28 TYPING UNIT

LUBRICATION

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MECHANISM	47	1.01 This section provides lurequirements for the Model 2	
Operating mechanism	47	unit. It is reissued to include the la neering changes. Because the changes extensive, arrows normally used in the	test engi- are quite
PRINT SUPPRESSION AND OFF-LINE STUNT SHIFT CONTROL MECHANISM	58	indicate change have been omitted. T the typing unit from the teletypewriter to Section 573-115-702TC.	o remove
Shift mechanism	58		
REVERSE LINE FEED		1.02 Lubrication of the typing ur sented by mechanisms. Pho- show numbered callouts which corre	otographs
MECHANISM	44	paragraphs containing line drawings. T	These line
Line feed mechanism		drawings show the specific points of each nism to be lubricated.	in mecha-
SELECTIVE CALLING MECHANISM	7,39,40	1.03 References to front, rear, le etc, apply to the typing unit by the operator facing the unit.	
Clutch suppression mechanism			
Function reset bail mechanism Shift and stripper bail mechanisms		1.04 Lubricate the typing unit just placing it in service. After 30	00 to 500
Single-double line feed	20	operating hours, relubricate the typ Recheck all clutch gaps; reset if necessar	
mechanism		after, use the following lubrication interv	

LUBRICATION INTERVAL

(Based on 5-Day Week)

Daily Operation of Keyboard				
Speed (wpm)	0-8 hrs	8-16 hrs	16-24 hrs	
60	52 wks	39 wks	26 wks	
66	52 wks	39 wks	26 wks	
7 5	52 wks	39 wks	26 wks	
100	39 wks	26 wks	13 wks	
Newly Installed Equipment (All Speeds)	3 wks	2 wks	1 wk	

Note: For a 6-day week operation, reduce lubrication intervals 15 percent. For a 7-day week operation, reduce lubrication intervals 30 percent.

1.05 Apply KS7470 oil wherever the use of oil is indicated. Apply KS7471 grease on all surfaces wherever indicated. Whenever

clutches are disassembled, apply a thin coat of grease to the shoe lever spring loops, and oil to the internal mechanisms. Fill lubricator reservoir at indicated intervals.

<u>CAUTION</u>: DISCONNECT POWER BEFORE APPLYING ANY LUBRICANT.

1.06 Apply a thick film of grease to all gears and the spacing clutch trip cam plate. Apply oil to all cams, including the camming surfaces of each clutch disc. The following symbols apply to the lubrication points in each paragraph.

SYMBOL	MEANING		
o –	Apply KS7470 oil		
G –	Apply KS7471 grease		
SAT $-$	Saturate with KS7470 oil		

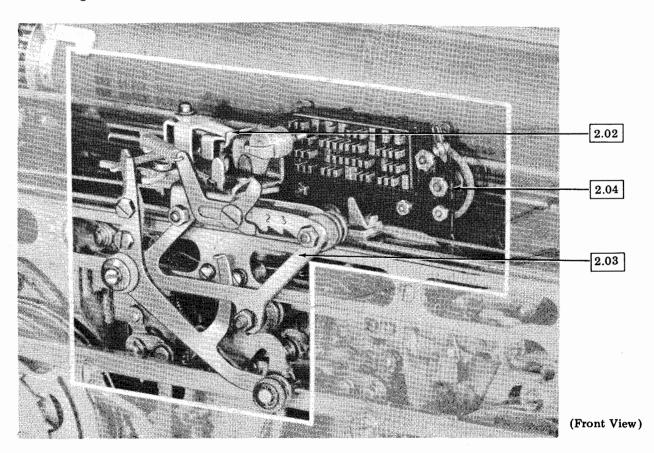
1.07 Lubricate the typing unit thoroughly.

Saturate all felt washers and oilers, and apply oil to each end of all springs. Apply oil to points where it will adhere and not run off. Avoid overlubrication. Keep electrical contacts and wire insulations free of lubricants. In general, apply oil to all bearings, wicks, and locations where parts rub, slide, or move with respect to each other. Apply grease to gear teeth and points of heavy pressure.

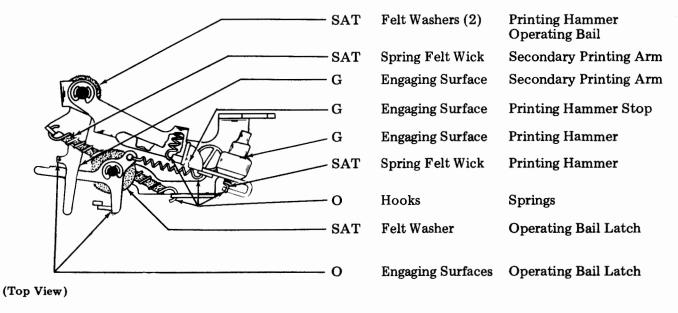
2. BASIC UNIT

COMMON AREAS

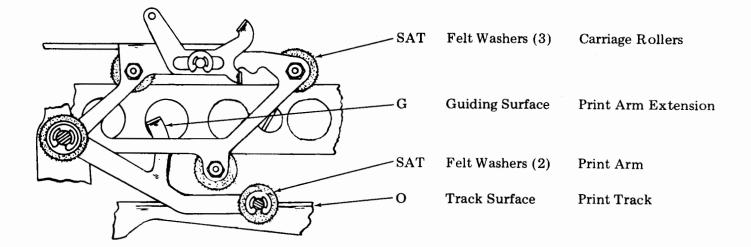
2.01 Printing Area



2.02 Printing Mechanism

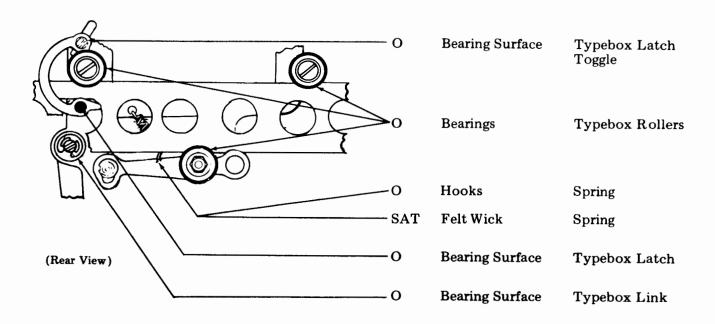


2.03 Printing Mechanism (continued)

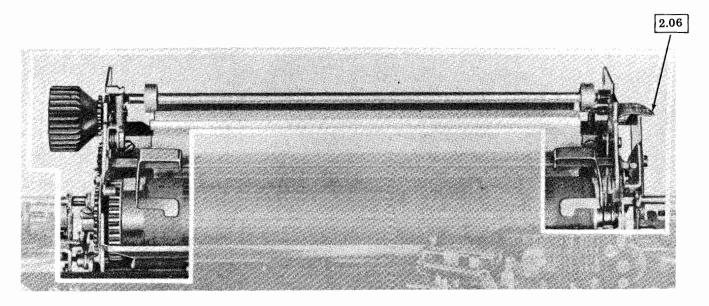


(Front View)

2.04 Typebox Carriage Mechanism

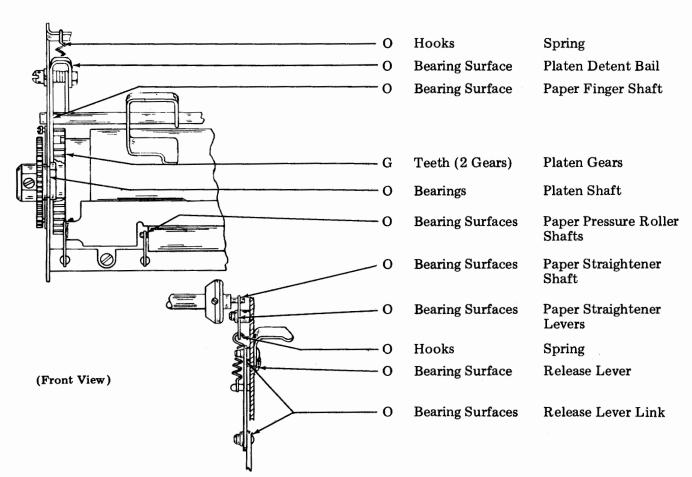


2.05 Paper Feed Area

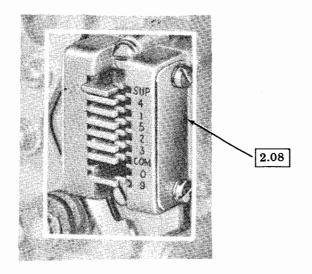


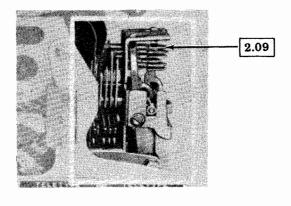
(Front View)

2.06 Paper Feed Mechanism



2.07 Codebar Area

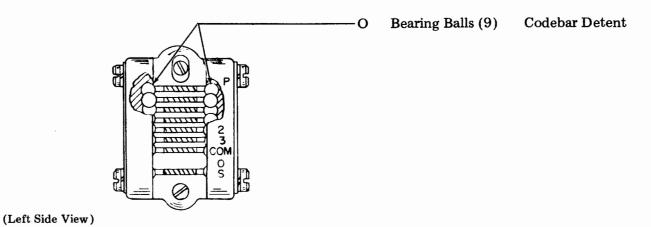




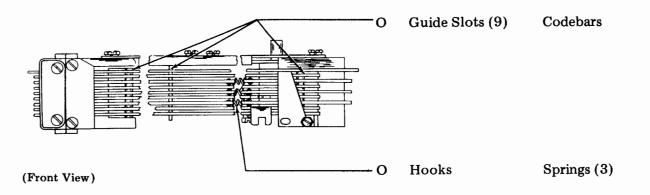
(Left Front View)

(Front View)

