

35 TYPING UNIT

LUBRICATION

CONTENTS	PAGE	CONTENTS	PAGE
1. GENERAL	1	3. VARIABLE FEATURES	34
2. BASIC UNIT	5	Form feed-out mechanism	38
Carriage return mechanism	21	Horizontal tabulator bail extension arm	37
Code Bar detents	8	Horizontal tabulator blocking lever	35
Code bar mechanism (front view)	7	Horizontal tabulator intermediate bail	36
Code bar mechanism (right view)	15	Horizontal tabulator latch bail	36
Function rocker shaft mechanism	18	Horizontal tabulator operating lever (left view)	35
Horizontal positioning drive mechanism	24	Horizontal tabulator operating lever (right view)	36
Horizontal positioning mechanism	21-23	Horizontal tabulator slide arm	35
Line feed mechanism (friction feed)	30	Keyboard lock mechanism	41
Line feed mechanism (sprocket feed)	33	Local backspace mechanism	40
Main shaft (clutches, gears, etc.)	26, 27	Low paper and paper-out alarm mechanism (sprocket feed)	41
Oscillating mechanism (left side)	25	Paper-out alarm mechanism (friction feed)	40
Oscillating mechanism (right side)	25	Spacing cut-out transfer bail	37
Paper feed mechanism (friction feed)	9	Vertical tabulator and transmitter distributor control mechanism	37
Printing mechanism	5, 6	Vertical tabulator mechanism (for switched network service)	39
Print suppression mechanism	8		
Ribbon feed mechanism (left side)	10	1. GENERAL	
Ribbon feed mechanism (right side)	13	1.01 This section is reissued to include recent engineering information and to add late 35 equipment. Changes and additions are indi- cated by arrows placed in the margins.	
Ribbon reverse mechanism	18	1.02 The 35 Typing Unit should be lubricated as directed in this section. The figures indicate points to be lubricated and the kind and quantity of lubricant to be used. Figures 1 and 2 illustrate the general areas of lubrication on the friction feed unit and Figure 3 shows the lubrication areas on the sprocket feed unit. Lu- bricate the typing unit just prior to placing it in service. After a few weeks in service, re- lubricate to make certain that all points receive lubrication. Thereafter, the typing unit should be lubricated at 1500 hour intervals or every six months, whichever occurs first.	
Selector cam-clutch assembly	27		
Selector mechanism	15, 16		
Shift mechanism	24		
Shift selector mechanism	29		
Single-double line feed mechanism	31		
Spacing drum feed mechanism	21		
Spacing drum mechanism	20		
Spacing mechanism	28		
Sprocket-feed paper mechanism	33		
Stripper blade mechanism	17		
Stunt box mechanism	17		
Track guide mechanism	21		
Type box carriage mechanism	6		
Vertical positioning mechanism (left side)	11		
Vertical positioning mechanism (right side)	14		

1.03 Use KS7470 oil at all locations where the use of oil is indicated. Use KS7471 grease on all surfaces where grease is indicated.

1.04 All spring wicks and felt oilers should be saturated. The friction surfaces of all moving parts should be thoroughly lubricated. Over-lubrication, however, which will permit oil or grease to drip or be thrown on other parts, should be avoided. Special care must be taken to prevent any oil or grease from getting between the selector armature and its magnetic pole faces. Keep all electrical contacts free of oil and grease.

1.05 Apply a thick film of grease to all gears and the spacing clutch reset cam plate.

1.06 Apply oil to all cams, including the camming surfaces of each clutch disk.

1.07 The photographs show the paragraph numbers referring to particular line drawings of mechanisms and where these mechanisms are located on the unit. Parts in the line drawings are shown in an upright position unless

otherwise specified. Reference to left or right, up or down, front or rear, etc., apply to the unit in its normal operating position as viewed from the operator's position in front of the unit.

1.08 The illustration symbols indicate the following lubrication directions:

- 0 Apply 1 drop of oil.
- 02 Apply 2 drops of oil.
- 03 Apply 3 drops of oil.
- 020 Apply 20 drops of oil, etc.
- G Apply thin film of grease.
- SAT Saturate (felt oilers, washer, wicks) with oil.

Note: During each lubrication period, check the following adjustments:

1. PRINTING CARRIAGE POSITION.
2. PRINTING HAMMER BEARING STUD.
3. PRINTING HAMMER STOP BRACKET. (Also see note after PRINTING ARM adjustment.)
4. LOWER DRAW WIRE ROPE.
5. DASHPOT VENT SCREW. (Check Dashpot Transfer Slide for freeness.)

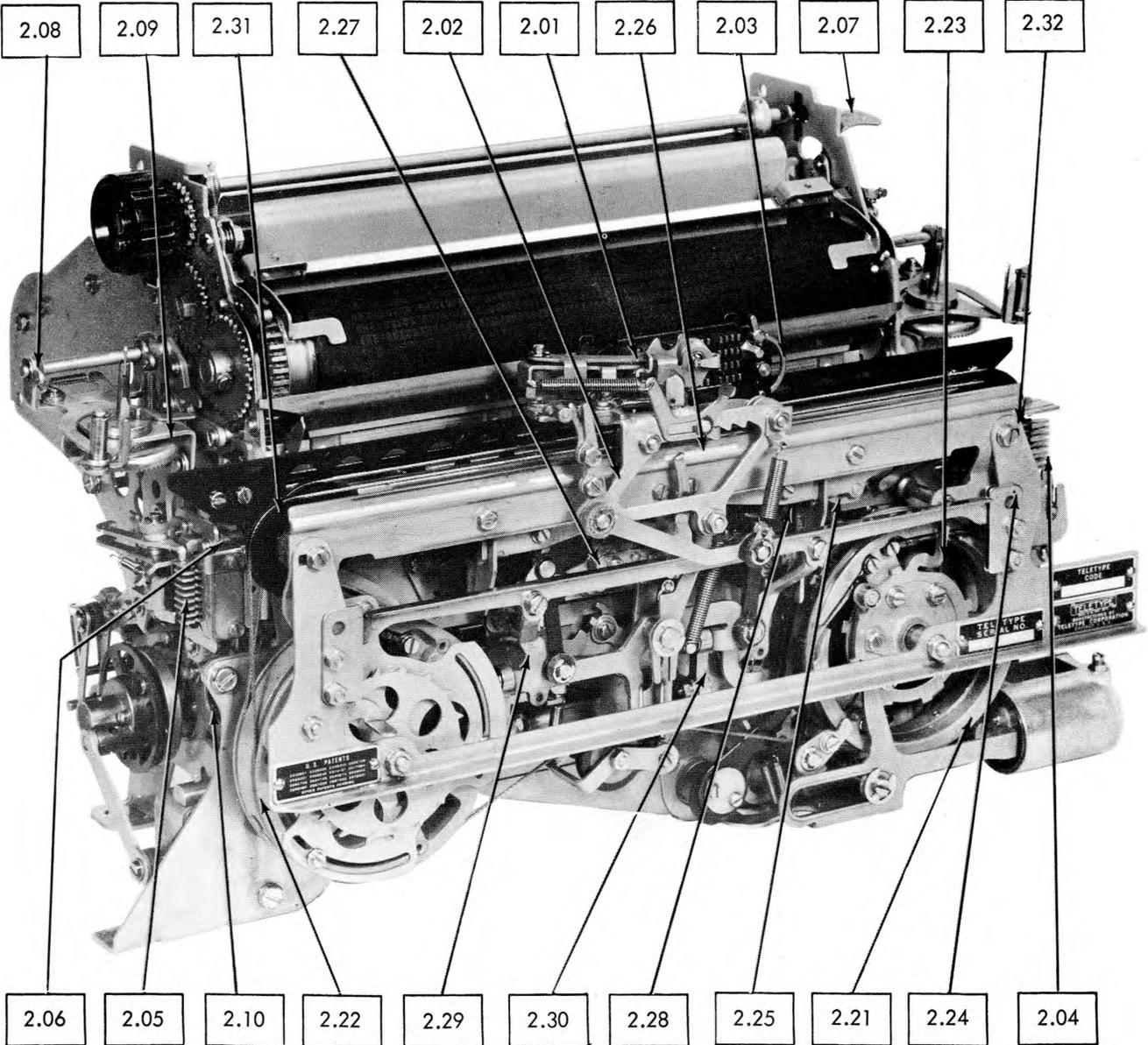


Figure 1 - 35 Typing Unit (Friction Feed), Left Front View

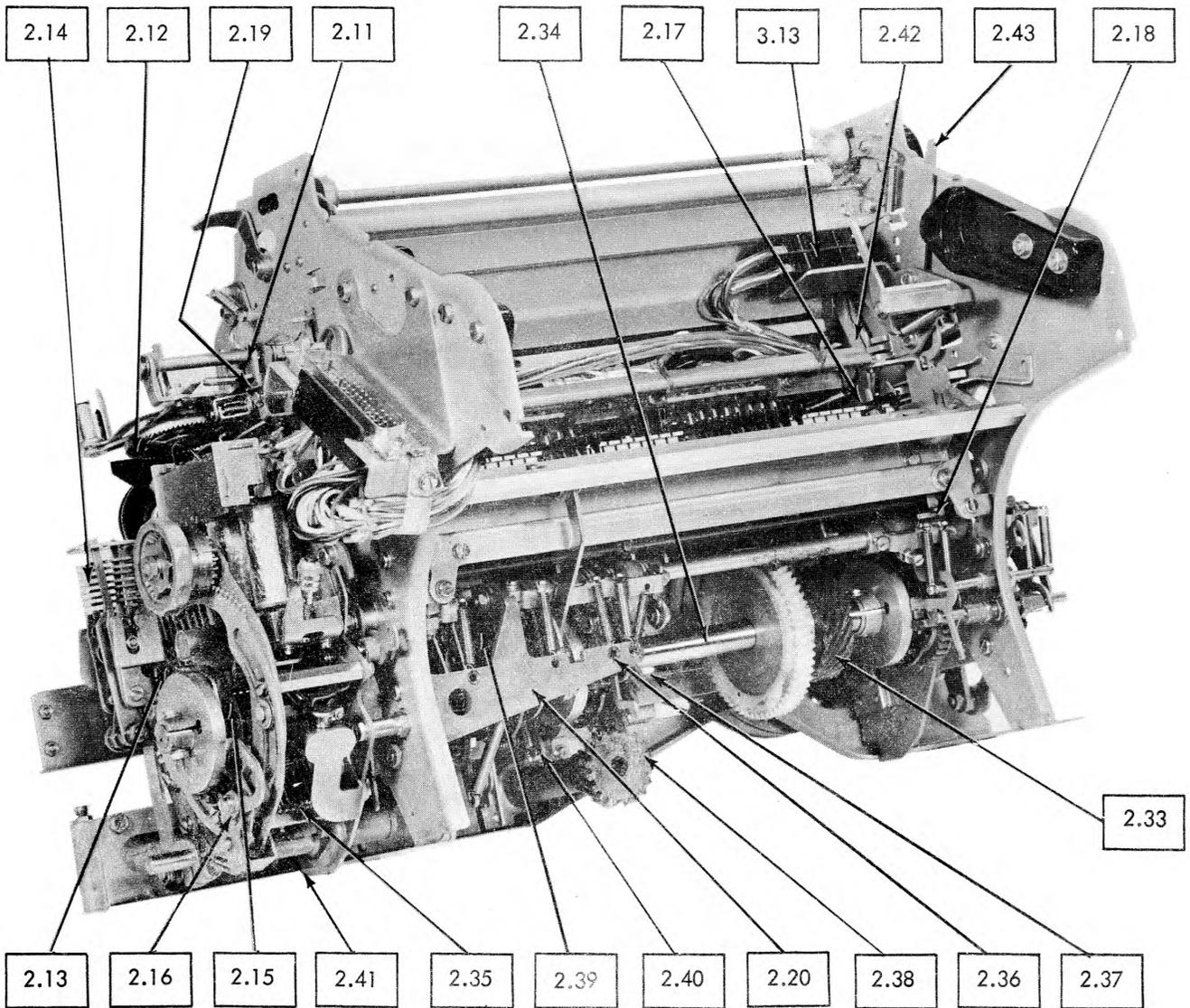
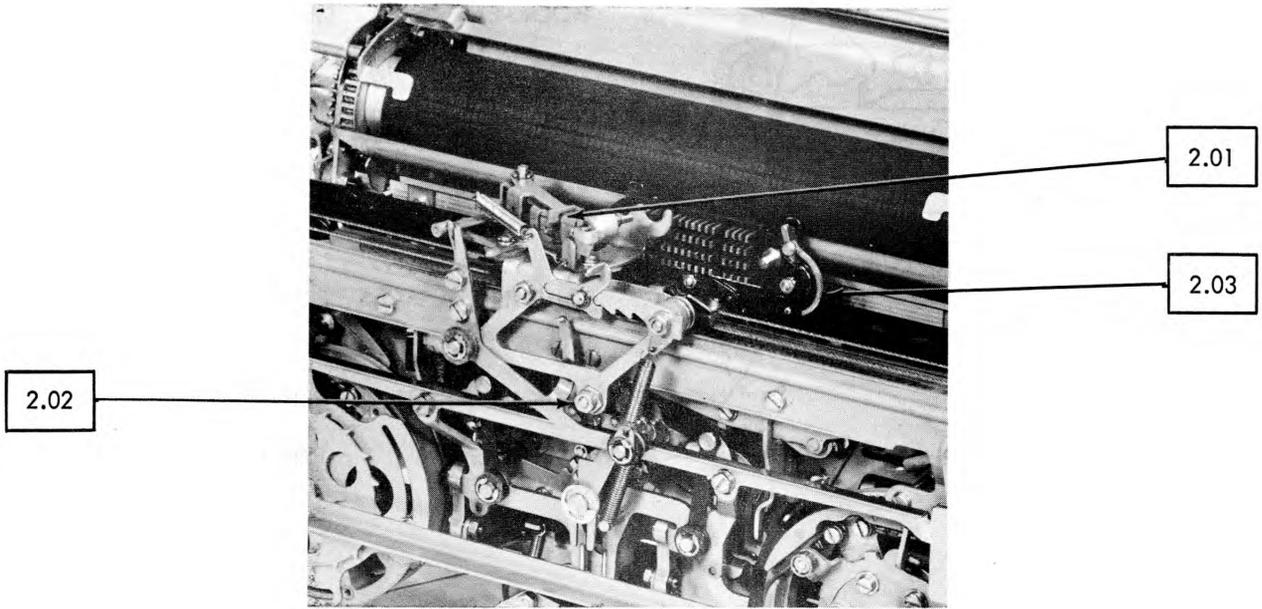


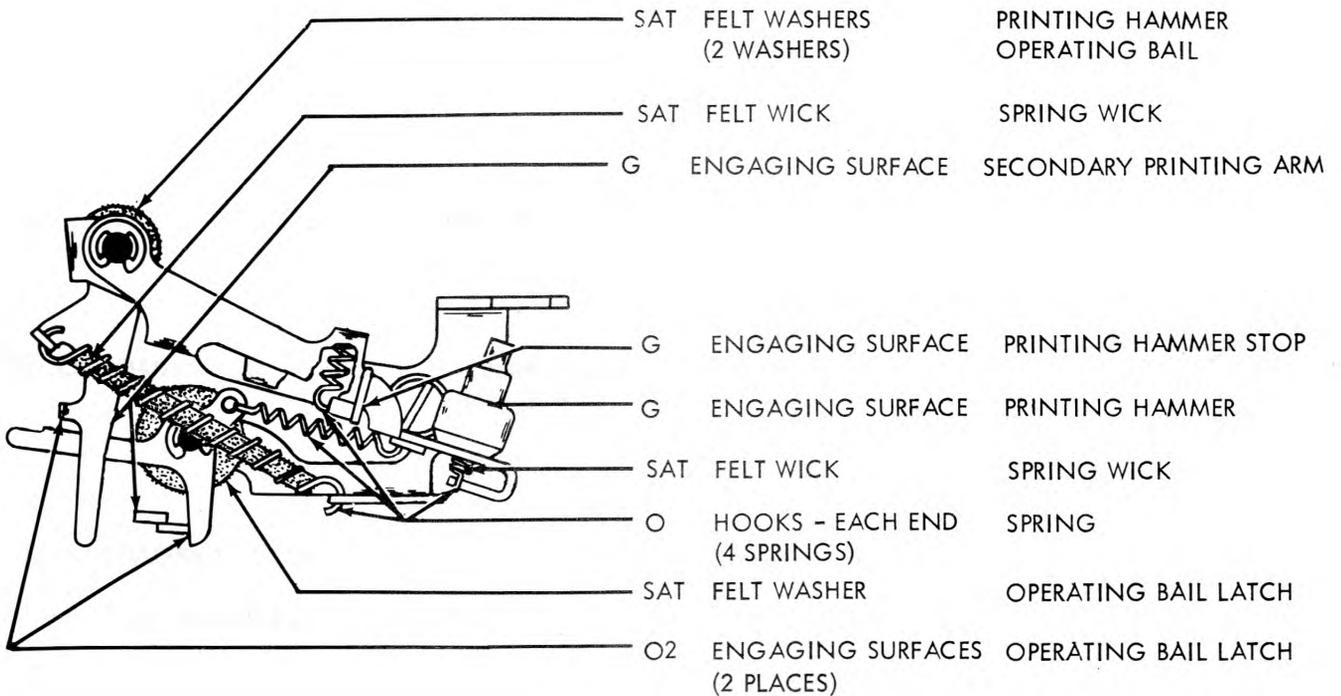
Figure 2 - 35 Typing Unit (Friction Feed), Right Rear View

2. BASIC UNIT

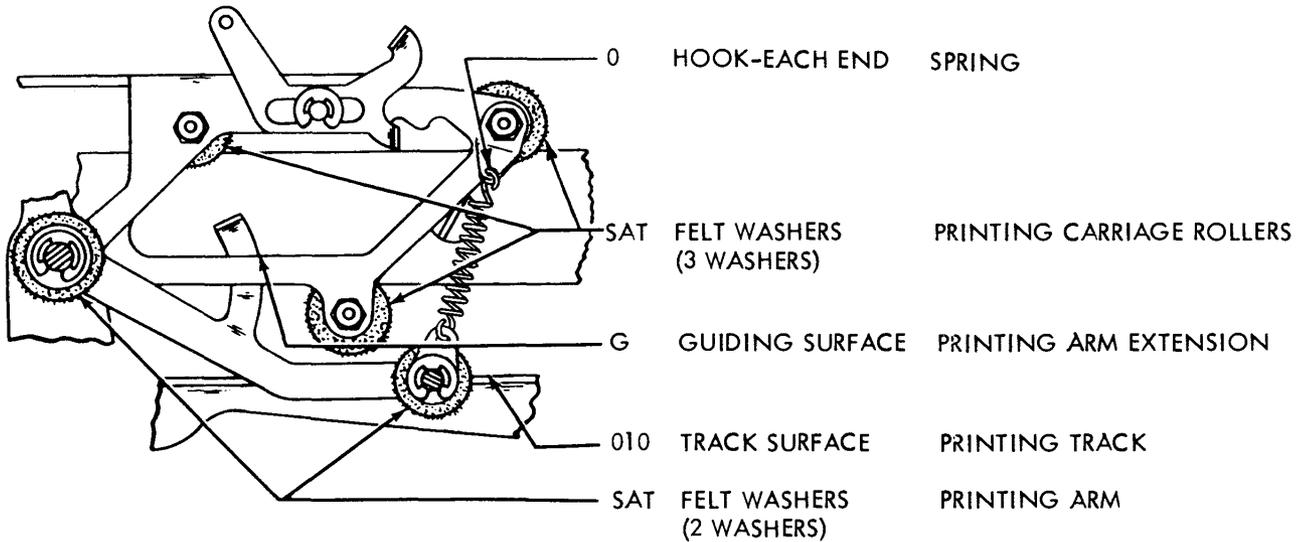


(FRONT VIEW)

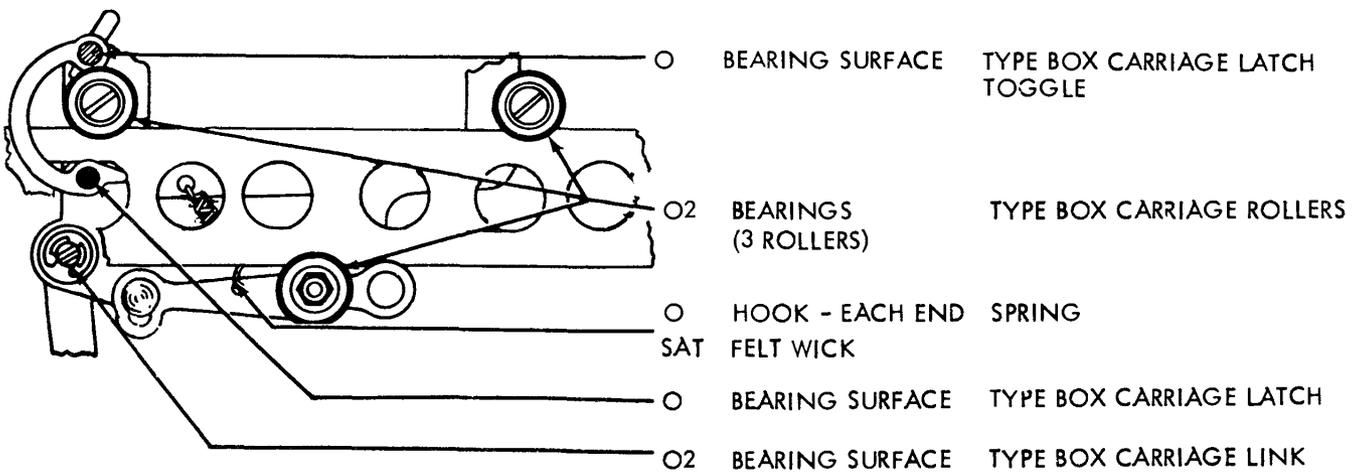
2.01 Printing Mechanism



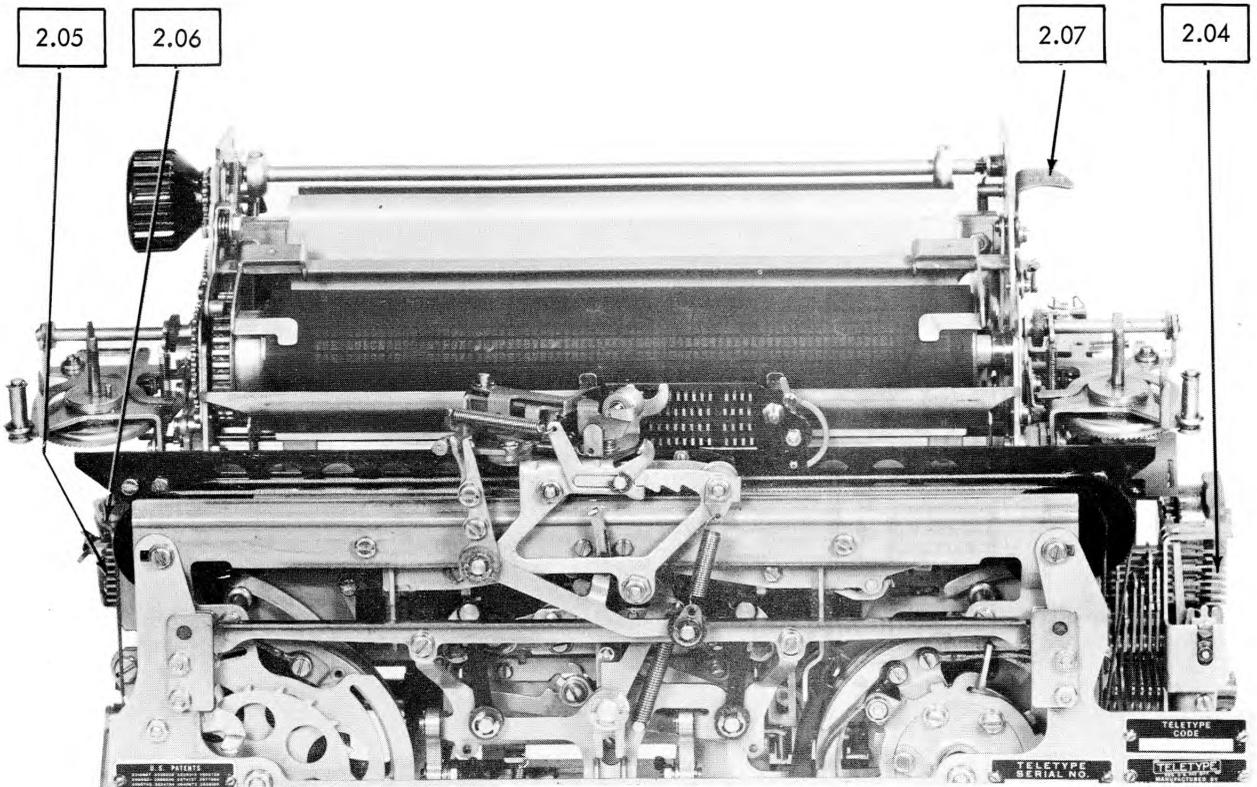
2.02 Printing Mechanism continued



2.03 Type Box Carriage Mechanism

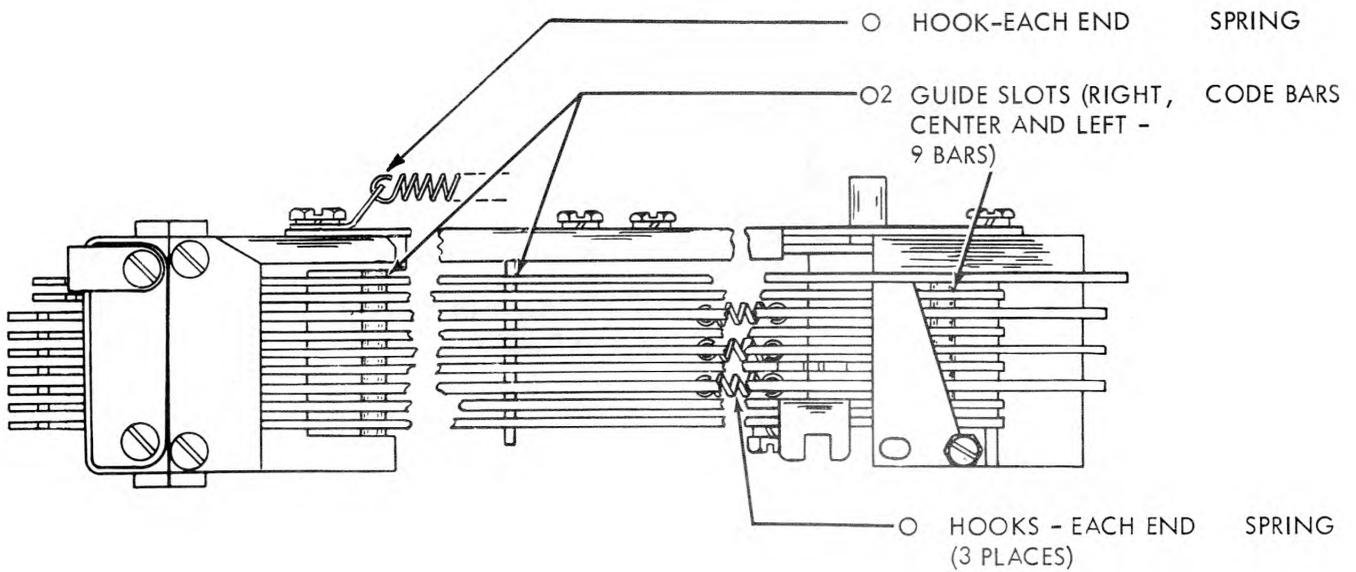


(REAR VIEW)

