

BELL SYSTEM PRACTICES
Teletypewriter and Data Stations

SECTION P34.525
Issue 2, September, 1962
AT&T Co Standard

28 SINGLE-MAGNET TYPING REPERFORATOR LUBRICATION

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1. GENERAL

1.01 This section contains the specific lubrication procedures for the 28 single-magnet typing reperforator. The material herein, together with the section containing the general lubrication instructions on teletypewriter apparatus, provides the complete lubrication information for maintenance.

1.02 This section is reissued to revise various lubrication procedures in accordance with changes authorized for this apparatus by P98 series Bell System Practices listed at the end of the section and to include other authorized revisions and additions so as to bring the section generally up to date. In the process of this revision, the title was changed and the lubrication instructions for the 28 typing reperforator base were transferred to an individual section. Since this is a general revision, the arrows ordinarily used to indicate changes have been omitted.

1.03 The lubrication symbols used herein are the same as those in the general section. However, the symbol ● is used in this section to mean only one drop of oil. Symbols, such as O2 or O4, are used herein to specify, respectively, that two or four drops of oil are to be applied at the points indicated.

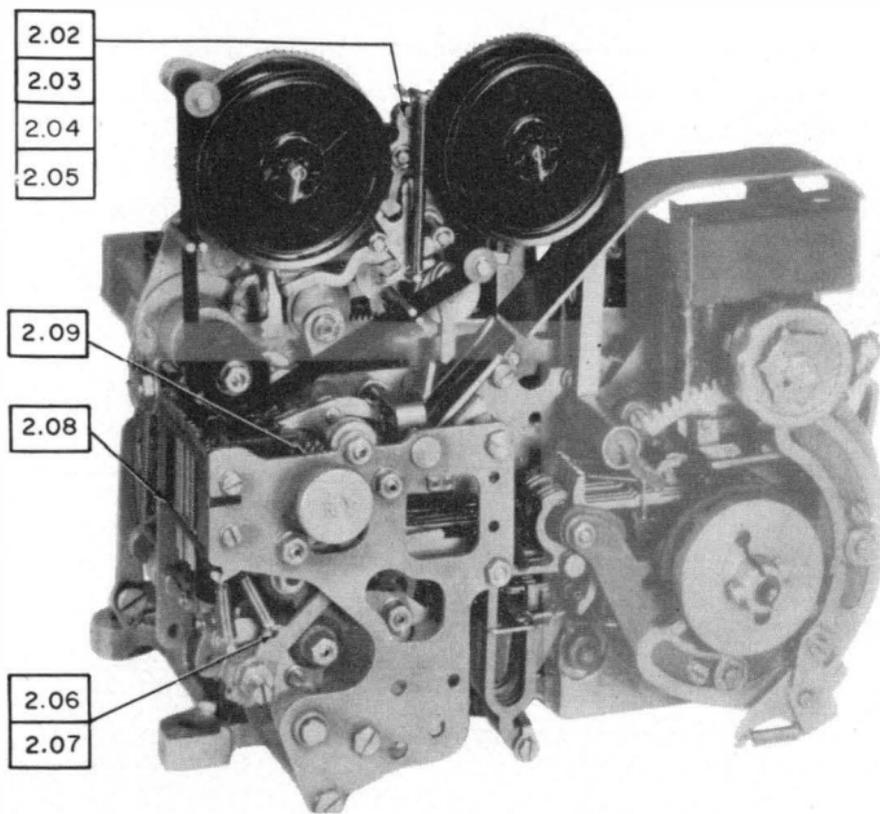
1.04 The apparatus should be lubricated before being placed in service as specified in the section covering the preparation of teletypewriter apparatus for installation. After a few weeks in service, it should be relubricated to make certain that all specified points have lubricant. Thereafter, because of varying conditions at each station, the apparatus should be lubricated as often as specified by local instructions. The following lubrication interval is suggested as a guide for use under normal operating conditions.

<u>Operating Speed</u> <u>(Words per Minute)</u>	<u>Lubricating Interval</u> <u>(Whichever Occurs First)</u>
60	3000 hours or 1 year
75	2400 hours or 9 months
100	1500 hours or 6 months

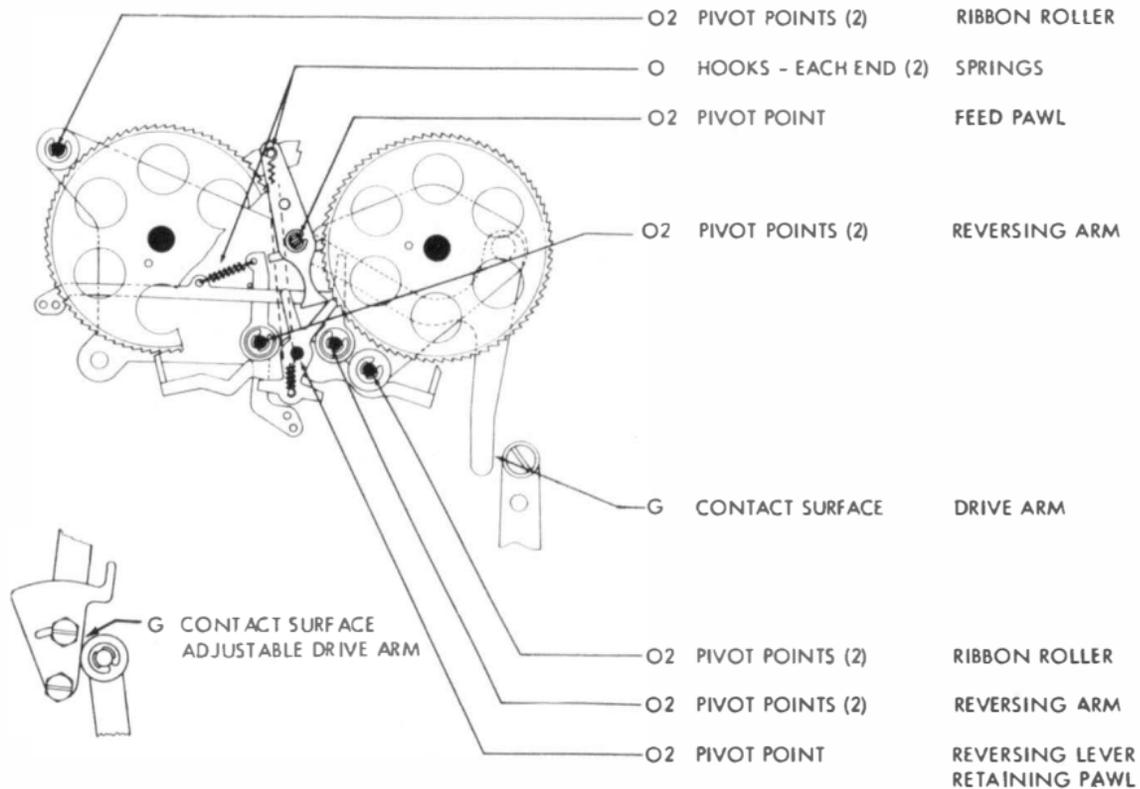
2. LUBRICATION DETAILS

A. Single-magnet Typing Reperforator

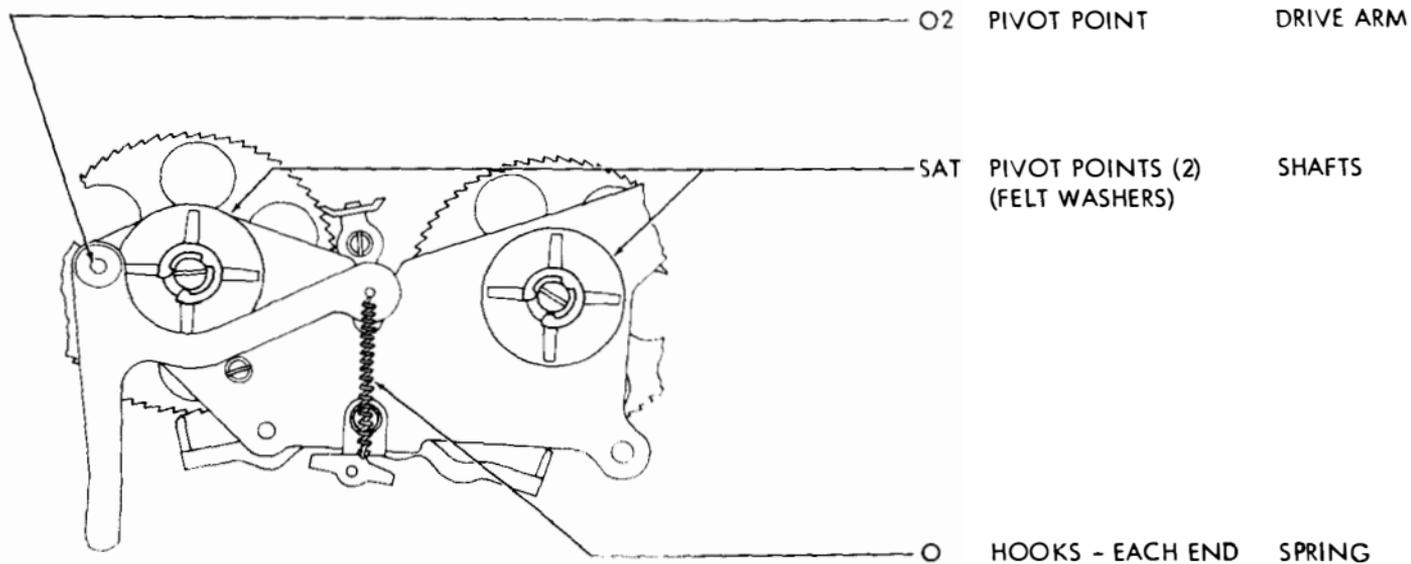
2.01 Ribbon-feed and Punch Mechanisms (Front View)



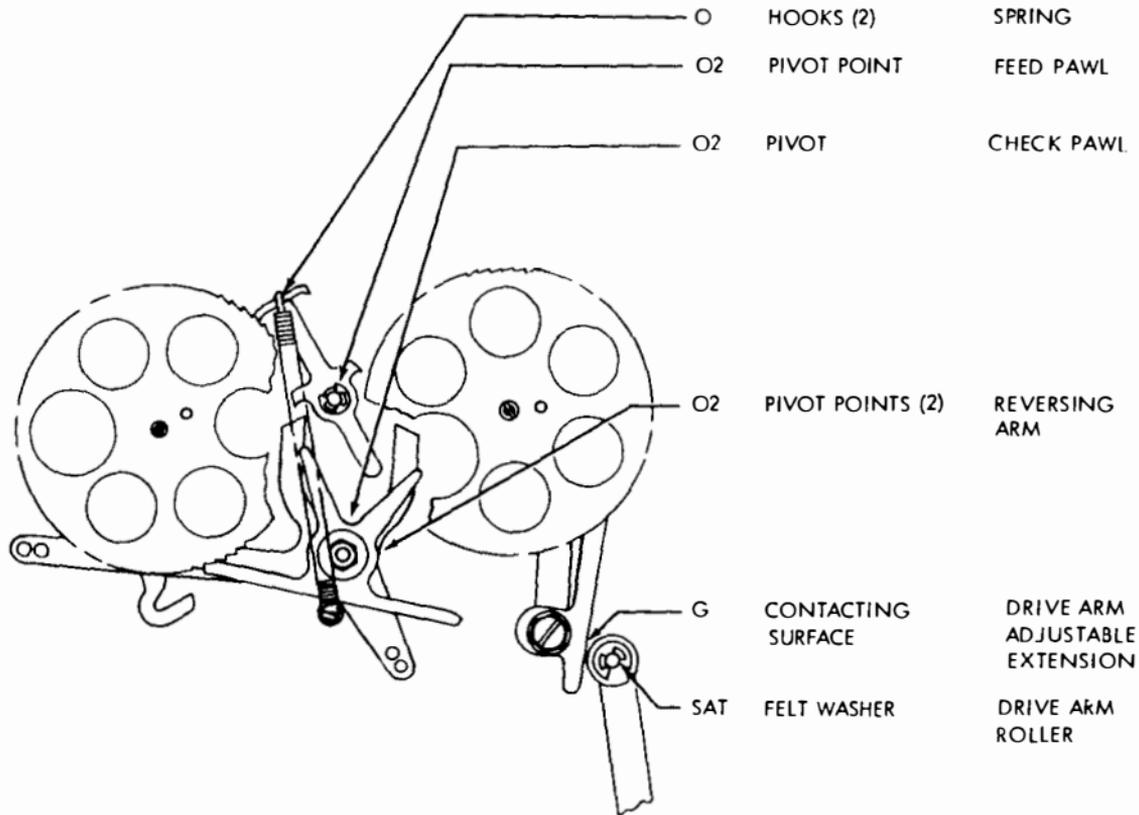
2.02 Ribbon-feed Mechanism With Spring Washer Behind Each Ribbon Spool



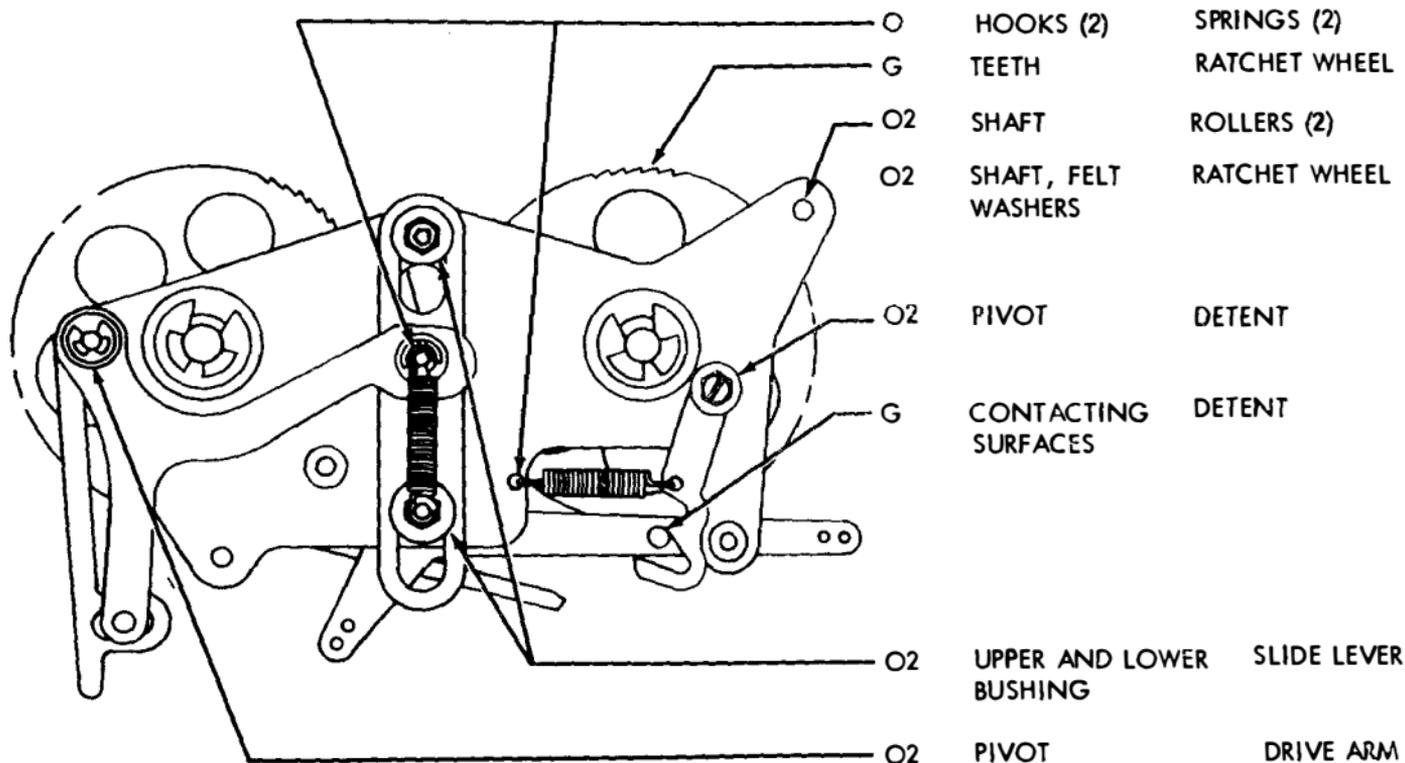
2.03 Ribbon-feed Mechanism With Spring Washer Behind Each Ribbon Spool (Rear View)