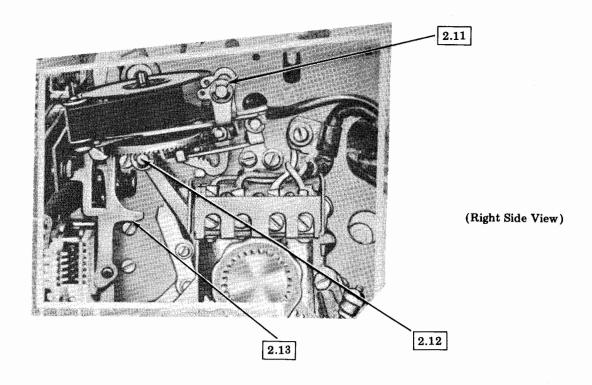
2.08 Codebar Detents



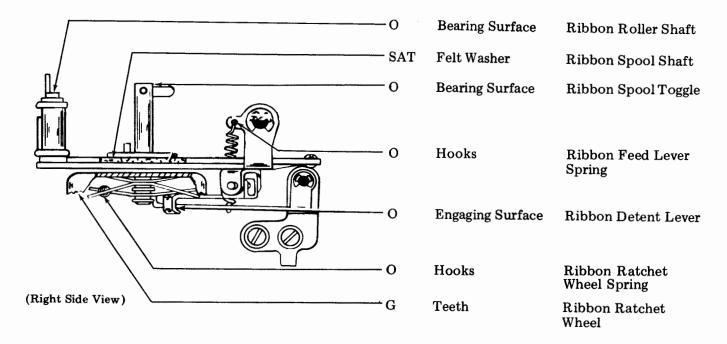
2.09 Codebar Mechanism



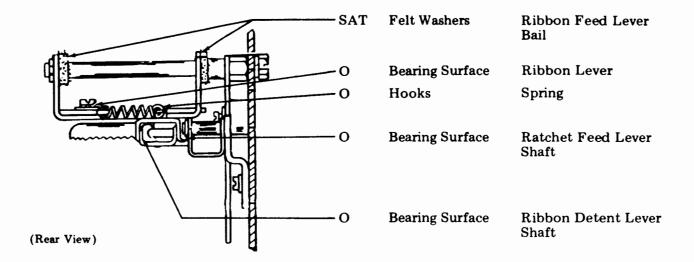
2.10 Ribbon Area

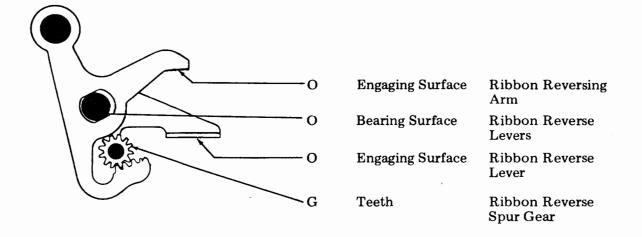


2.11 Ribbon Feed Mechanism



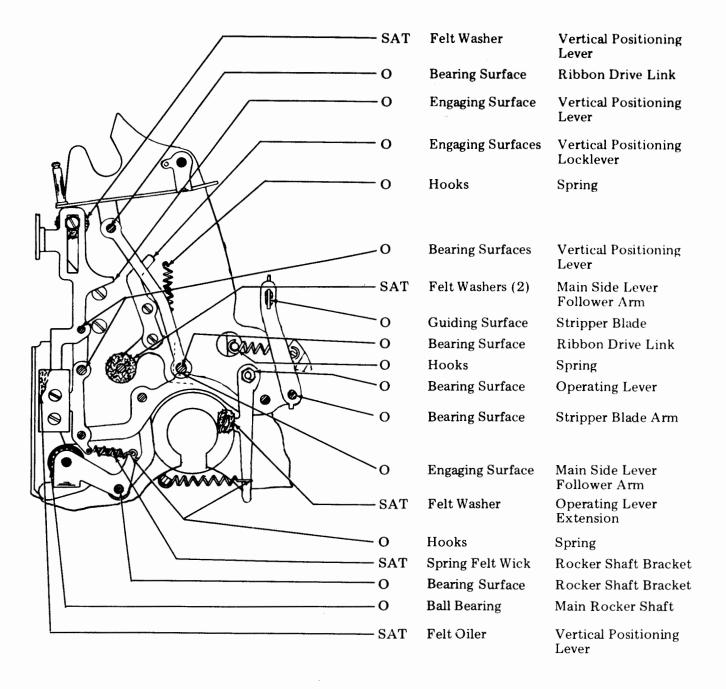
2.12 Ribbon Feed Mechanism (continued)





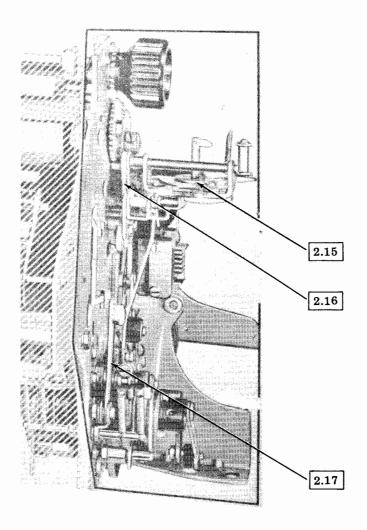
(Right Side View)

2.13 Vertical Positioning Mechanism



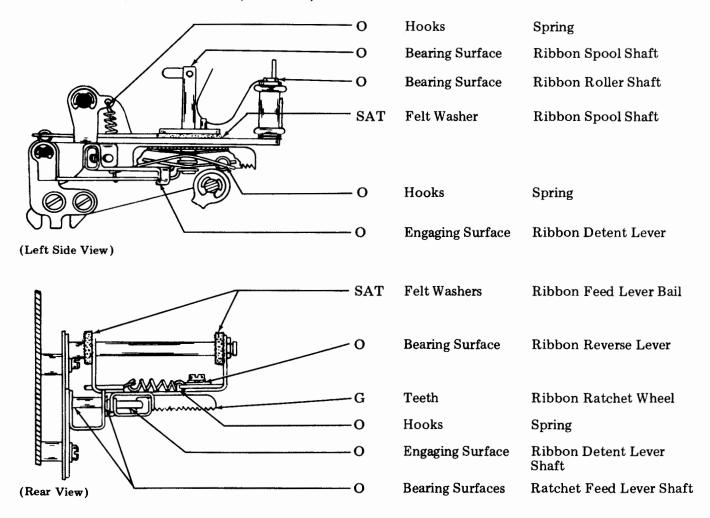
(Right Side View)

2.14 Ribbon Area (continued)

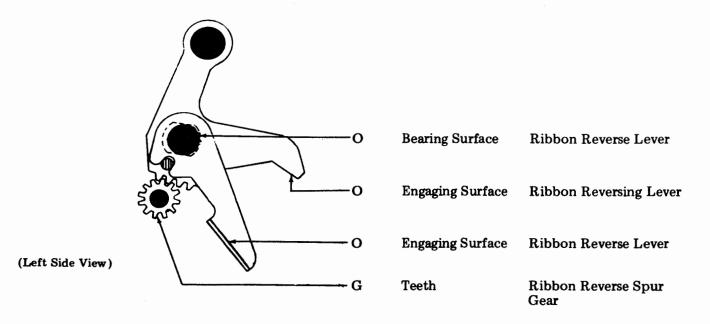


(Left Rear View)

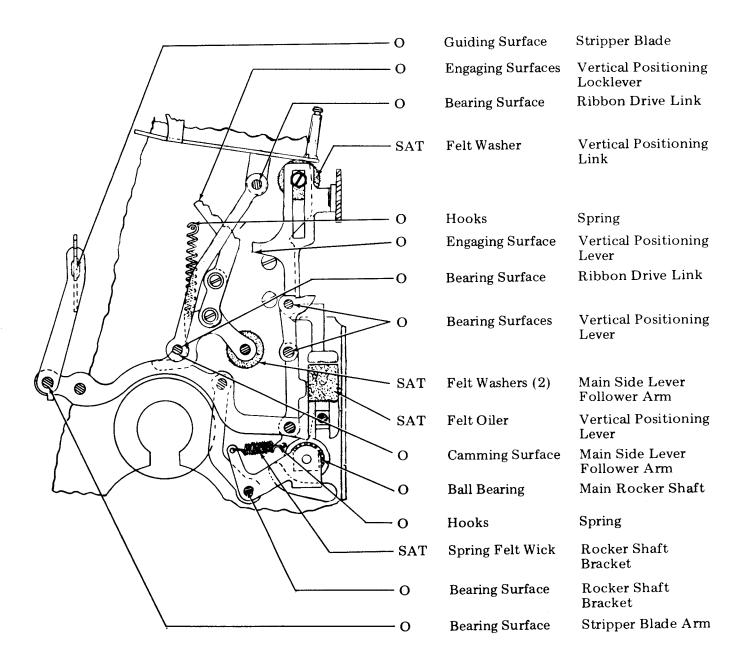
2.15 Ribbon Feed Mechanism (continued)



2.16 Ribbon Feed Mechanism (continued)

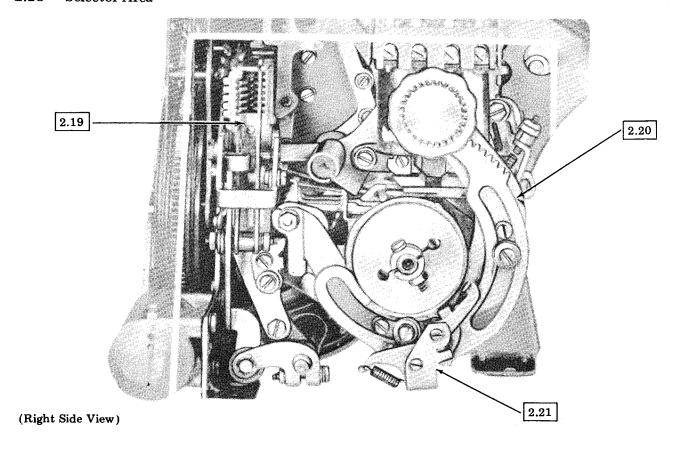


2.17 Vertical Positioning Mechanism (continued)

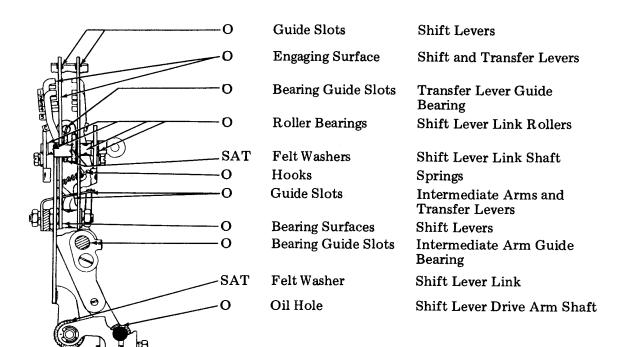


(Left Side View)

2.18 Selector Area

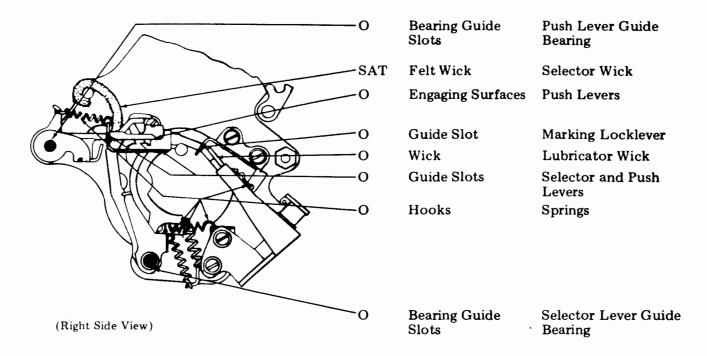


2.19 Codebar Mechanism (continued)

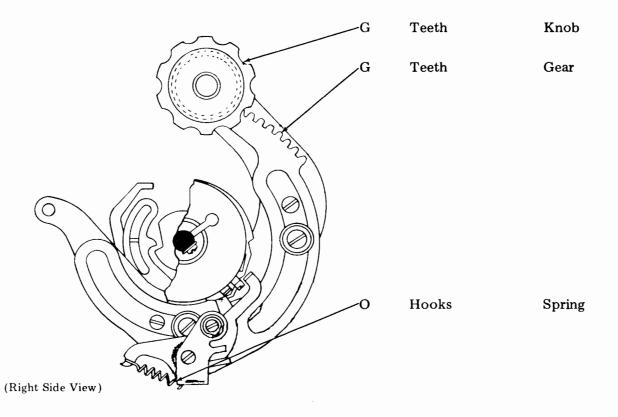


(Right Side View)