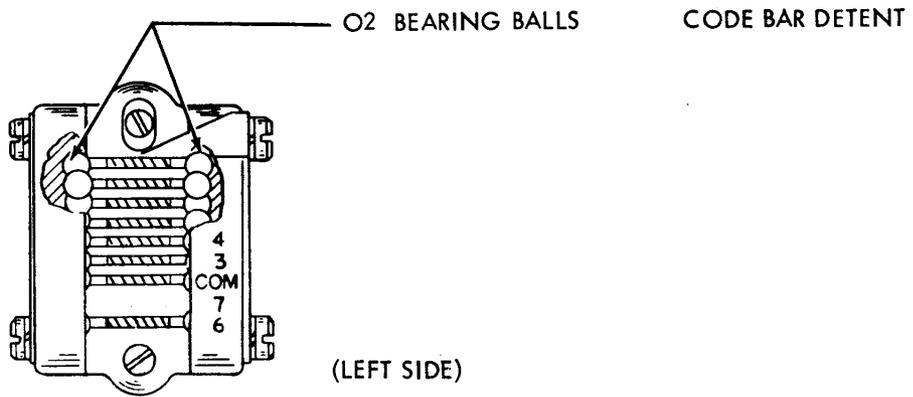


(FRONT VIEW)

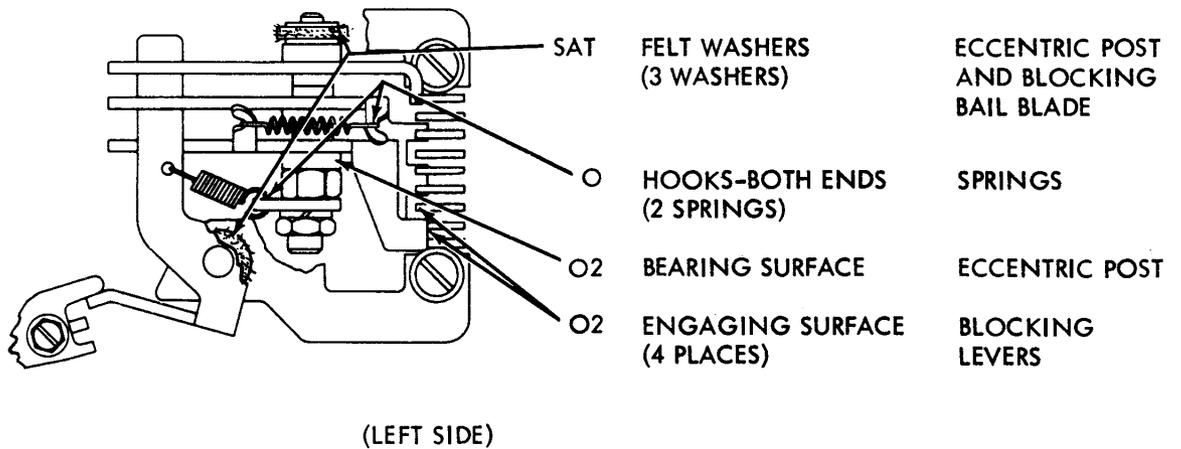
2.04 Code Bar Mechanism



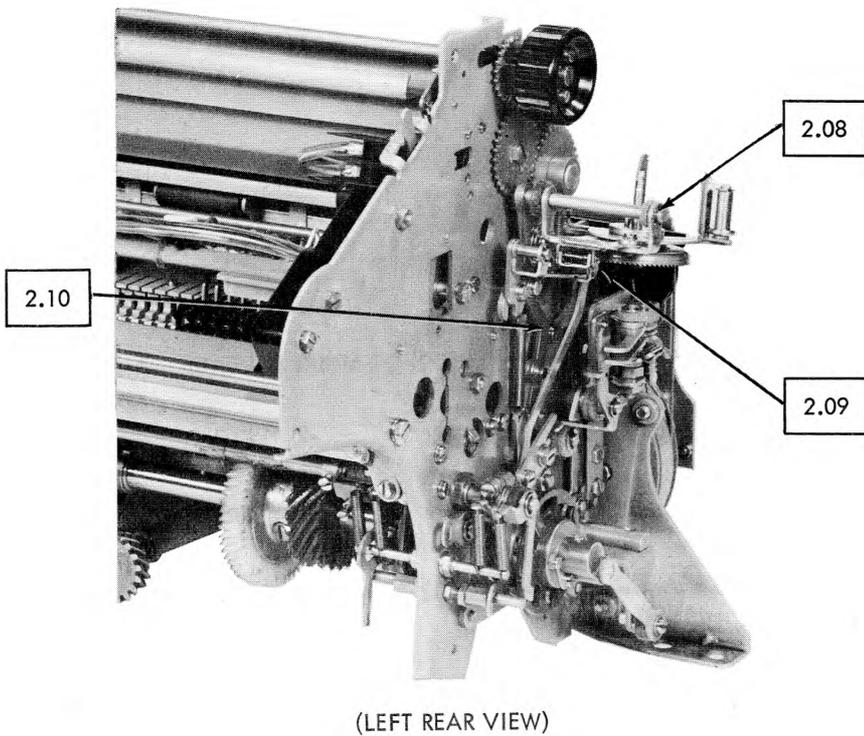
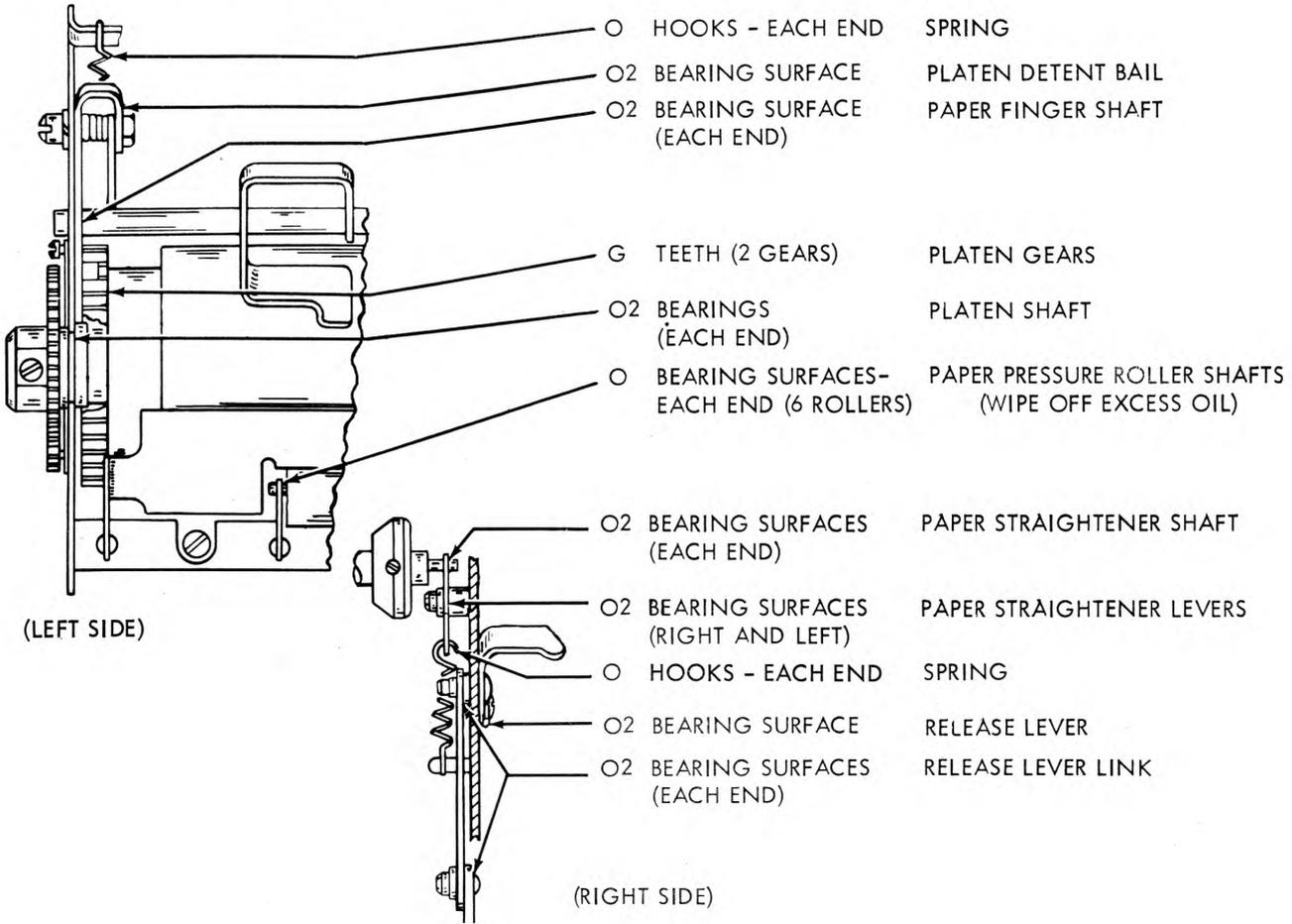
2.05 Code Bar Detents



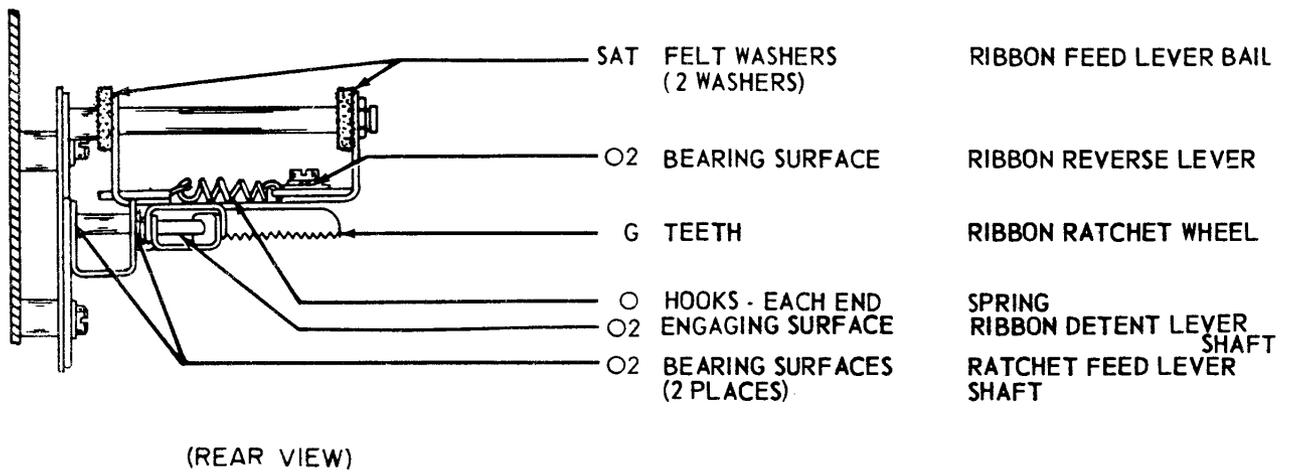
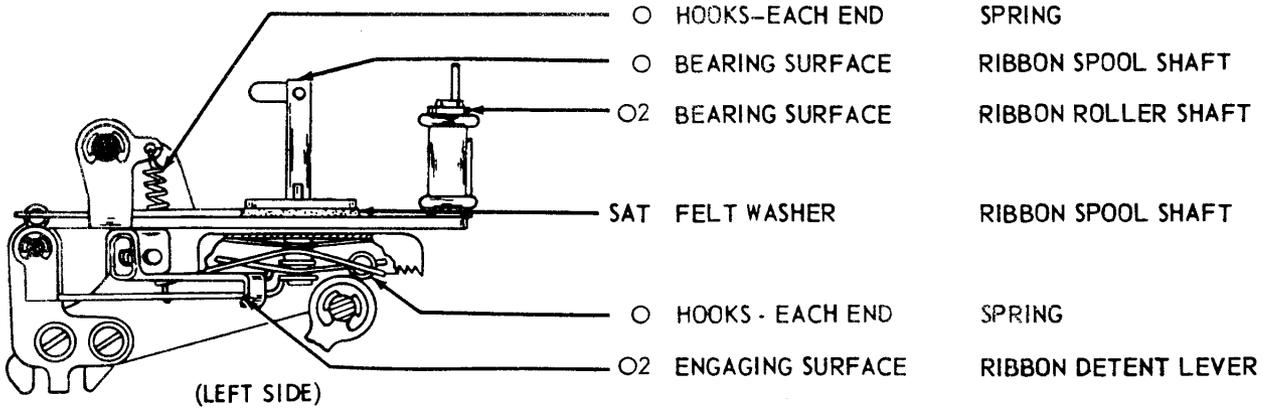
2.06 Print Suppression Mechanism



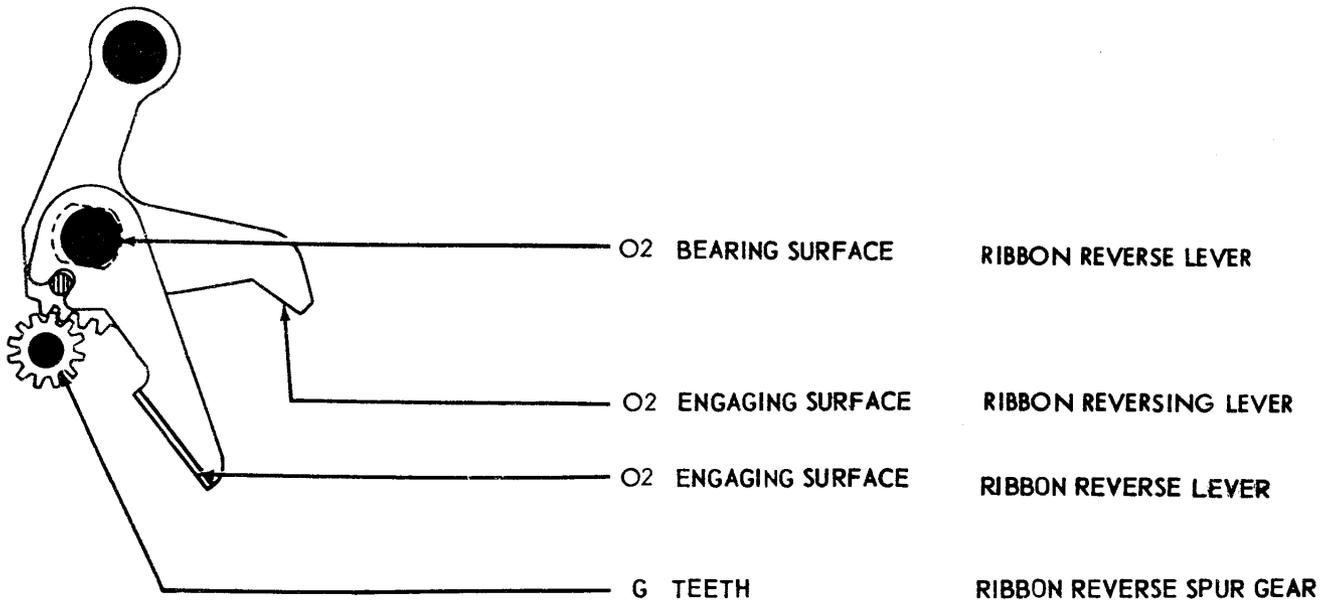
2.07 Paper Feed Mechanism



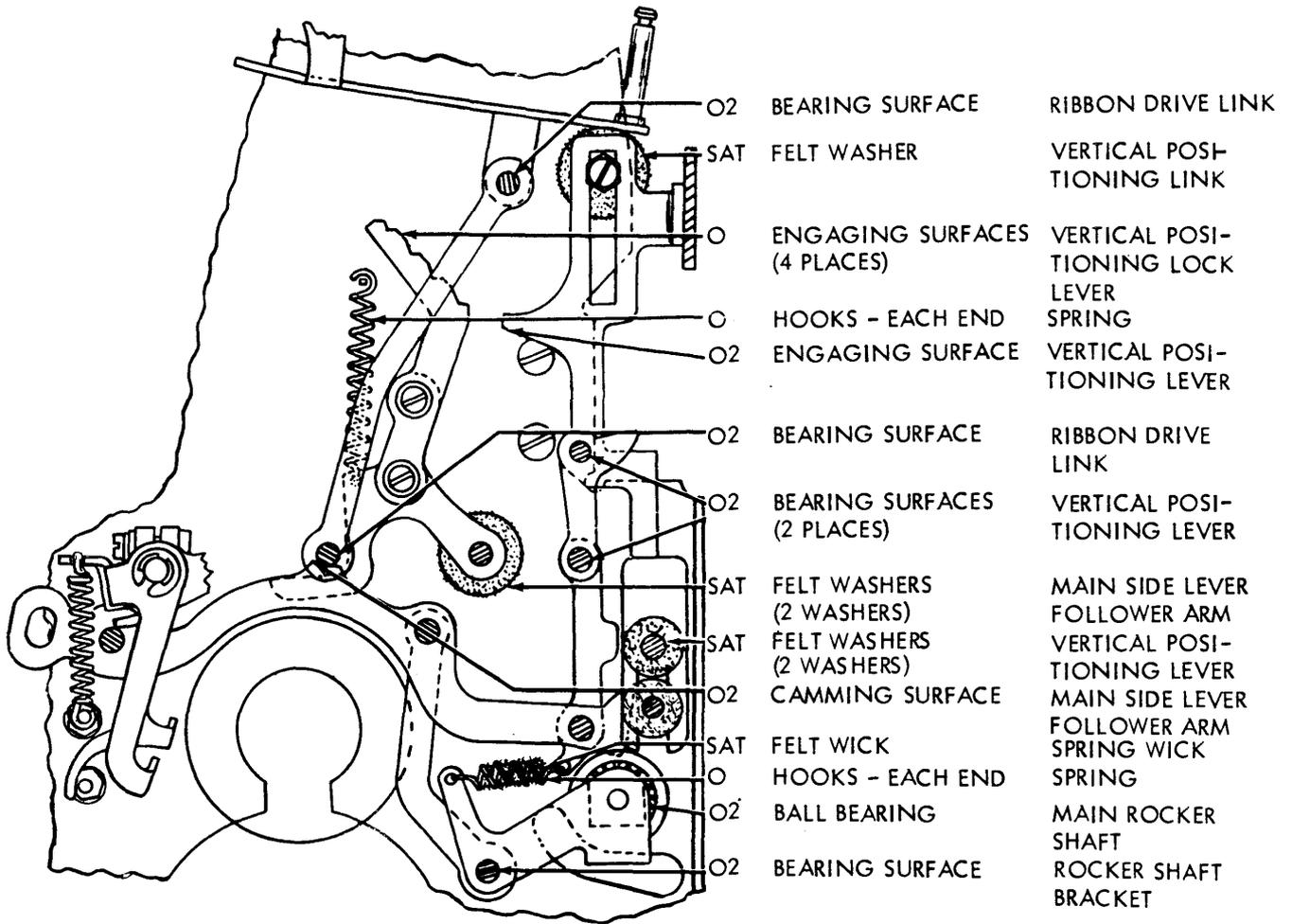
2.08 Ribbon Feed Mechanism (Left Side)

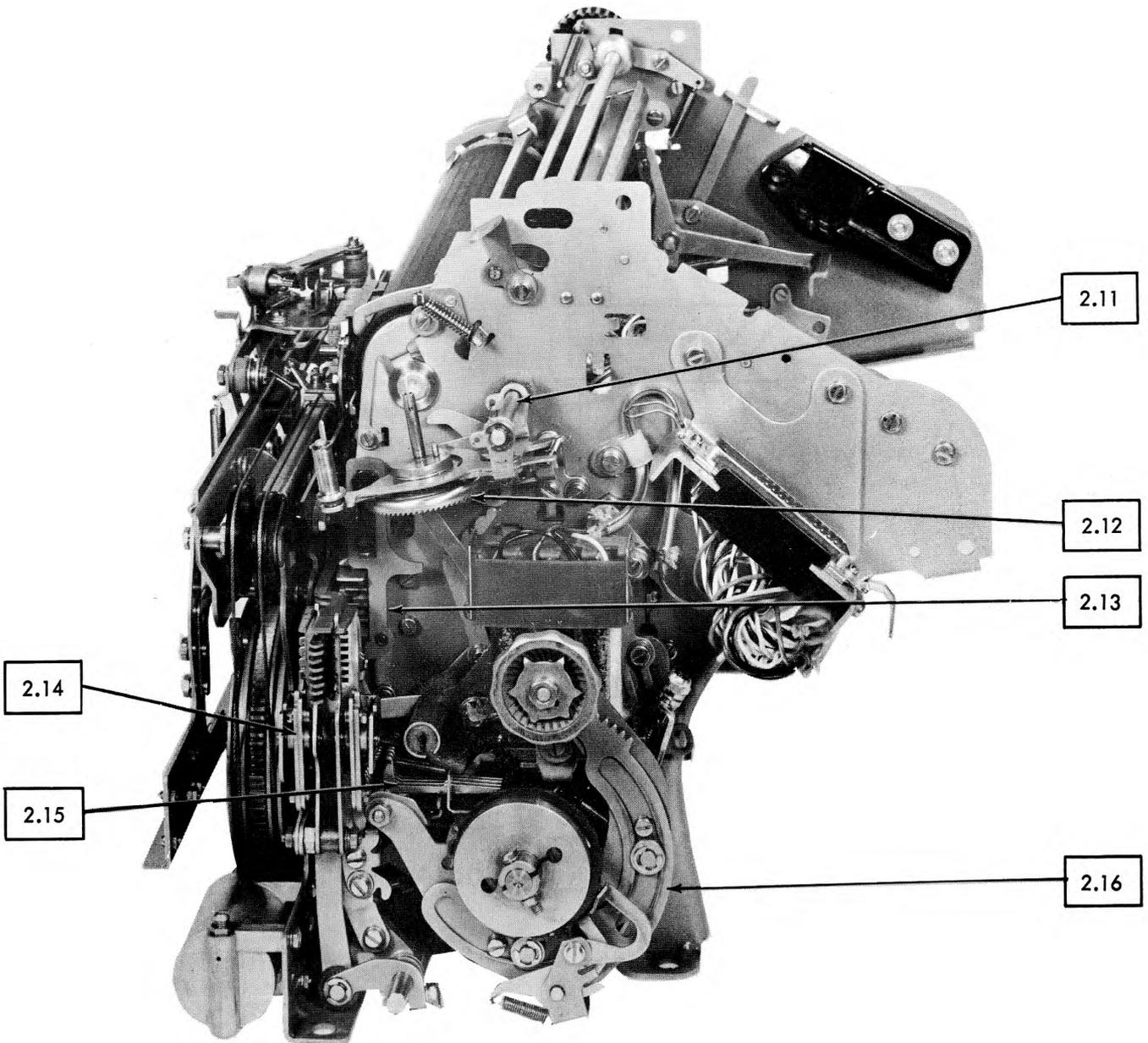


2.09 Ribbon Feed Mechanism continued



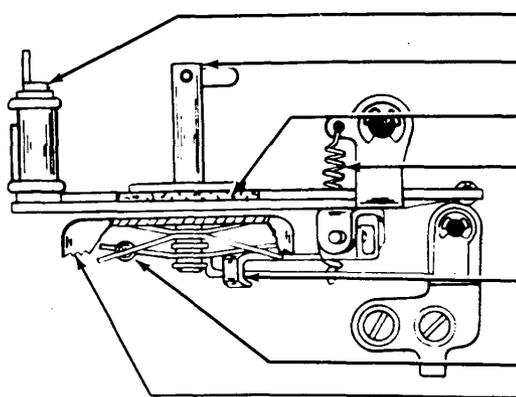
2.10 Vertical Positioning Mechanism (Left Side)