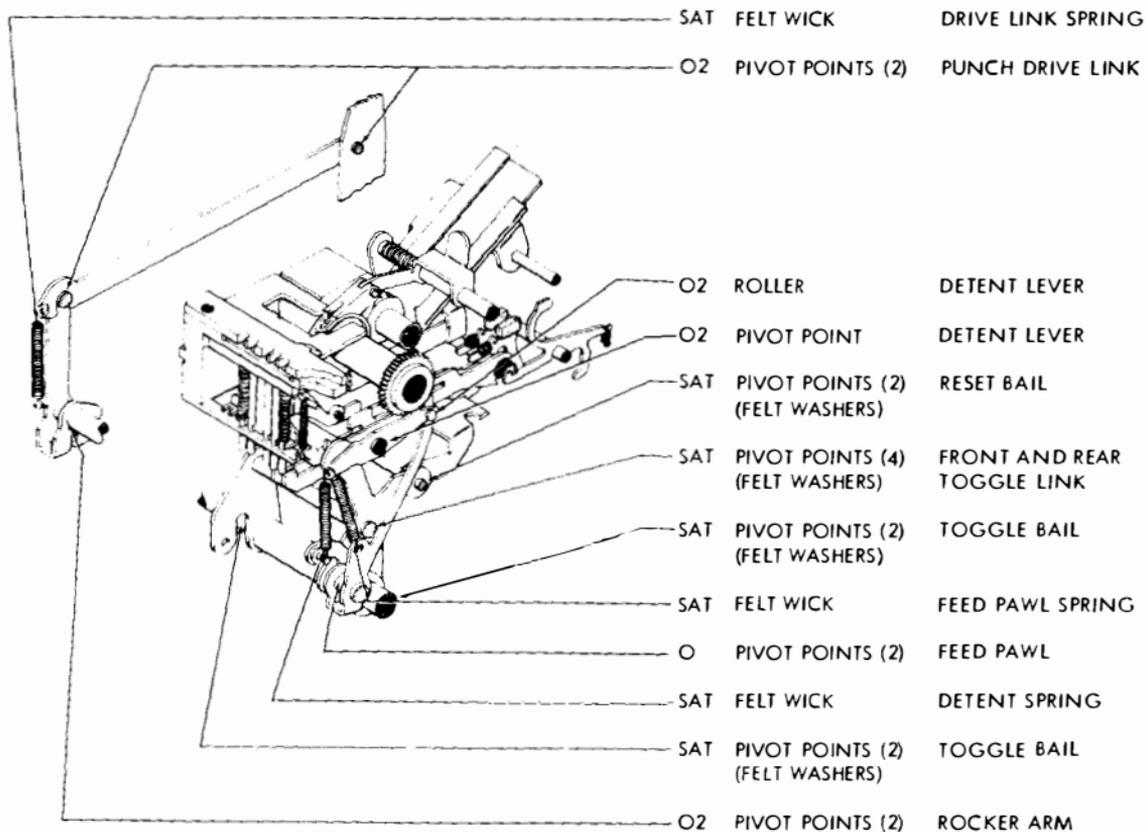
2.04 Ribbon-feed Mechanism With Helical Spring Behind Each Ribbon Spool



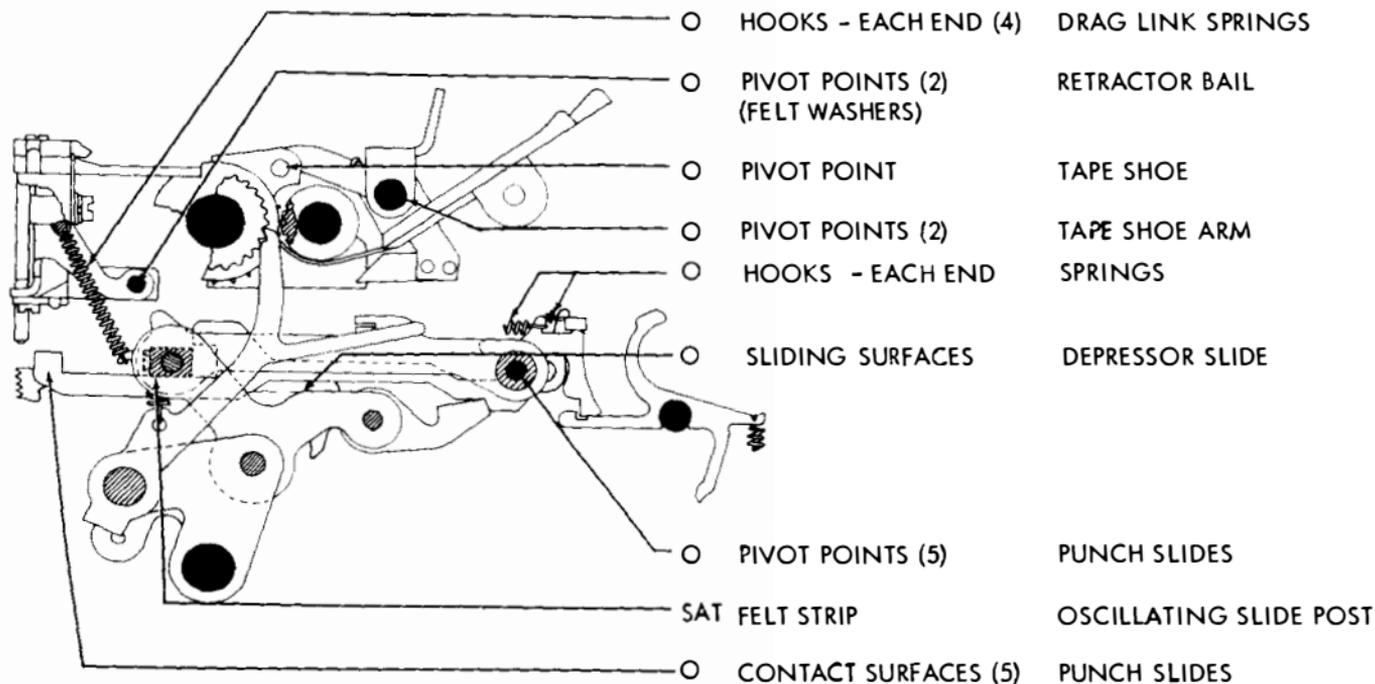
2.05 Ribbon-feed Mechanism With Helical Spring Behind Each Ribbon Spool



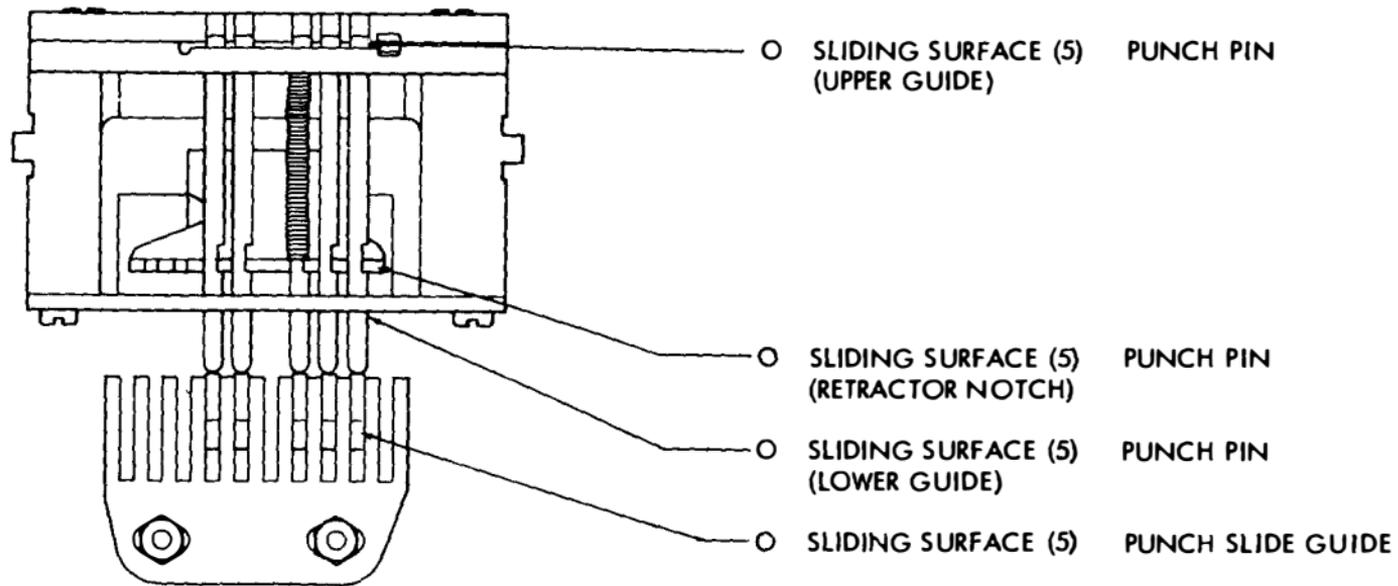
2.06 Punch Mechanism



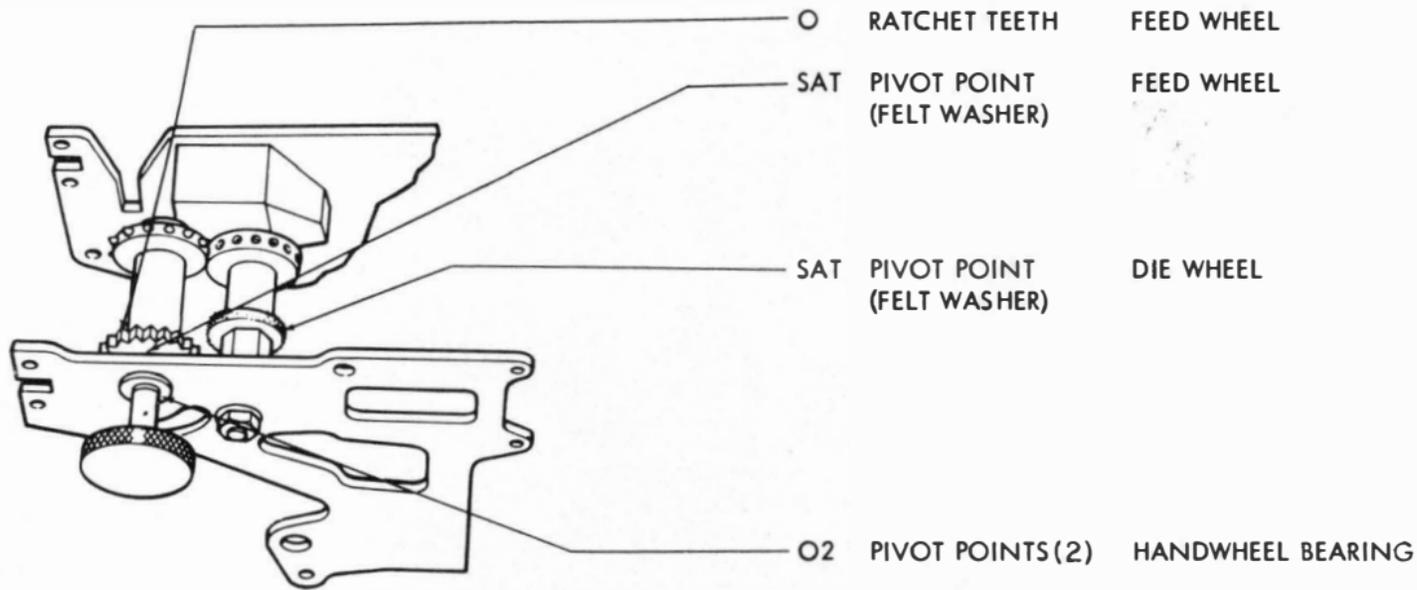
2.07 Punch Mechanism



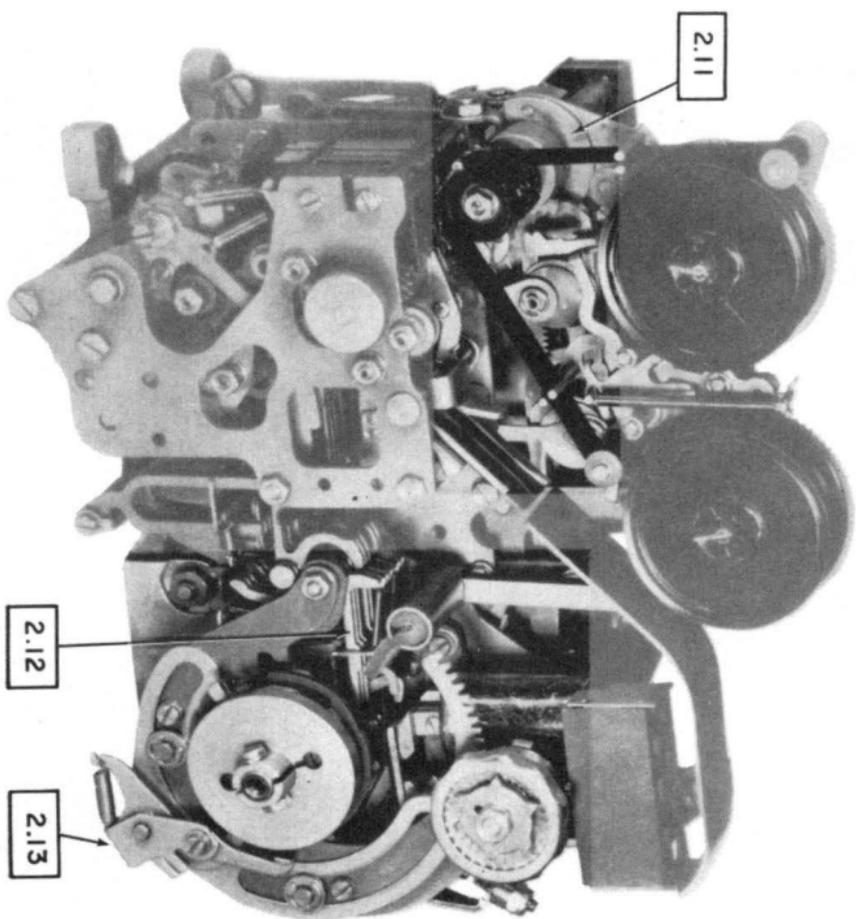
2.08 Punch Mechanism



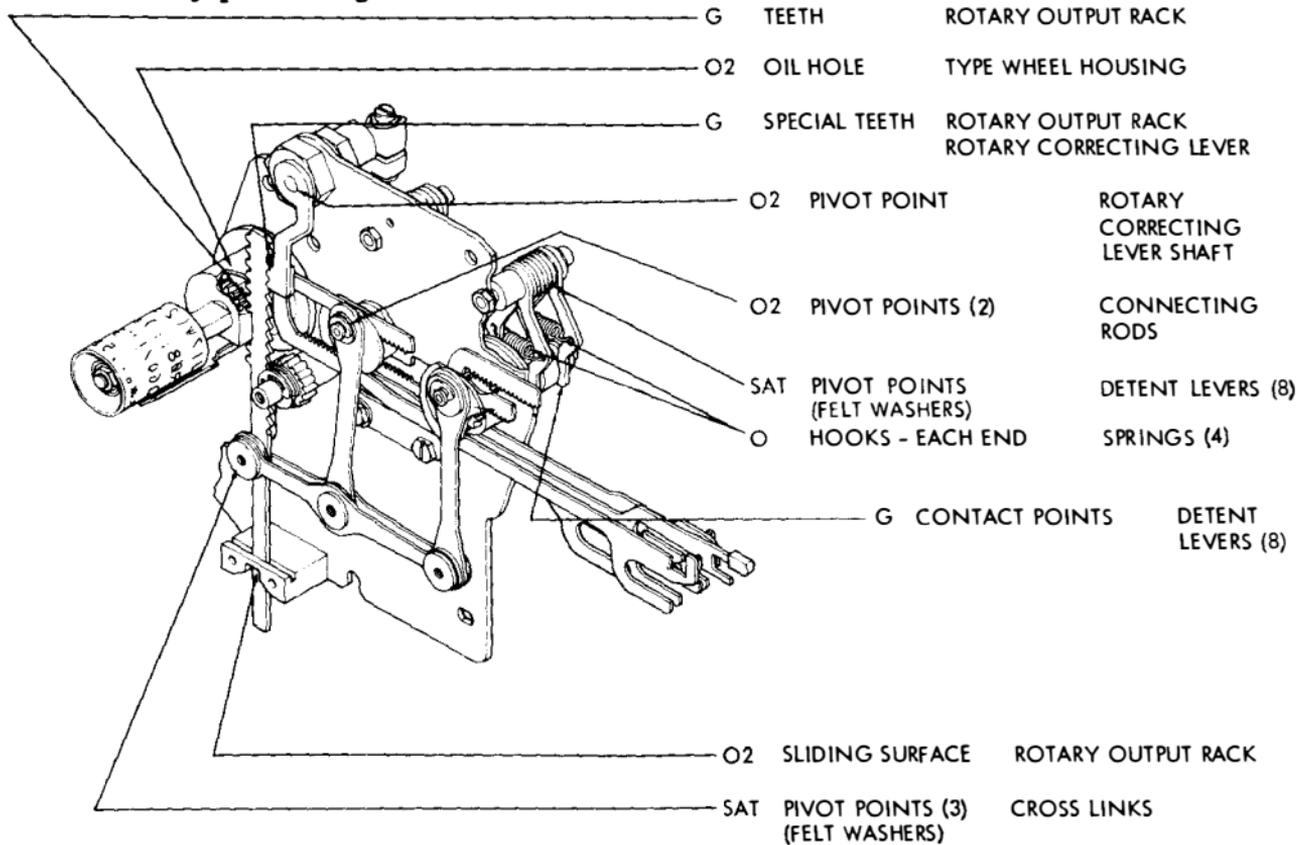
2.09 Punch Mechanism



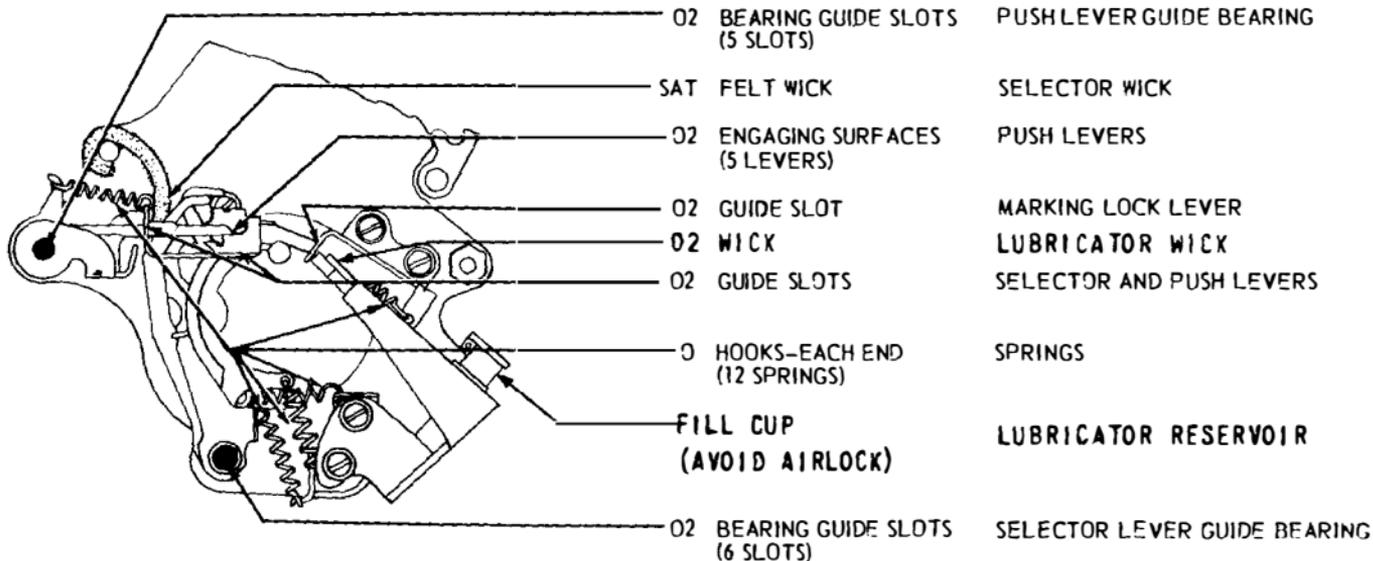
2.10 Rotary-positioning, Selector, and Range-finder Mechanisms (Front View)