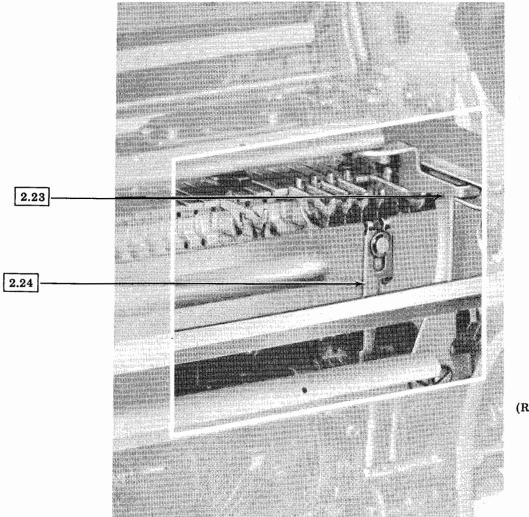
2.20 Selector Mechanism



2.21 Selector Mechanism (continued)

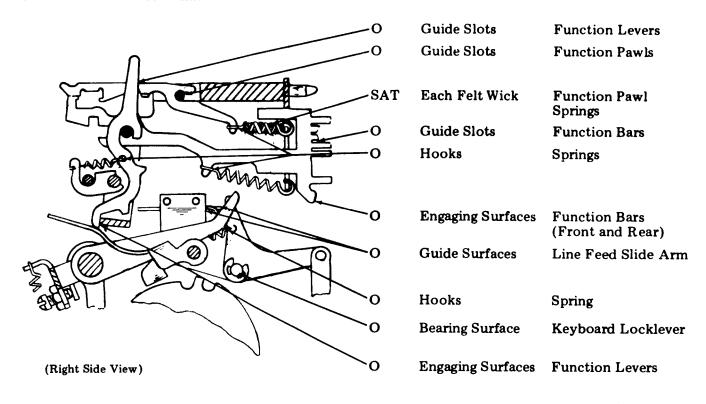


2.22 Function Area

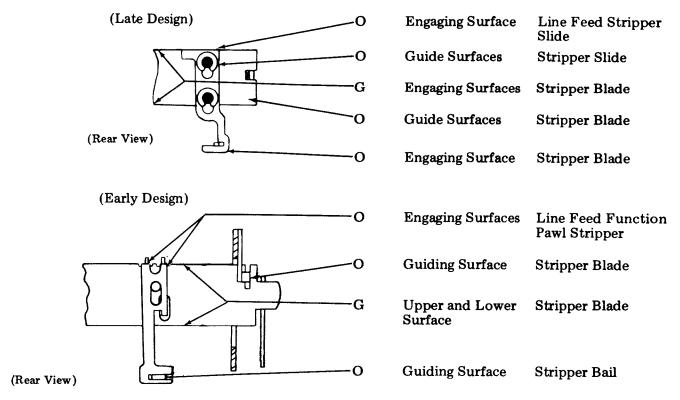


(Rear View)

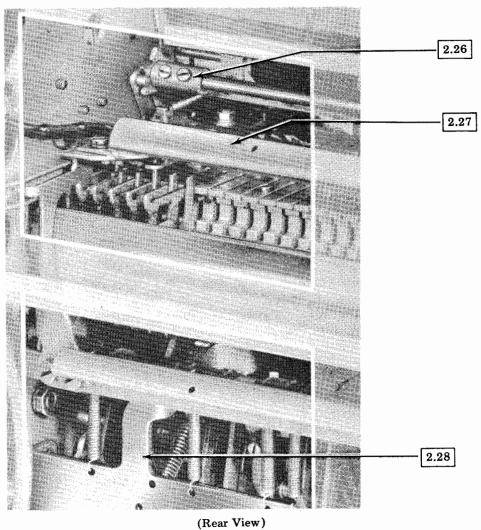
2.23 Stunt Box Mechanism



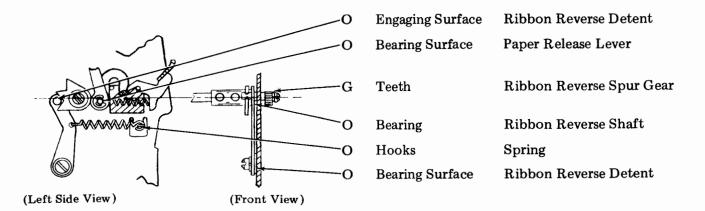
2.24 Stripper Blade Mechanism



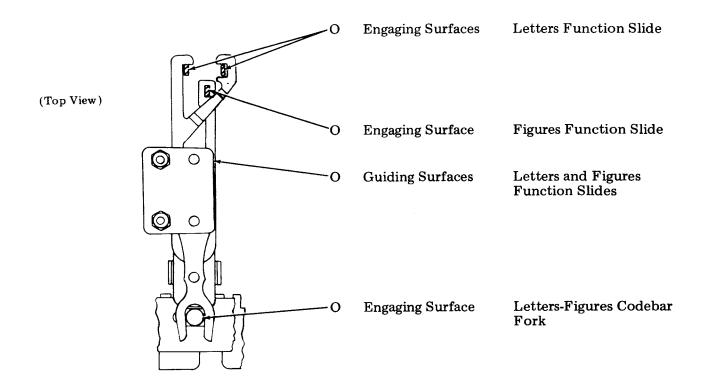
2.25 Function Area (continued)



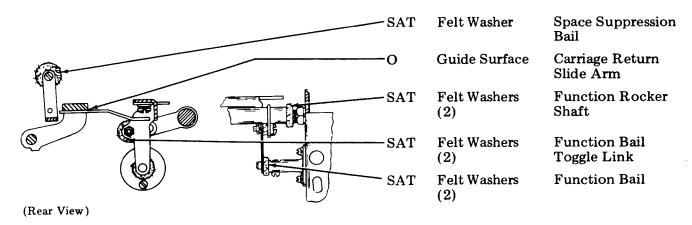
2.26 Ribbon Reverse Mechanism



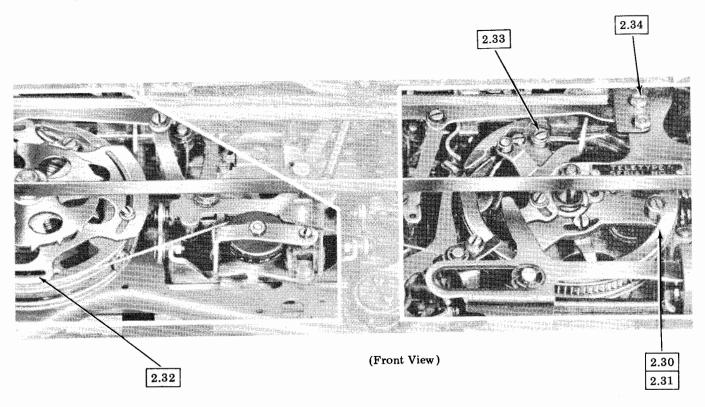
2.27 Shift Mechanism



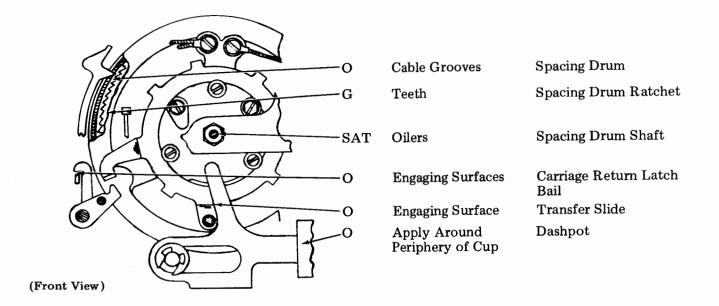
2.28 Function Rocker Shaft Mechanism



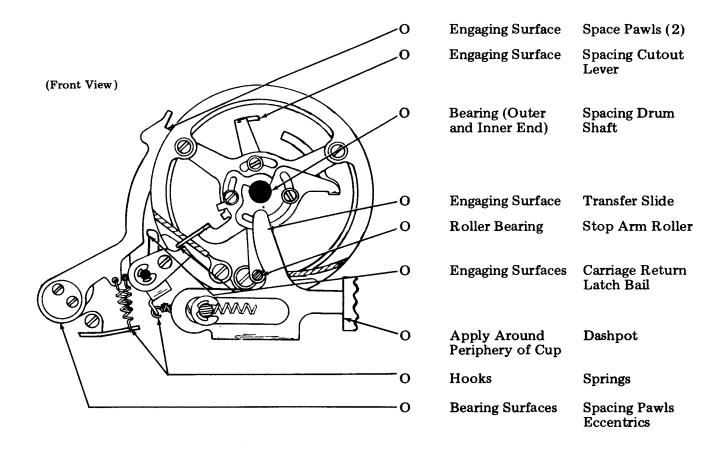
2.29 Spacing Area

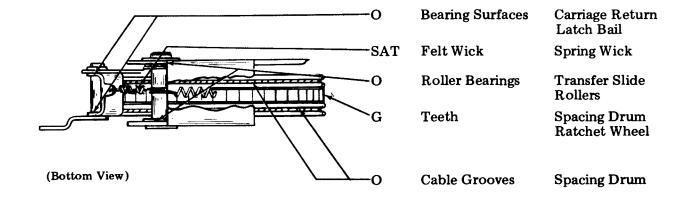


2.30 Spacing Drum Drive Mechanism (Late Design)

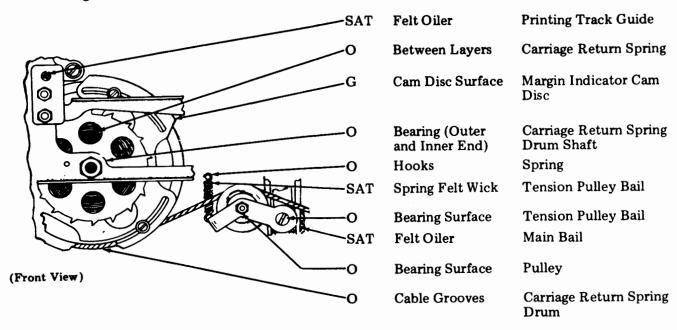


2.31 Spacing Drum Drive Mechanism (Early Design)

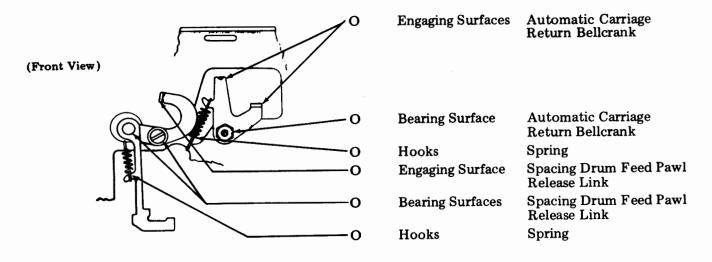




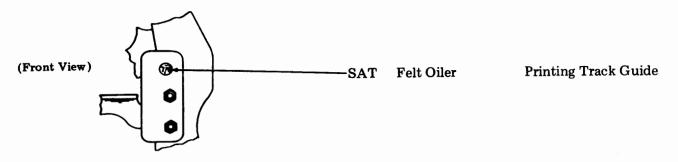
2.32 Carriage Return Mechanism



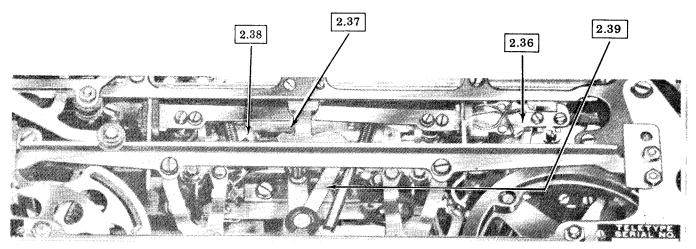
2.33 Spacing Drum Feed Mechanism



2.34 Track Guide Mechanism

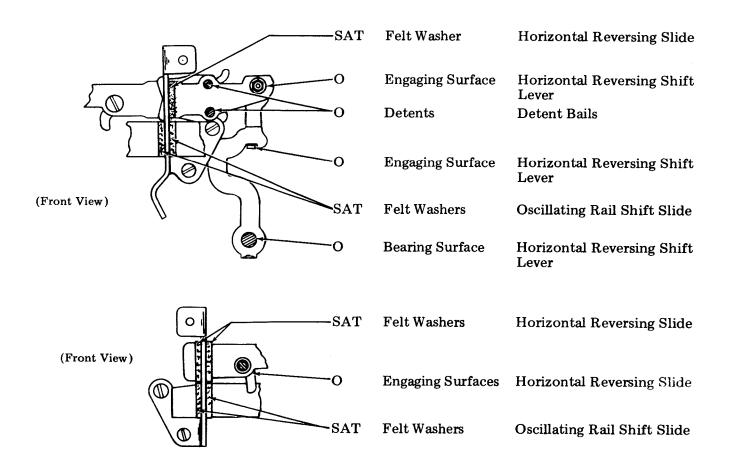


2.35 Horizontal Positioning Area

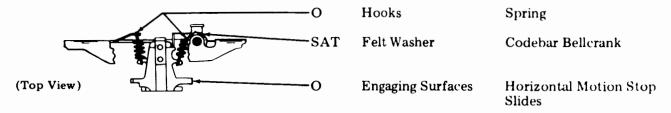


(Front View)