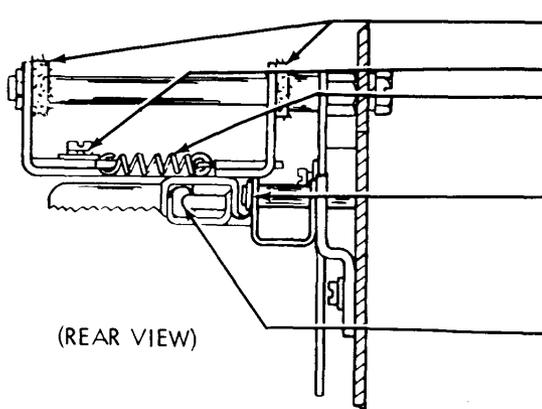
(RIGHT SIDE VIEW)

2.11 Ribbon Feed Mechanism (Right Side)



(RIGHT SIDE VIEW)

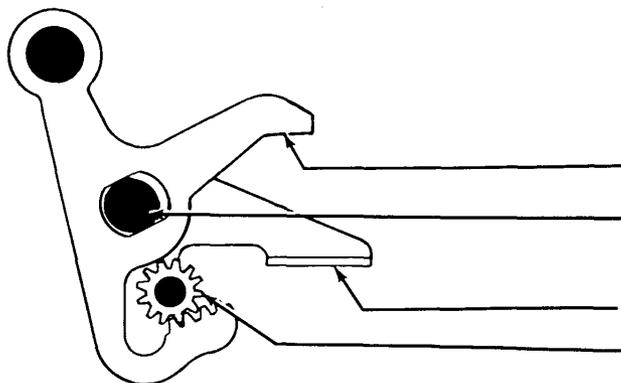
- 02 BEARING SURFACE RIBBON ROLLER SHAFT
- 02 BEARING SURFACE RIBBON SPOOL TOGGLE
- SAT FELT WASHER RIBBON SPOOL SHAFT
- 0 HOOKS-EACH END RIBBON FEED LEVER SPRING
- 02 ENGAGING SURFACE RIBBON DETENT LEVER
- 0 HOOKS-EACH END RIBBON RATCHET WHEEL SPRING
- G TEETH RIBBON RATCHET WHEEL



(REAR VIEW)

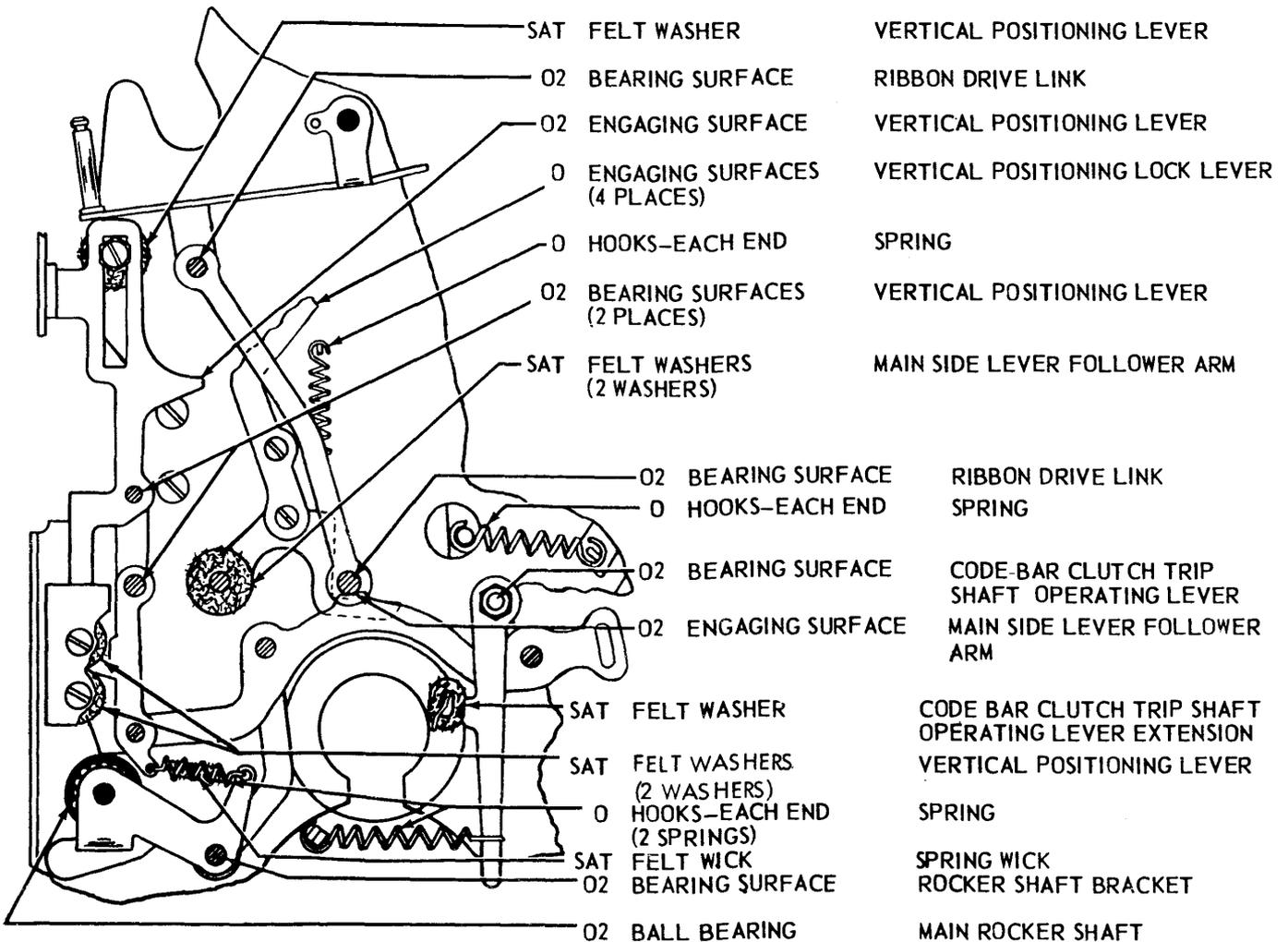
- SAT FELT WASHERS (2 WASHERS) RIBBON FEED LEVER BAIL
- 02 BEARING SURFACE RIBBON LEVER
- 0 HOOKS-EACH END SPRING
- 02 BEARING SURFACES RATCHET FEED LEVER SHAFT
- 02 BEARING SURFACE (2 PLACES) RIBBON DETENT LEVER SHAFT

2.12 Ribbon Feed Mechanism continued

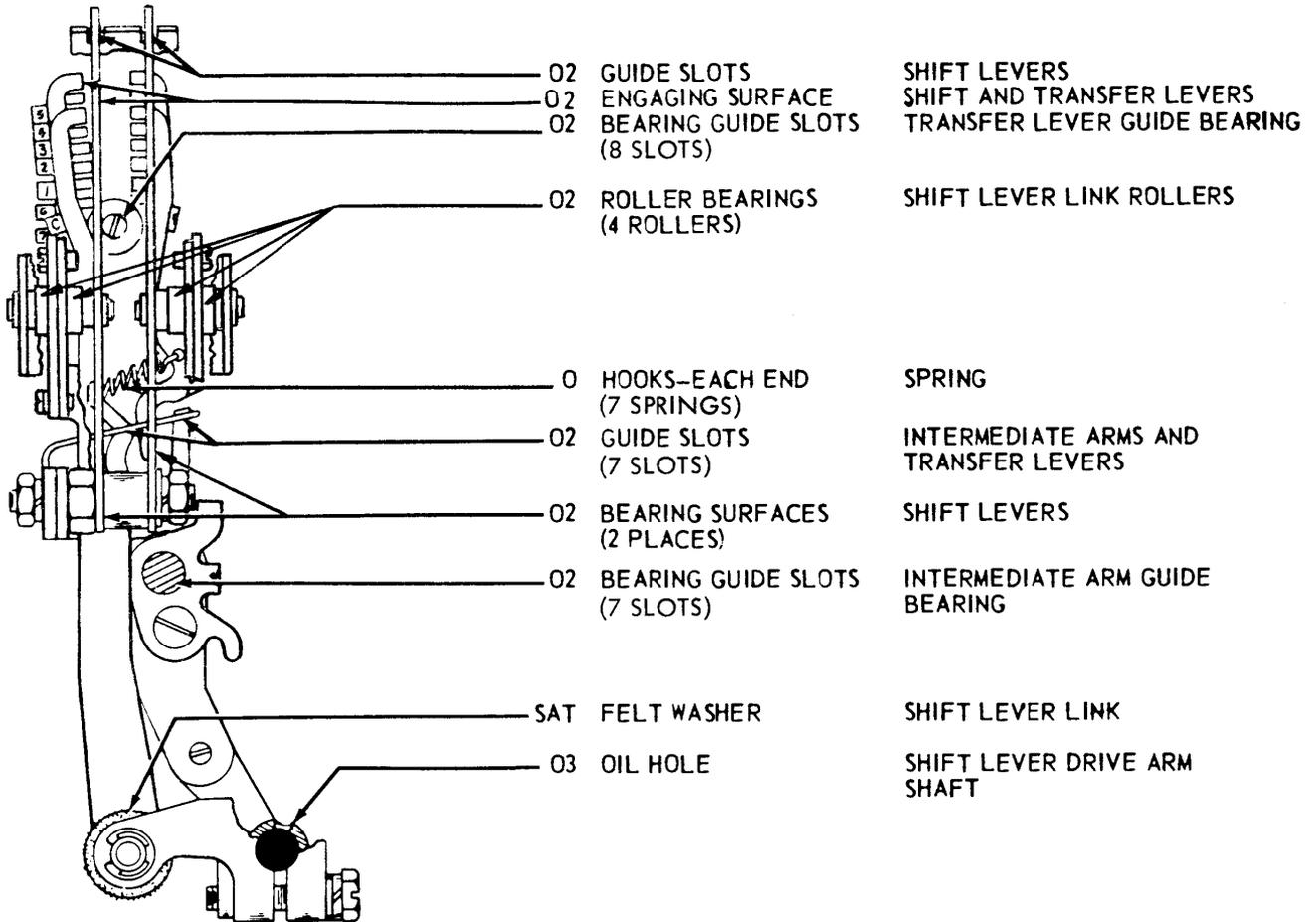


- 02 ENGAGING SURFACE RIBBON REVERSING LEVER
- 02 BEARING SURFACE RIBBON REVERSE LEVERS
- 02 ENGAGING SURFACE RIBBON REVERSE LEVER
- G TEETH RIBBON REVERSE SPUR GEAR

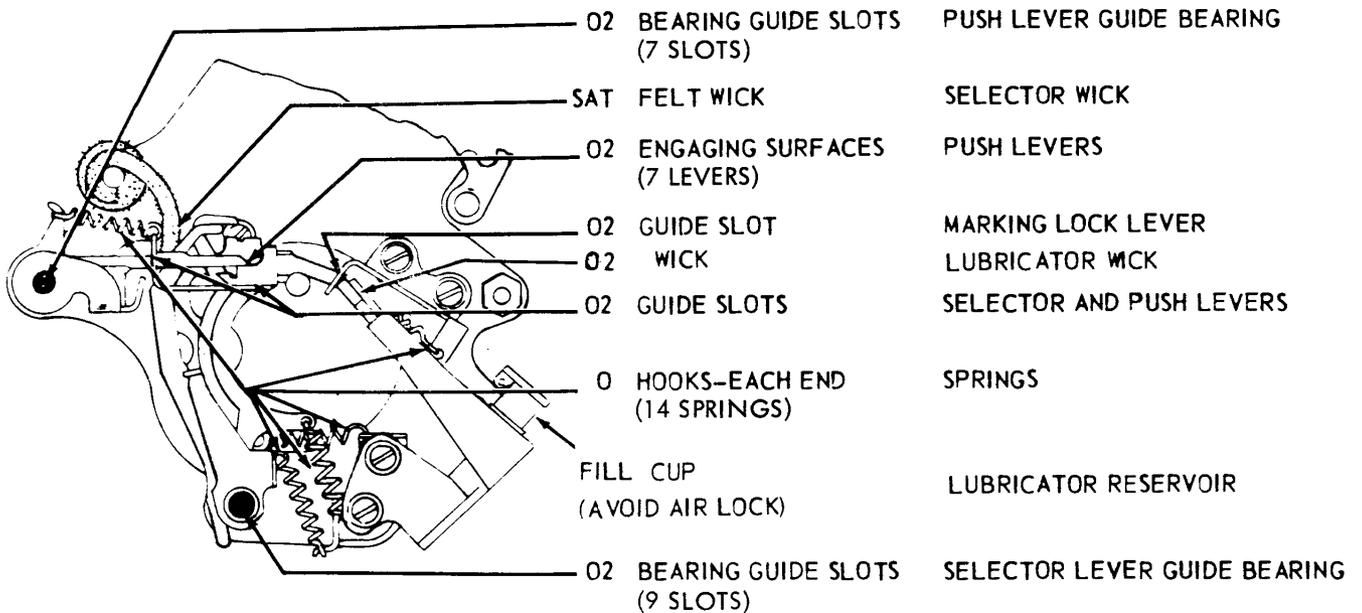
2.13 Vertical Positioning Mechanism (Right Side)



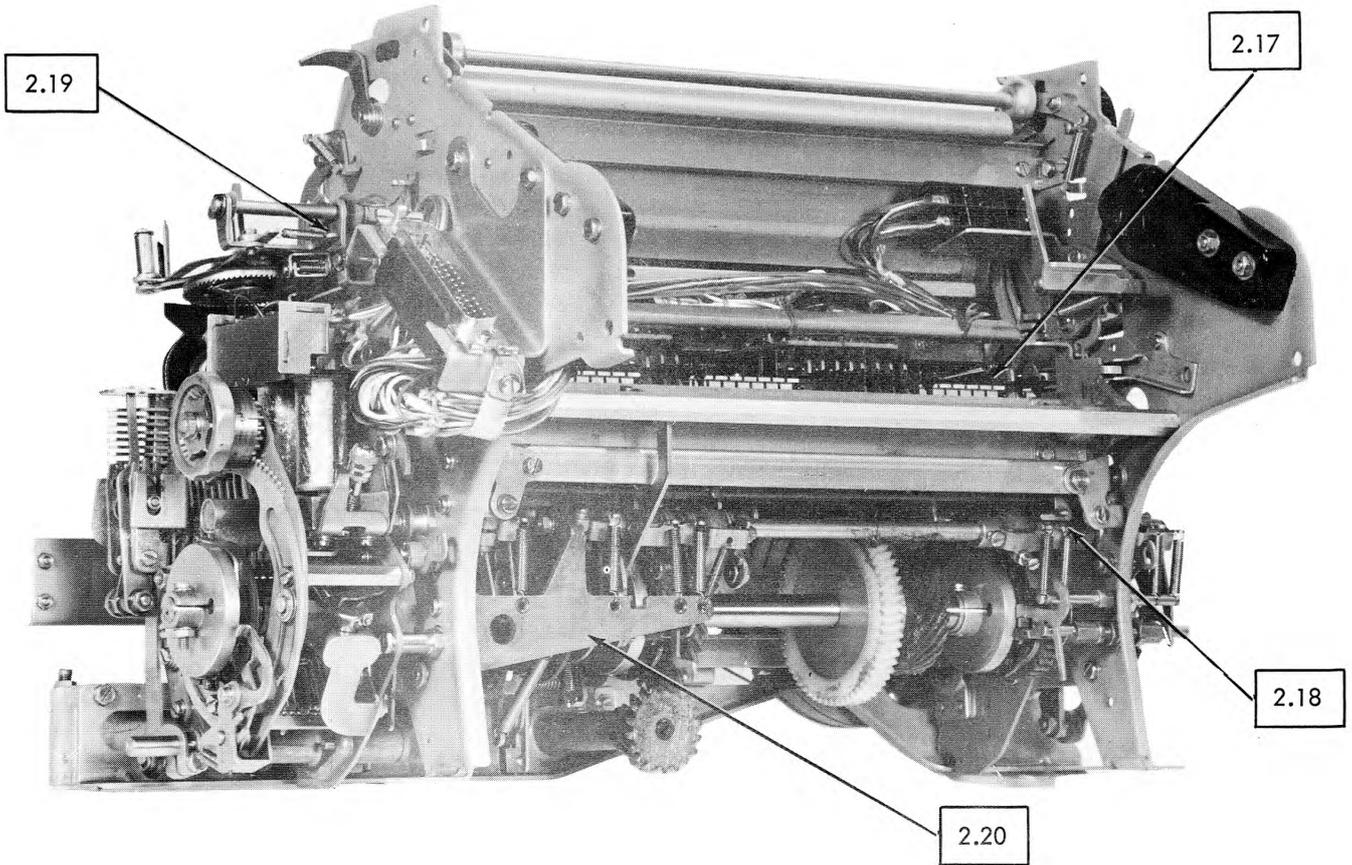
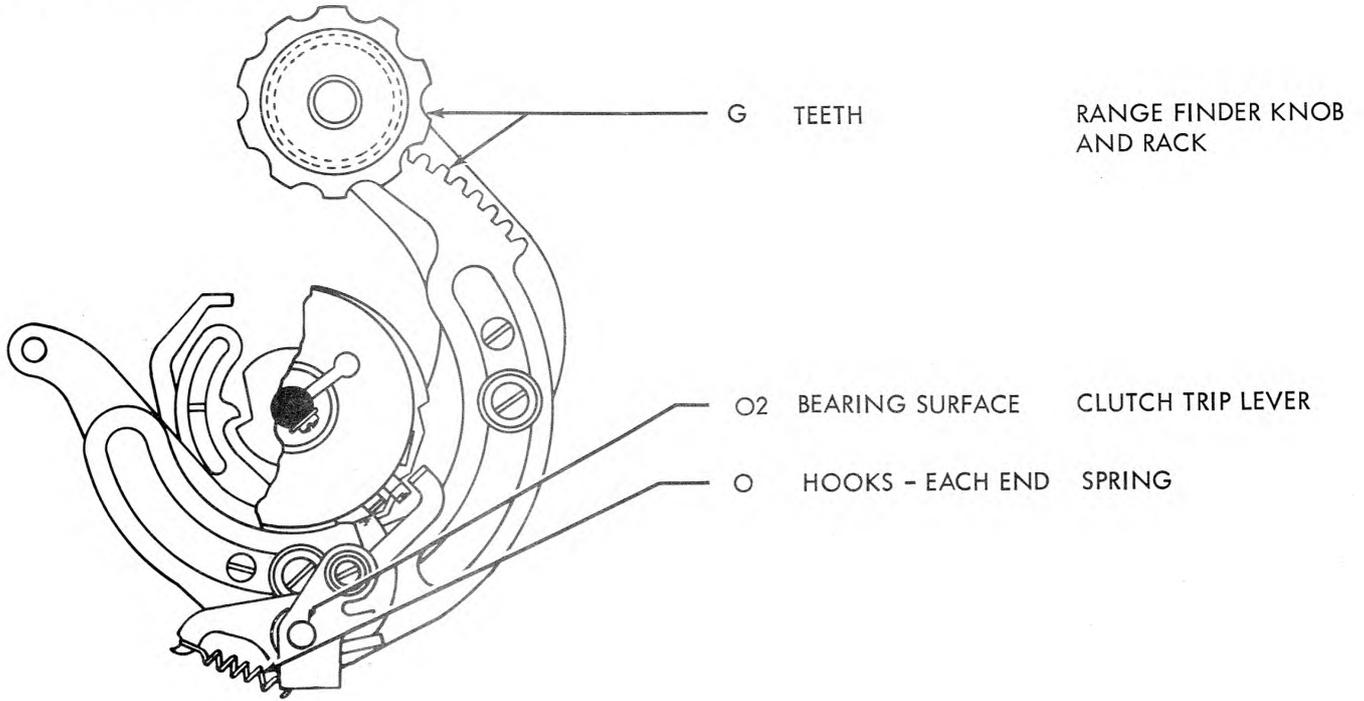
2.14 Code Bar Mechanism



2.15 Selector Mechanism

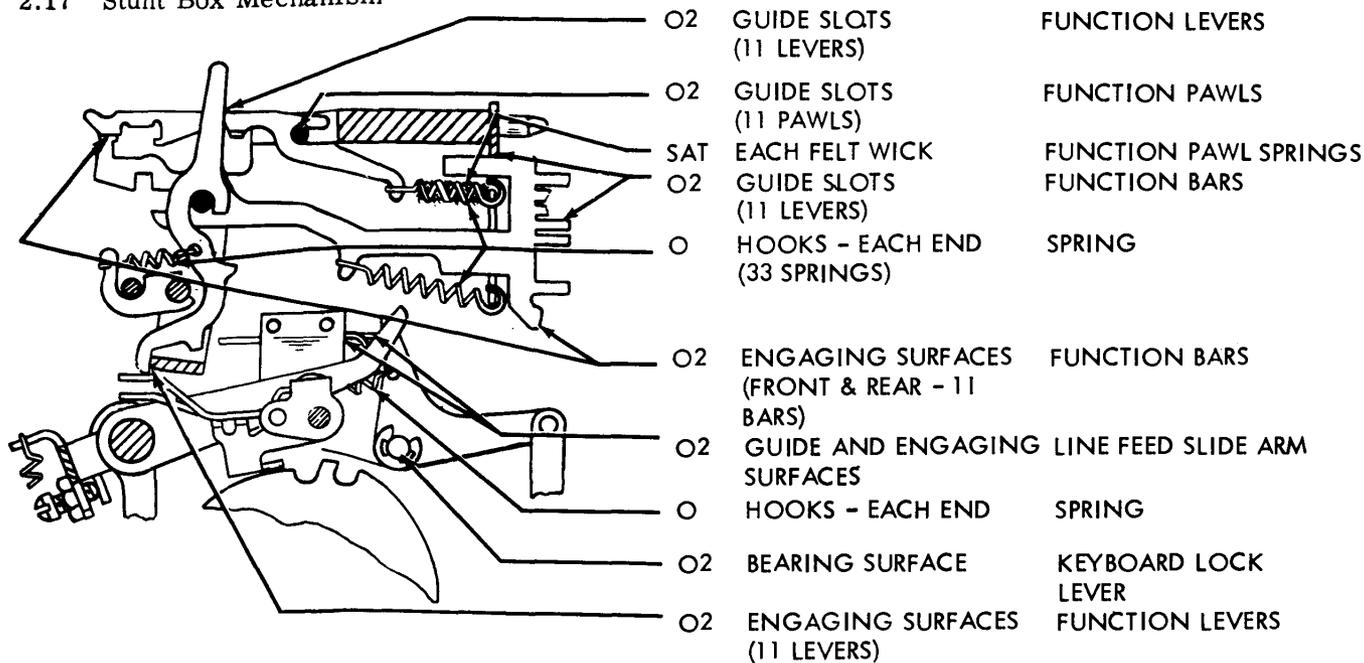


2.16 Selector Mechanism continued

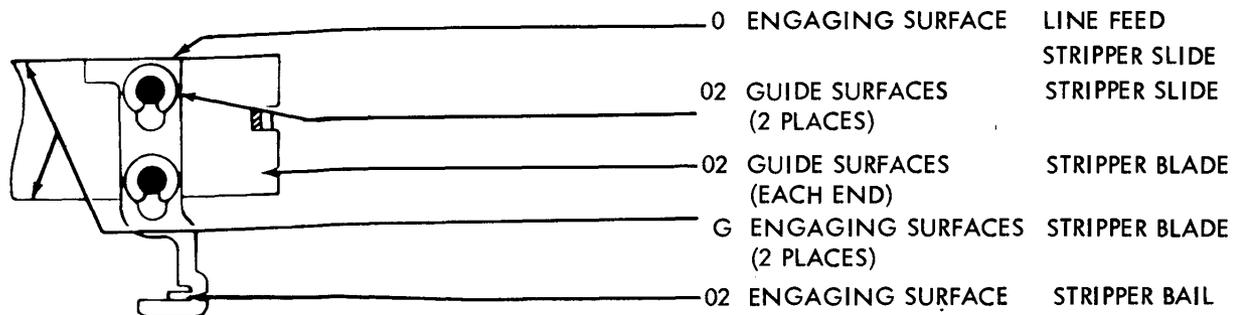


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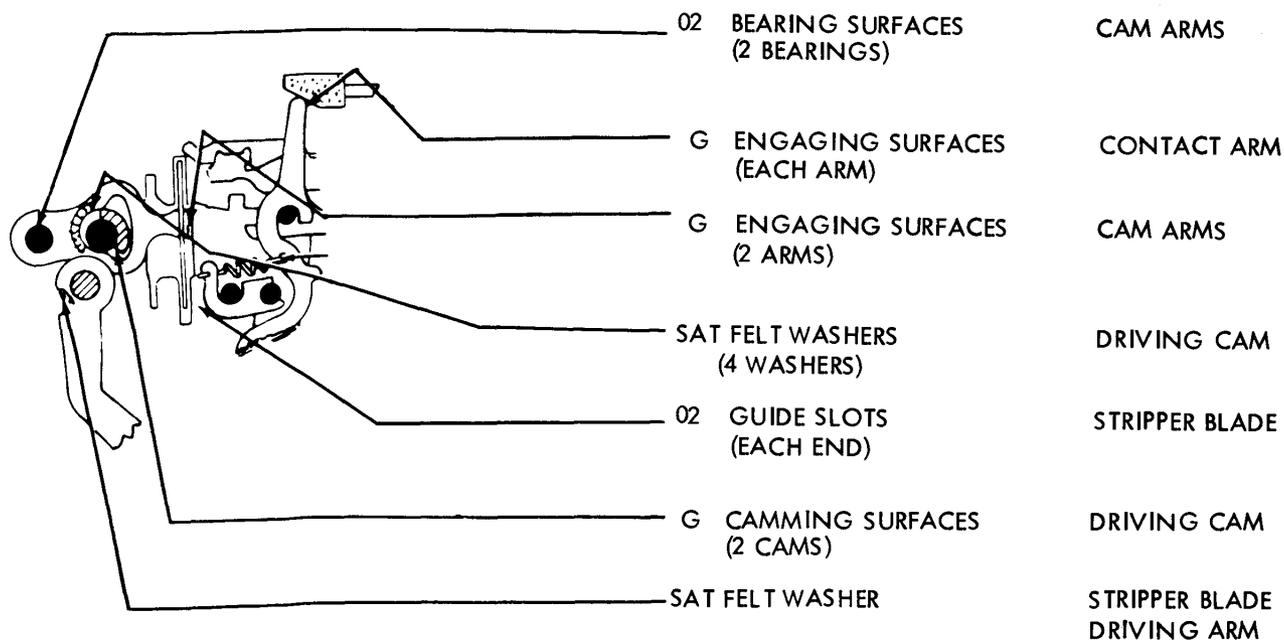
2.17 Stunt Box Mechanism