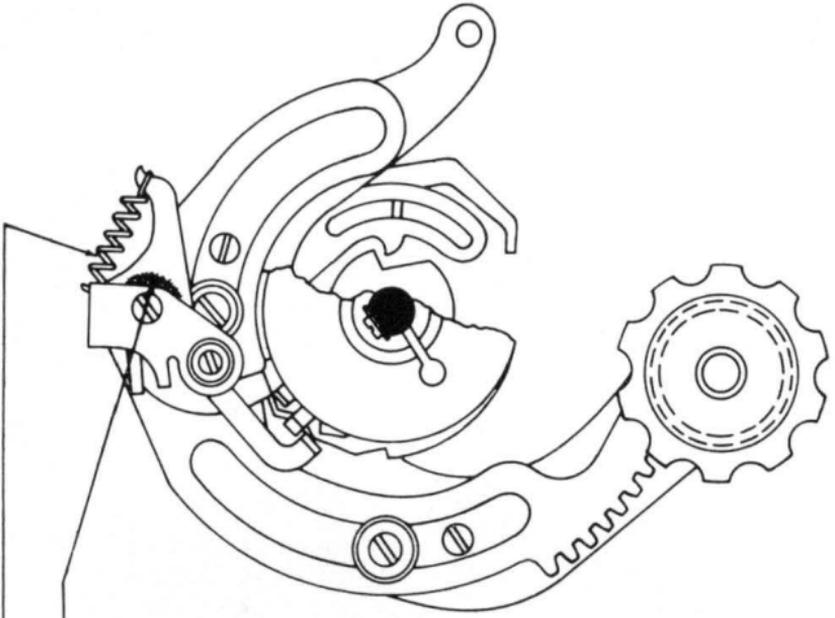
2.11 Rotary-positioning Mechanism



2.12 Selector Mechanism

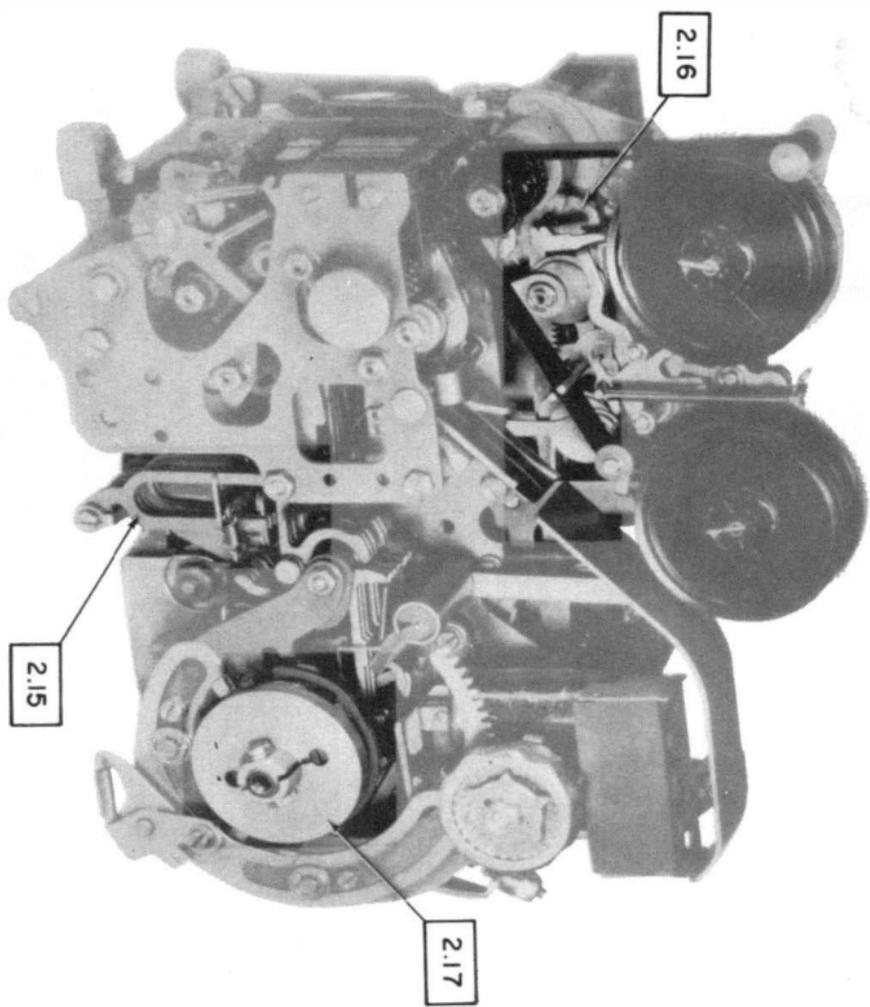


2.13 Range-finder Mechanism

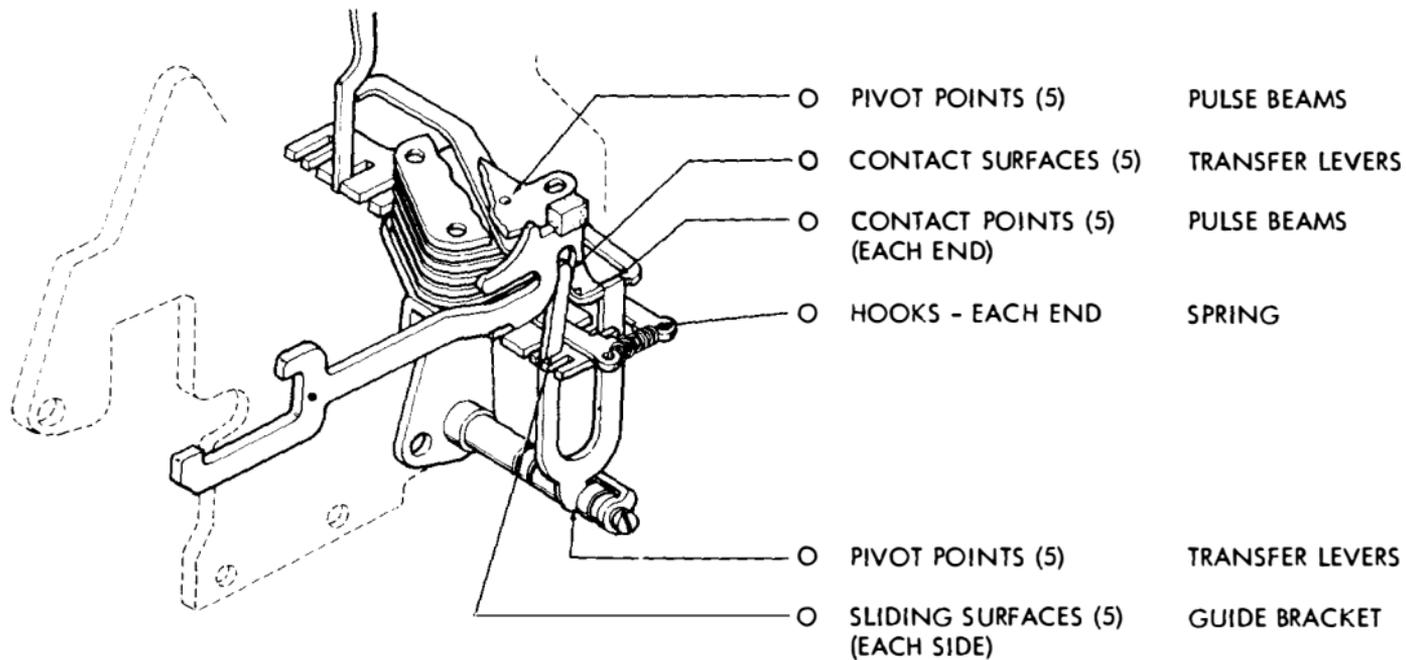


- SAT
- FELT WASHERS (2)
- HOOKS - EACH END
- CLUTCH STOP ARM
- SPRING

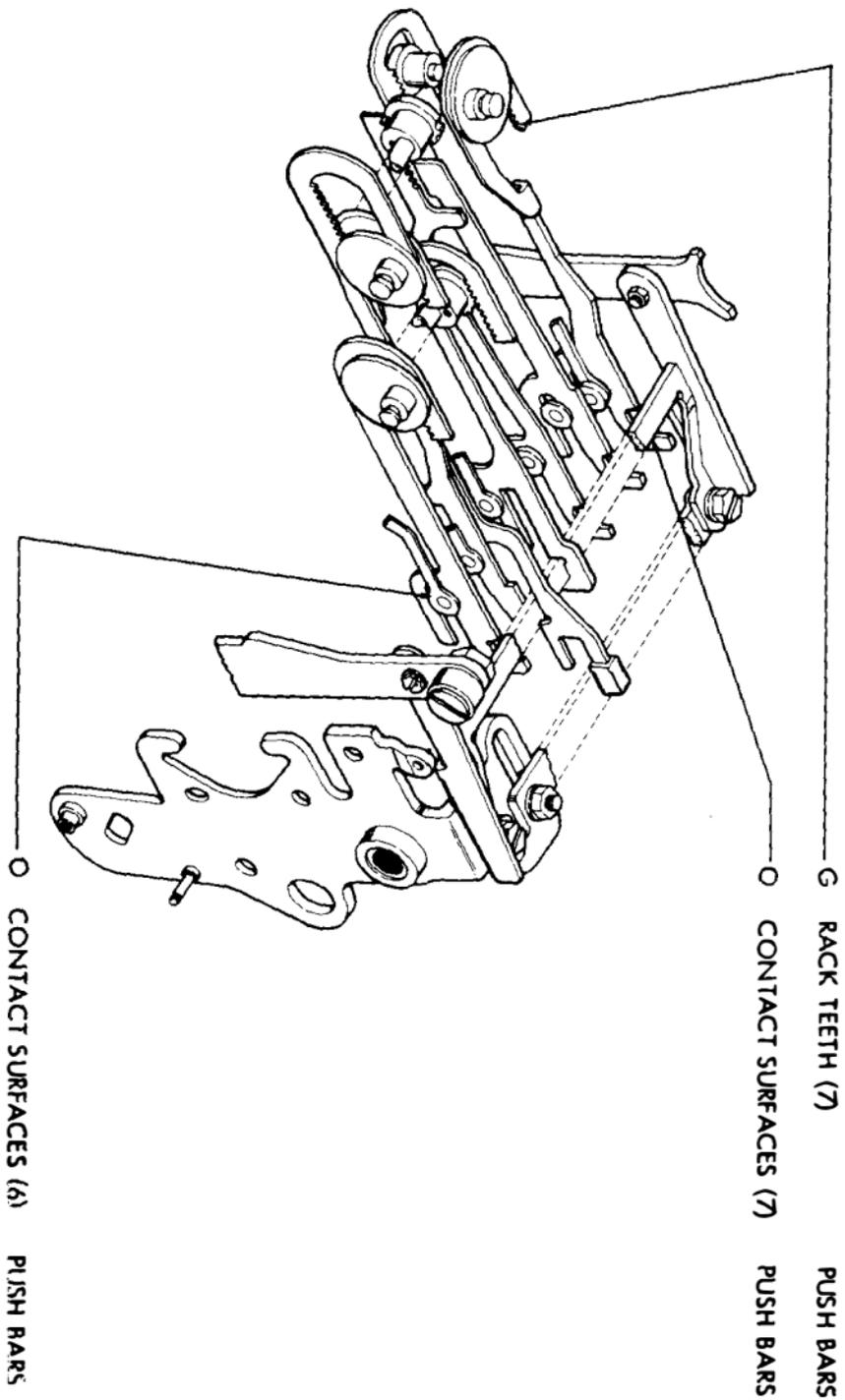
2.14 Transfer and Main-shaft Mechanisms and Pushbars