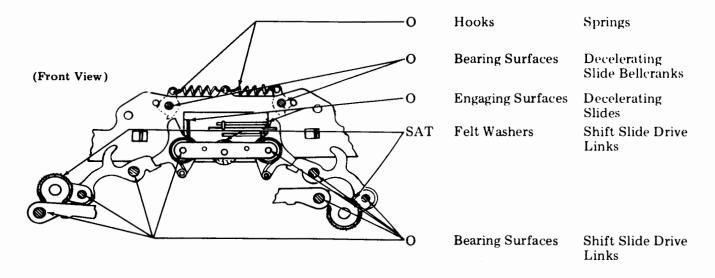
2.36 Horizontal Positioning Mechanism



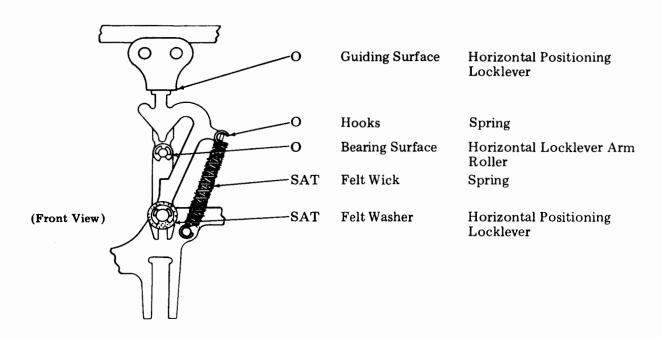
2.37 Horizontal Positioning Mechanism (continued)



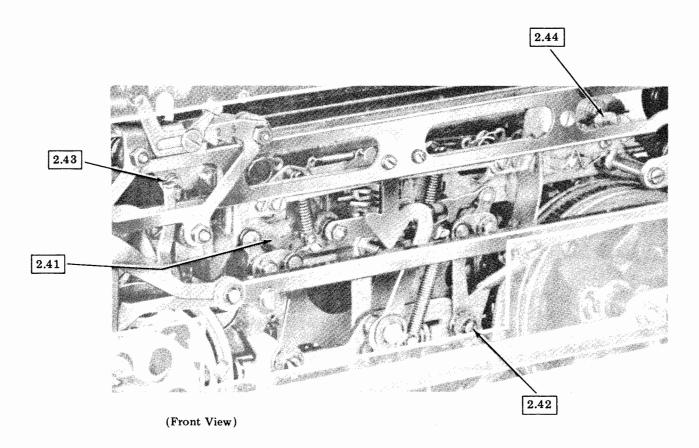
2.38 Horizontal Positioning Mechanism (continued)



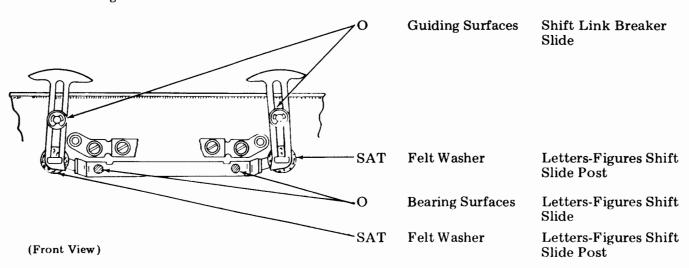
2.39 Horizontal Positioning Mechanism (continued)



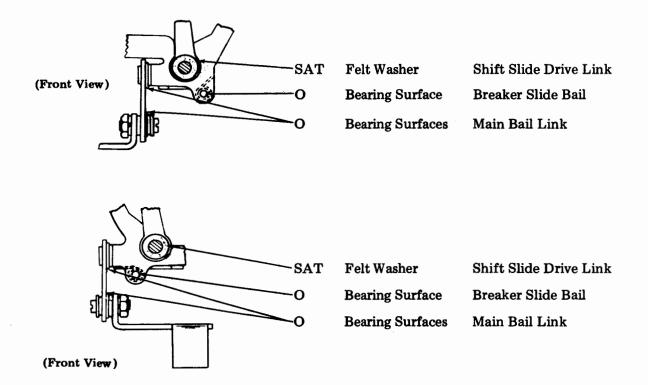
2.40 Letters-Figures Shift Area



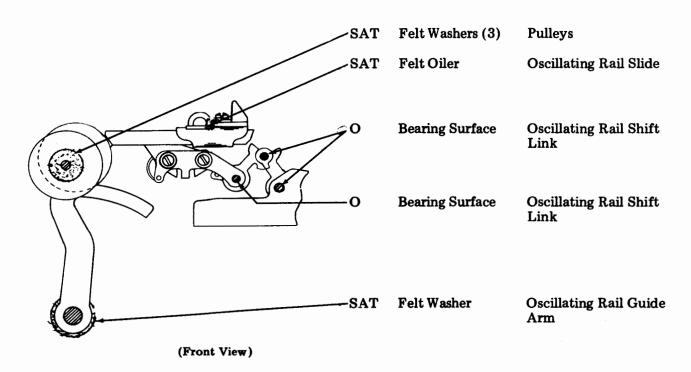
2.41 Letters-Figures Shift Mechanism



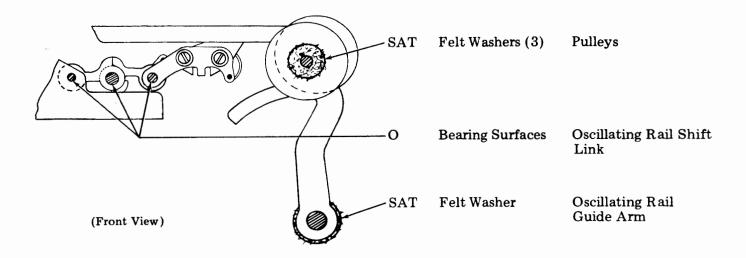
2.42 Letters-Figures Shift Mechanism (continued)



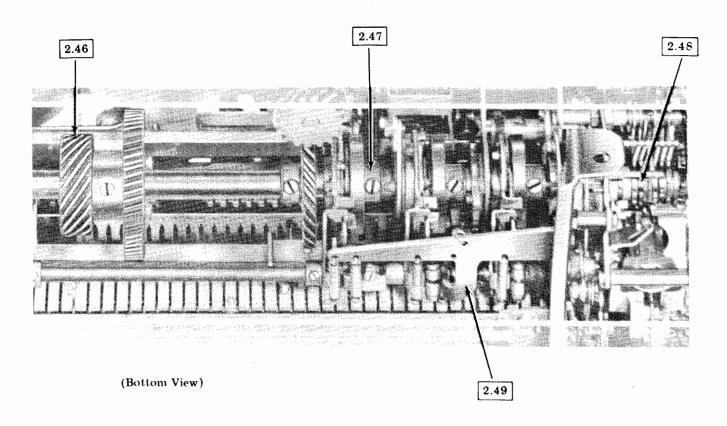
2.43 Oscillating Mechanism



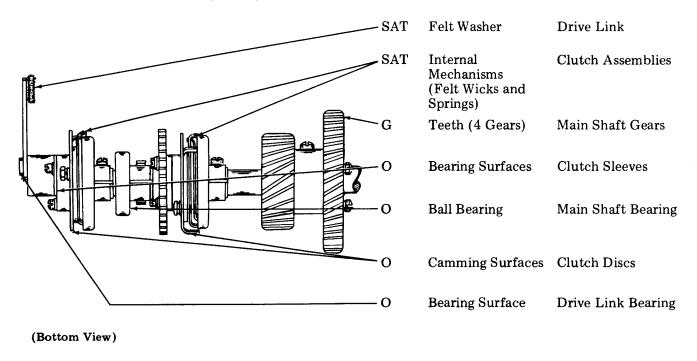
2.44 Oscillating Mechanism (continued)



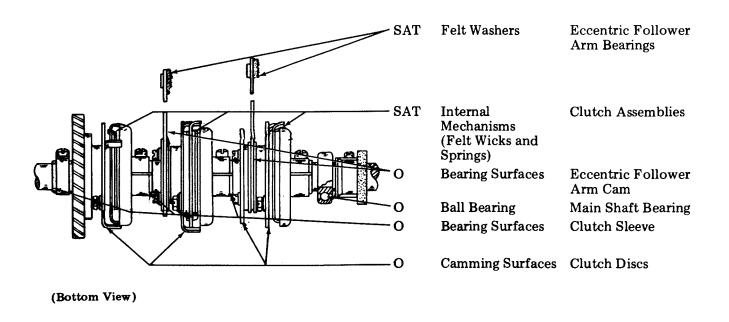
2.45 Main Shaft Area



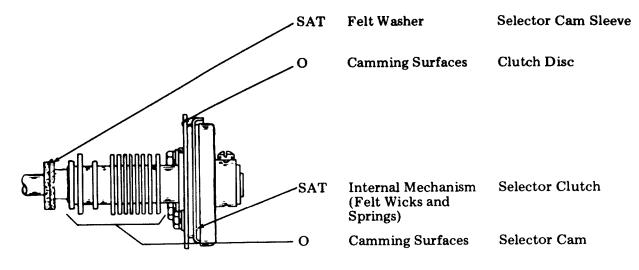
2.46 Main Shaft — Clutches, Gears, etc



2.47 Main Shaft Mechanism

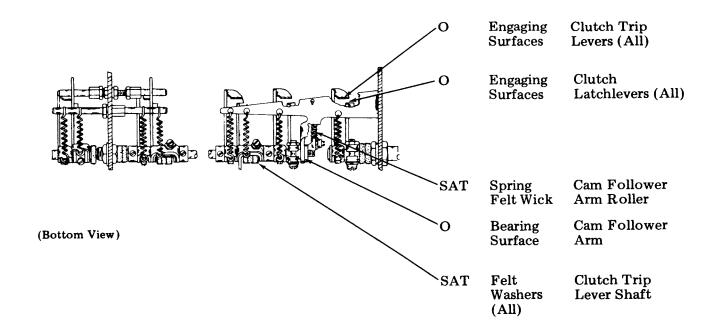


2.48 Selector Cam Clutch Assembly

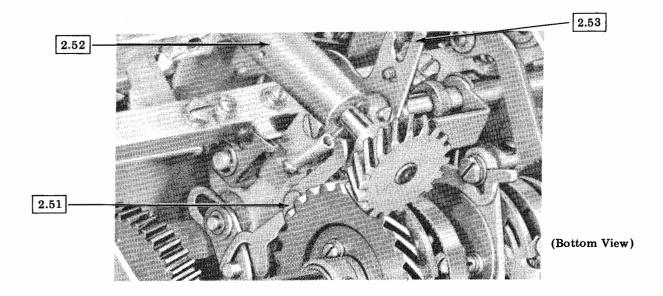


(Front View)