2.18 Stripper Blade Mechanism

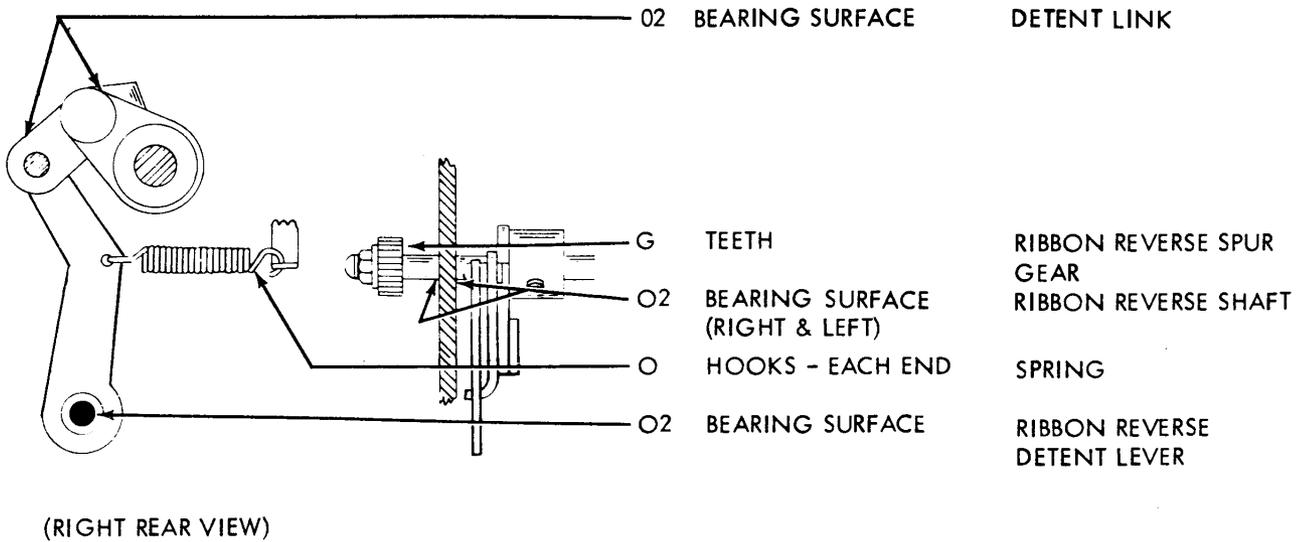


(REAR VIEW)

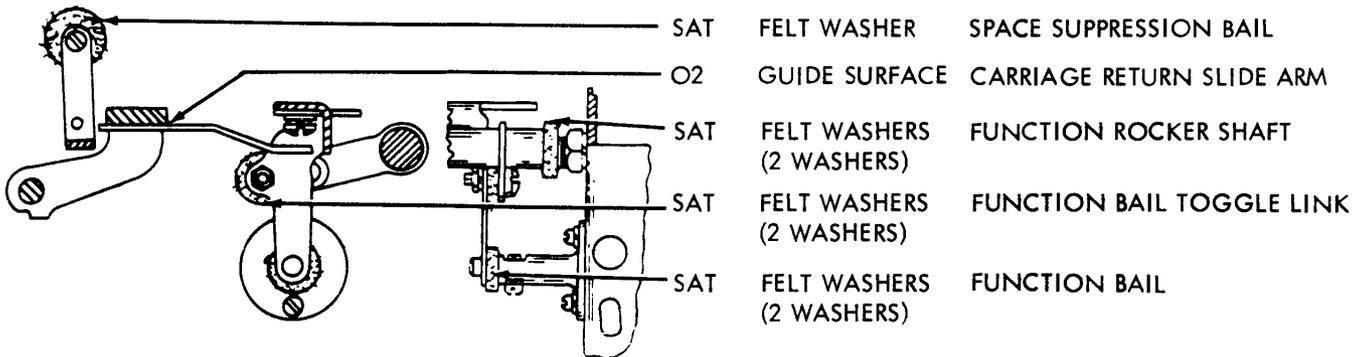


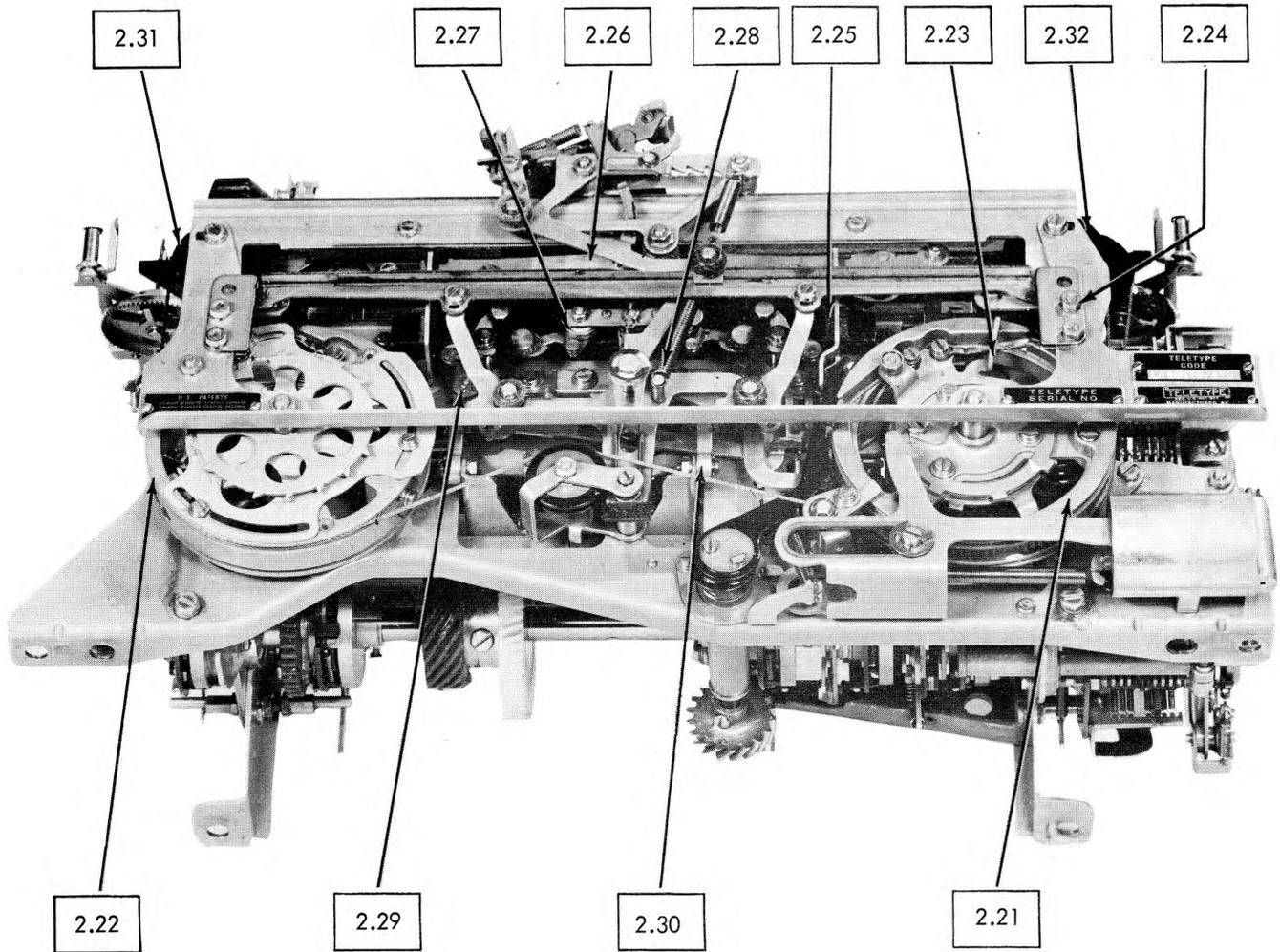
(LEFT SIDE VIEW)

2.19 Ribbon Reverse Mechanism



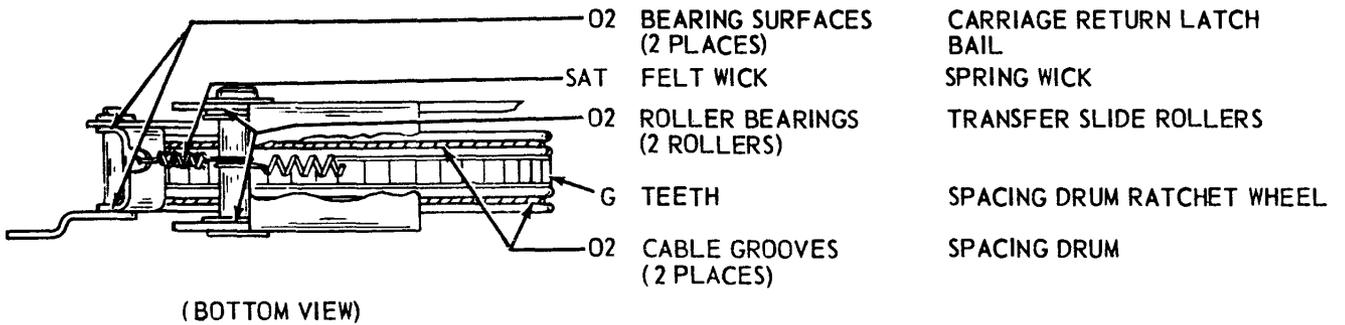
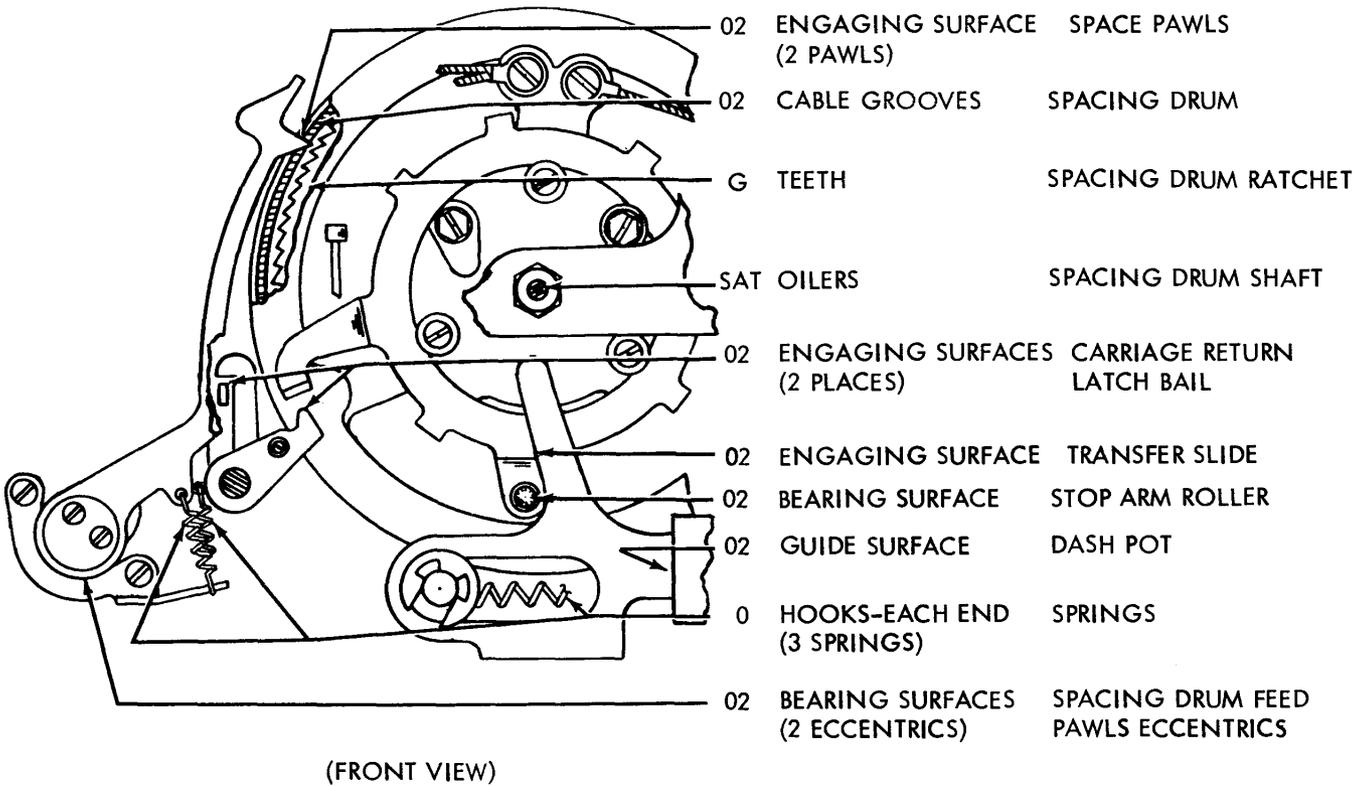
2.20 Function Rocker Shaft Mechanism



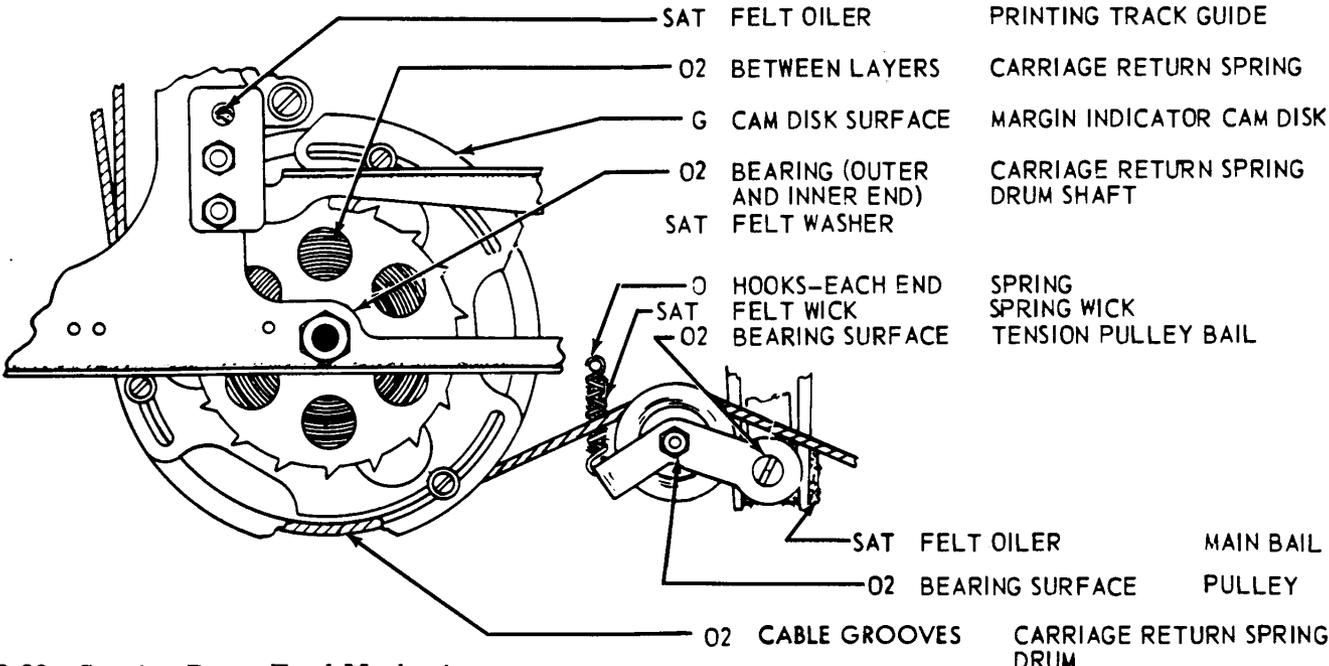


(FRONT VIEW)

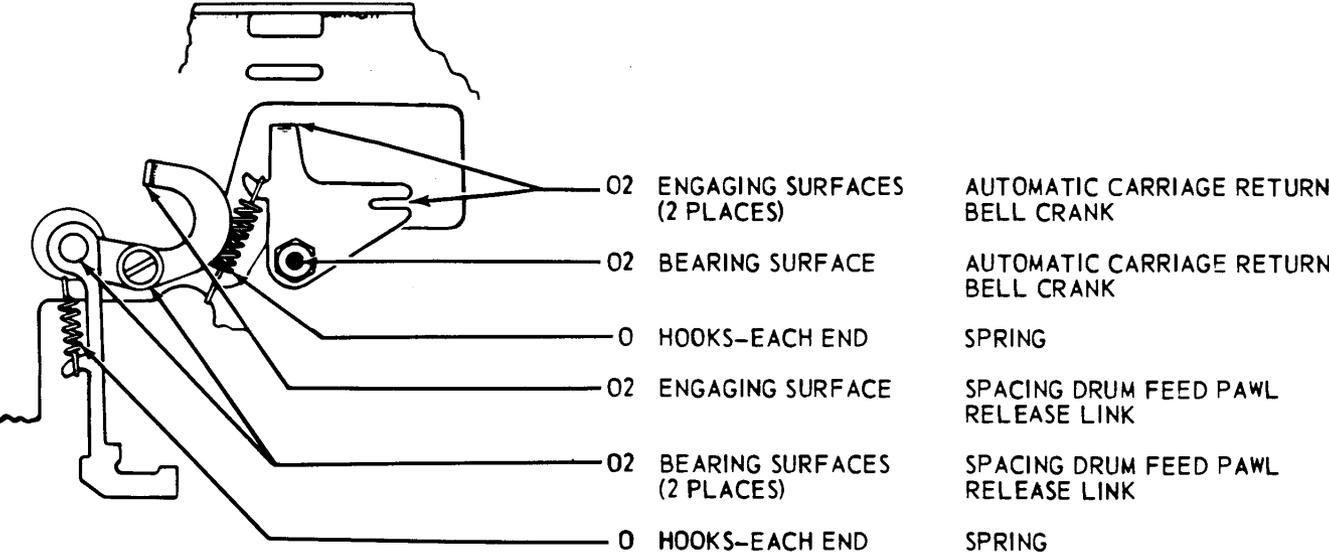
2.21 Spacing Drum Mechanism



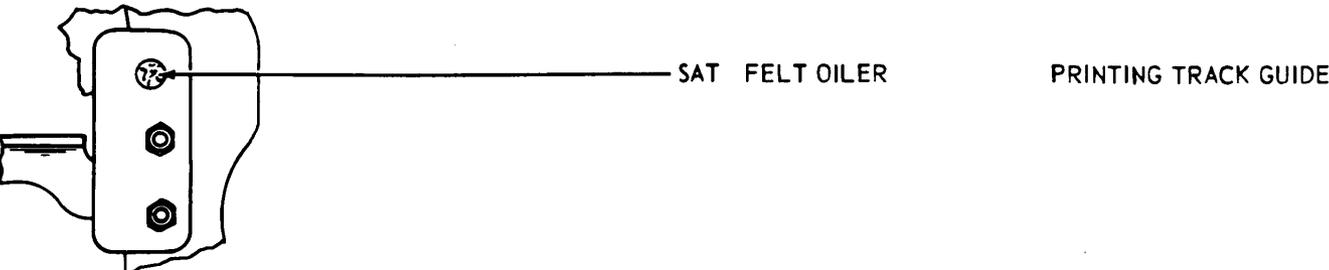
2.22 Carriage Return Mechanism



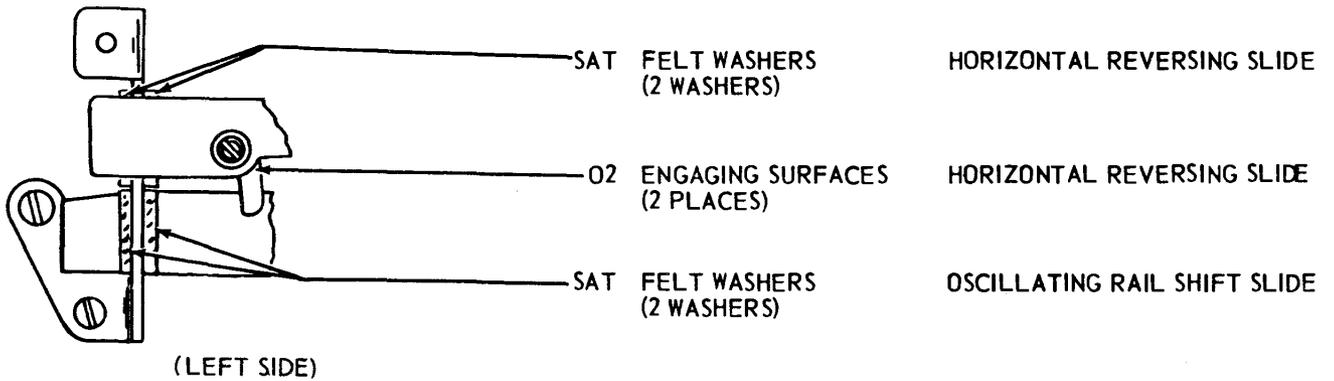
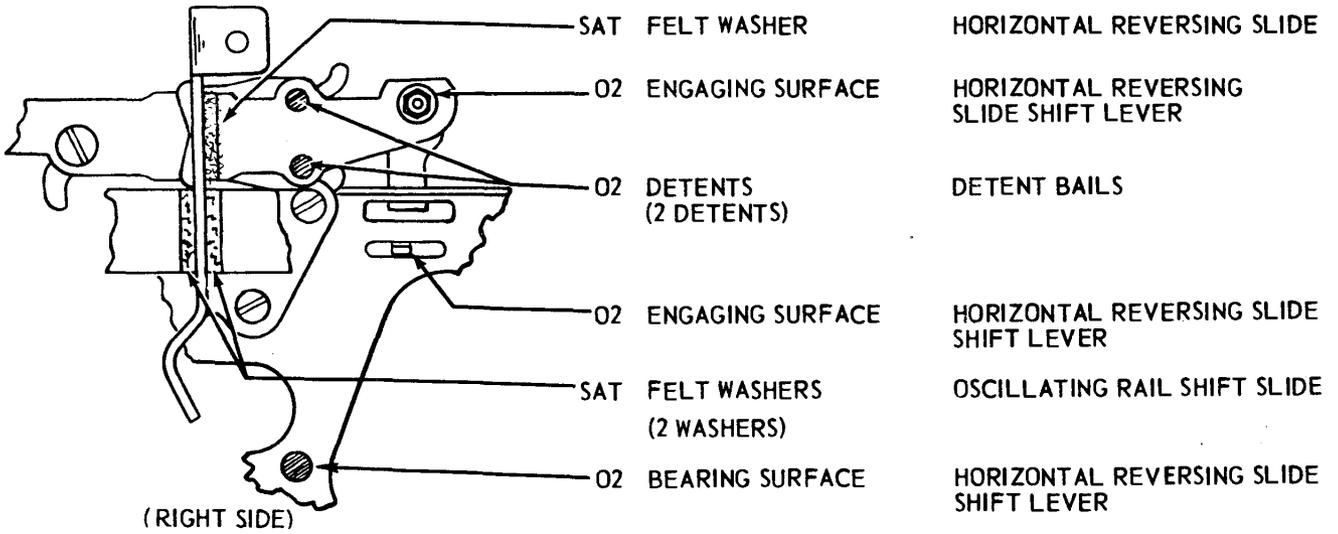
2.23 Spacing Drum Feed Mechanism



