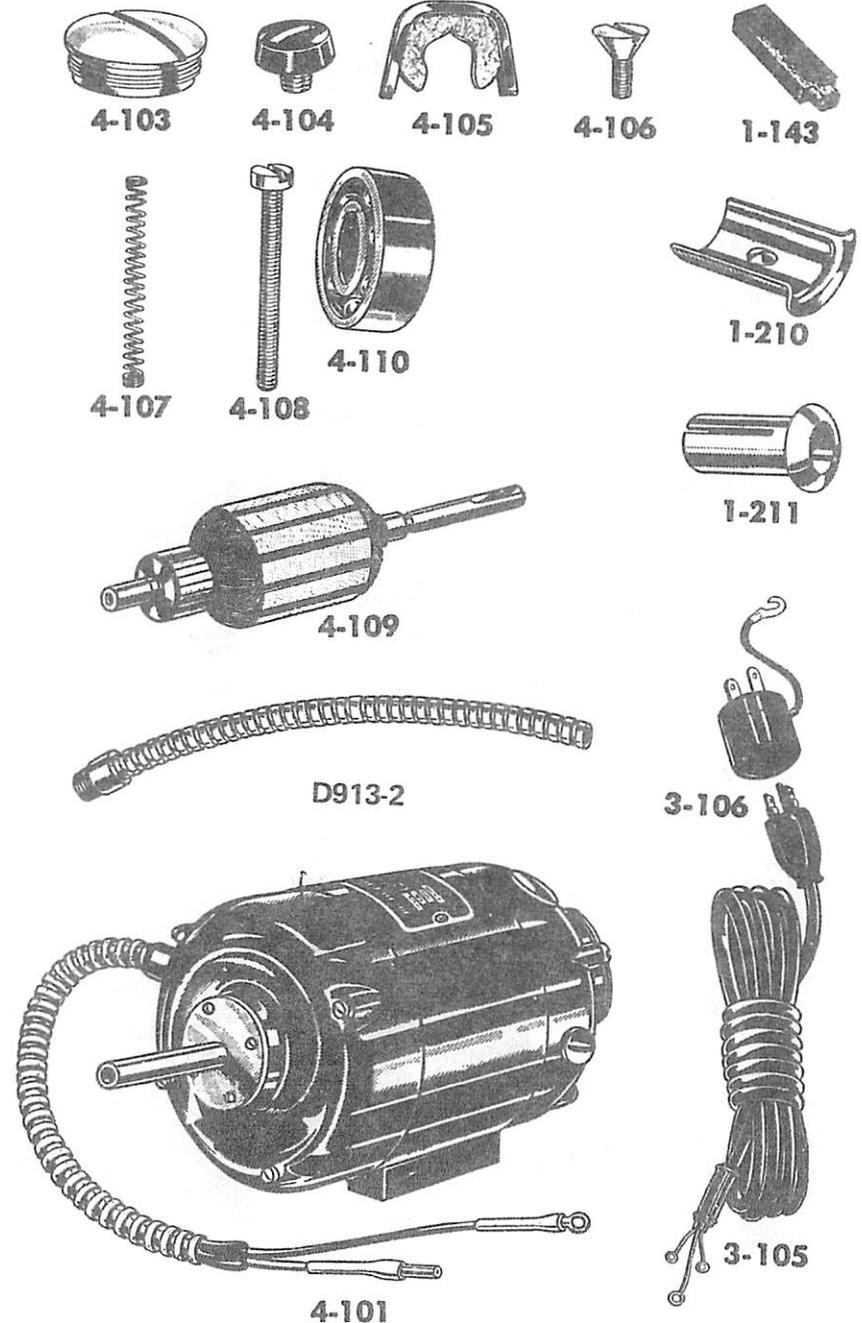
PART No.	DESCRIPTION
1-118L	Hinging Bolt for 1-113L
1-130-1	Pull Off Eyelet
1-142	Oiler
1-142-1	Oiler
1-142-2	Oiler
1-152	Set Screw for 1-132N
1-153	Screw for 1-102, 1-121L, 1-119
1-154	Screw for 1-128
1-155N	Lock Nut for 1-127N
1-156N	Lock Nut for 1-125N
1-157N	Lock Washer for 1-127N
1-160	Screw for 1-280
1-161	Screw for 1-107L
1-163	Screw for all Covers
1-164	Screw for 3-100MS, 1-114
1-165	Screw for 2-105L
1-167	Wing Nut for 1-141
1-169N	Locking Spacer for 1-125N
1-170N	Lock Washer for 1-125N
1-171	Lock Washer for 1-178, 1-272
1-178	Locking Nut for 2-104
1-189	Needle Lock Nut
1-199	Screw for 1-113L, 1-194, 1-195L, 1-196, 1-197, 1-197L, 1-198L
1-200	Screw for 2-100L
1-203	Adjusting Screw for 1-107L
1-212	Screw for 2-103
1-217	Adjusting Screw for 1-114
1-218	Nut for 1-217
1-219	Lifter Screw for 1-114
1-220	Nut for 1-219
1-221	Screw for 1-210, D913-2
1-224	Lock Bolt
1-225	Slide Block Supporting Nut
1-226	Lock Ring
1-227	Washer for 1-224
1-228	Nut for 1-118L
1-251	Lock Bolt for 1-106L
1-265	Screw for 1-252
1-266	Spot Screw for 1-121L
1-268	Screw for 1-267
1-269	Hinge Locking Screw
1-278	Looper Guard Screw
1-288	Clamp Screw for 1-100A