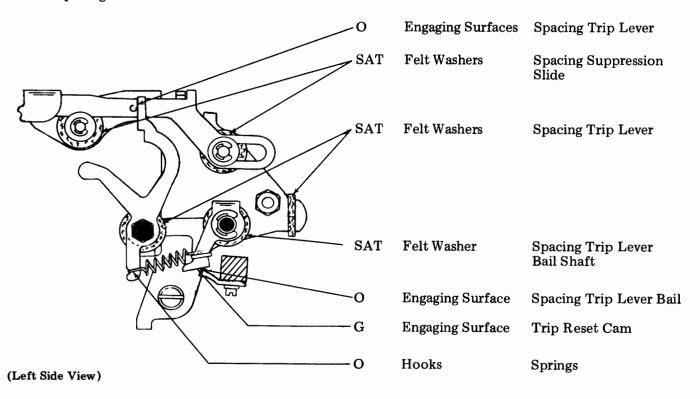
2.49 Main Shaft — Clutches, Gears, etc (continued)



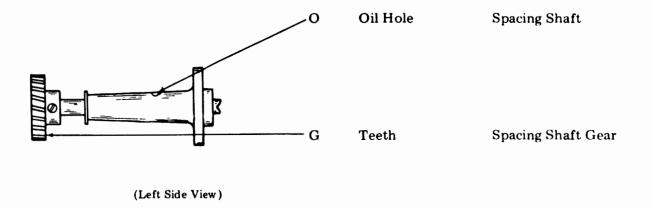
2.50 Spacing Area (continued)



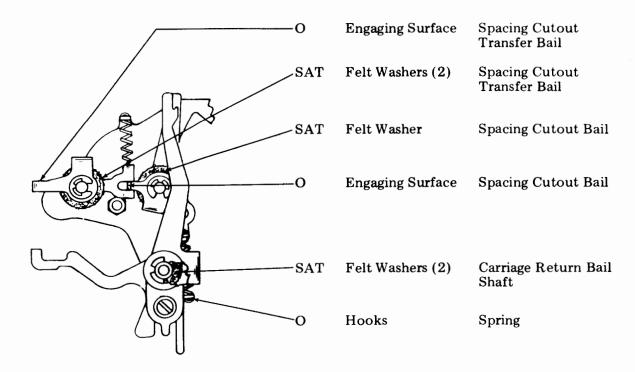
2.51 Spacing Mechanism



2.52 Spacing Mechanism (continued)



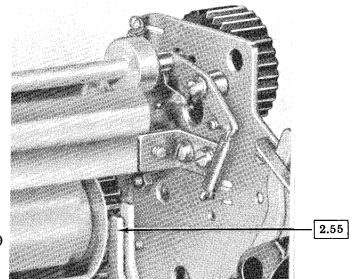
2.53 Spacing Mechanism (continued)



(Right Side View)

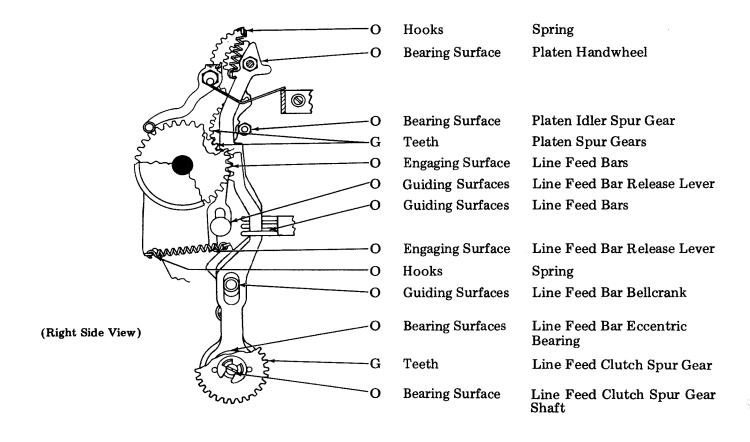
FRICTION FEED AREAS

2.54 Line Feed Area



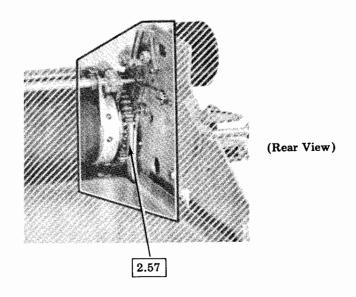
(Rear View)

2.55 Line Feed Mechanism

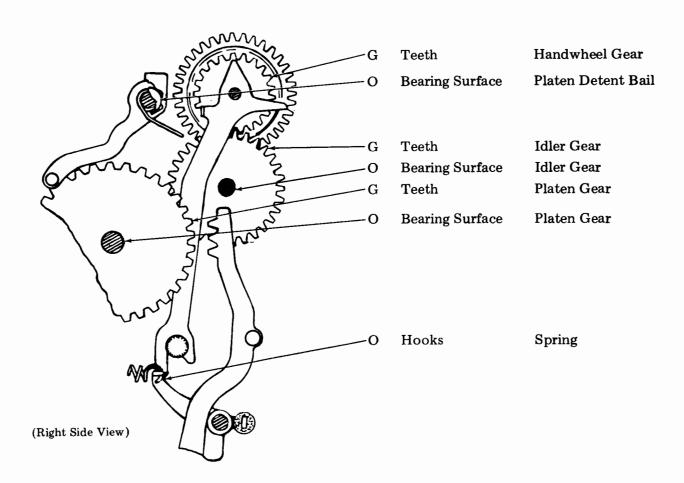


SPROCKET FEED AREAS

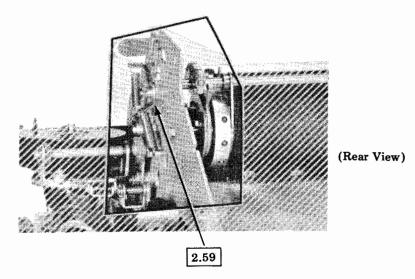
2.56 Line Feed Area



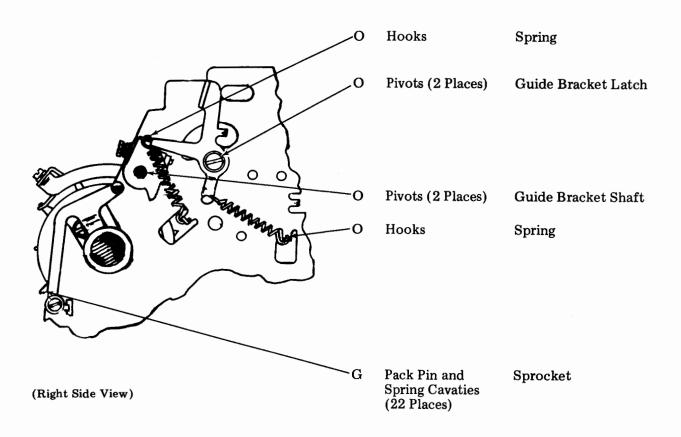
2.57 Line Feed Mechanism



2.58 Paper Guide Area

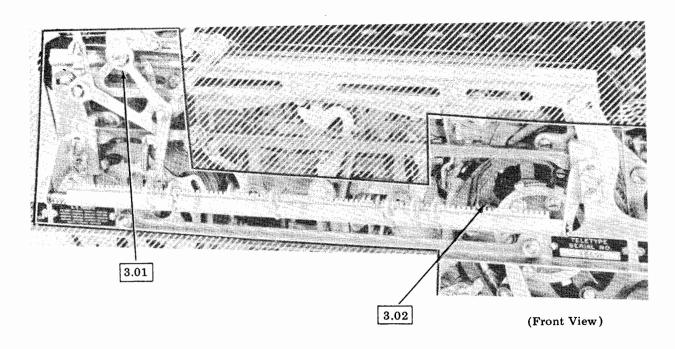


2.59 Paper Guide Mechanism

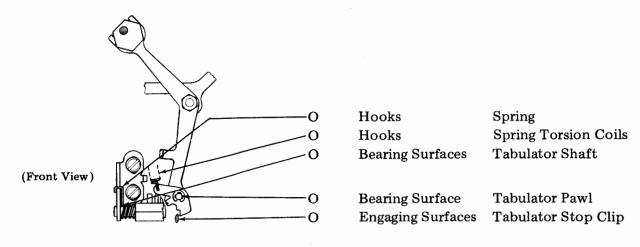


3. VARIATIONS TO BASIC UNIT

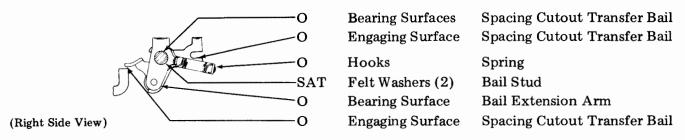
HORIZONTAL TABULATOR MECHANISM (EARLY DESIGN)



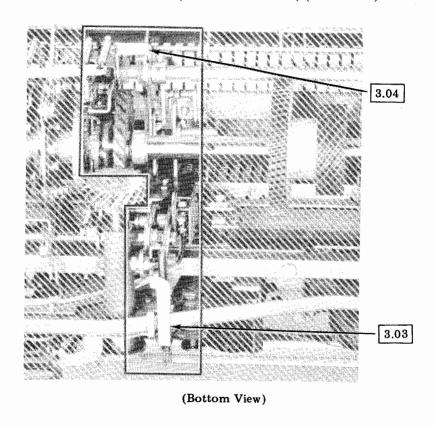
3.01 Tabulator Shaft Mechanism



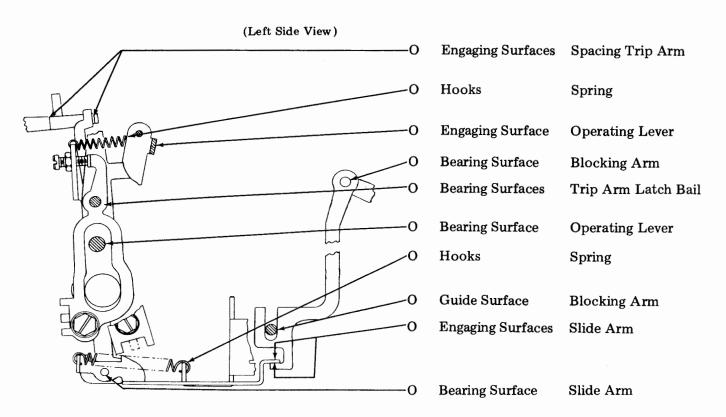
3.02 Space Suppression Mechanism



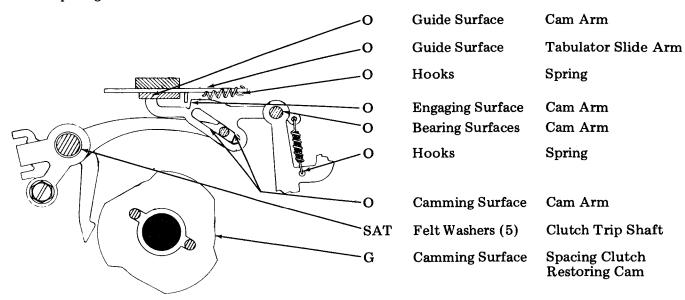
HORIZONTAL TABULATOR MECHANISM (EARLY DESIGN) (continued)