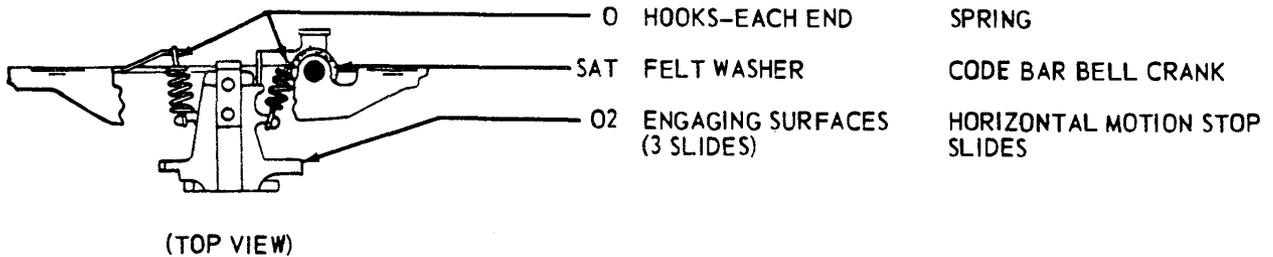
2.24 Track Guide Mechanism



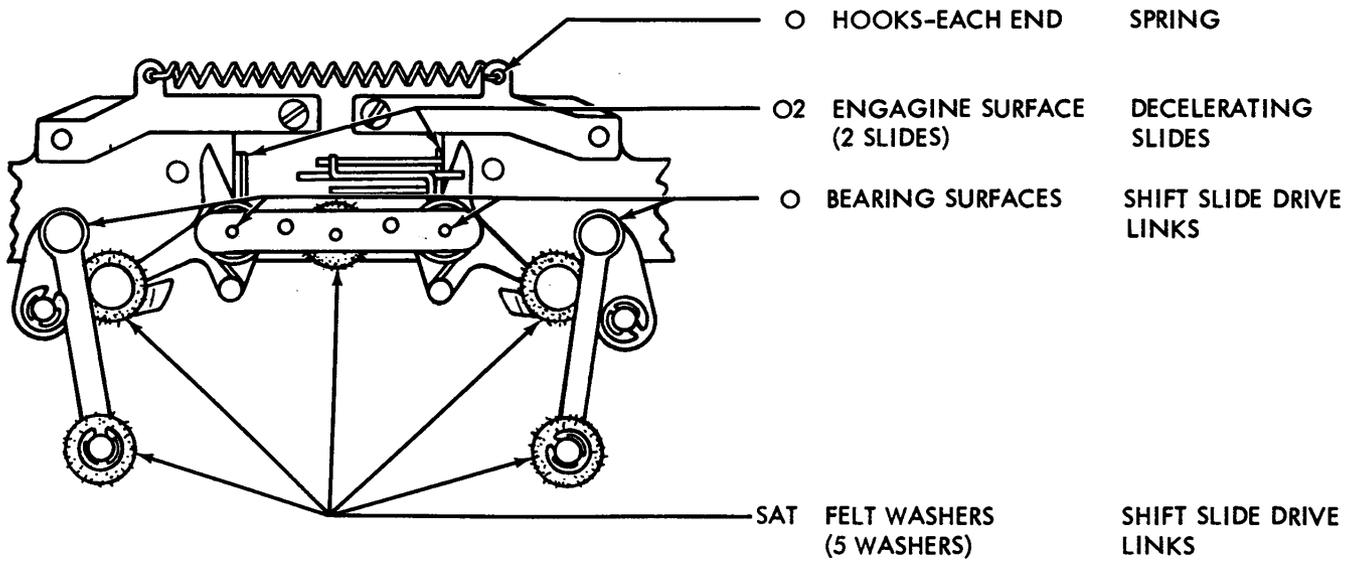
2.25 Horizontal Positioning Mechanism (Front View)



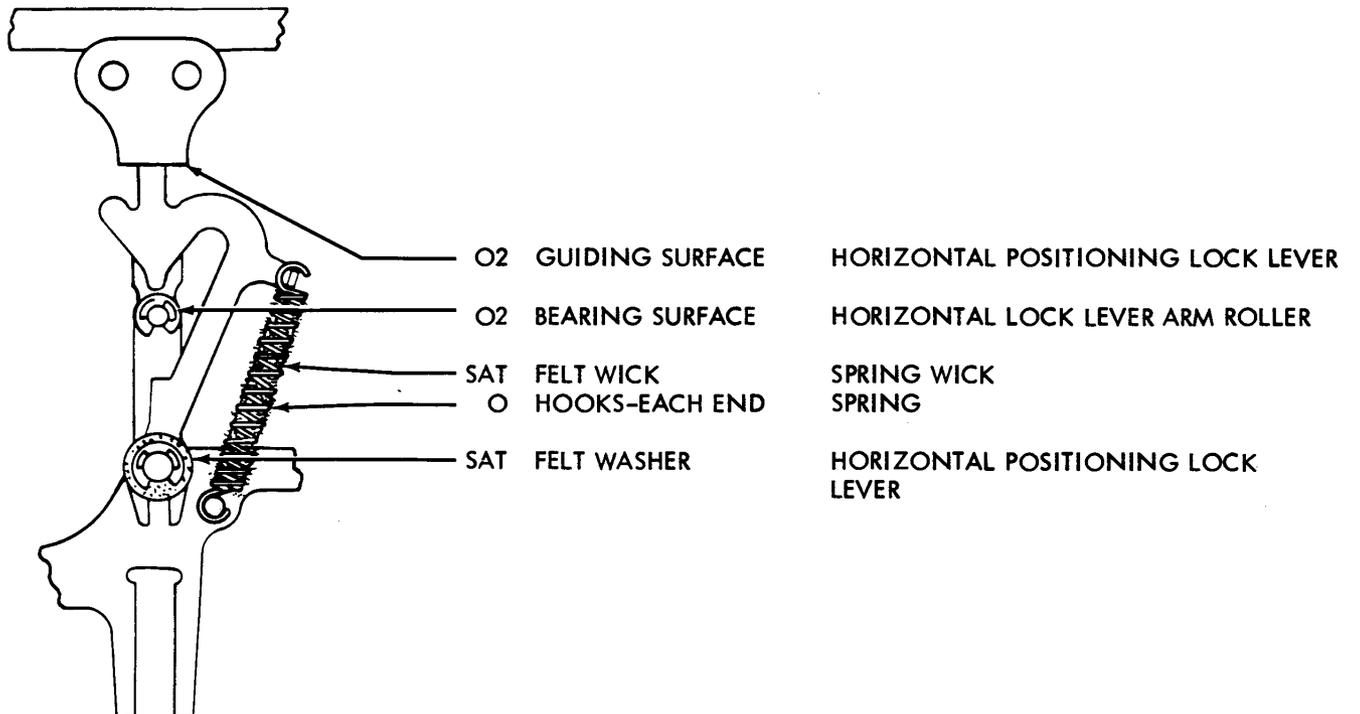
2.26 Horizontal Positioning Mechanism continued



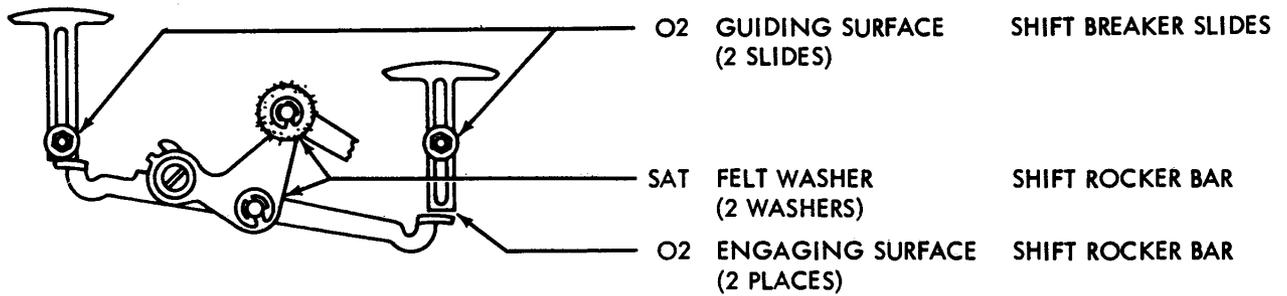
2.27 Horizontal Positioning Mechanism continued



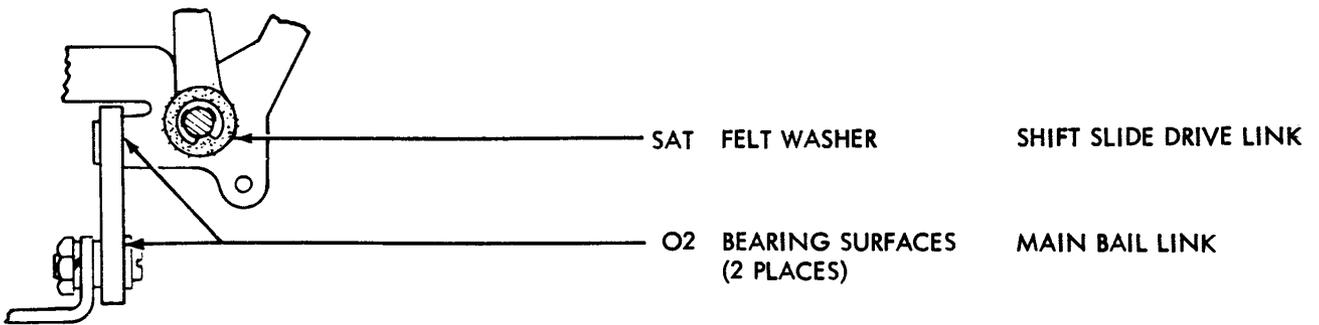
2.28 Horizontal Positioning Mechanism continued



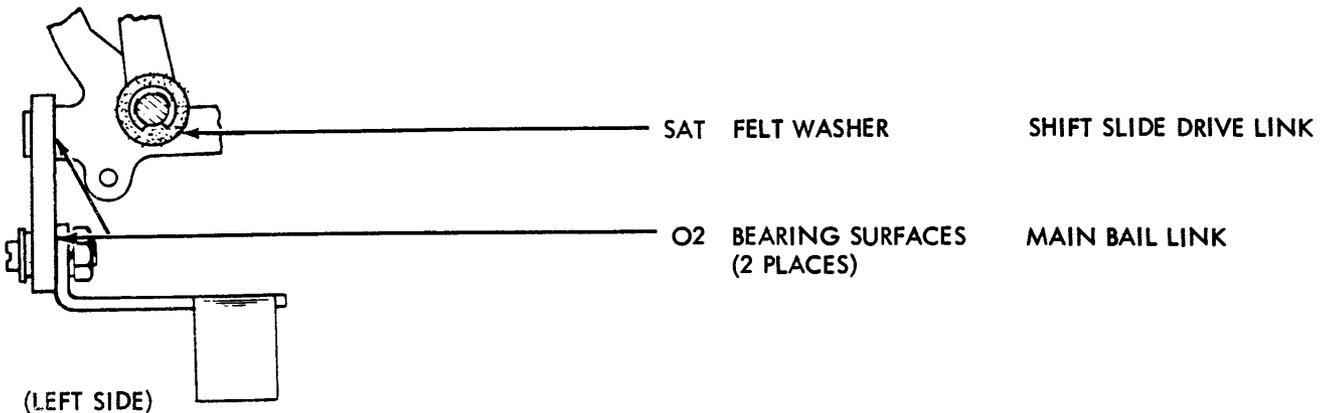
2.29 Horizontal Positioning Drive Mechanism



2.30 Shift Mechanism

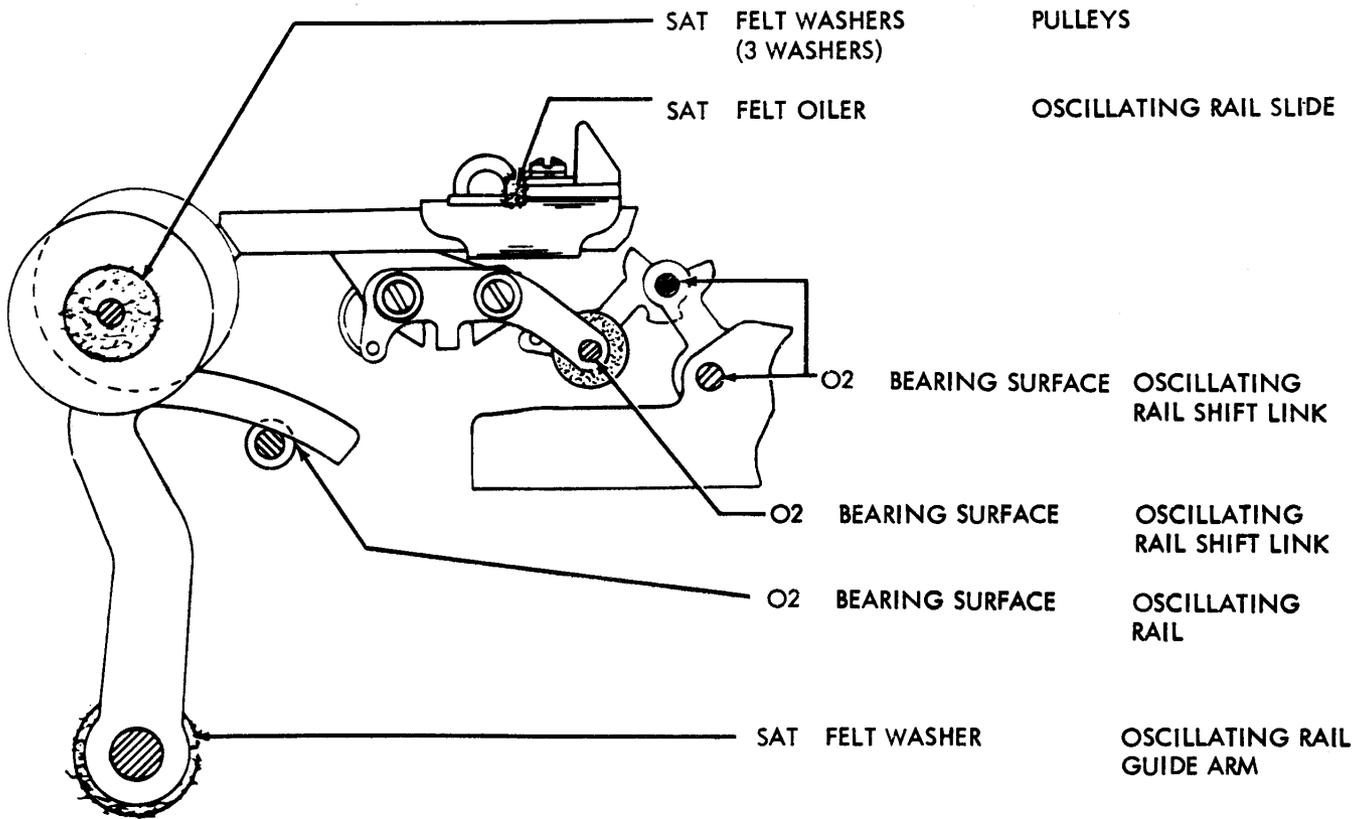


(RIGHT SIDE)

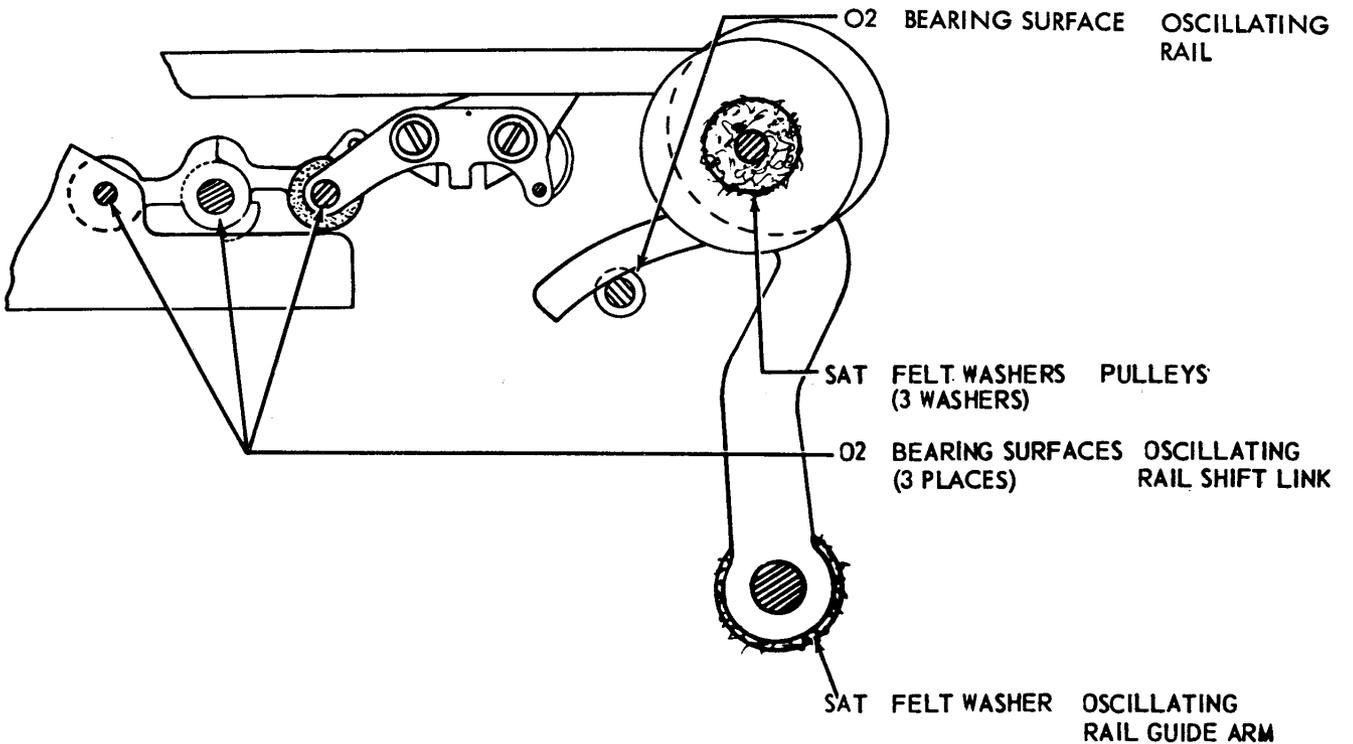


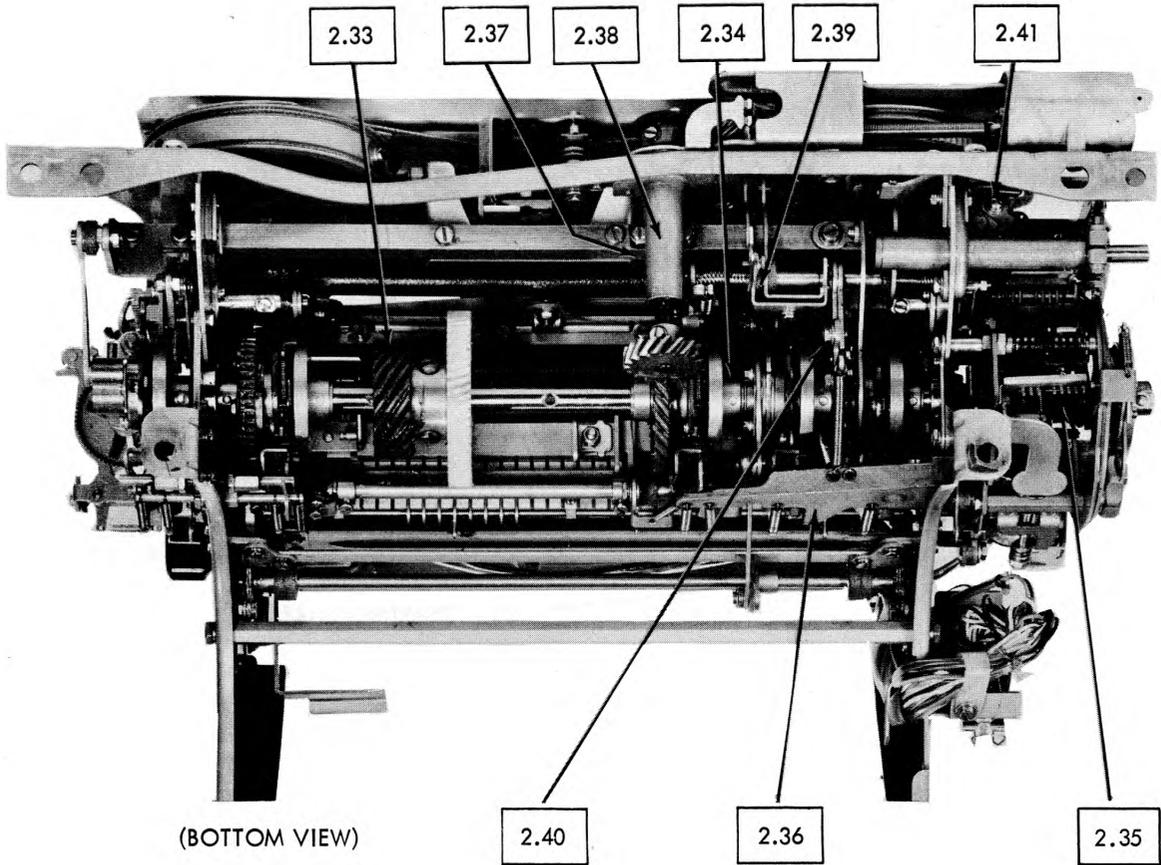
(LEFT SIDE)