2.15 Transfer Mechanism



2.16 Pushbars



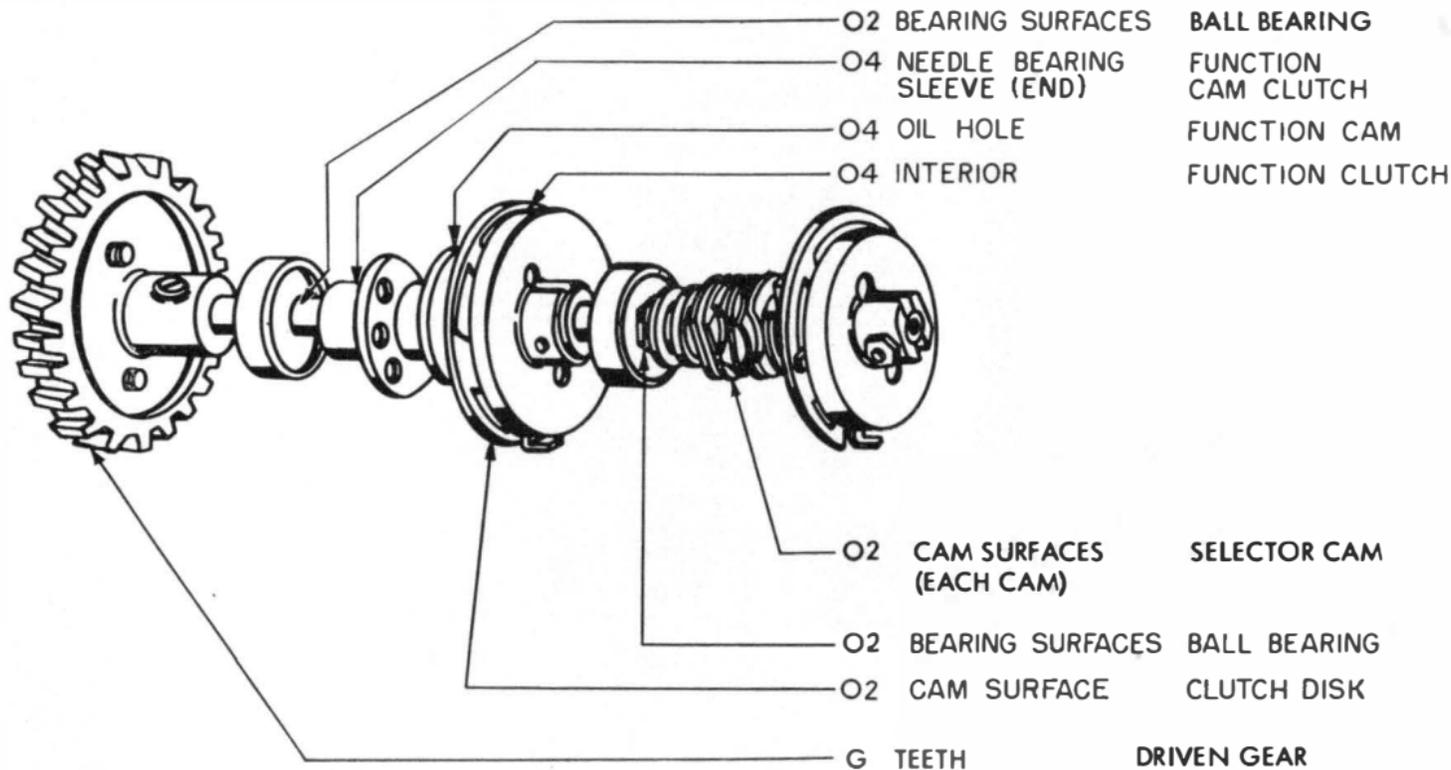
G RACK TEETH (7) PUSH BARS

O CONTACT SURFACES (7) PUSH BARS

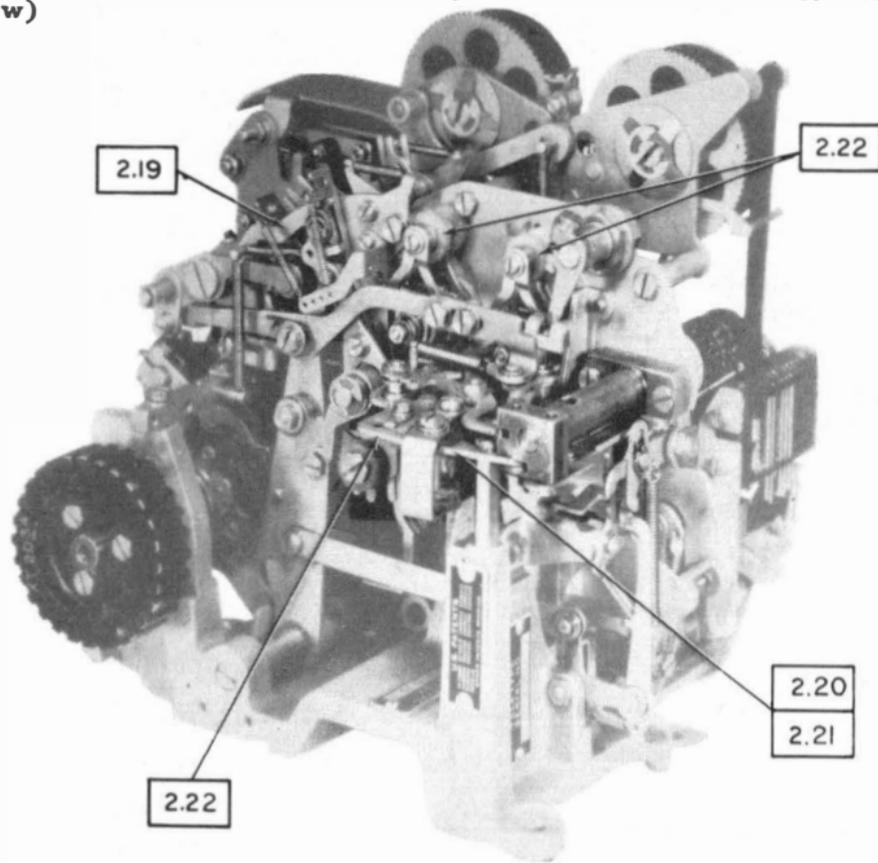
O CONTACT SURFACES (6) PUSH BARS



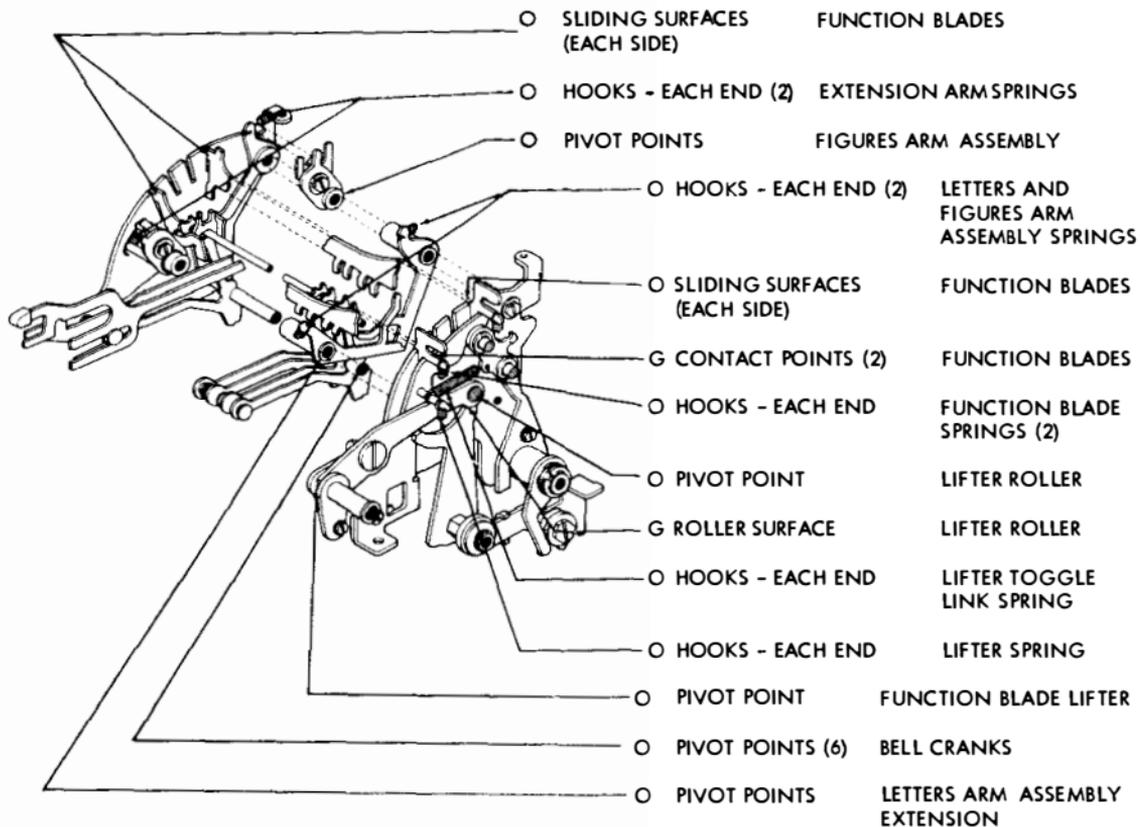
2.17 Main-shaft Mechanism



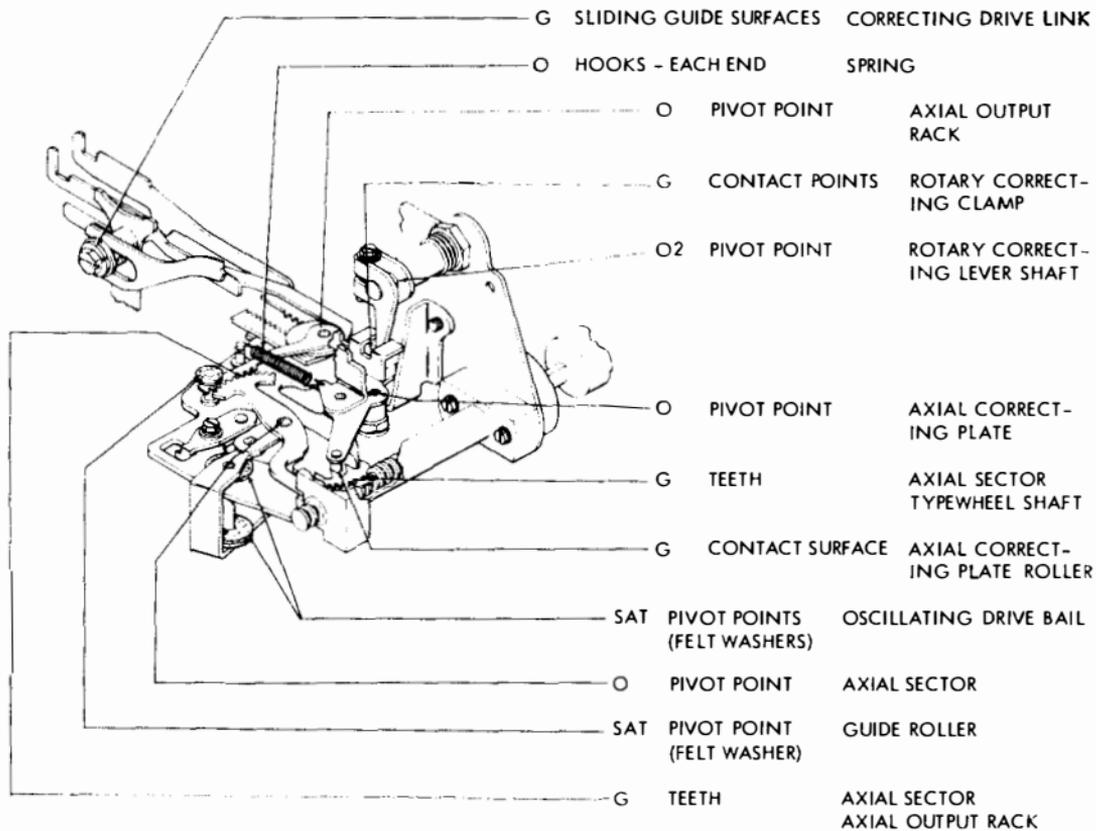
2.18 **Function-box and Axial-positioning Mechanisms and Detent Assemblies (Rear View)**



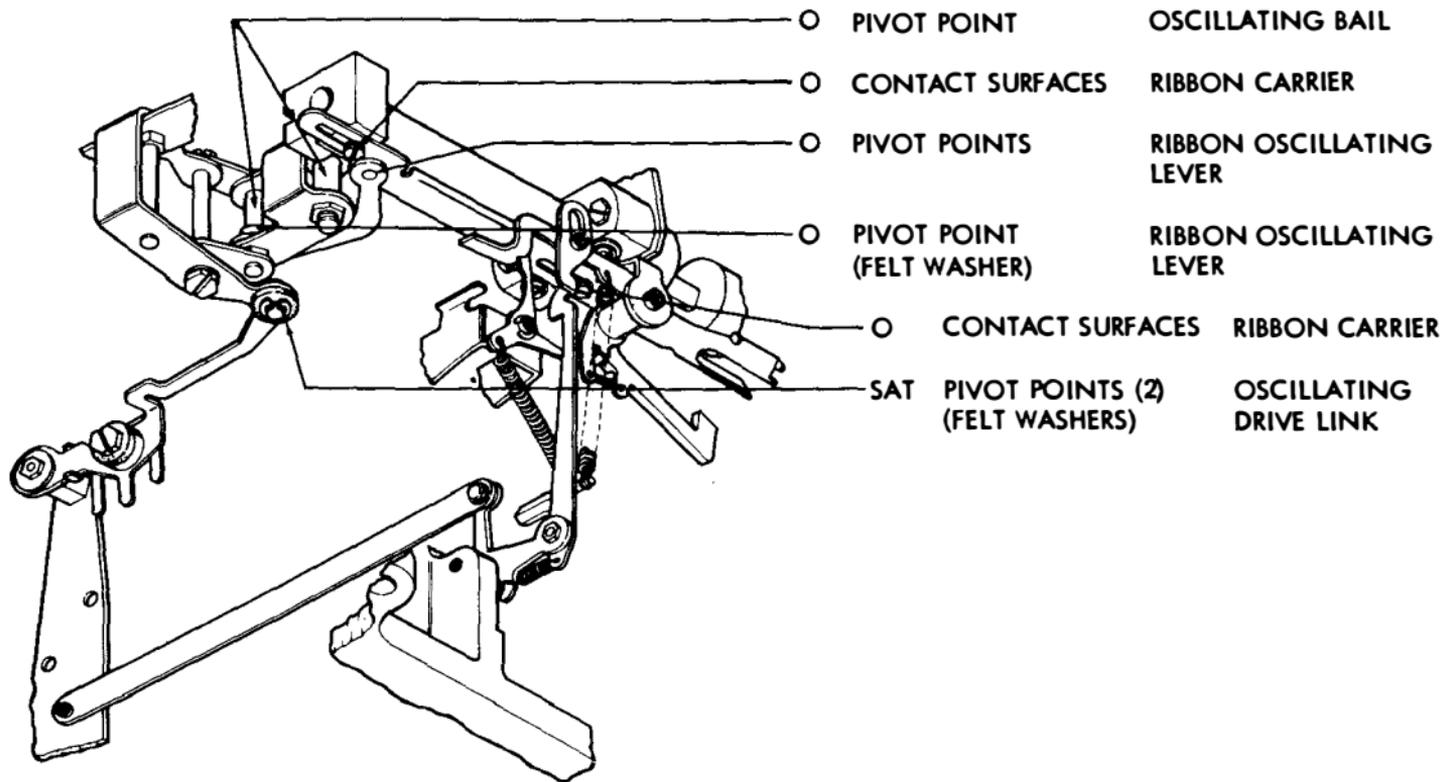
2.19 Function-box Mechanism



2.20 Axial-positioning Mechanism

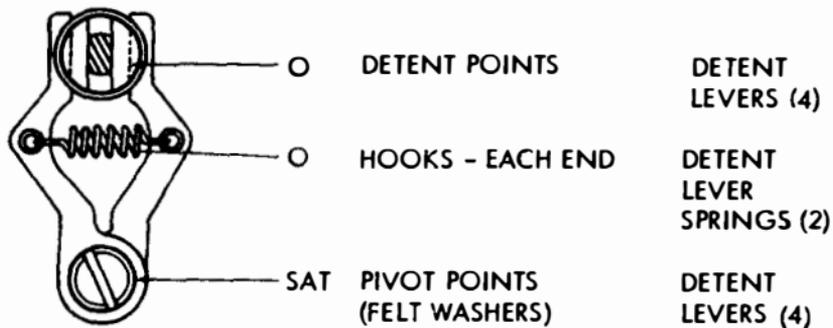


2.21 Axial-positioning Mechanism (Left-side View)

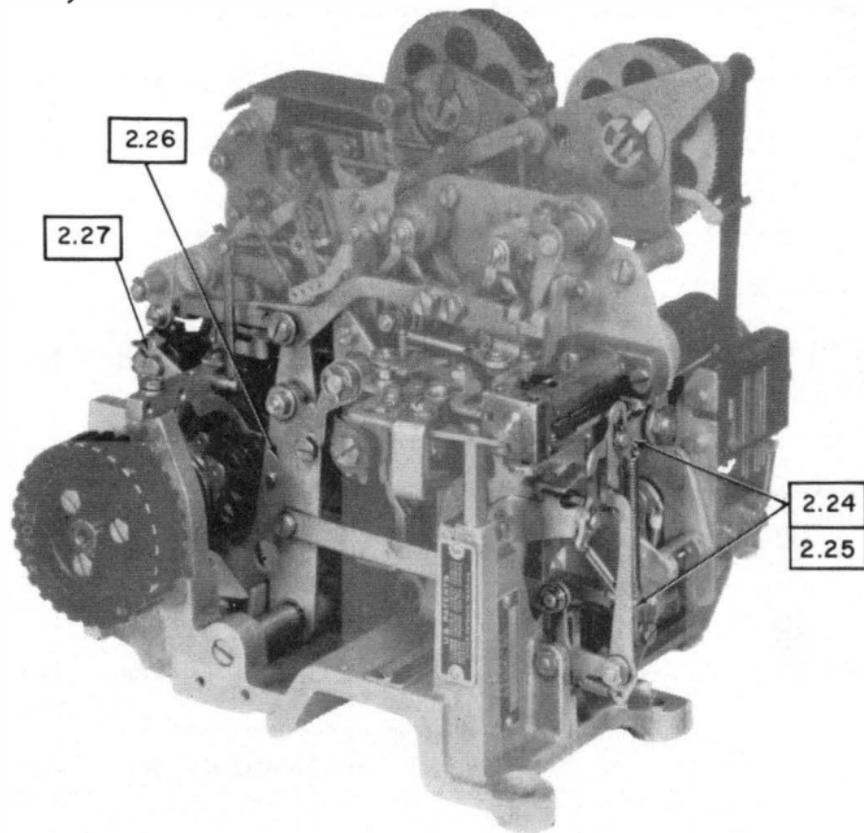


2.22 Detent Assemblies (Bottom View)

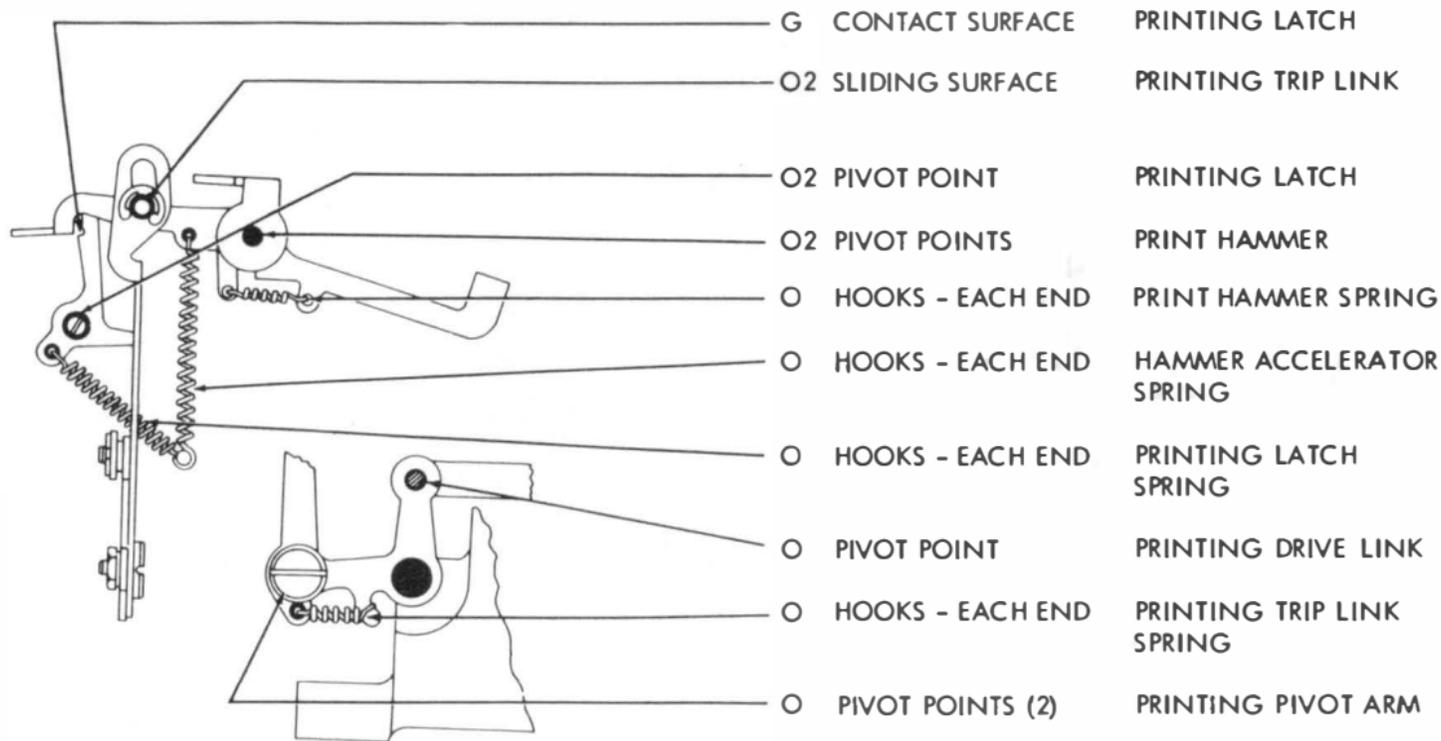
Note: There are two detent assemblies on the axial-positioning mechanism.