3.03 Operating Lever Mechanism

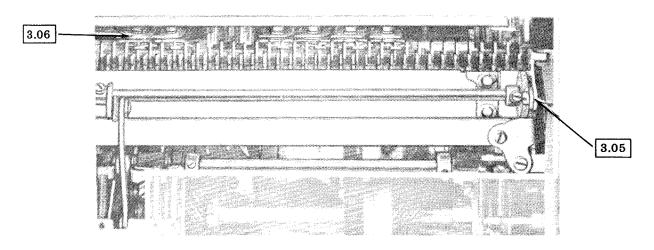


3.04 Spacing Clutch Mechanism



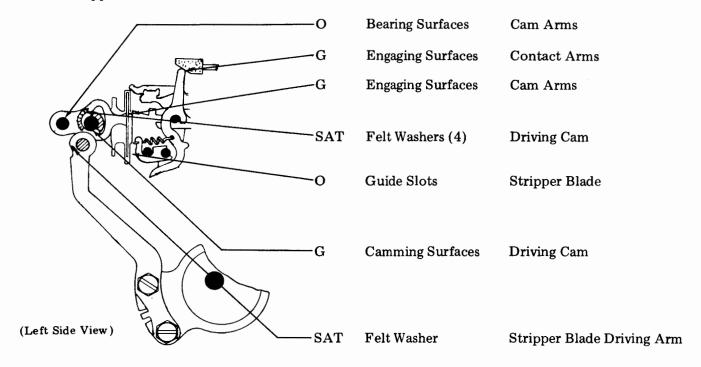
(Right Side View)

SELECTIVE CALLING MECHANISM

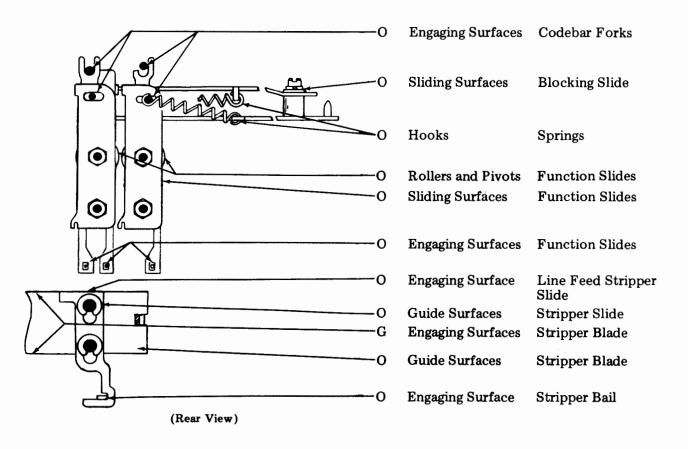


(Rear View)

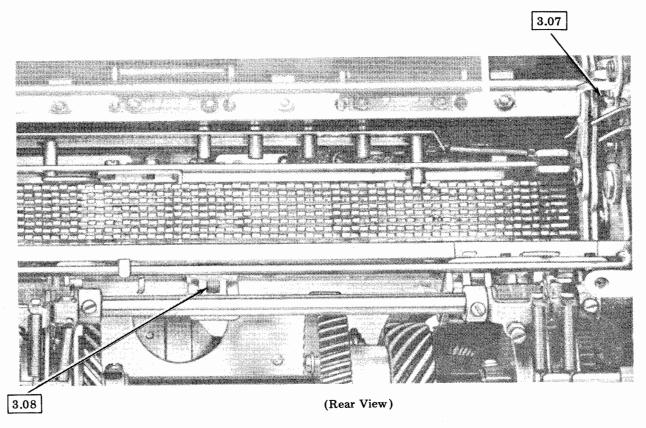
3.05 Stripper Bail Mechanism



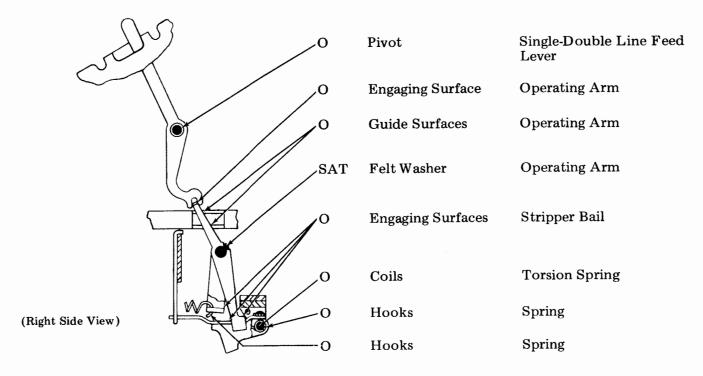
3.06 Shift and Stripper Bail Mechanisms



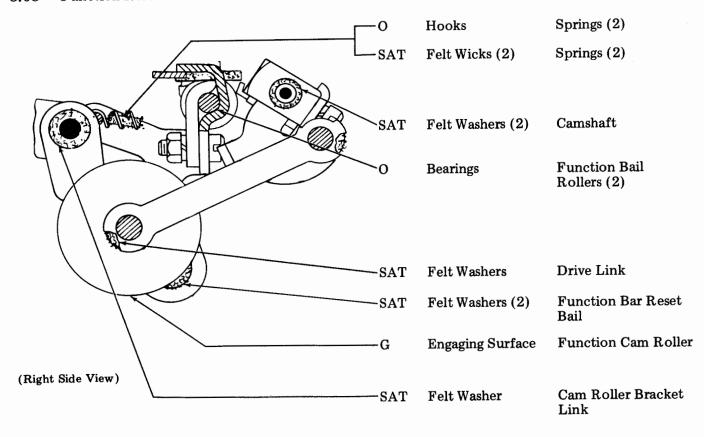
SELECTIVE CALLING MECHANISM (continued)



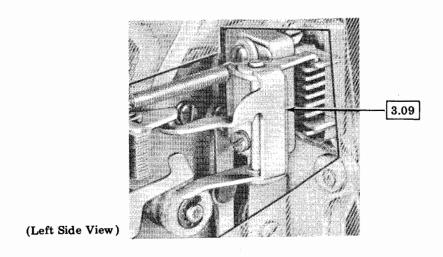
3.07 Single-Double Line Feed Mechanism



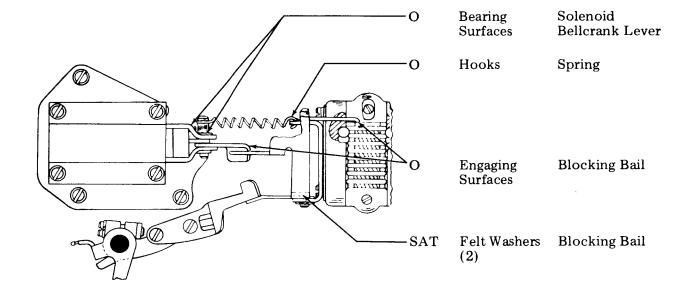
3.08 Function Reset Bail Mechanism



SELECTIVE CALLING MECHANISM (continued)

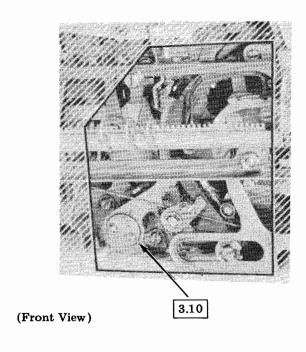


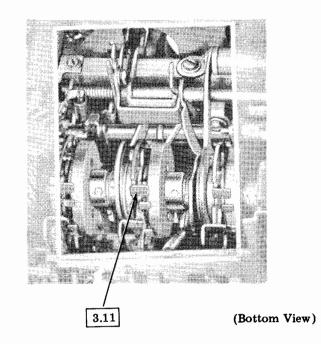
3.09 Clutch Suppression Mechanism



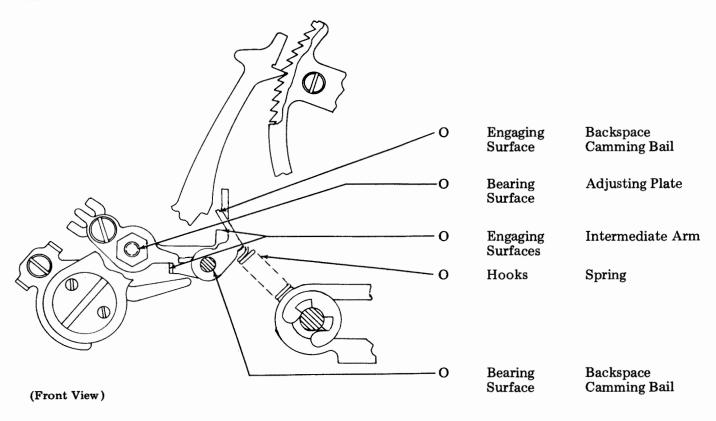
(Left Side View)

LOCAL BACKSPACE MECHANISM

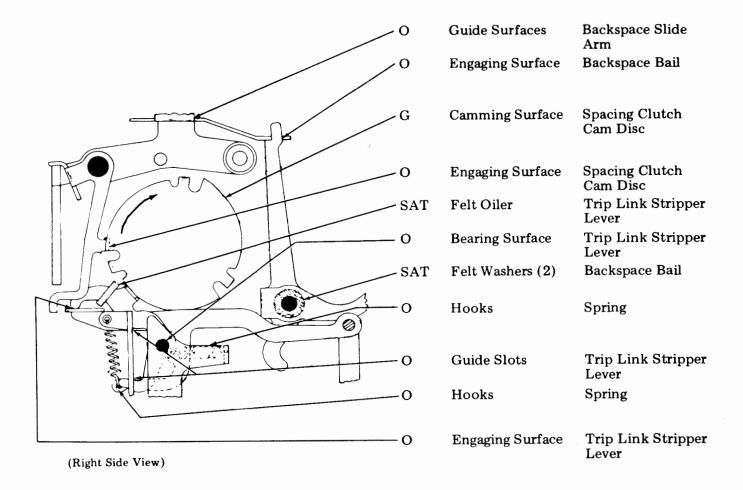




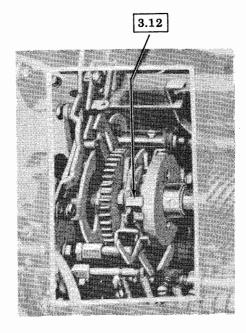
3.10 Pawl Mechanism



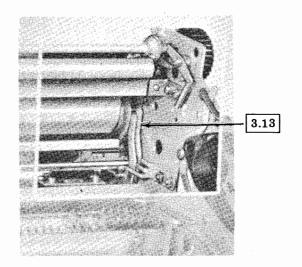
3.11 Trip Mechanism



REVERSE LINE FEED MECHANISM

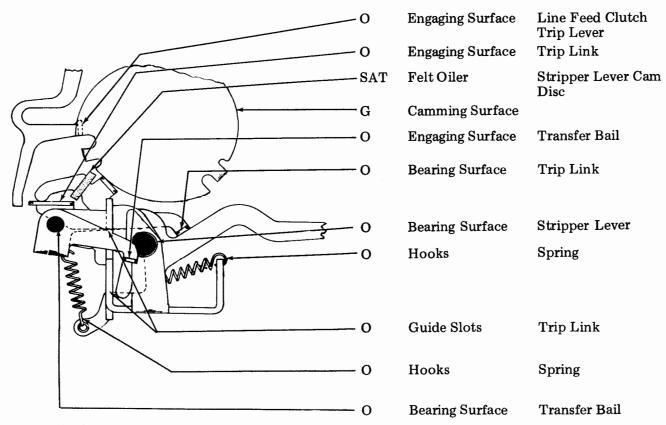


(Bottom View)