2.31 Oscillating Mechanism

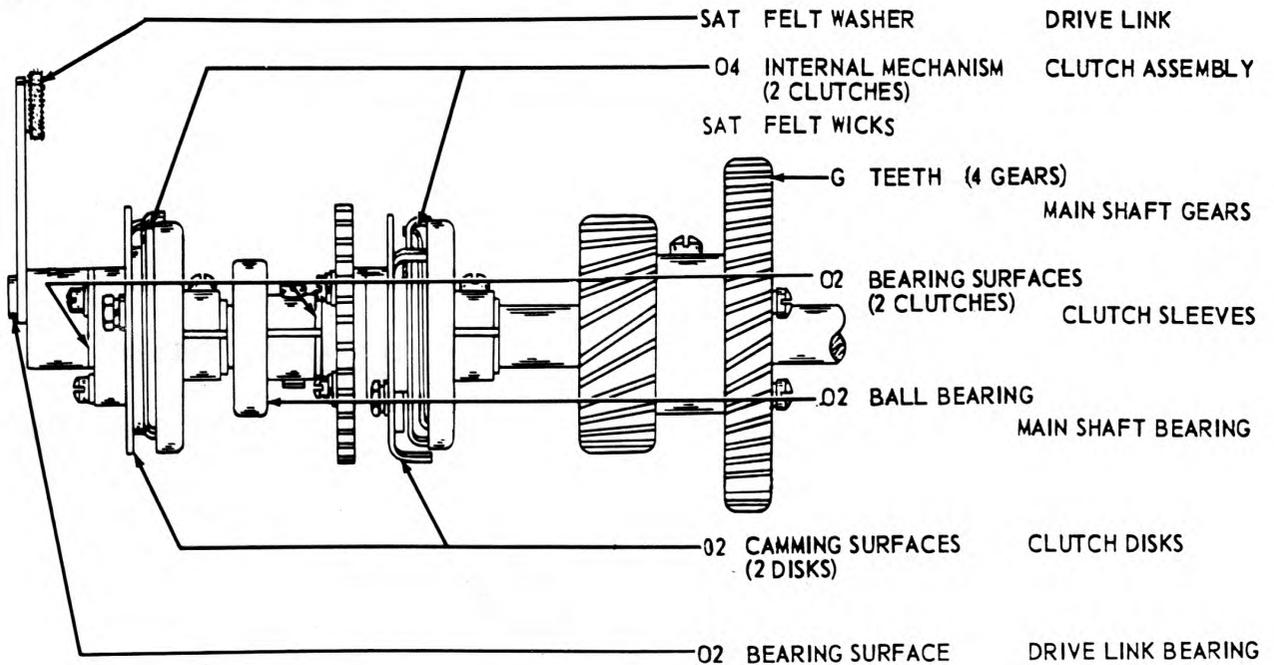


2.32 Oscillating Mechanism continued

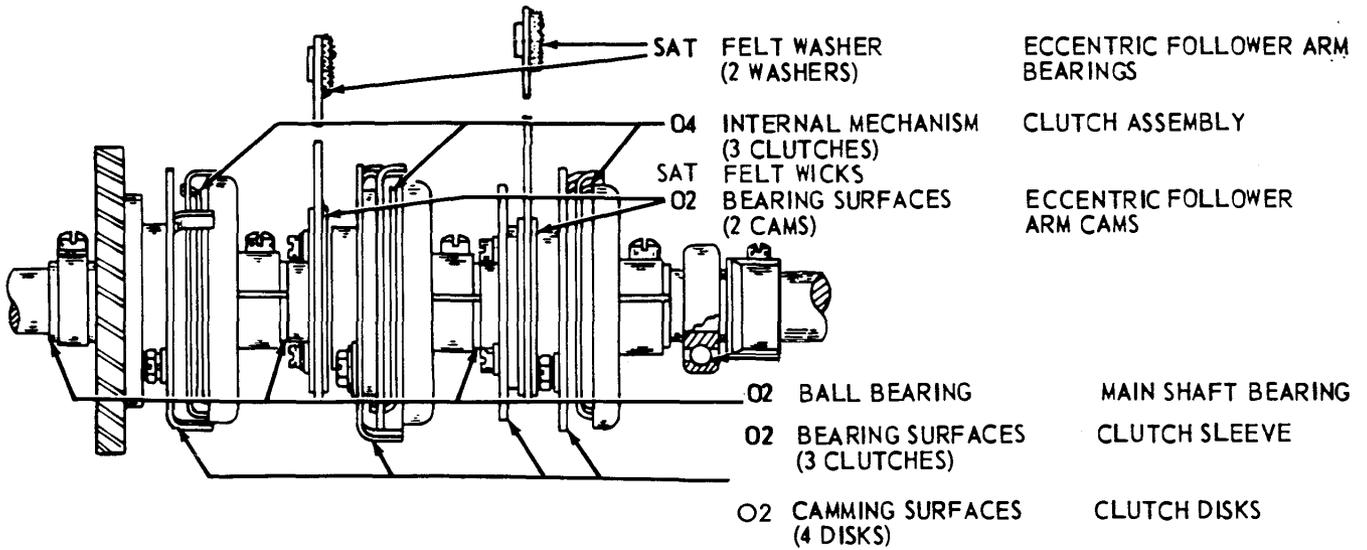




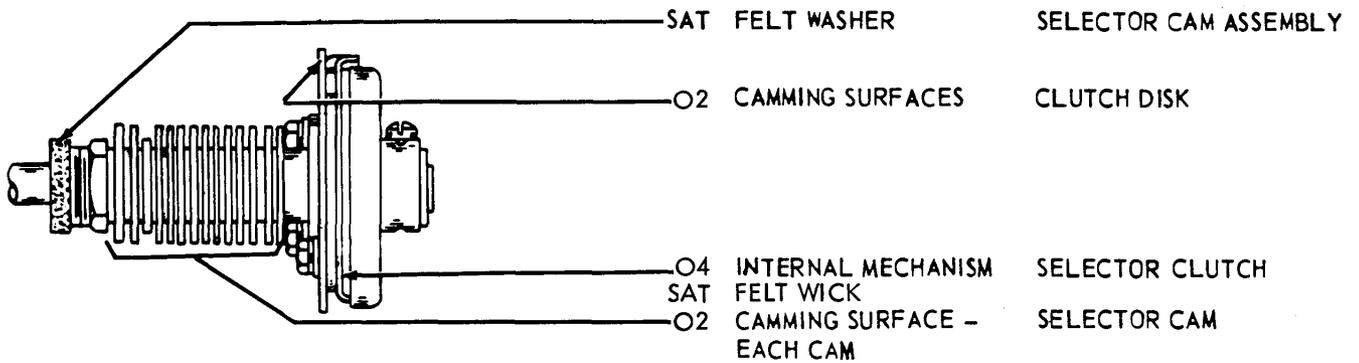
2.33 Main Shaft (Clutches, Gears, etc.) (Bottom View)



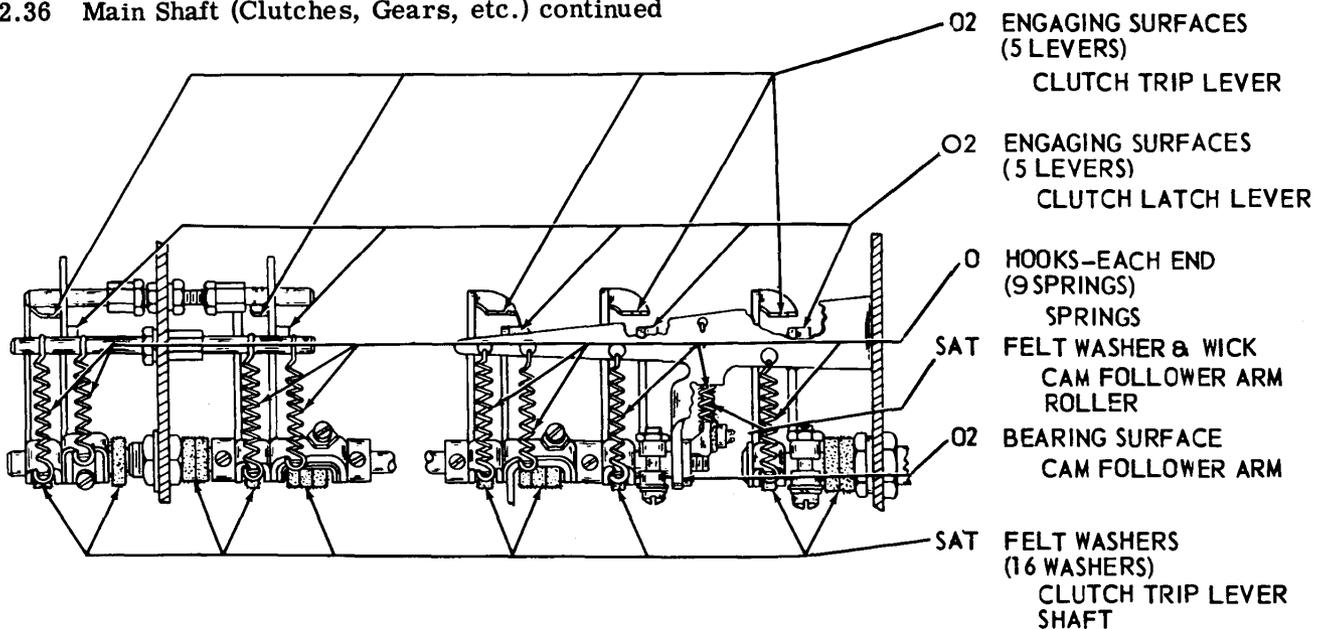
2.34 Main Shaft Mechanism



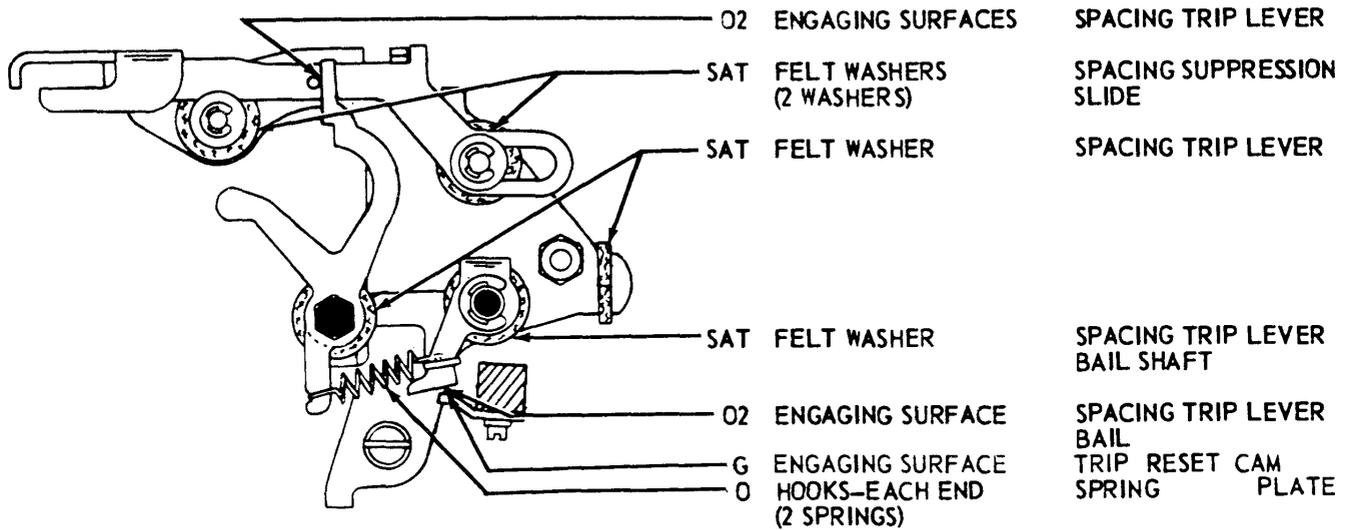
2.35 Selector Cam-Clutch Assembly



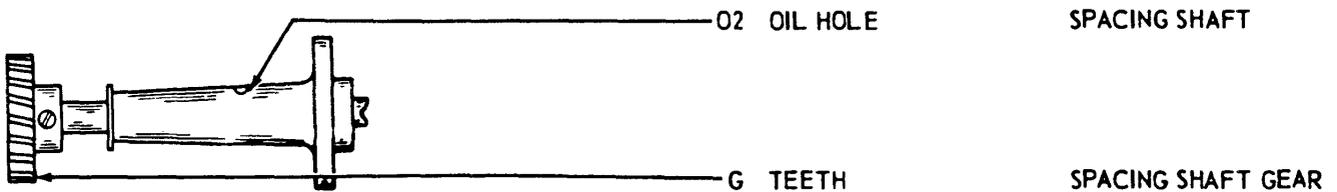
2.36 Main Shaft (Clutches, Gears, etc.) continued



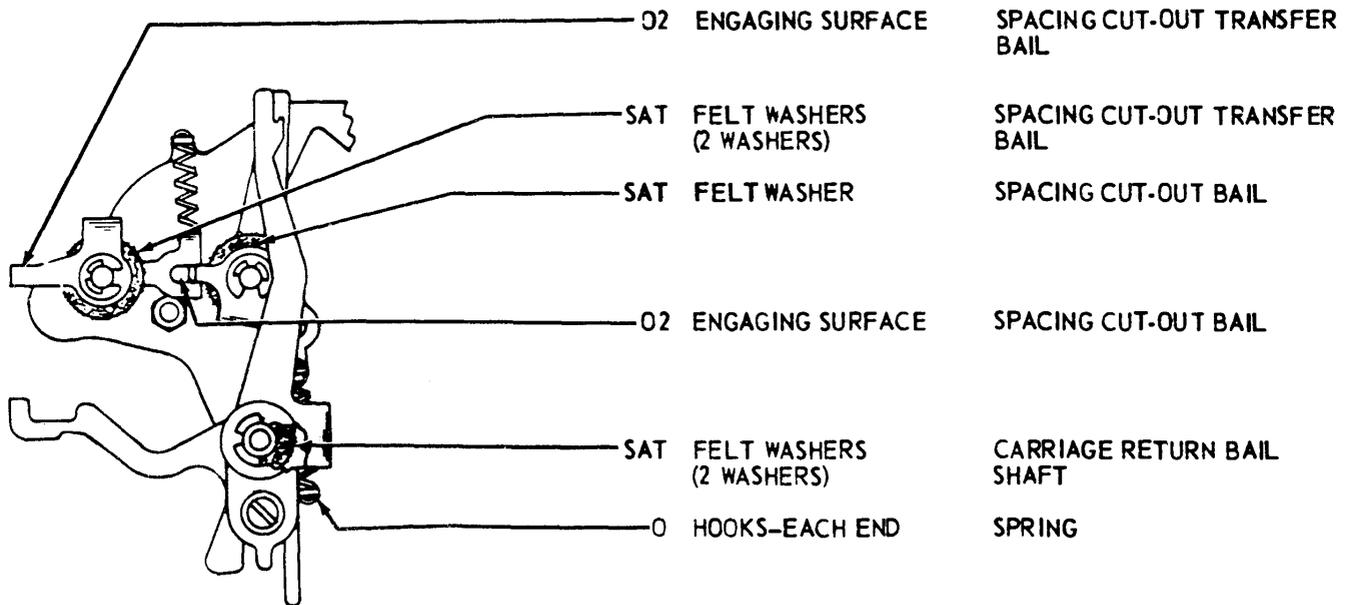
2.37 Spacing Mechanism



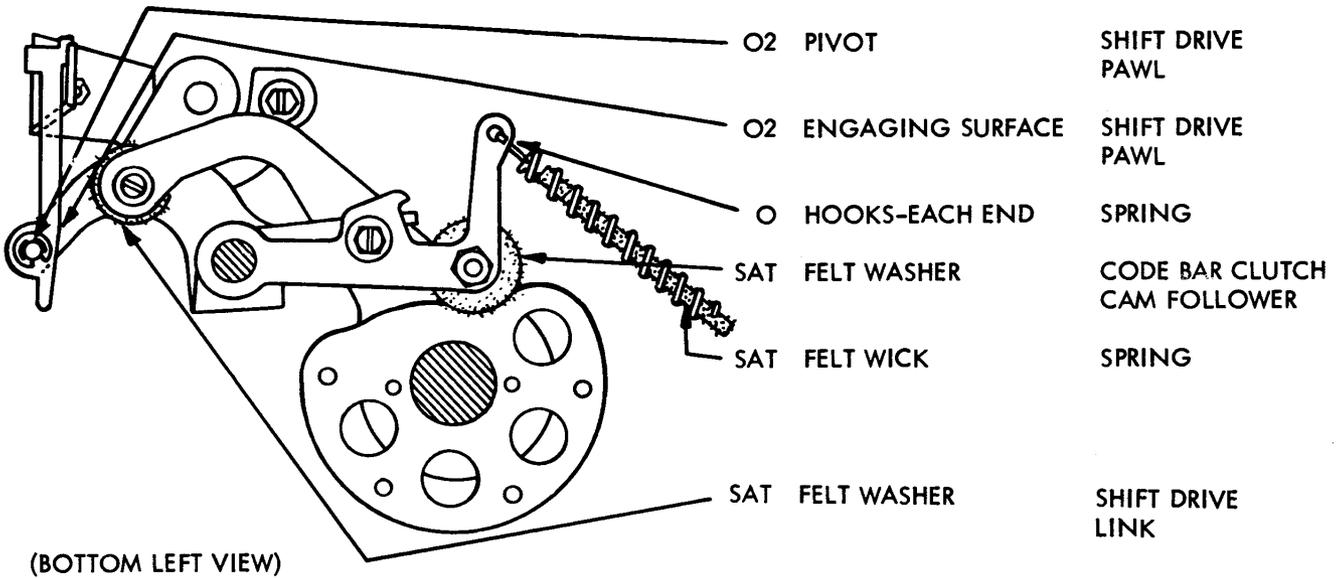
2.38 Spacing Mechanism continued



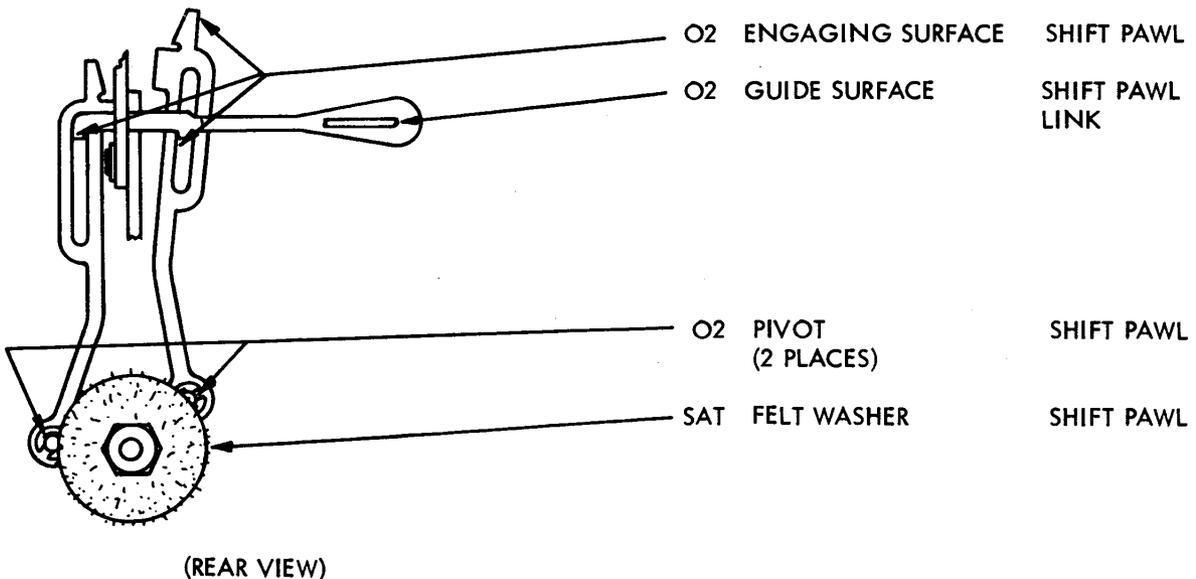
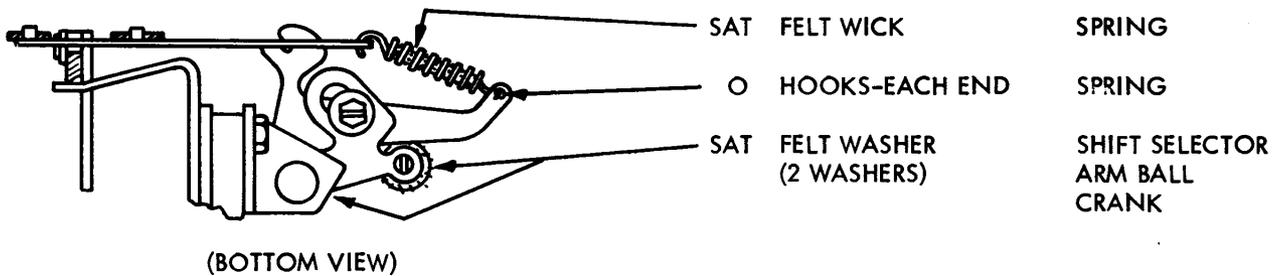
2.39 Spacing Mechanism continued