2.23 Printing and Rocker-bail Mechanisms and Function-cam Clutch-trip Mechanism
(Rear View)

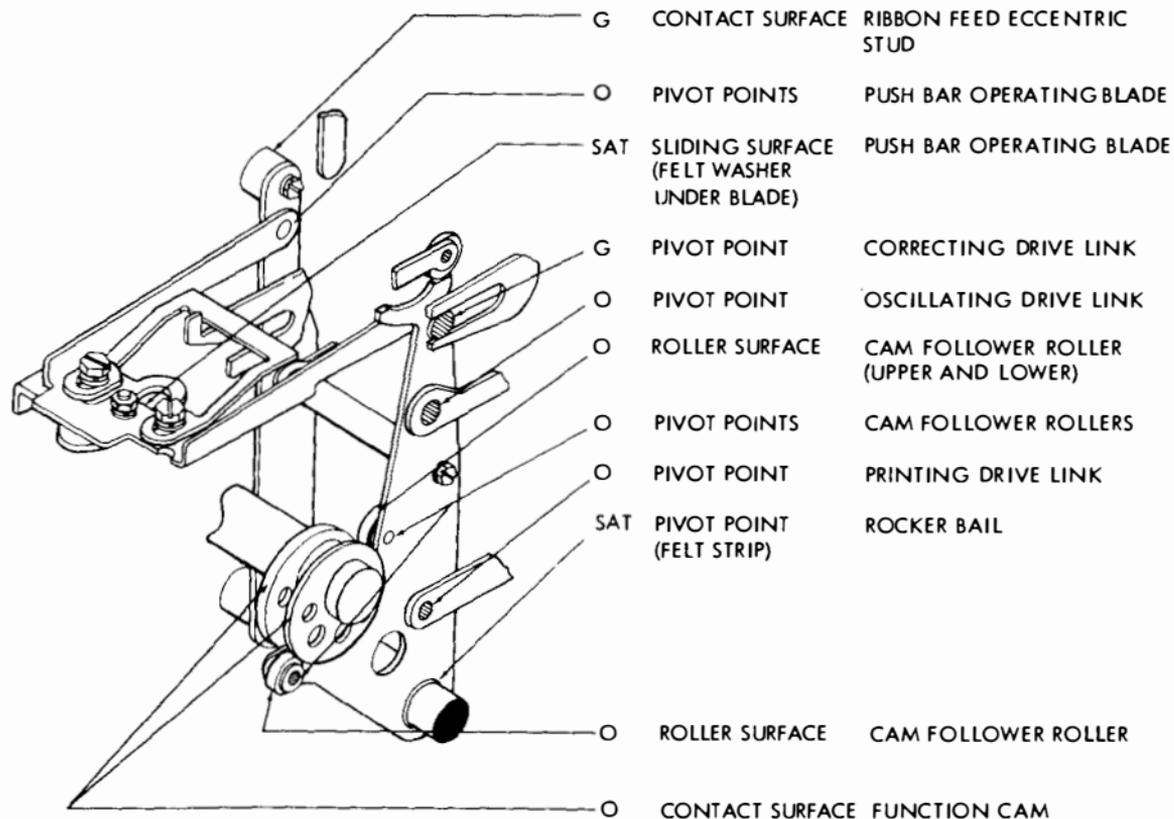


2.24 Printing Mechanism With Steel Print Hammer (Left-side View)

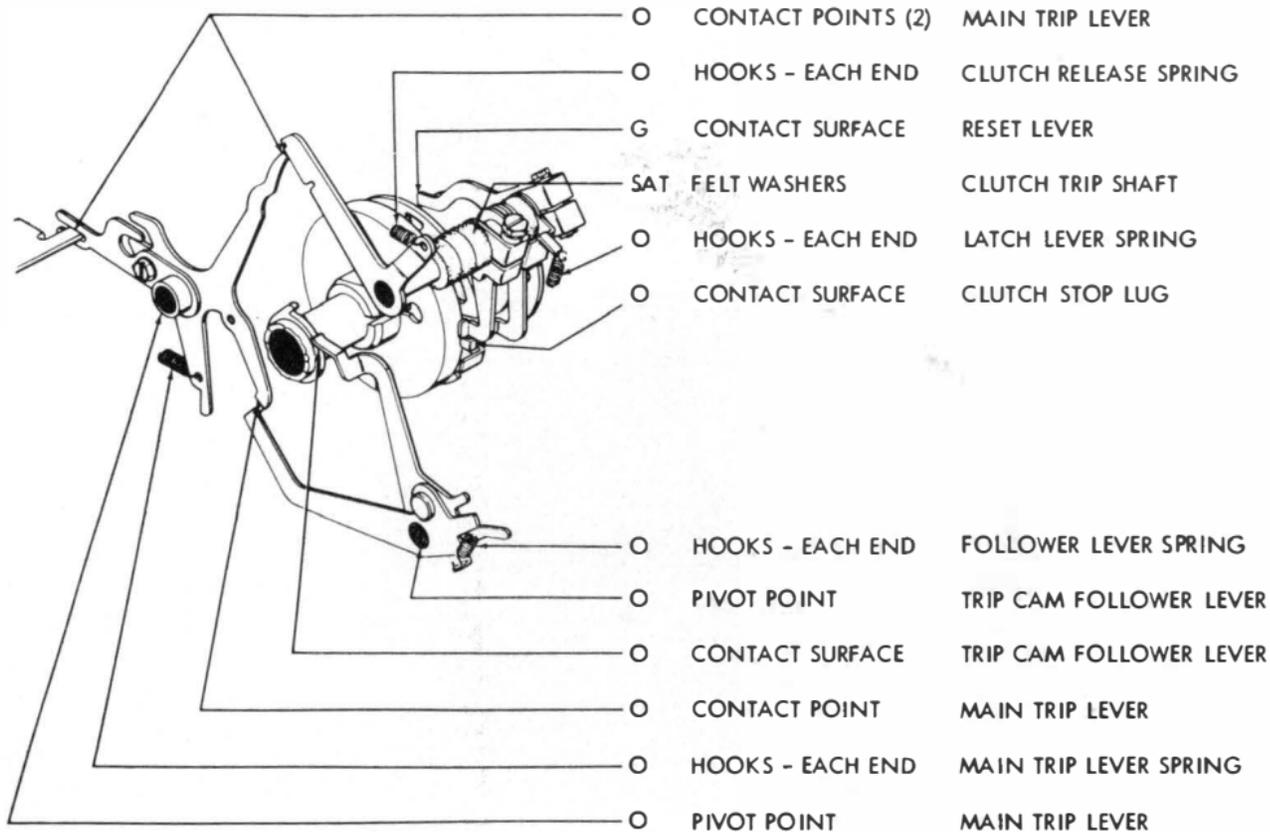


2.25 **Printing Mechanism With Resilient Print Hammer (Left-side View):** The printing mechanism with resilient print hammer (not illustrated) shall be lubricated in the same manner as the steel print hammer shown in 2.24, but in addition, the felt washer between the resilient print hammer accelerator and the frame shall be saturated with oil in accordance with general lubrication procedures. Where a mechanism is equipped with print suppression parts, a thin film of grease shall be applied on print hammer stop at the point of contact with the print hammer lever.