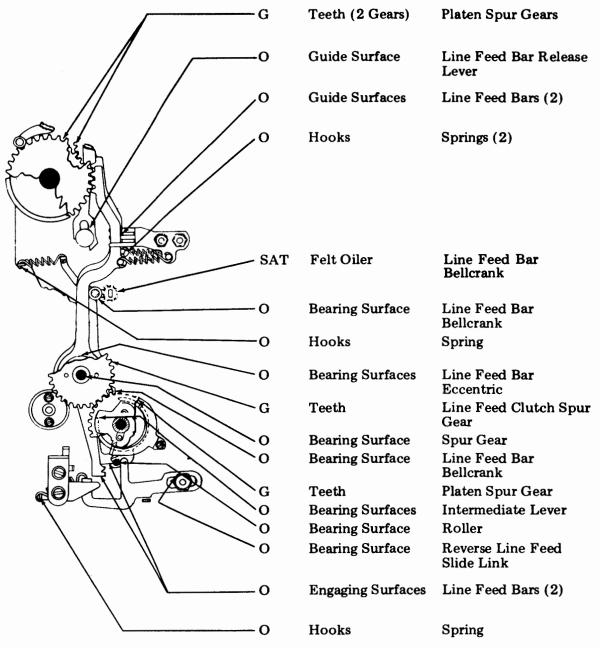
(Rear View)

3.12 Trip Mechanism



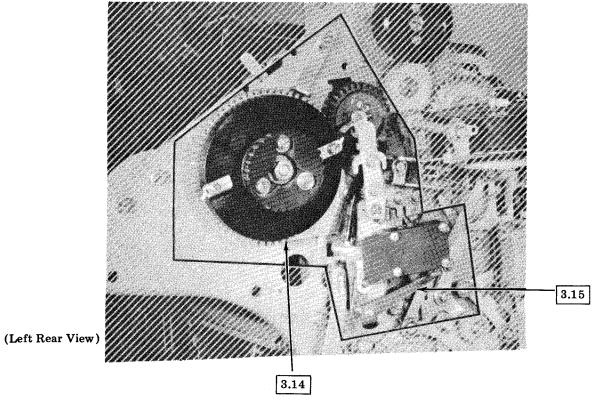
(Left Side View)

3.13 Line Feed Mechanism

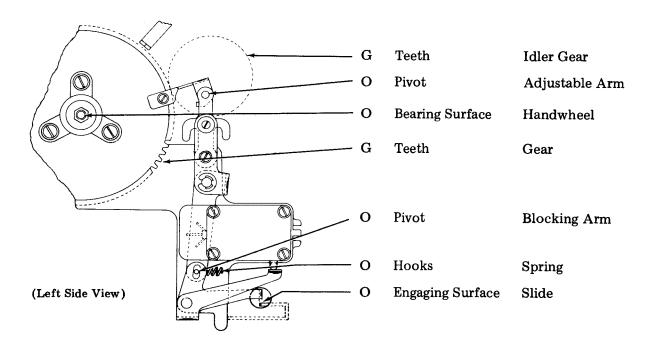


(Right Side View)

PAGE FEED-OUT MECHANISM

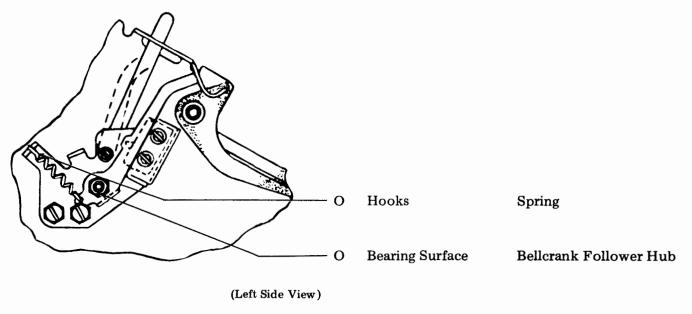


3.14 Drive Mechanism

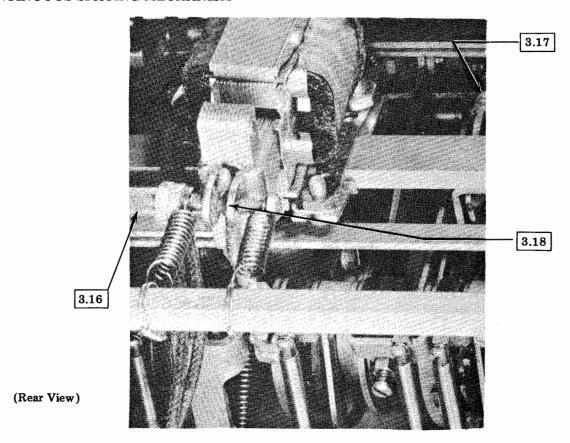


PAPER-OUT ALARM MECHANISM

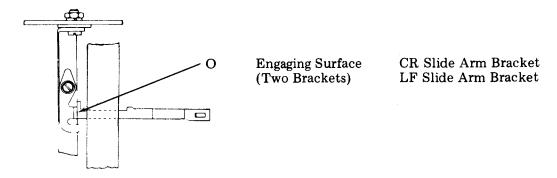
3.15 Operating Mechanism



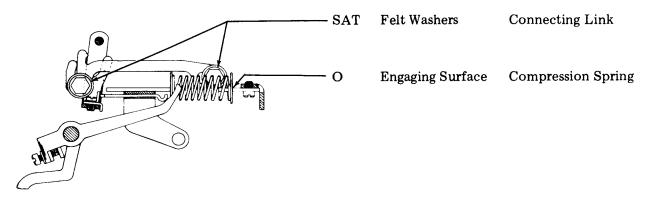
CONTINUOUS SPACING MECHANISM



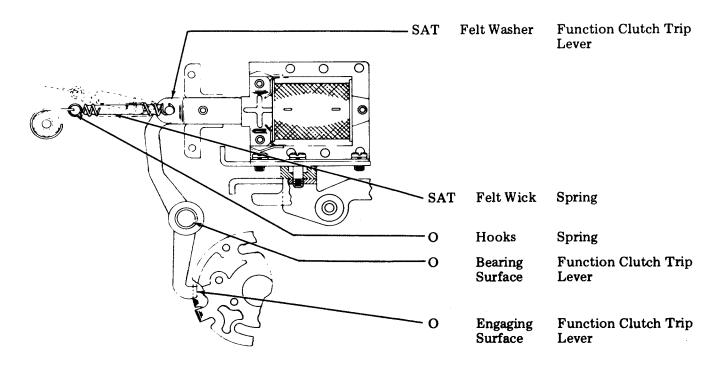
3.16 Slide Arm Bracket



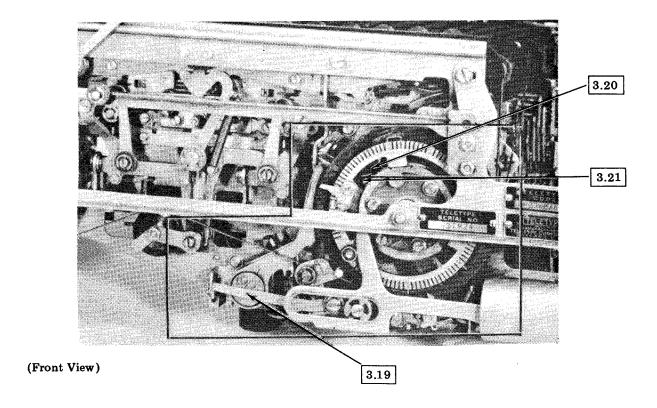
3.17 Compression Spring

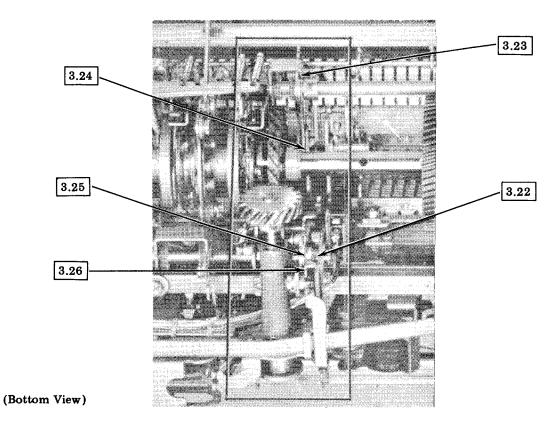


3.18 Trip Mechanism

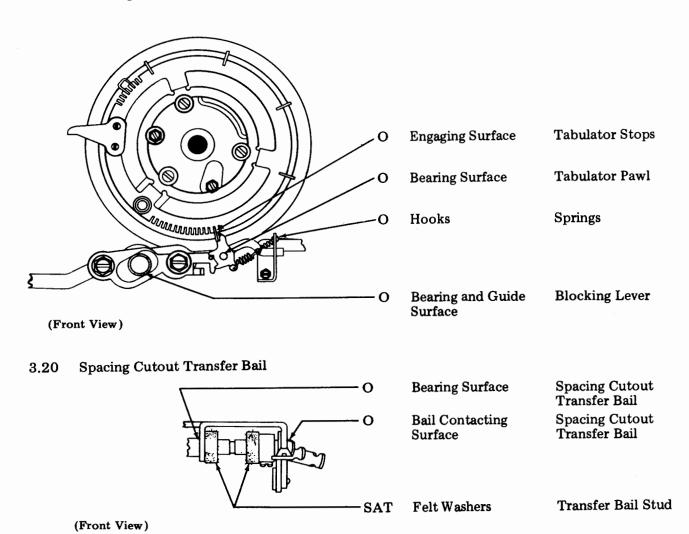


HORIZONTAL TABULATOR MECHANISM (LATE DESIGN)

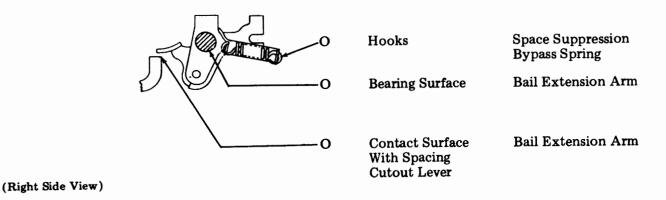




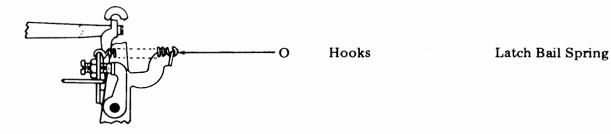
3.19 Blocking Lever



3.21 Bail Extension Arm

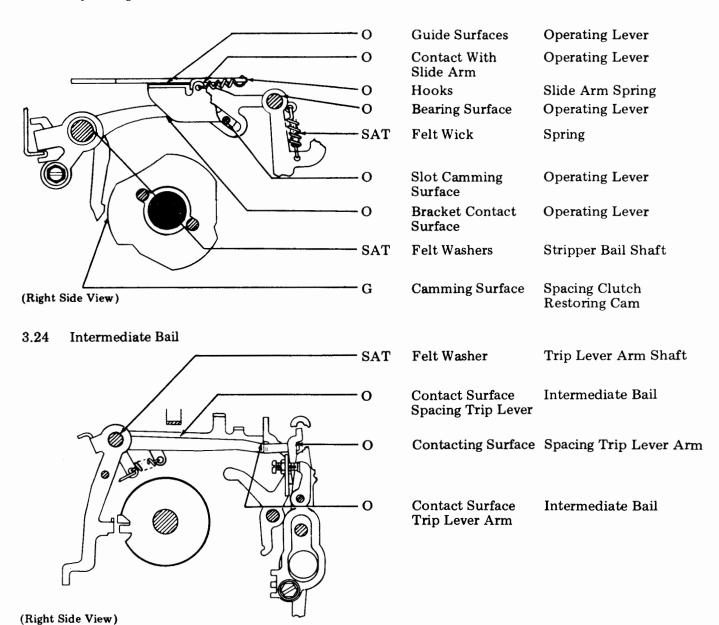


3.22 Latch Bail

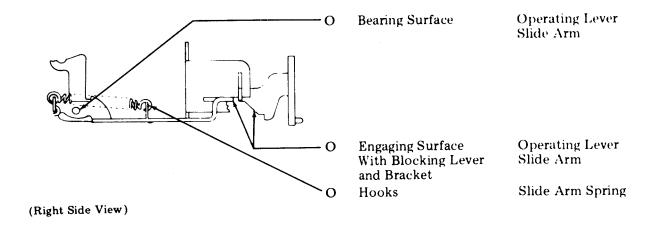


(Right Side View)