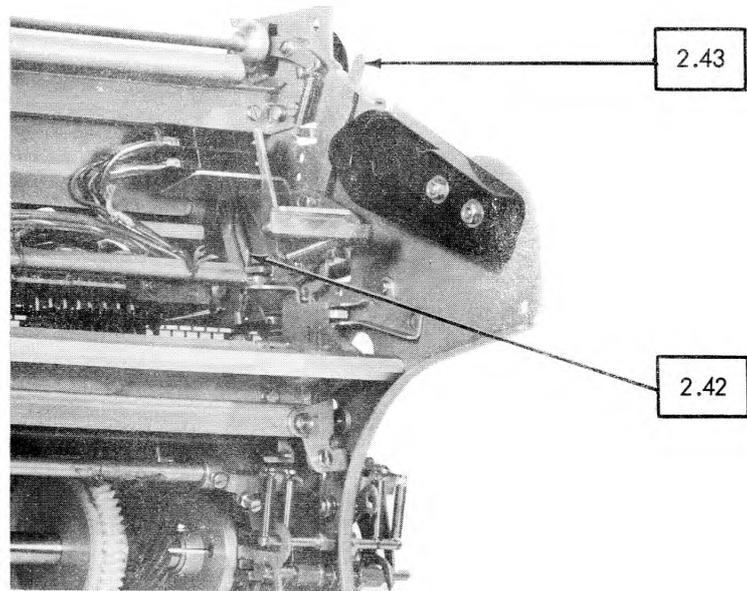


2.40 Shift Selector Mechanism

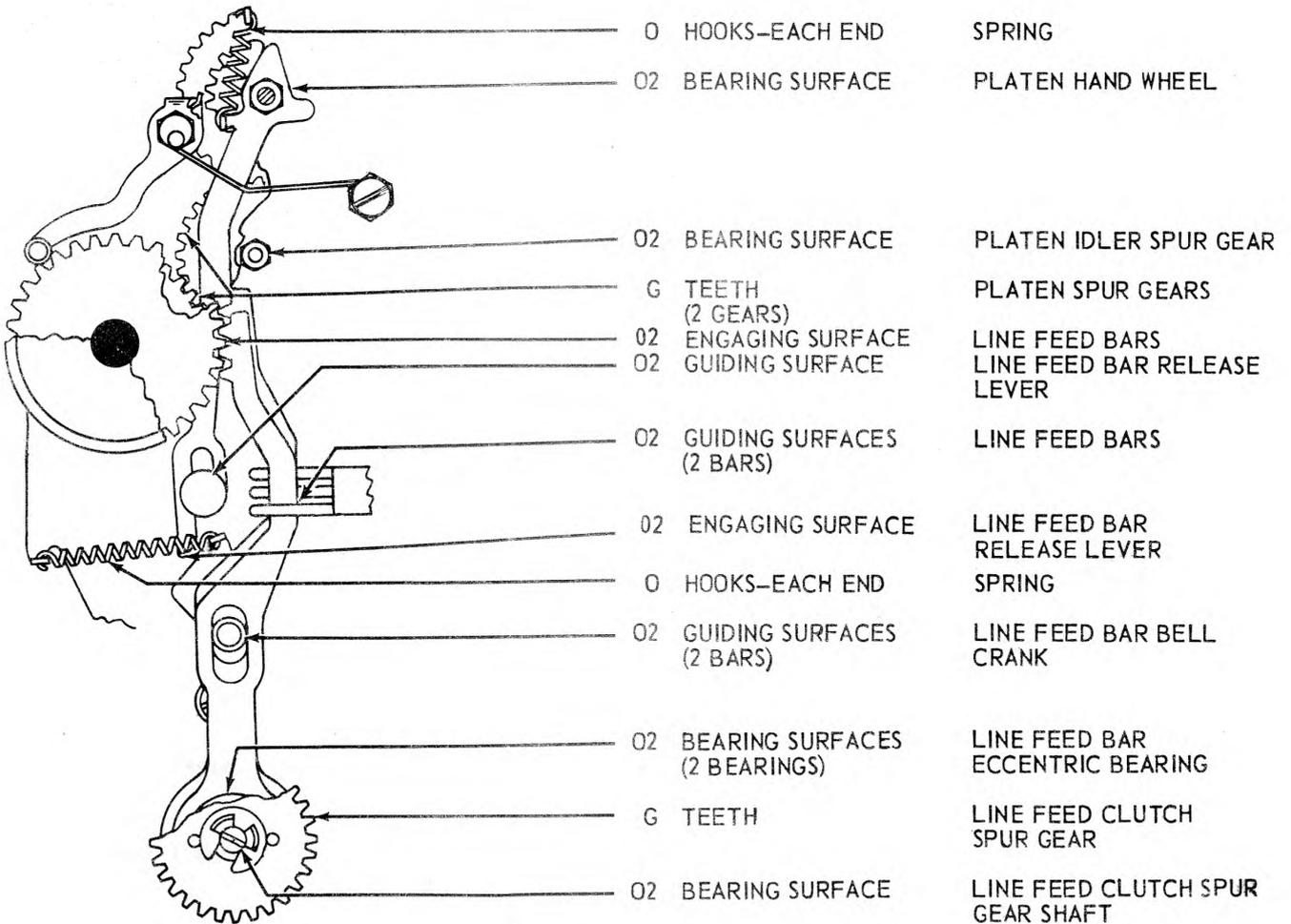


2.41 Shift Selector Mechanism continued

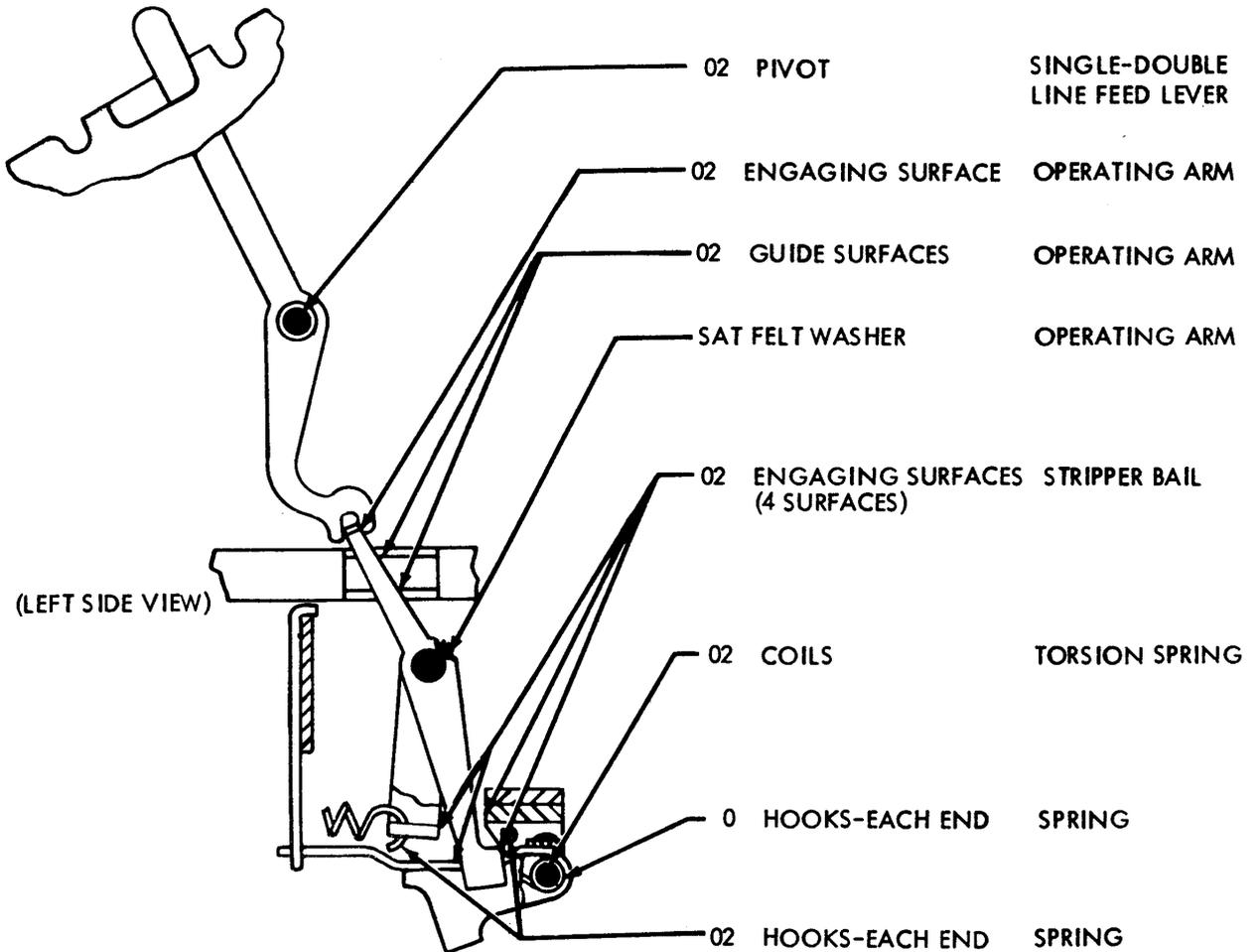




2.42 Line Feed Mechanism



2.43 Single-Double Line Feed Mechanism



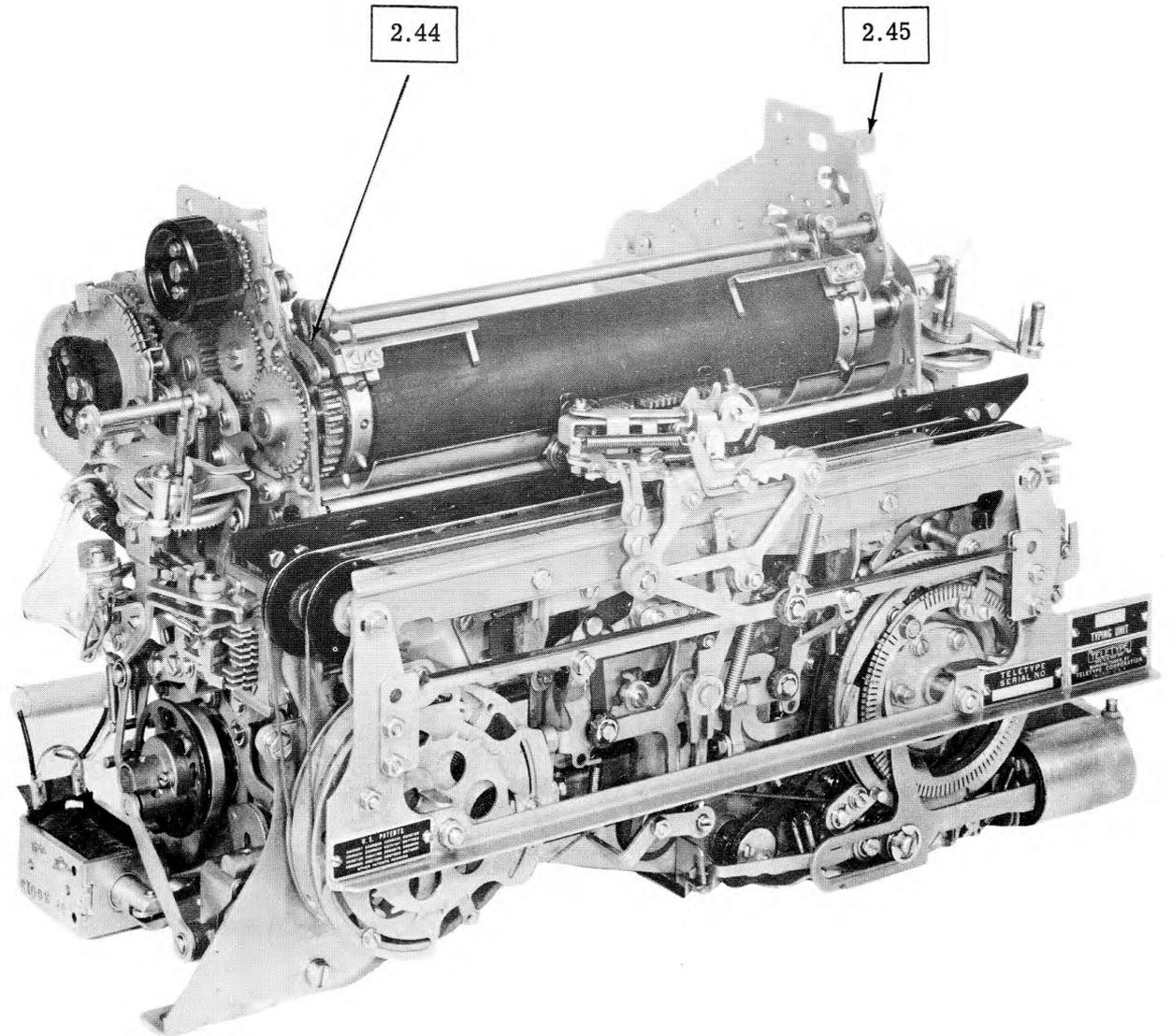
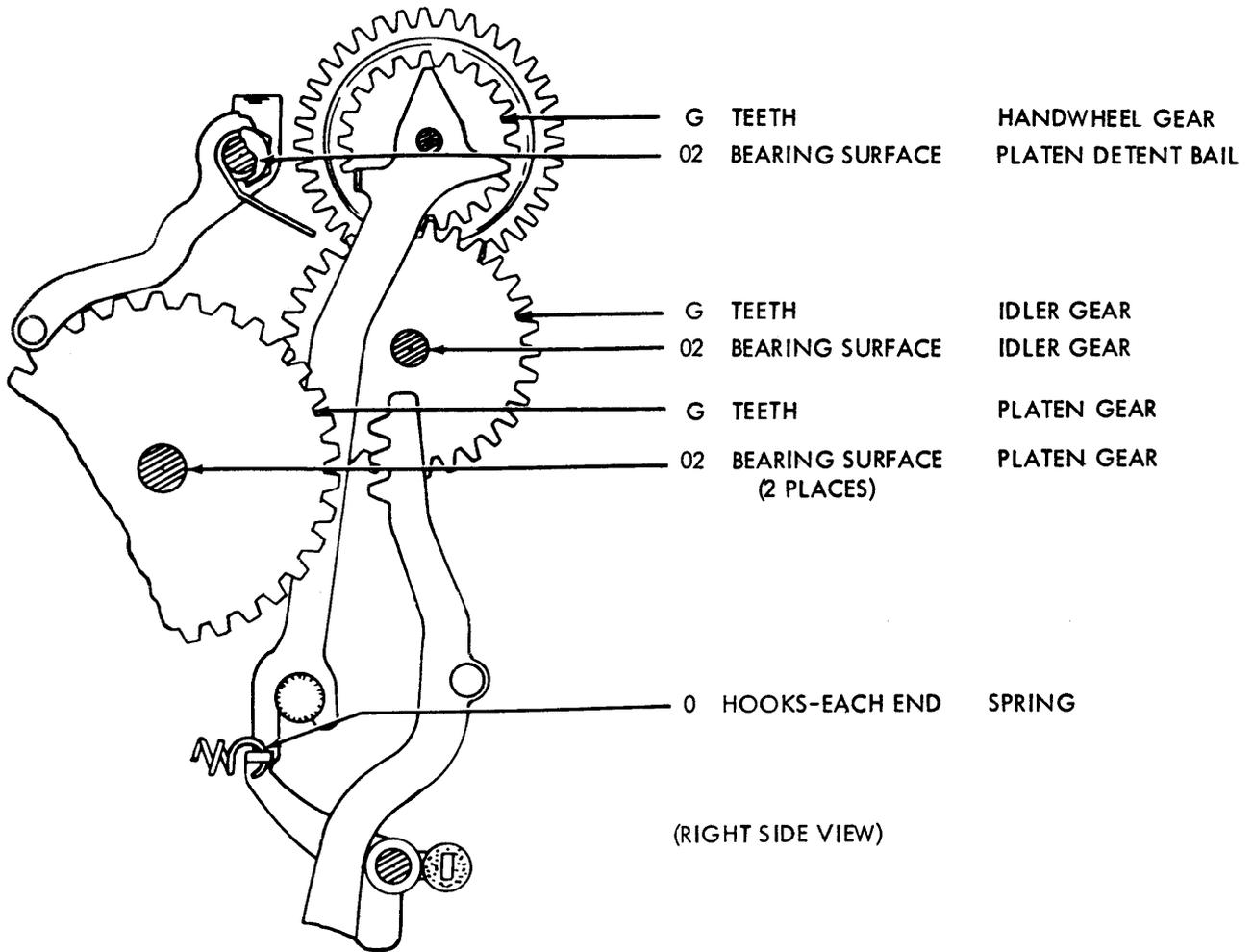
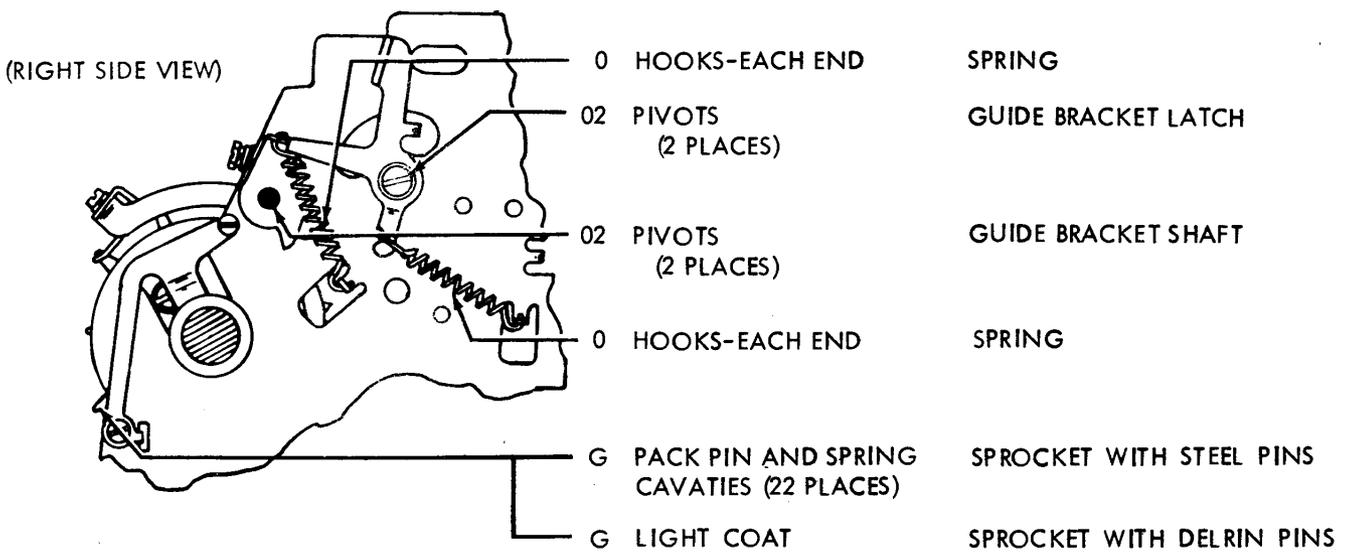


Figure 3 - 35 Typing Unit (Sprocket Feed), Left Front View

2.44 Line Feed Mechanism (Sprocket Feed)

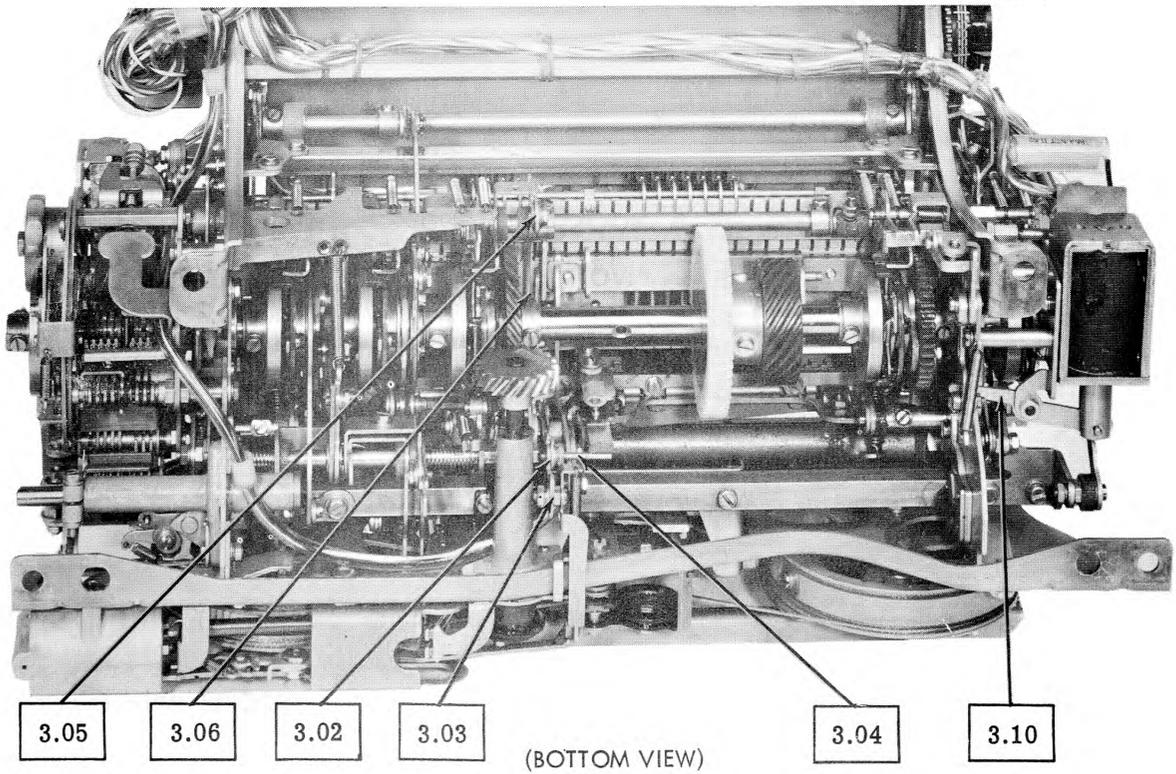
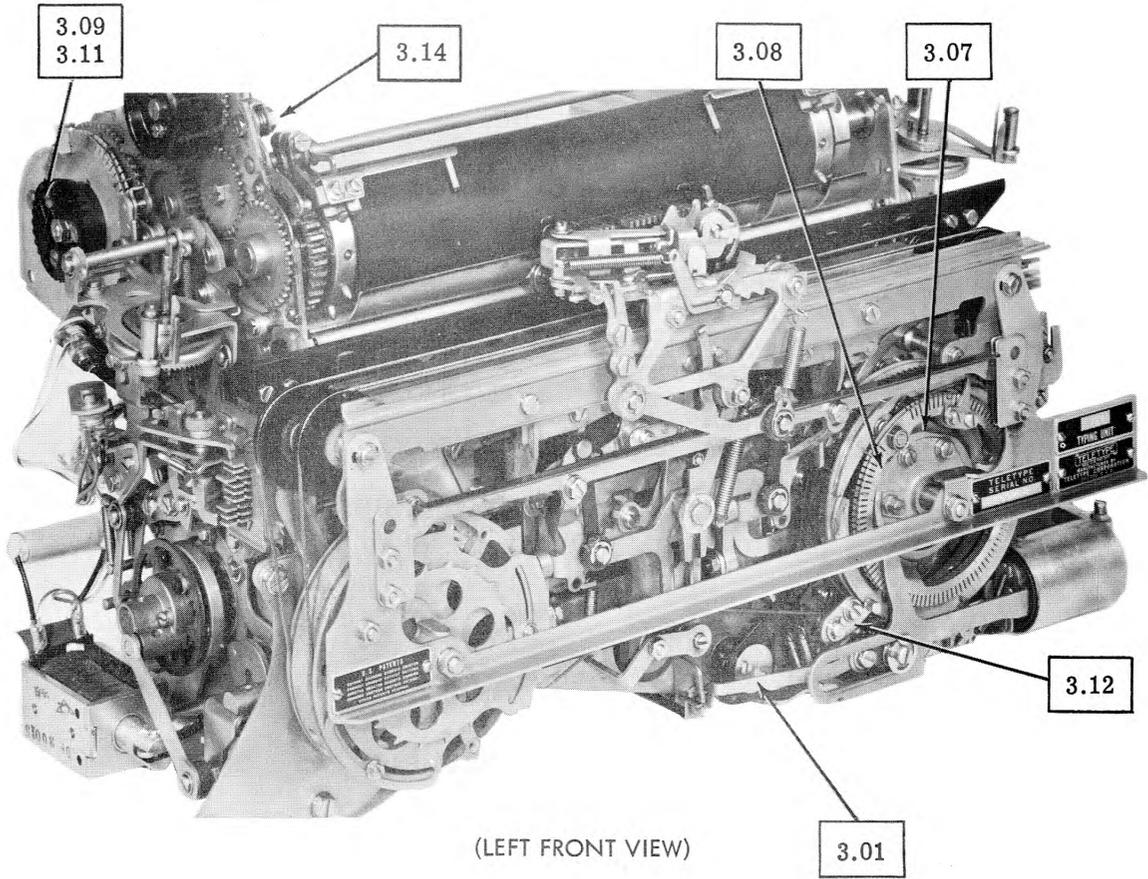


2.45 Sprocket-Feed Paper Mechanism

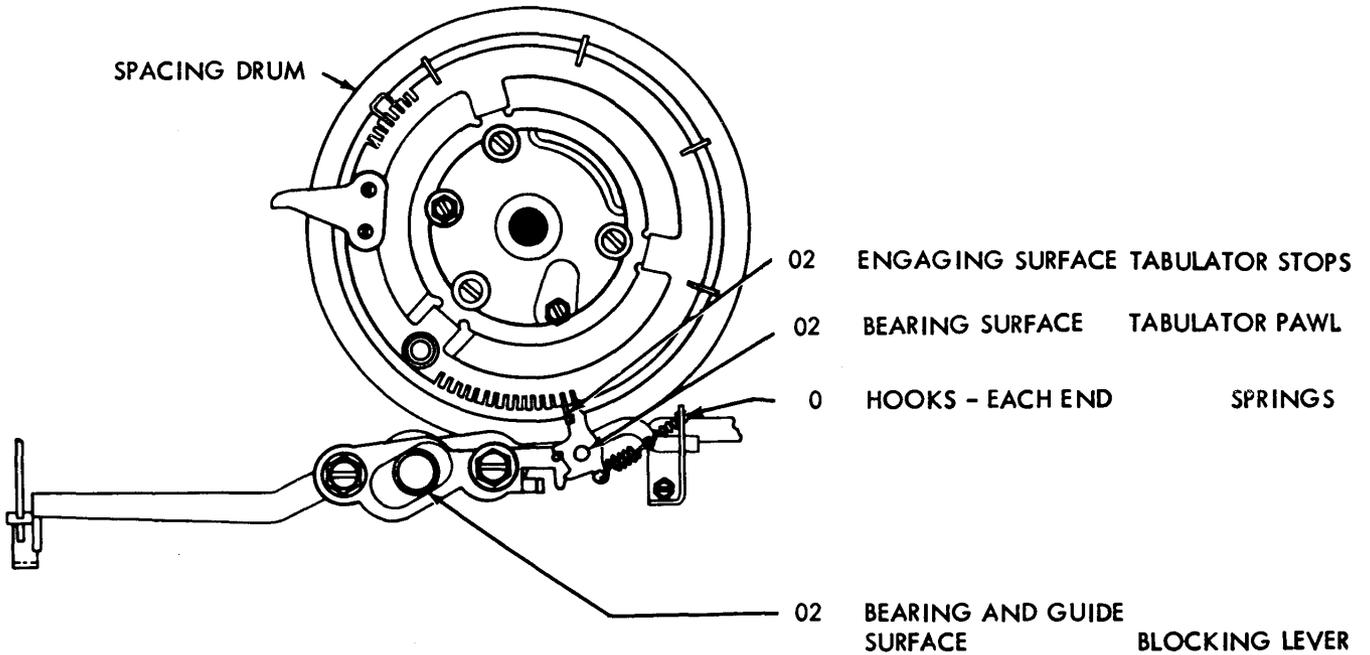


NOTE: BEFORE ATTEMPTING TO DISASSEMBLE THE 153700 PLATEN HUB, SEE DISASSEMBLY AND REASSEMBLY INSTRUCTIONS IN THE APPROPRIATE SECTION.