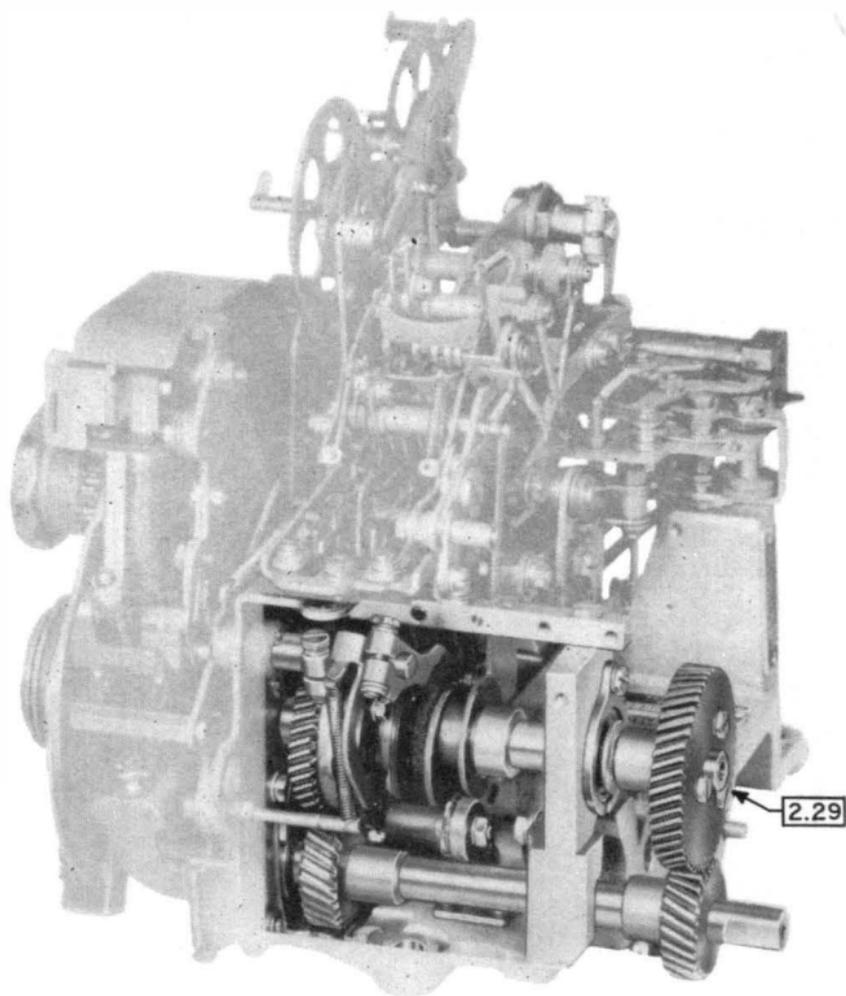
2.26 Rocker-bail Mechanism



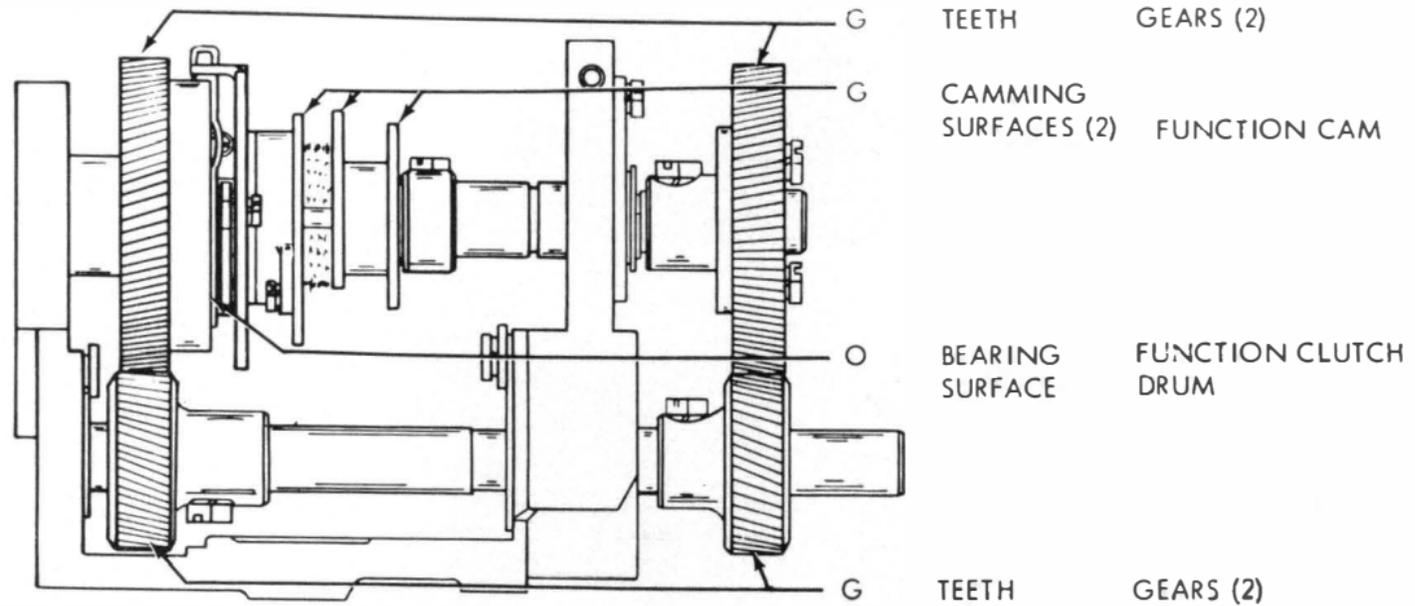
2.27 Function-cam Clutch-trip Mechanism



2.28 Main-shaft and Jack-shaft Mechanisms (Two-shaft Unit)

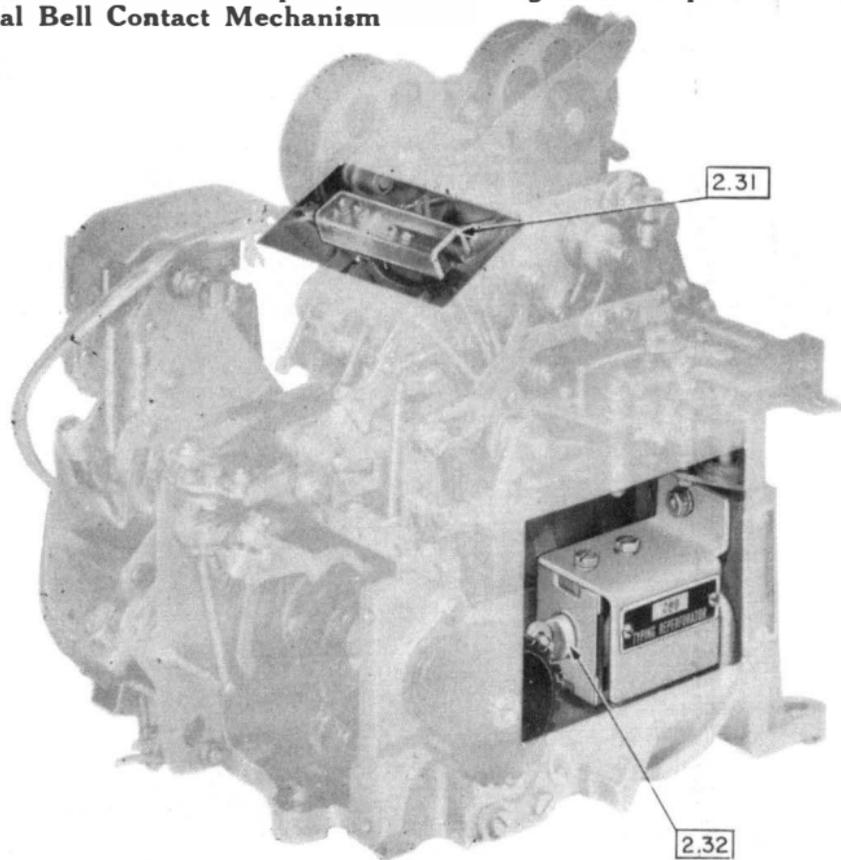


2.29 Main-shaft and Jack-shaft Mechanisms (Two-shaft Unit)

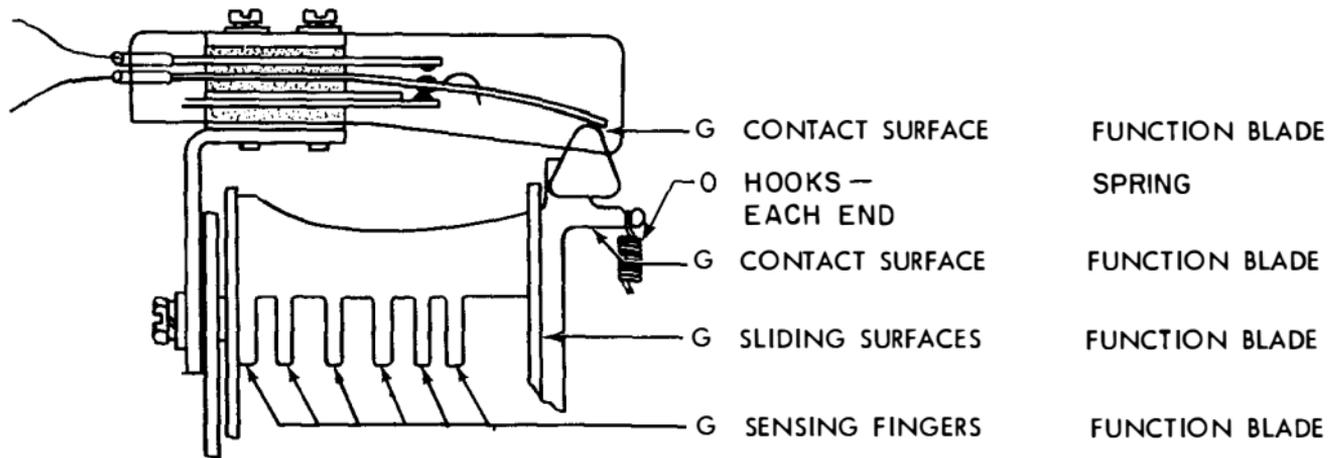


B. Variable Features

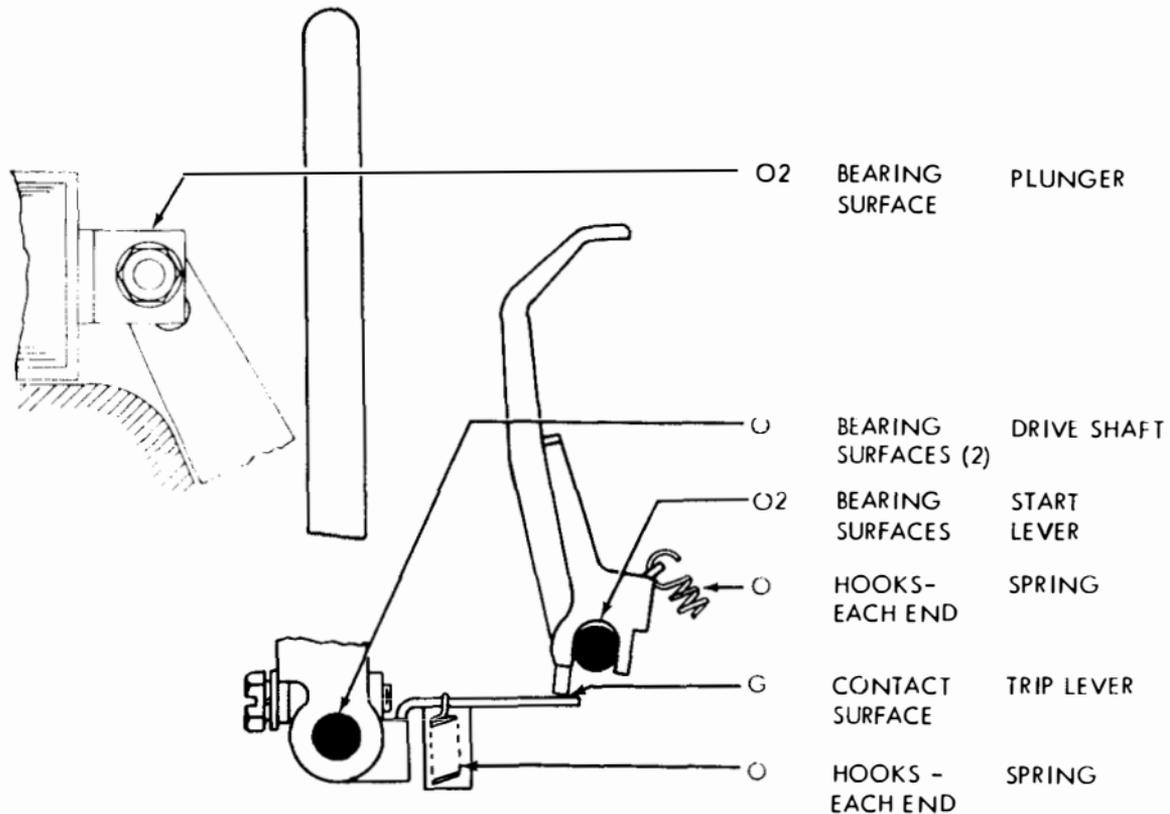
- 2.30 Manual- and Solenoid-operated Interfering LTRS Tape Feed-out Mechanism and Signal Bell Contact Mechanism



2.31 Signal Bell Contact Mechanism
(Right-side View)

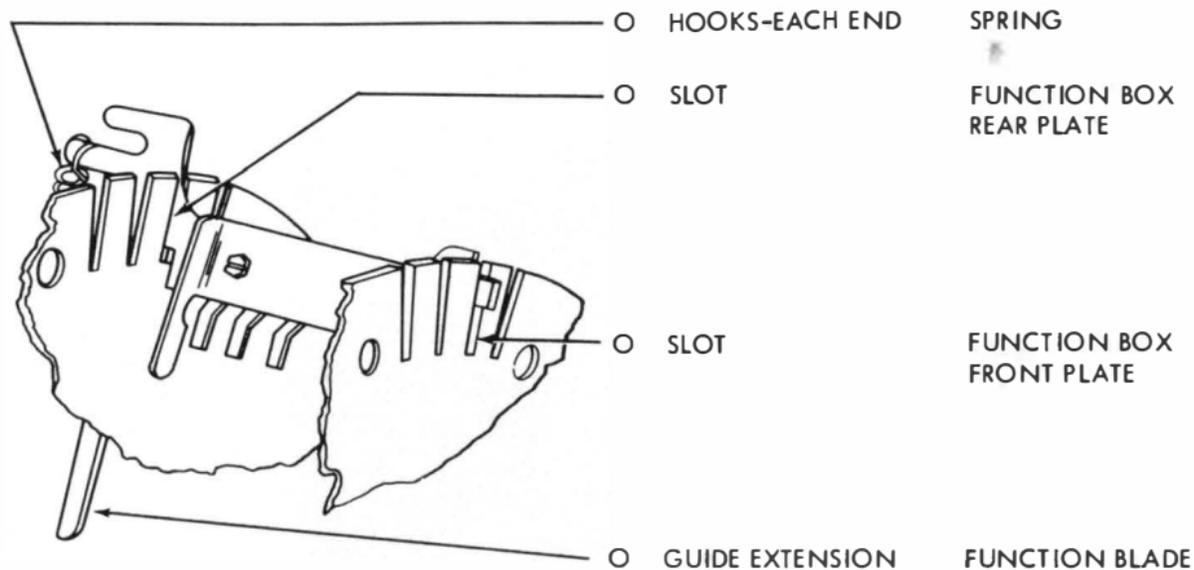


2.32 Manual- and Solenoid-operated Interfering LTRS Tape Feed-out Mechanism

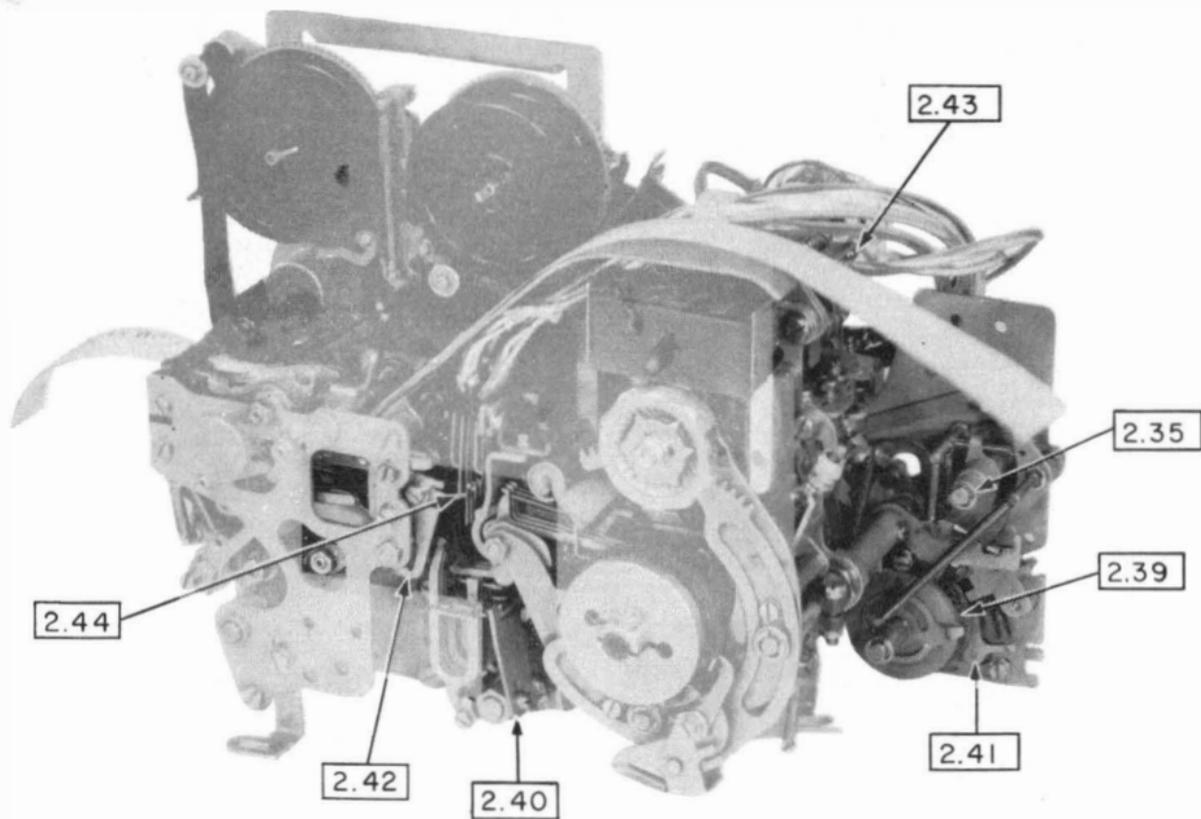


2.33 Unshift-on-Space Mechanism

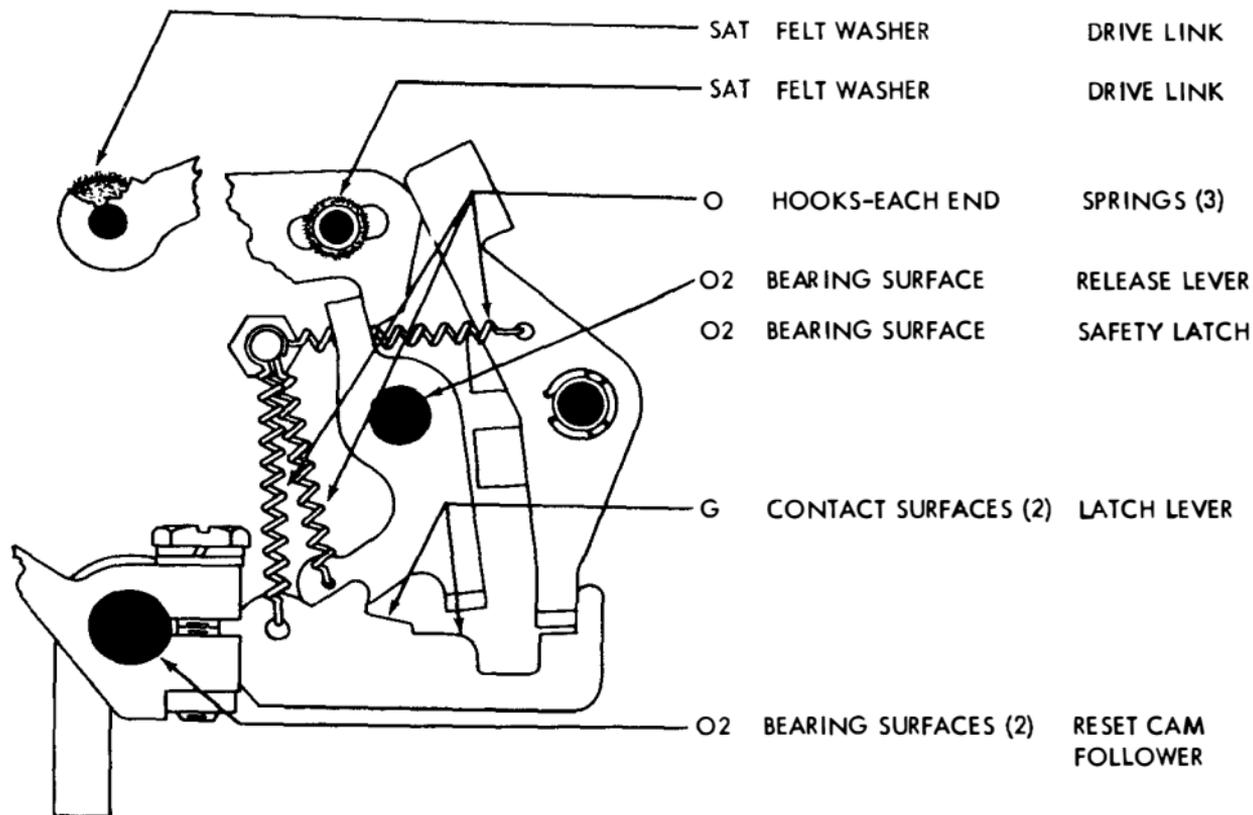
Note: This feature is associated with the function-box mechanism, see 2.18.