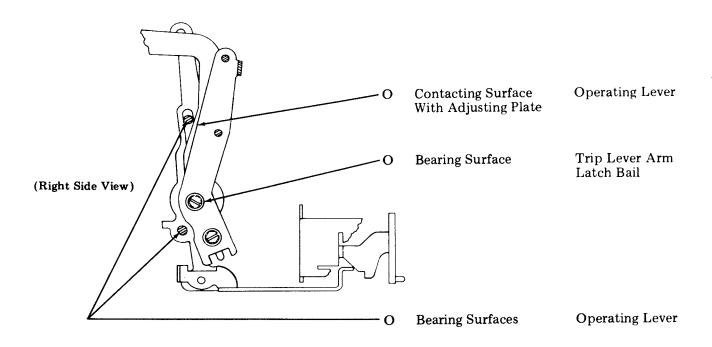
3.23 Operating Lever



3.25 Slide Arm

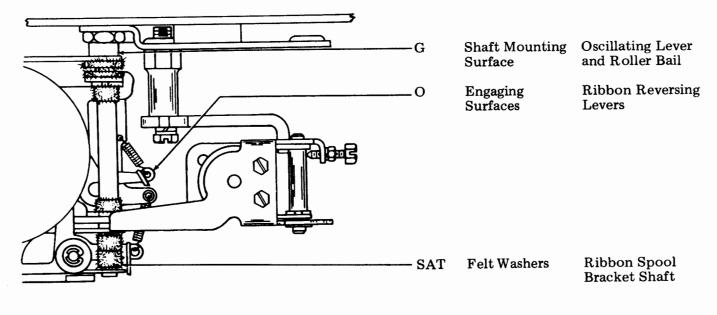


3.26 Operating Lever (continued)



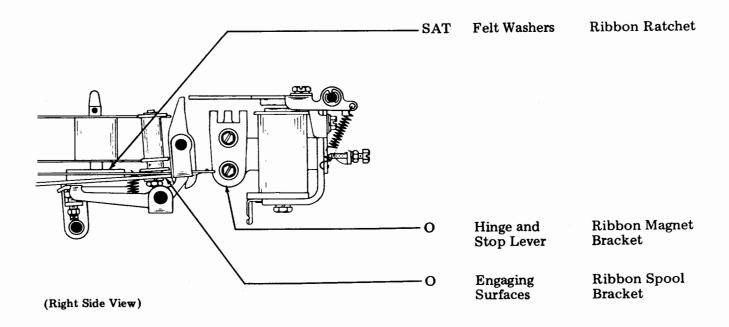
TWO-COLOR RIBBON MECHANISM

3.27 Oscillating Lever

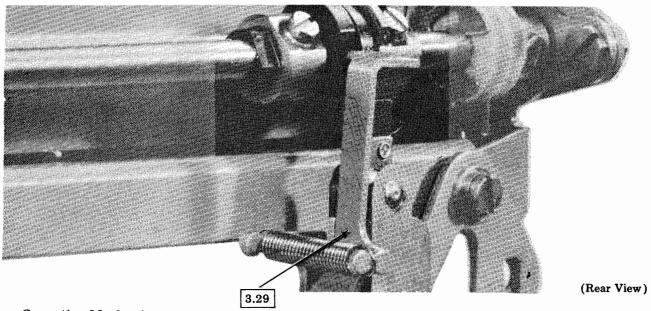


(Top View)

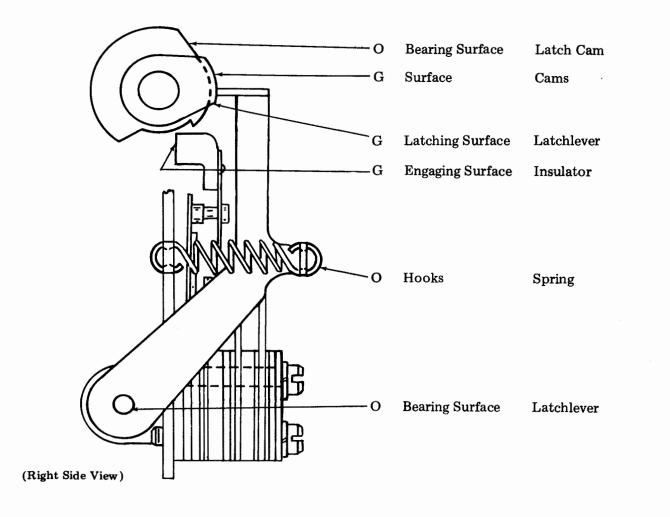
3.28 Ribbon Operating Mechanism



UNIVERSAL CONTACT STUNT BOX MECHANISM

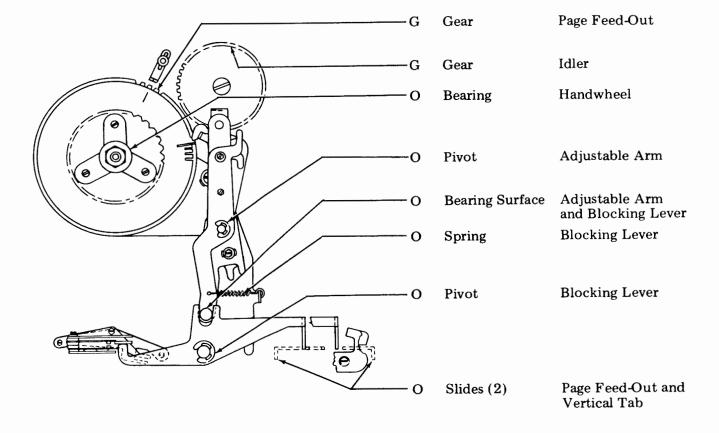


3.29 Operating Mechanism



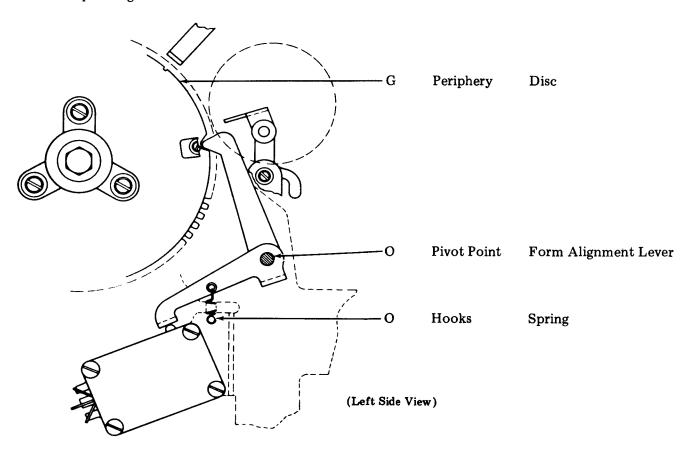
VERTICAL TABULATION AND TRANSMITTER DISTRIBUTOR CONTROL MECHANISM

3.30 Control Mechanism



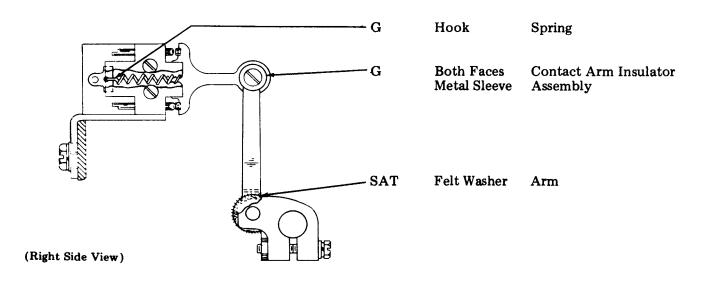
FORM ALIGNMENT SWITCH MECHANISM

3.31 Operating Mechanism



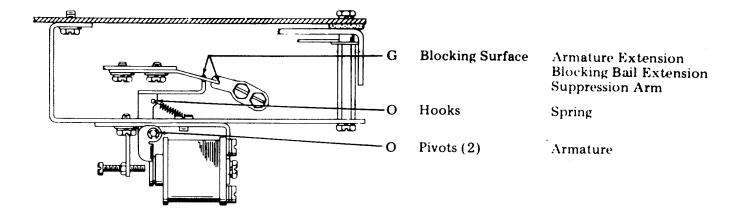
UNIVERSAL CONTACT SELECTOR MECHANISM

3.32 Contact Mechanism



DC MAGNET OPERATED PRINT SUPPRESSION MECHANISM

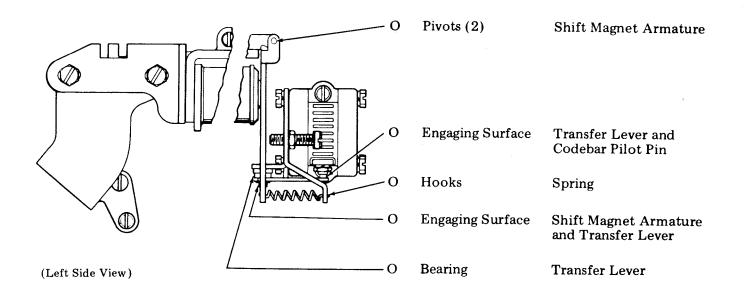
3.33 Suppression Mechanism



(Left Side View)

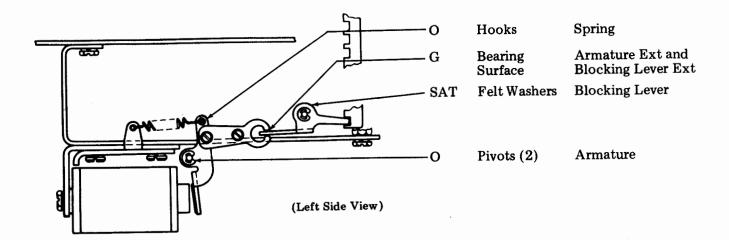
LETTERS-FIGURES CODEBAR SHIFT MAGNET MECHANISM

3.34 Shift Magnet Mechanism



PRINT SUPPRESSION AND OFF-LINE STUNT SHIFT CONTROL MECHANISM

3.35 Shift Mechanism



FORM FEED-OUT MECHANISM

3.26 Feed-Out Bail