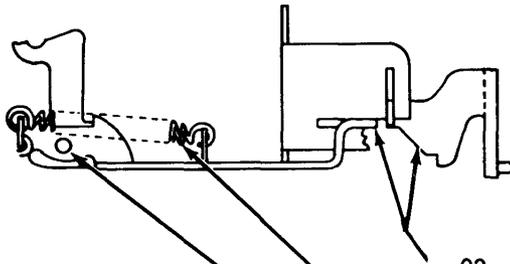
3. VARIABLE FEATURES



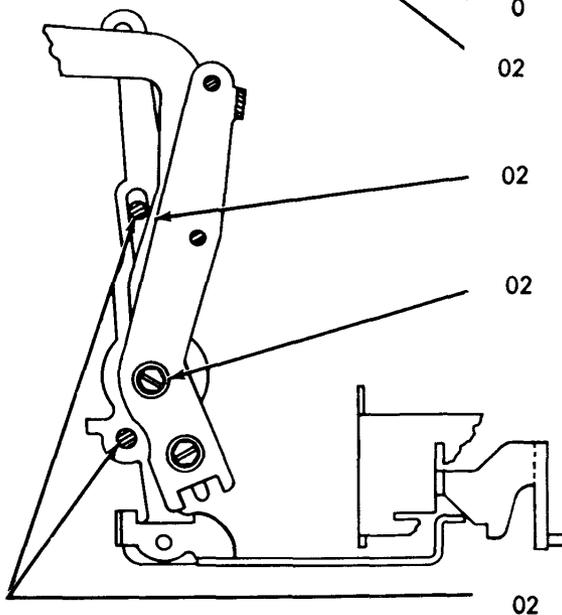
3.01 Horizontal Tabulator - Blocking Lever



3.02 Horizontal Tabulator - Slide Arm



3.03 Horizontal Tabulator - Operating Lever



OPERATING LEVER
SLIDE ARM

SLIDE ARM SPRING

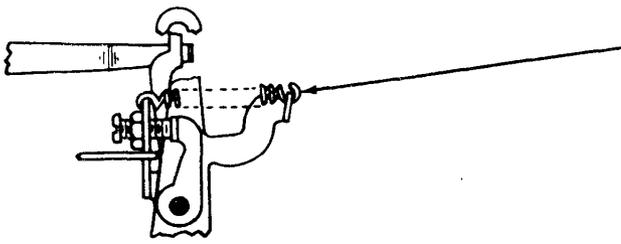
OPERATING LEVER
SLIDE ARM

OPERATING LEVER

TRIP LEVER ARM
LATCH BAIL

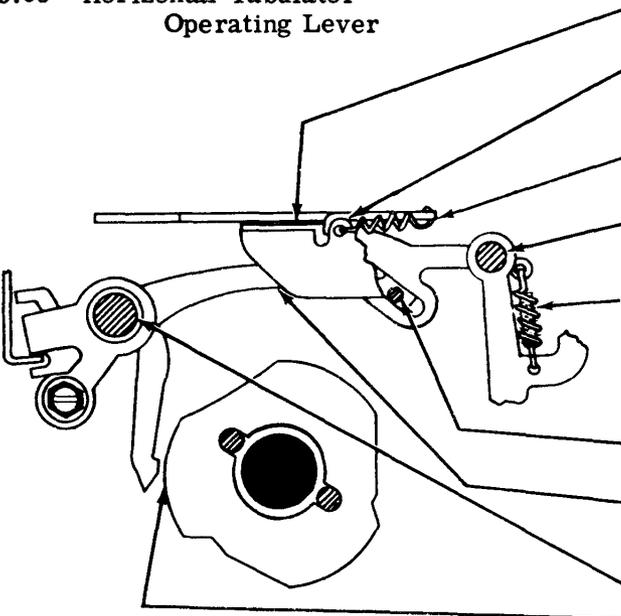
OPERATING LEVER

3.04 Horizontal Tabulator - Latch Bail



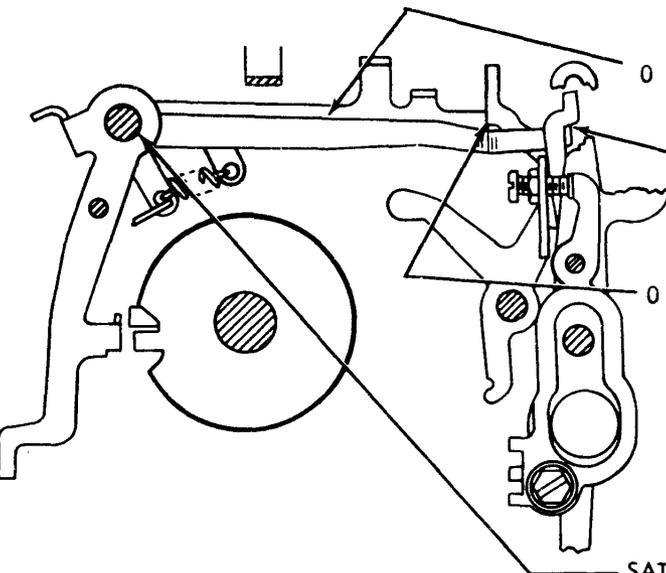
- 0 HOOKS - EACH END LATCH BAIL SPRING

3.05 Horizontal Tabulator - Operating Lever



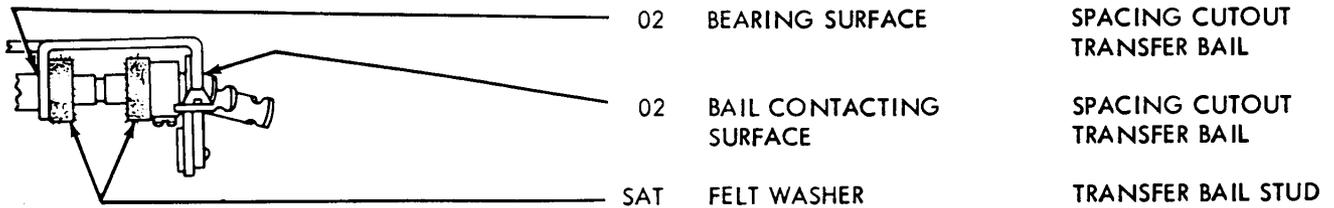
- 02 GUIDE SURFACES OPERATING LEVER
- 02 CONTACT WITH SLIDE ARM OPERATING LEVER
- 0 HOOKS - EACH END SLIDE ARM SPRING
- 02 BEARING SURFACE OPERATING LEVER
- SAT FELT WICK SPRING
- 02 SLOT CAMMING SURFACE OPERATING LEVER
- 02 BRACKET CONTACT SURFACE OPERATING LEVER
- SAT FELT WASHERS STRIPPER BAIL SHAFT
- G CAMMING SURFACE SPACING CLUTCH RESTORING CAM

3.06 Horizontal Tabulator - Intermediate Bail

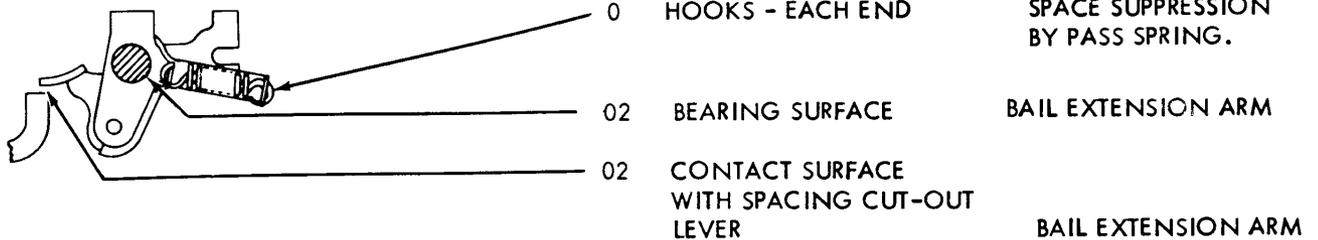


- 0 CONTACT SURFACE TRIP LEVER ARM INTERMEDIATE BAIL
- 02 CONTACTING SURFACE SPACING TRIP LEVER ARM
- 0 CONTACT SURFACE SPACING TRIP LEVER INTERMEDIATE BAIL
- SAT FELT WASHER TRIP LEVER ARM SHAFT

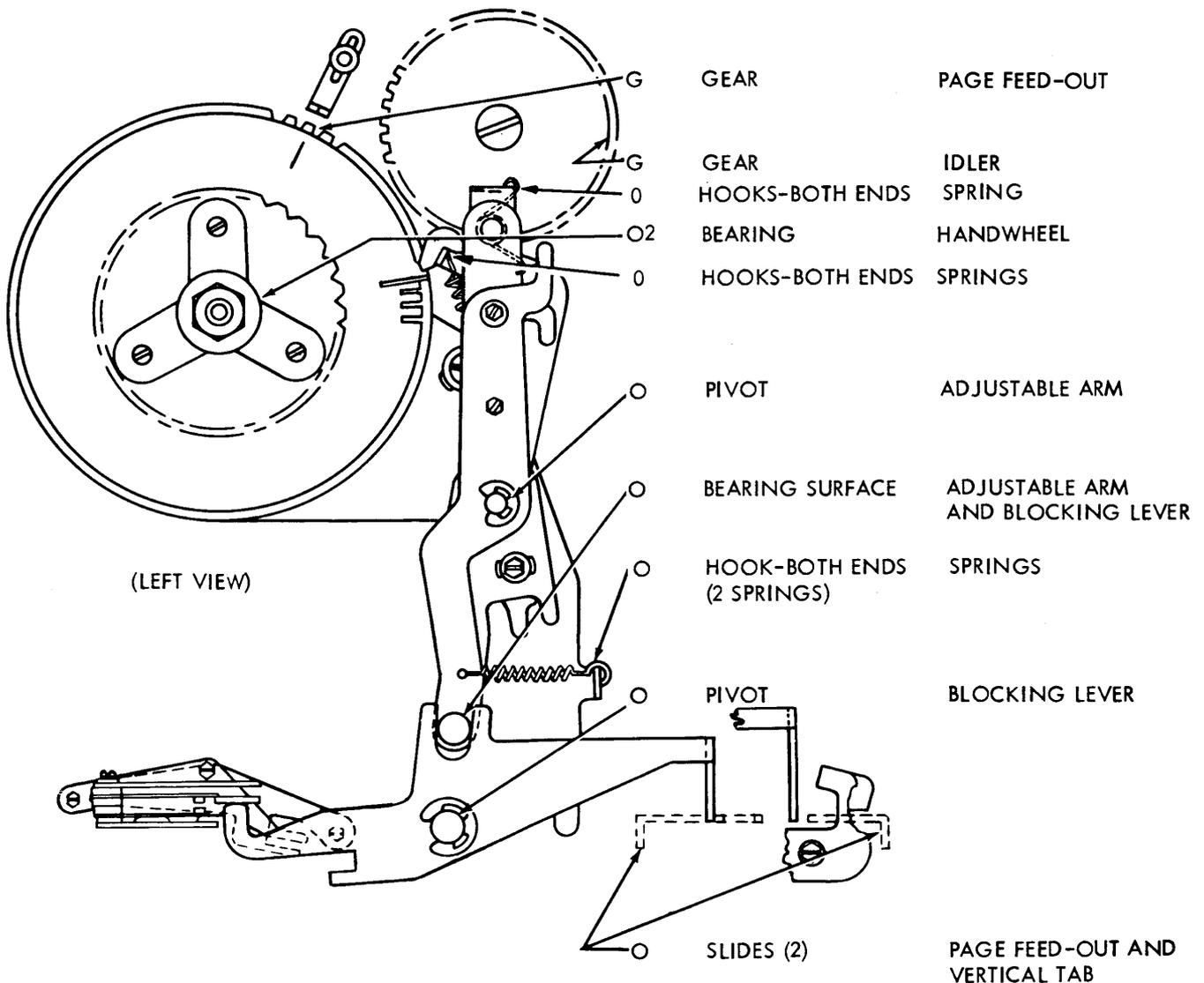
3.07 Bail Extension Arm



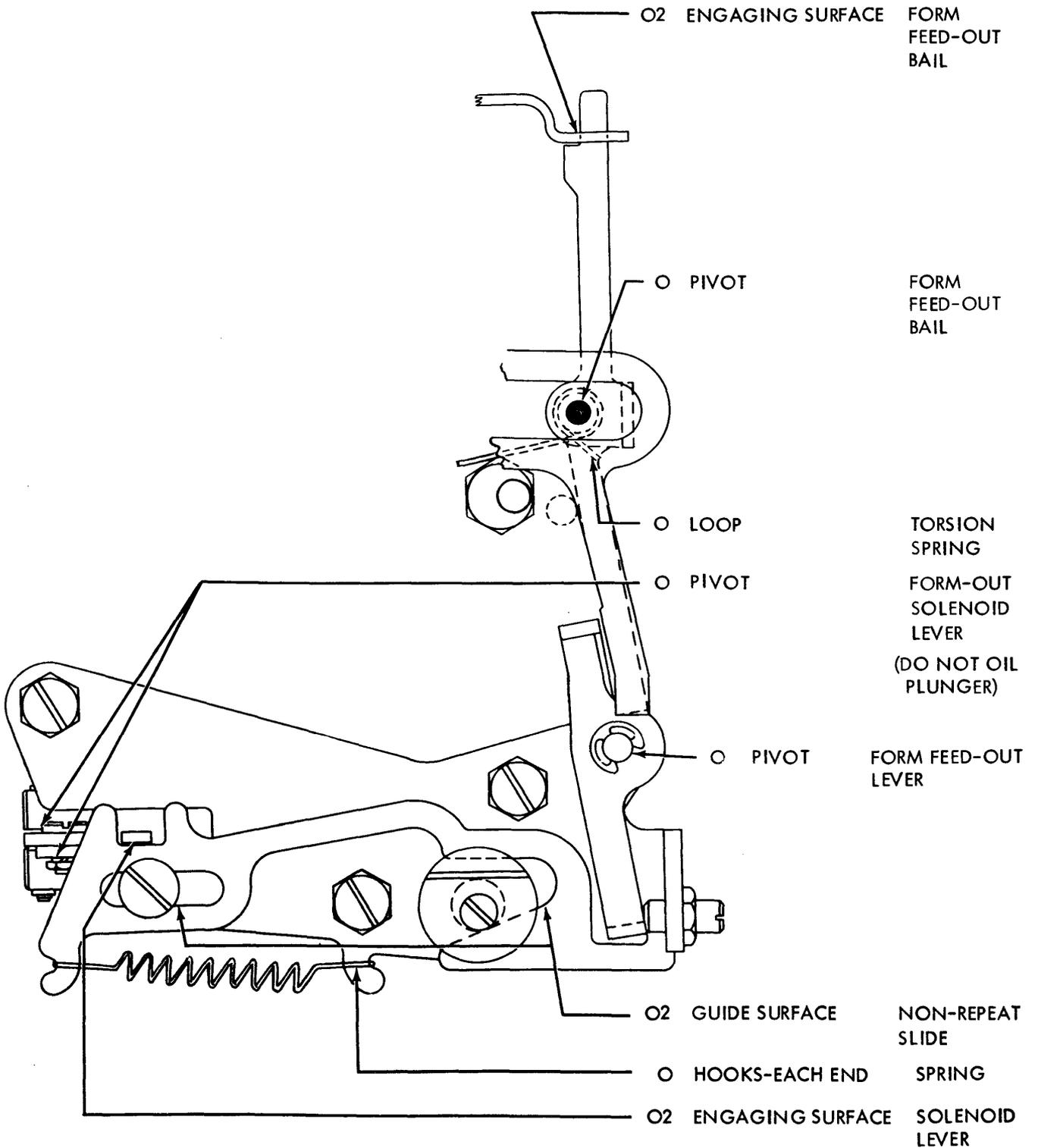
3.08 Spacing Cut-Out Transfer Bail



3.09 Vertical Tabulator and Transmitter Distributor Control Mechanism

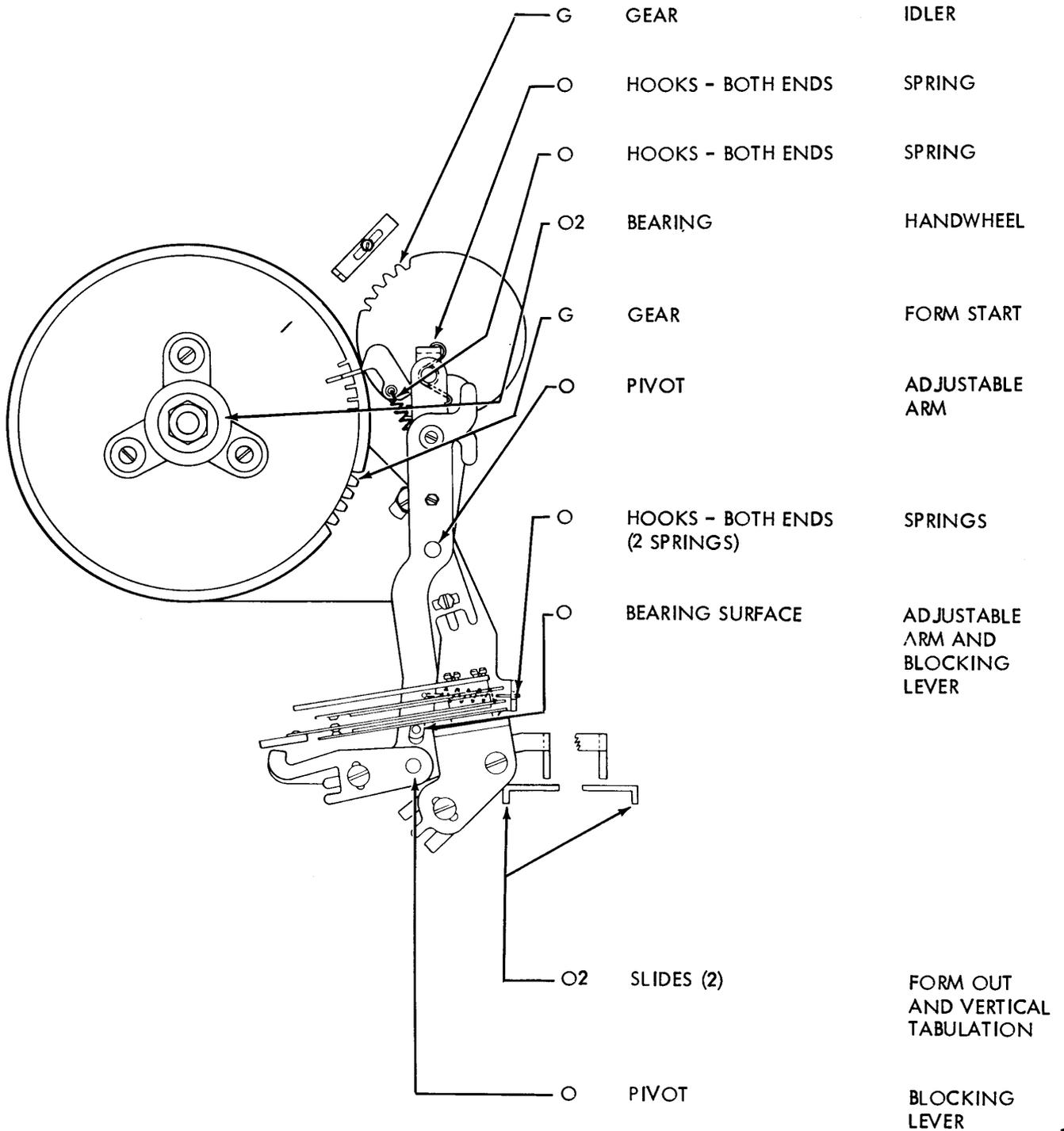


3.10 Form Feed-out Mechanism

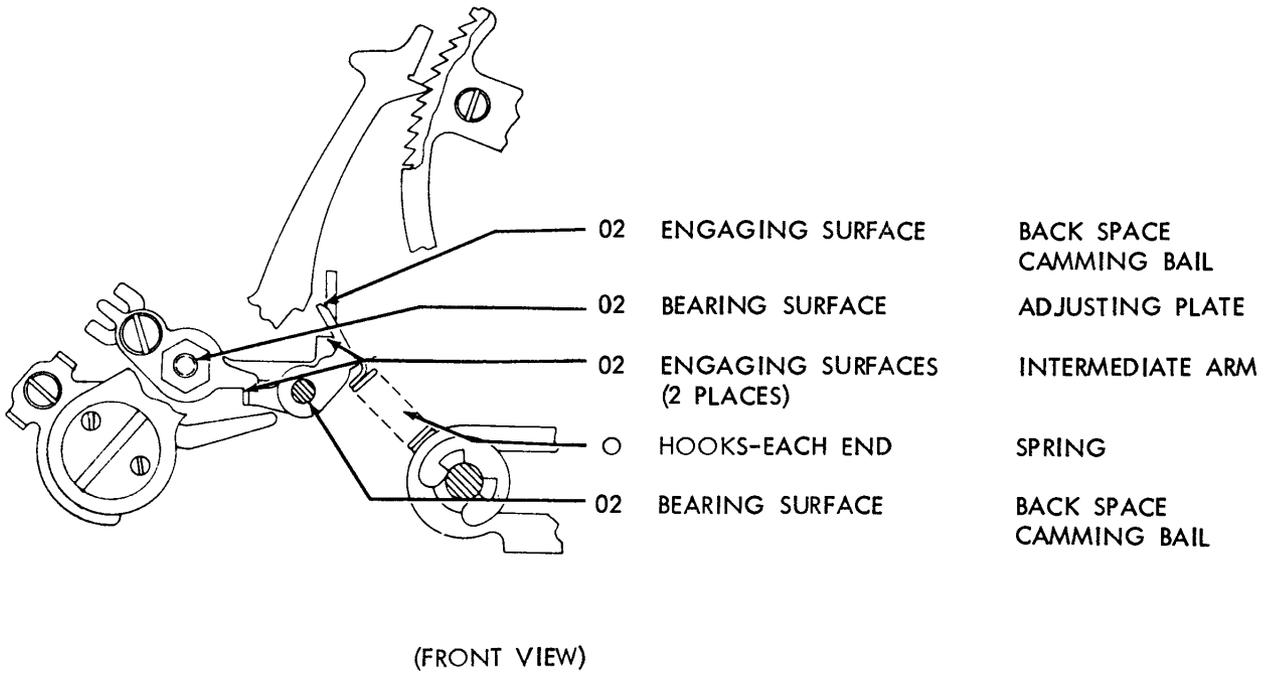


(LEFT FRAME VIEWED FROM RIGHT REAR)

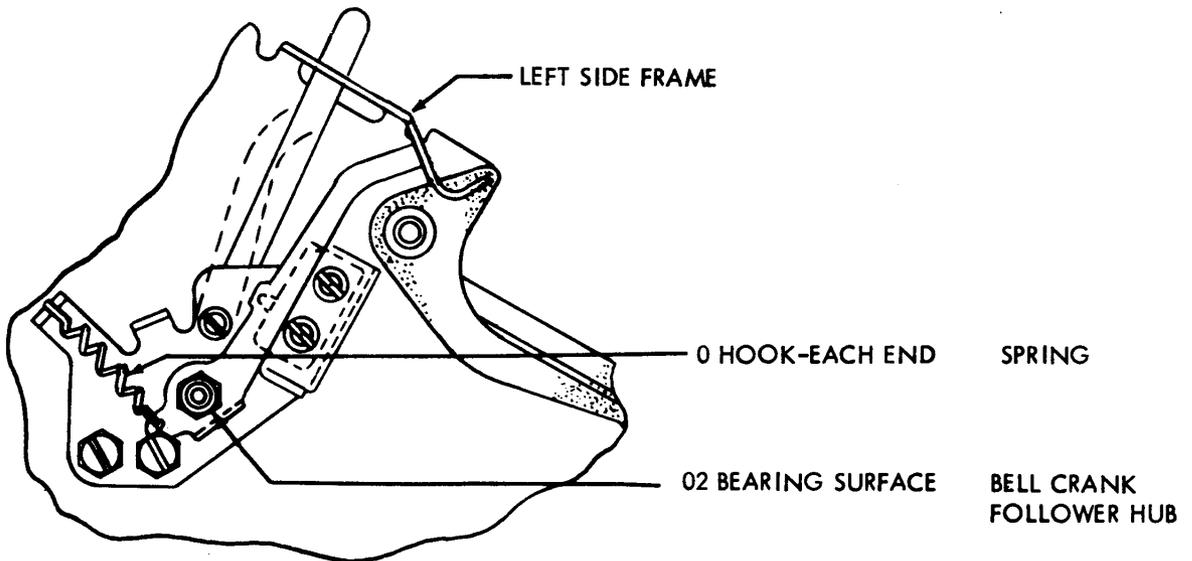
3.11 Vertical Tabulator Mechanism (For Switched Network Service)



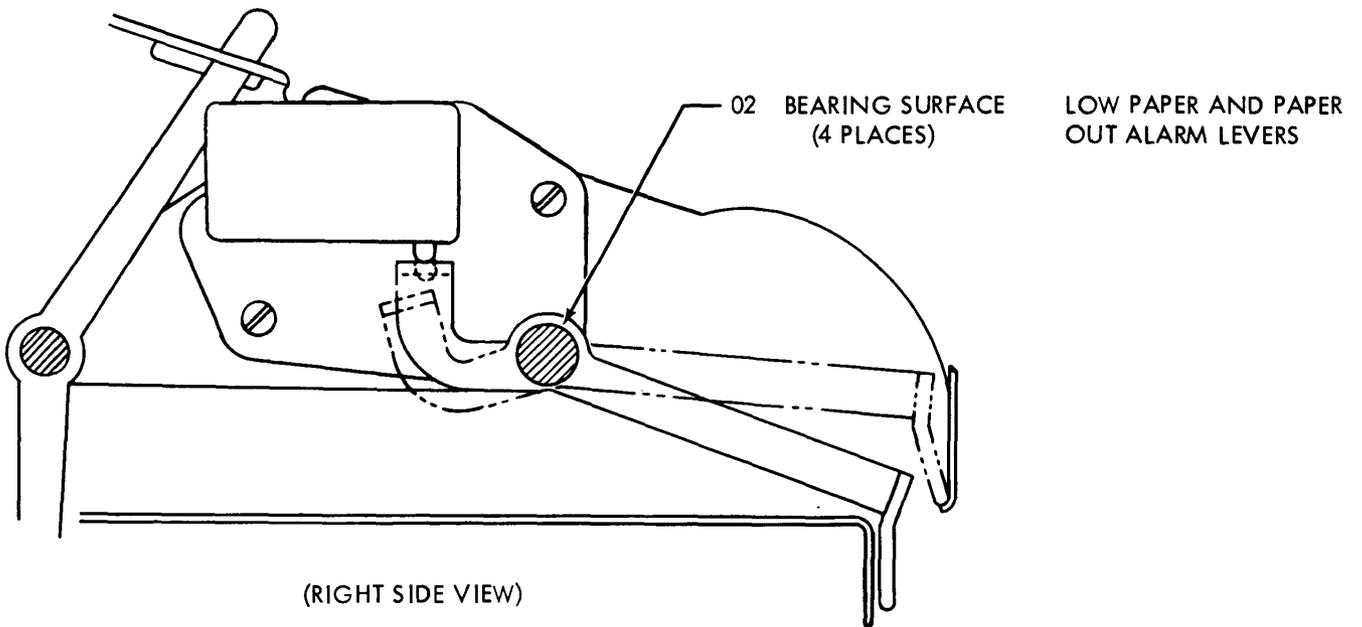
3.12 Local Back Space Mechanism



3.13 Paper-Out Alarm Mechanism (Friction Feed)



3.14 Low Paper and Paper Out Alarm Mechanism (Sprocket Feed)



3.15 Keyboard Lock Mechanism