2.34 Automatic and Remote-control Noninterfering LTRS Tape Feed-out Mechanisms

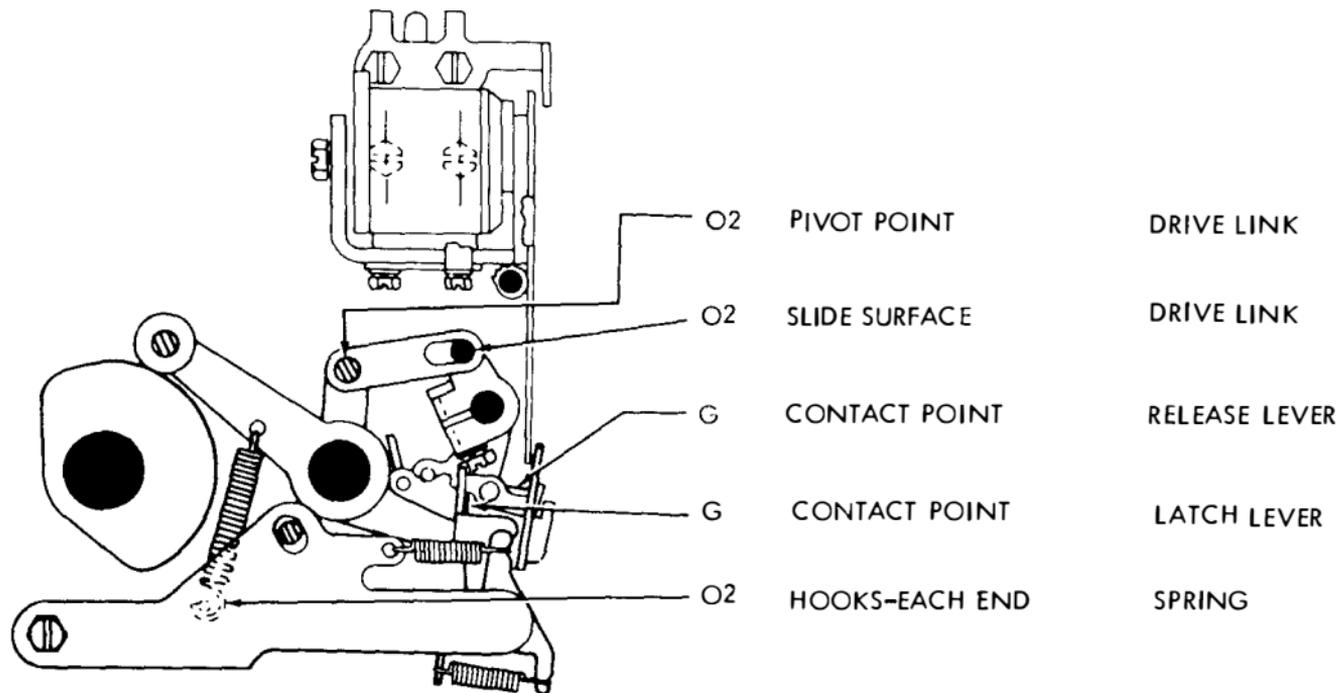


2.35 Automatic Noninterfering LTRS Tape Feed-out Mechanism



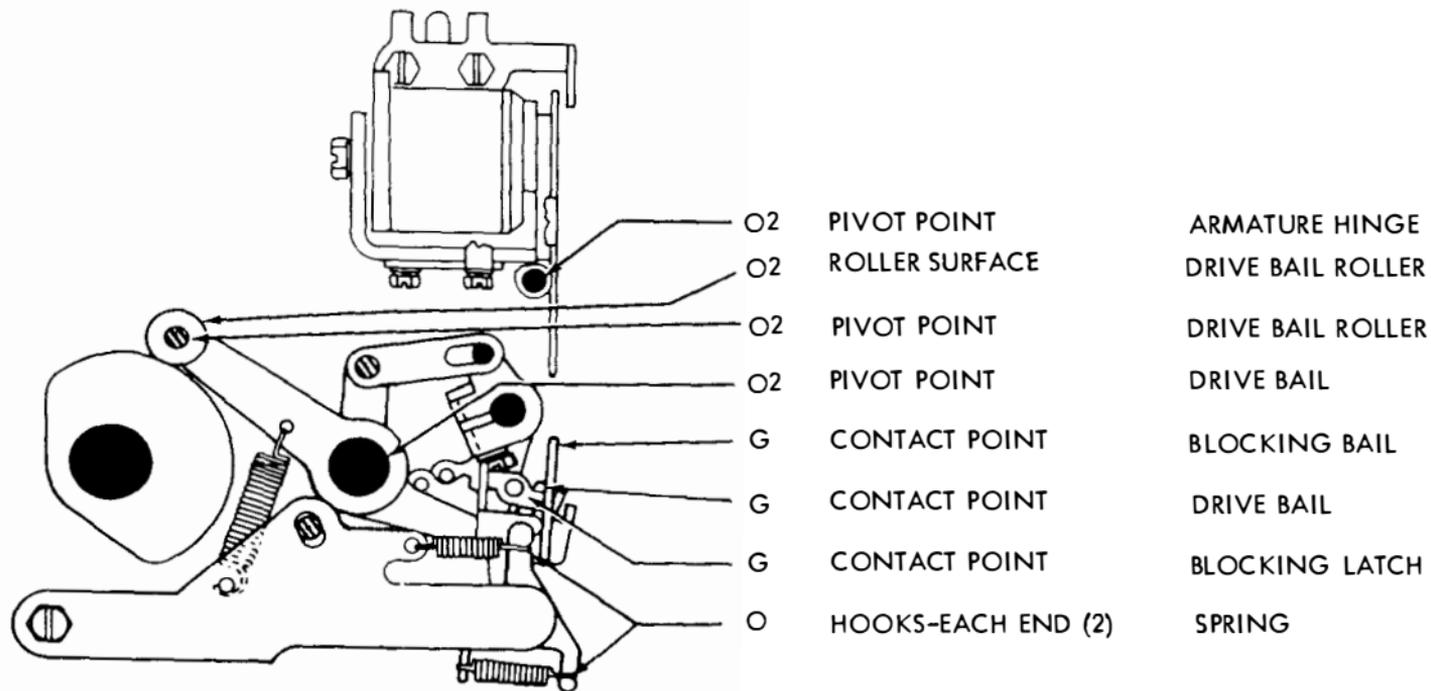
2.36 Remote-control Noninterfering LTRS Tape Feed-out Mechanism

Note: For general location of this mechanism, refer to 2.34.



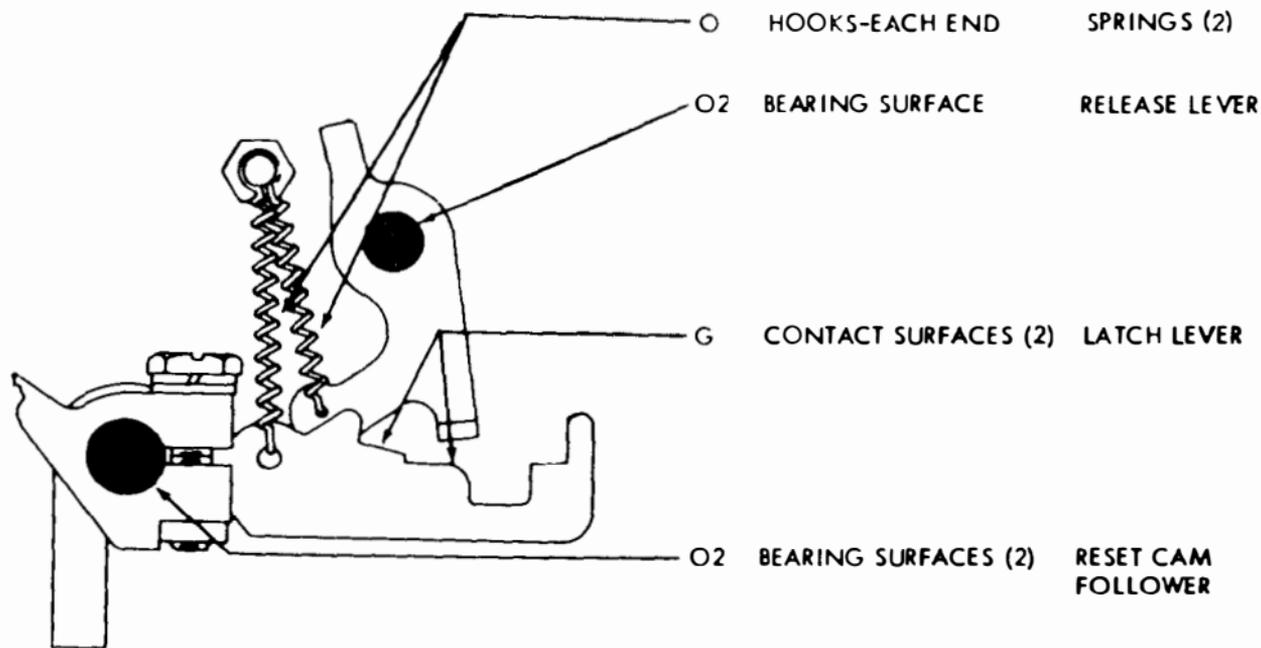
2.37 Remote-control Noninterfering LTRS Tape Feed-out Mechanism

Note: For general location of this mechanism, refer to 2.34.

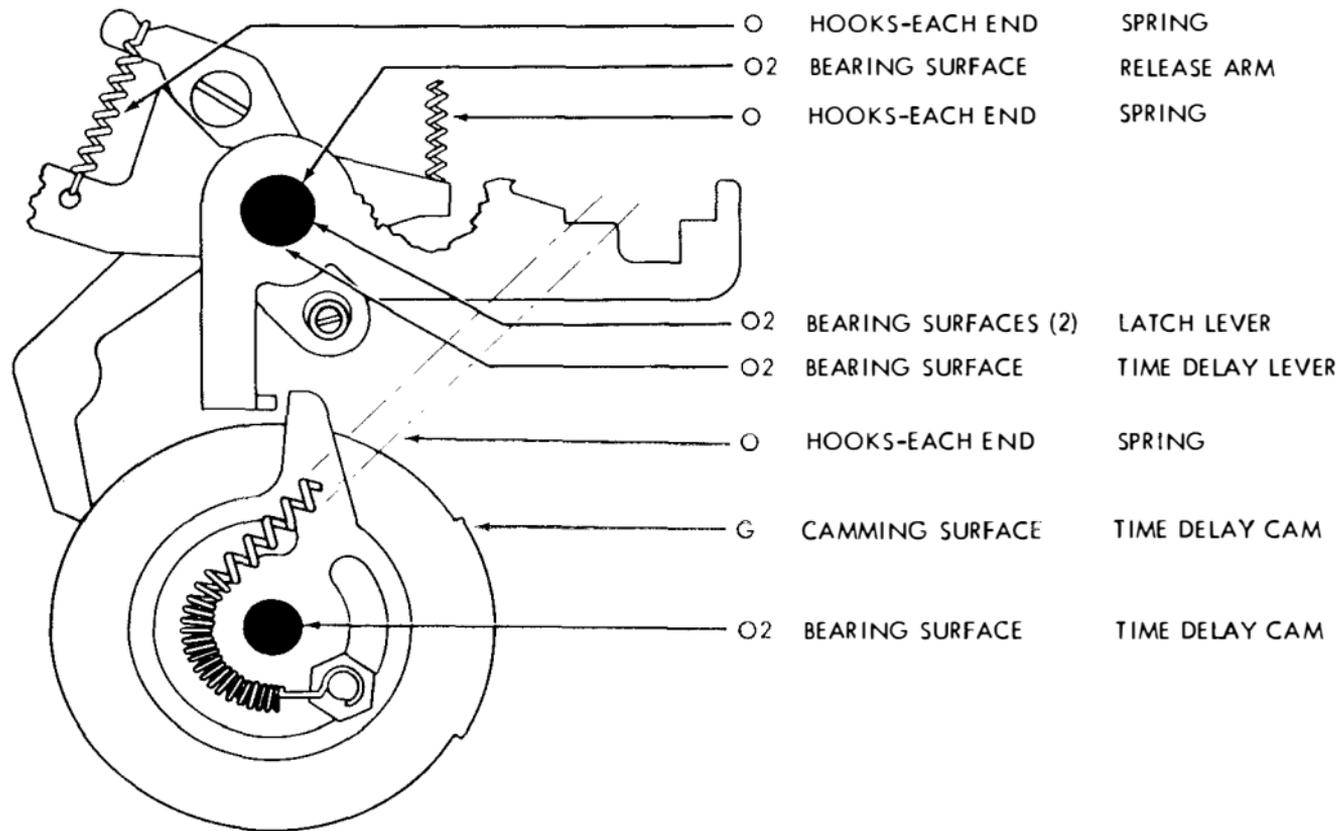


2.38 Remote-control Noninterfering LTRS Tape Feed-out Mechanism

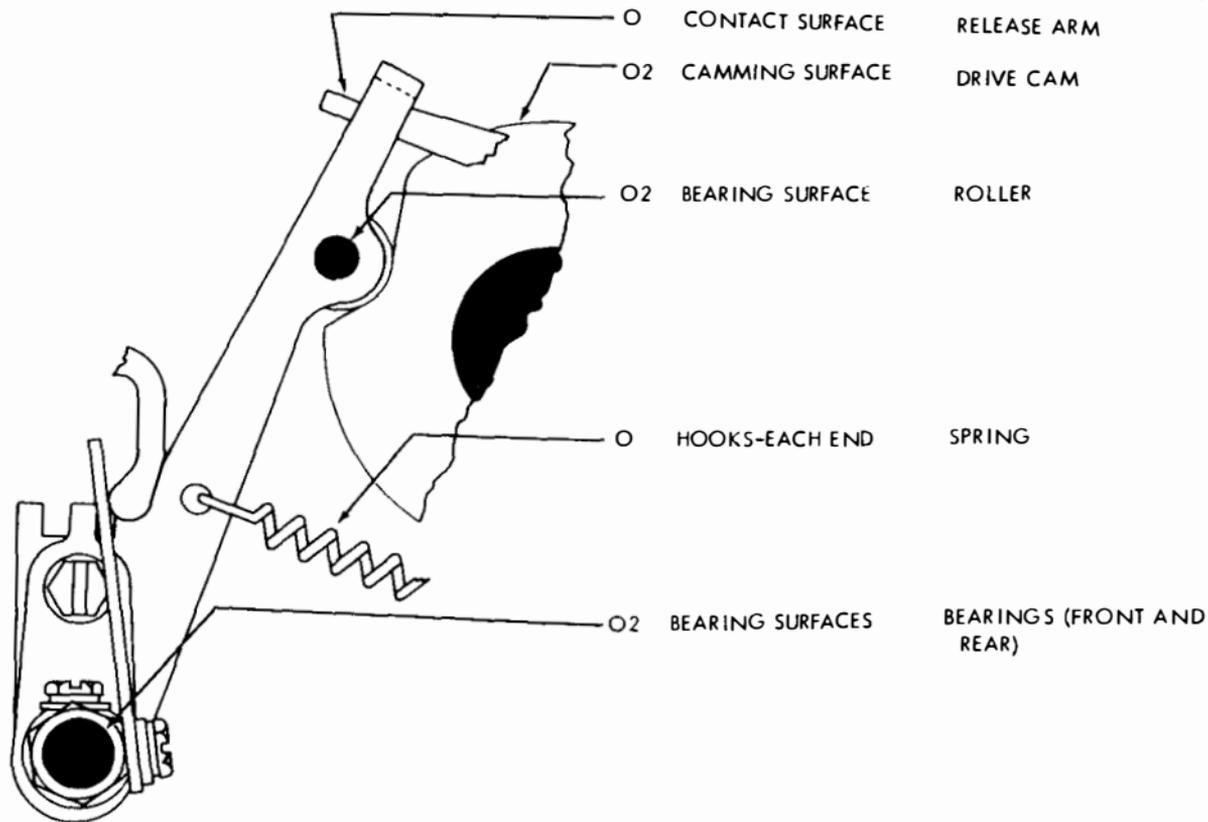
Note: For general location of this mechanism, refer to 2.34.



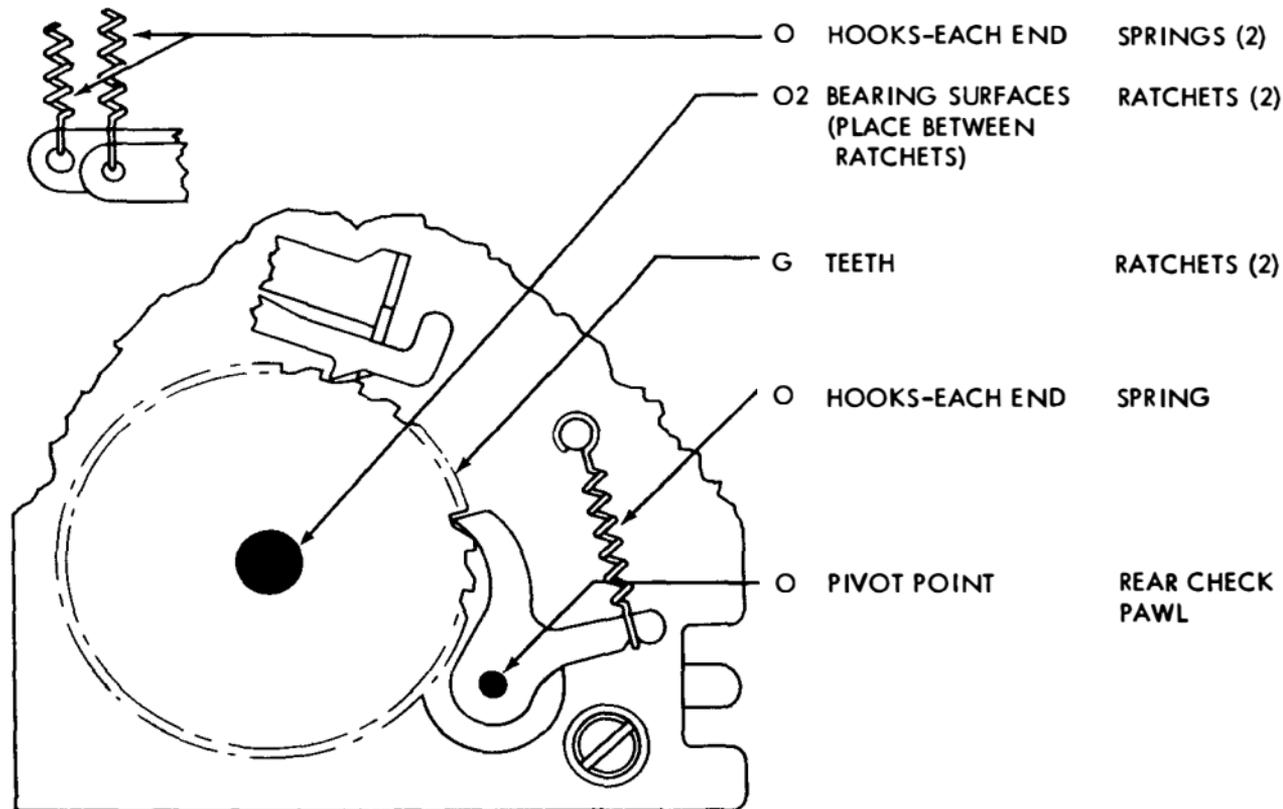
2.39 Automatic and Remote-control Noninterfering LTRS Tape Feed-out Mechanisms