**ORDER BY NUMBER**

PART No.	DESCRIPTION
1-143	Motor Brush
1-210	Clamp for 3-105
1-211	Clamp for 4-111
3-105	Cord Set
3-106	Adapter for 3-105
4-101	Motor (115 Volt)
4-101A	Motor (230 Volt)
4-103	Motor End Shield Plug
4-104	Motor Brush Holder Cap Screw
4-105	Motor Cord Grip
4-106	Motor End Plate Screw
4-107	Motor Brush Spring
4-108	Motor End Bracket Screw
4-109	Armature (115 Volt)
4-109A	Armature (230 Volt)
4-110	Motor Bearing
D913-2	BX Motor Lead

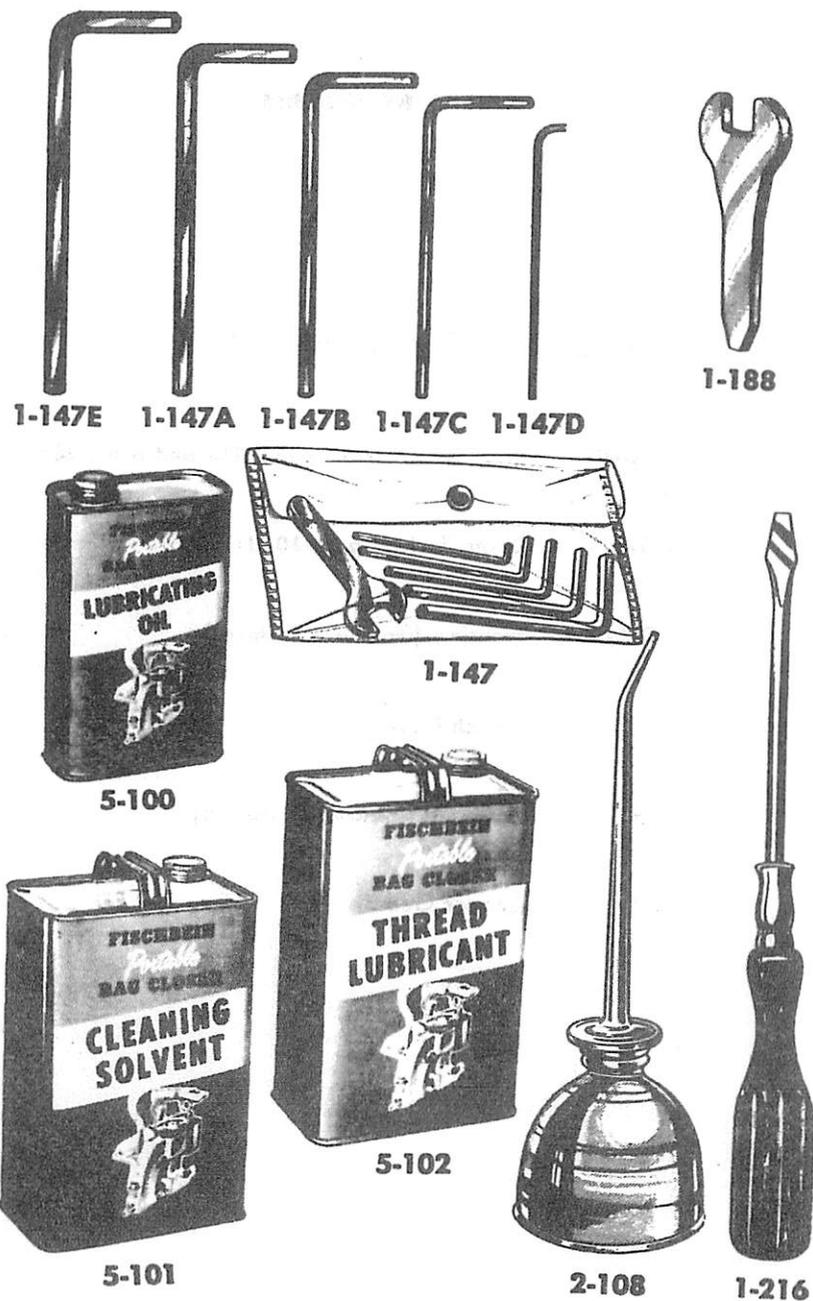
**PLATE 6**



**ORDER BY NUMBER**

PART No.	DESCRIPTION
1-147	Complete Set of Wrenches, 1-147A, 1-147B, 1-147C, 1-147E, and 1-188
1-147A	Wrench for 1-165, 1-217
1-147B	Wrench for 1-153, 1-154, 1-212, 1-251
1-147C	Wrench for 1-152, 1-199, 1-200, 1-221
1-147D	Wrench for 1-203 Screw
1-147E	Wrench for 1-164
1-188	Wrench for Needle Lock Nut (1-189)
1-216	Screw Driver
2-108	Oil Can
5-100	One Quart Lubricating Oil
5-101	One Gallon Cleaning Solvent
5-102	One Gallon Thread Lubricant

**PLATE 7**



**ORDER BY NUMBER**

PART No.	DESCRIPTION
3-100MS	Handle Complete with 1-252 and two 1-265
3-101A	Lever, including 1-110, 1-173
4-100H	Housing (including Bushings)
1-252	Switch Cover
1-400	Belt Guard (Including Screws)
1-229	Looper Guard

**PLATE 8**