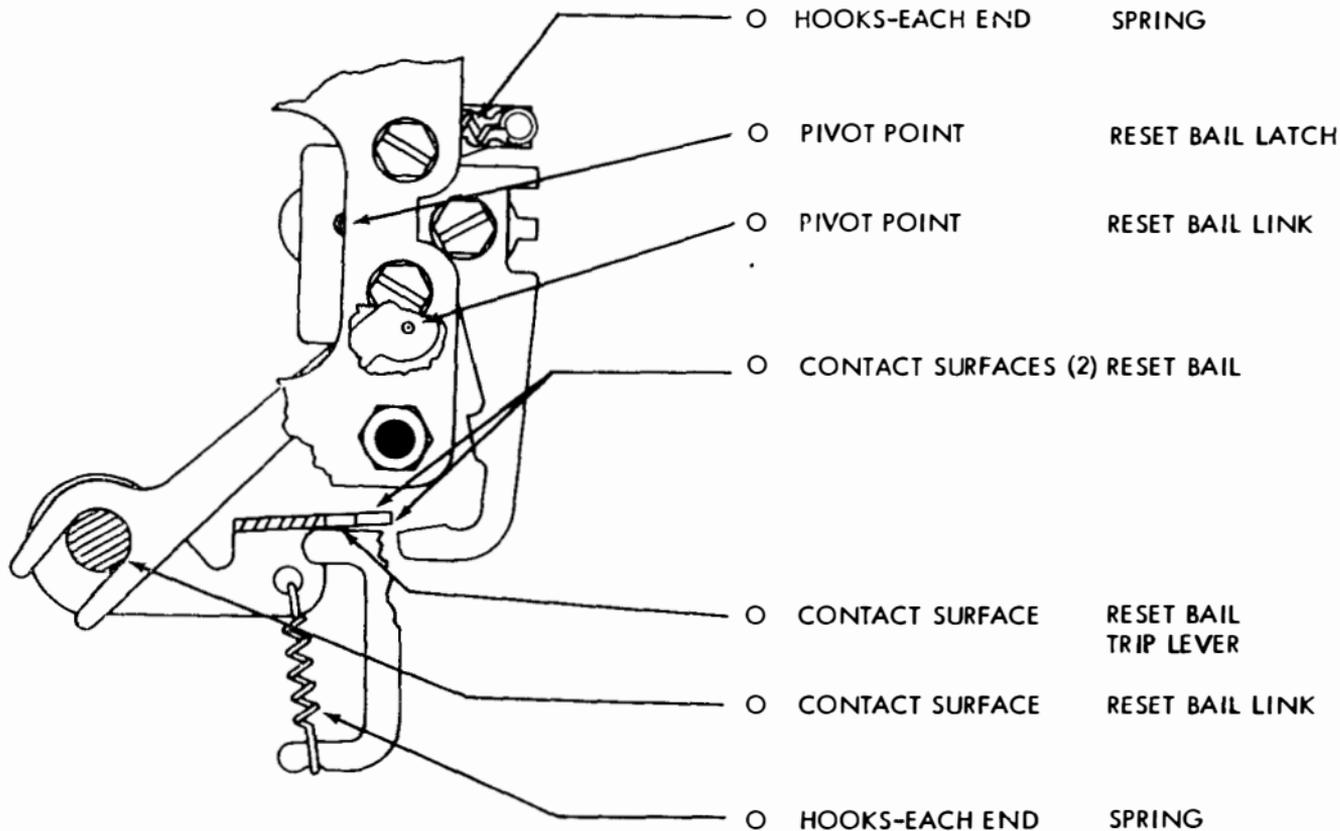
2.40 Automatic and Remote-control Noninterfering LTRS Tape Feed-out Mechanisms



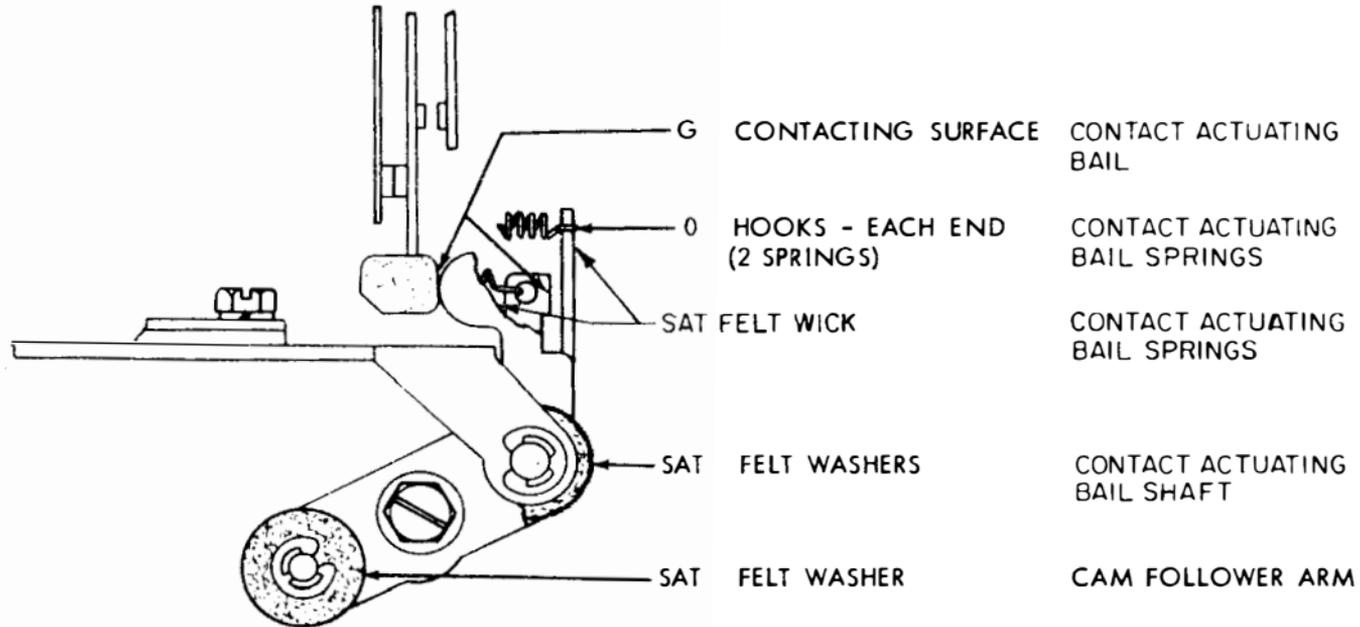
2.41 Automatic and Remote-control Noninterfering LTRS Tape Feed-out Mechanisms



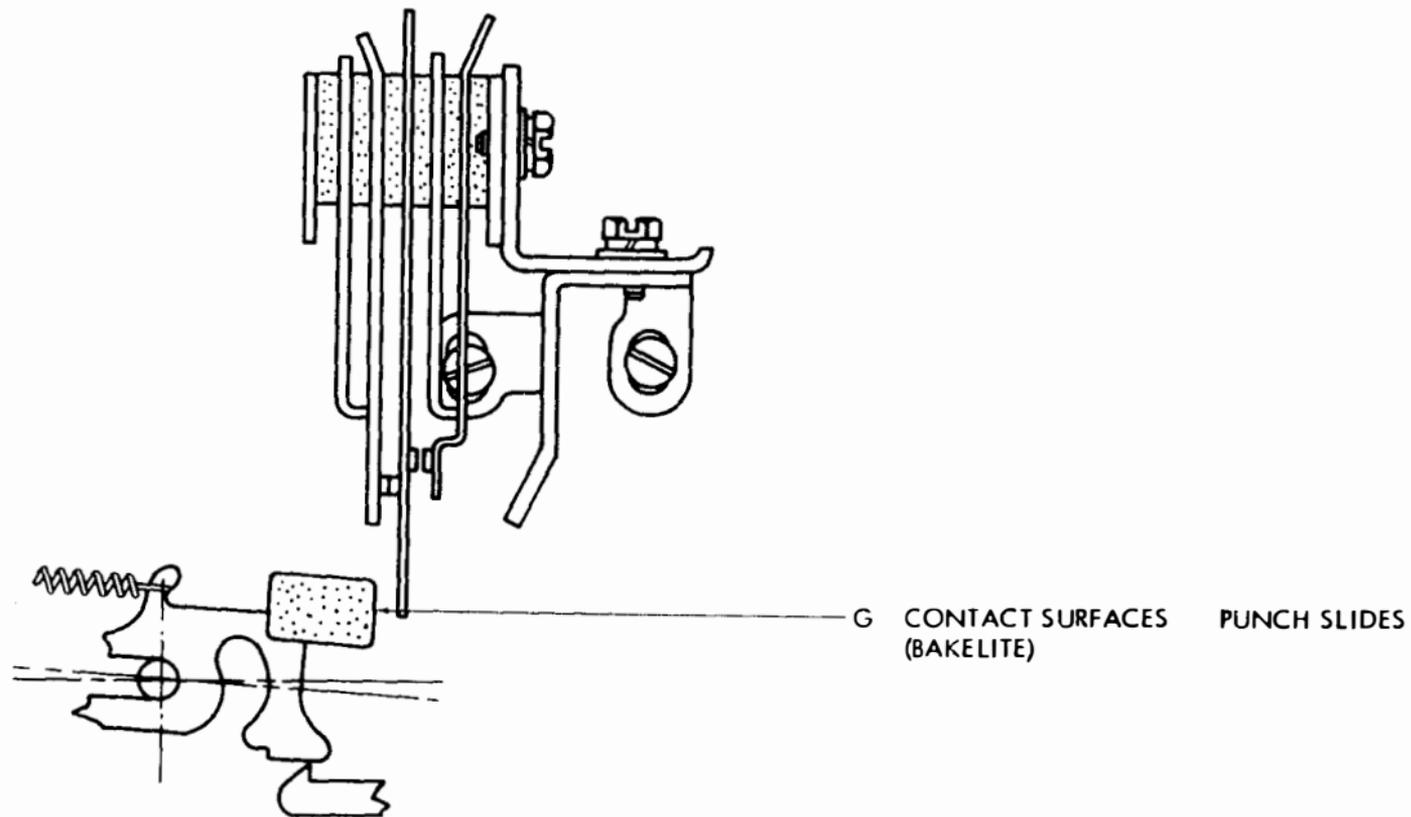
2.42 Automatic and Remote-control Noninterfering LTRS Tape Feed-out Mechanisms



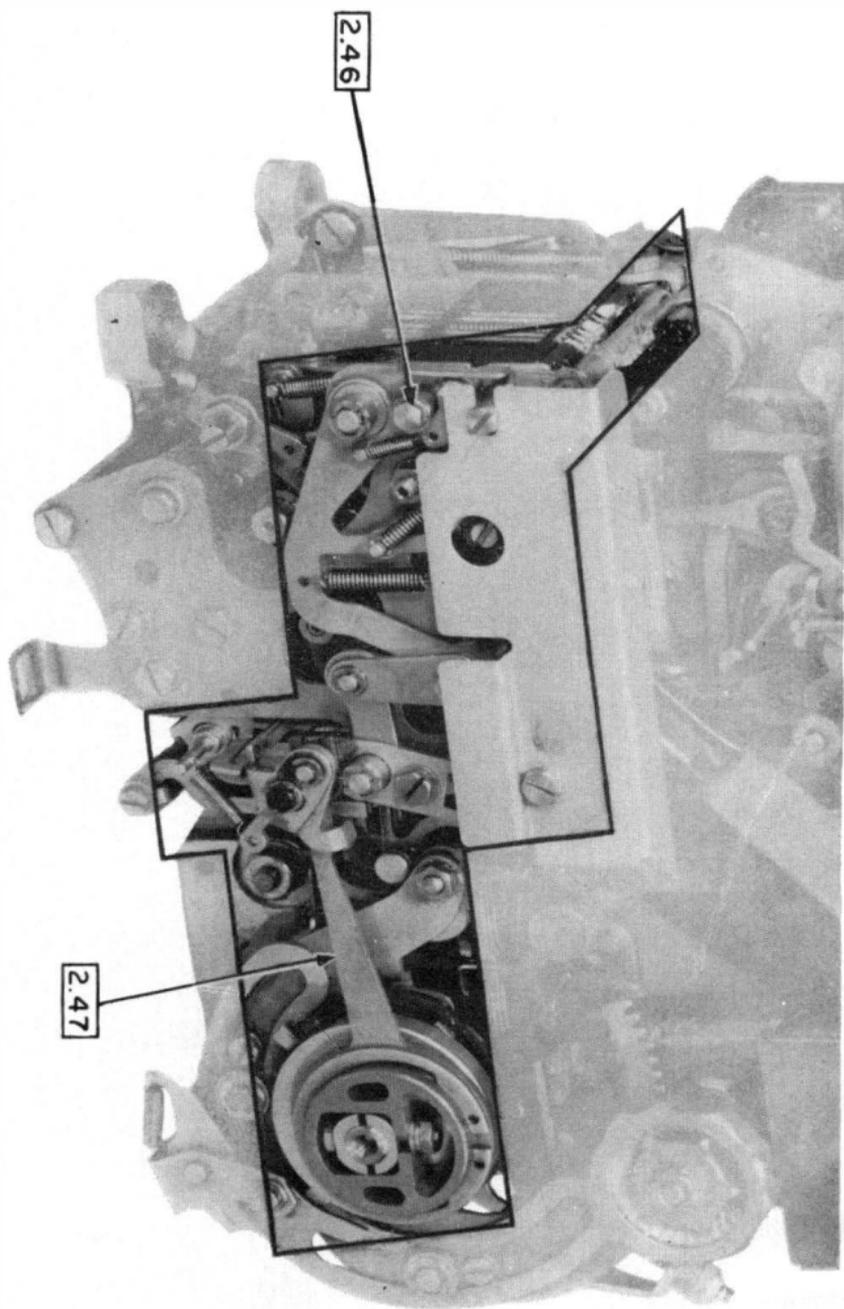
2.43 Timing Contacts



2.44 Code-reading Contacts



2.45 Manual and Power-drive Backspace Mechanisms



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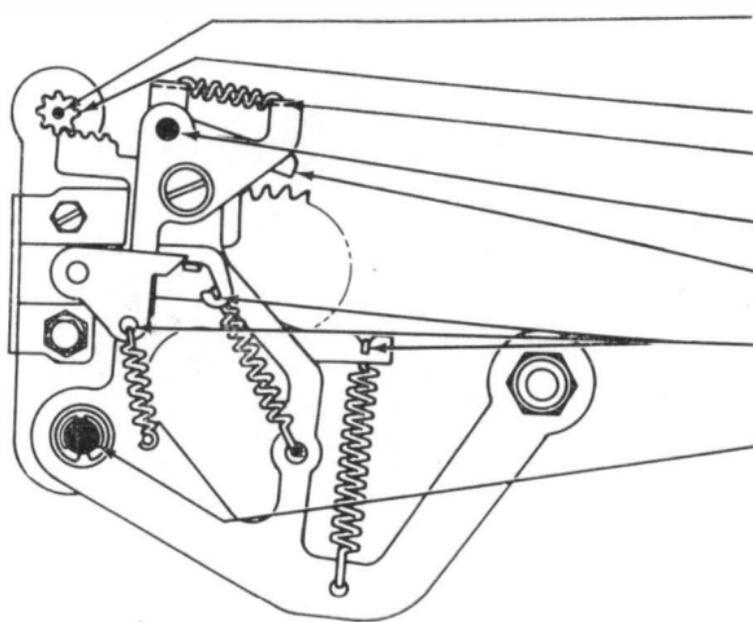
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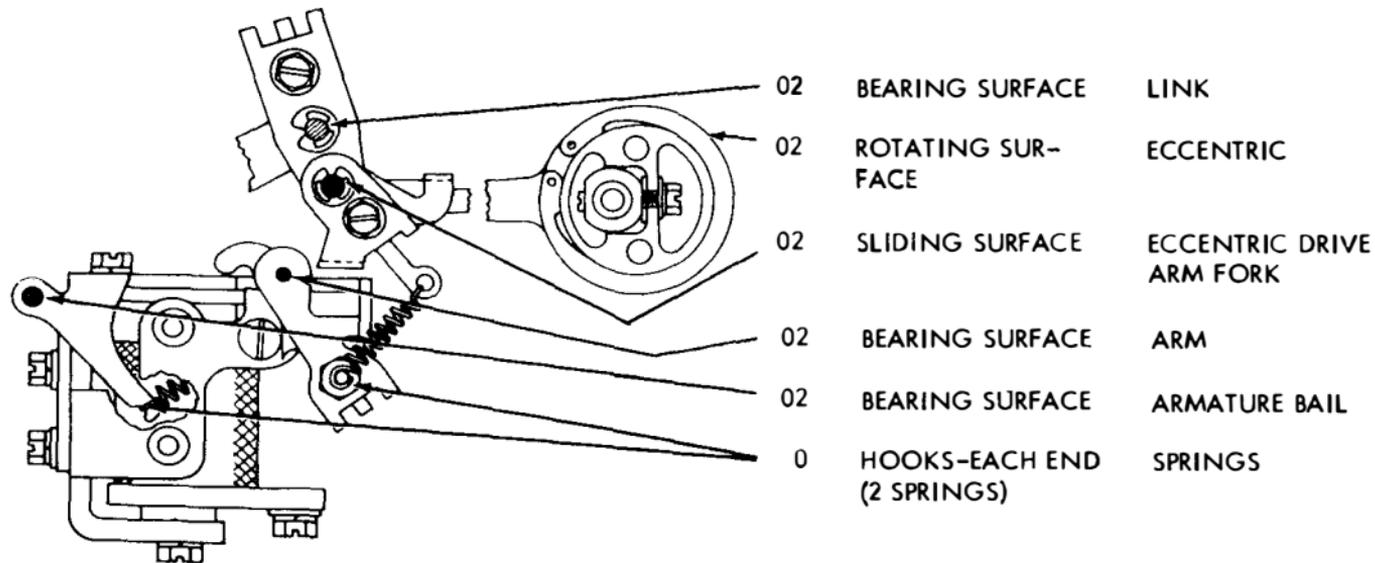
FORATOP

2.46 Manual Backspace Mechanism

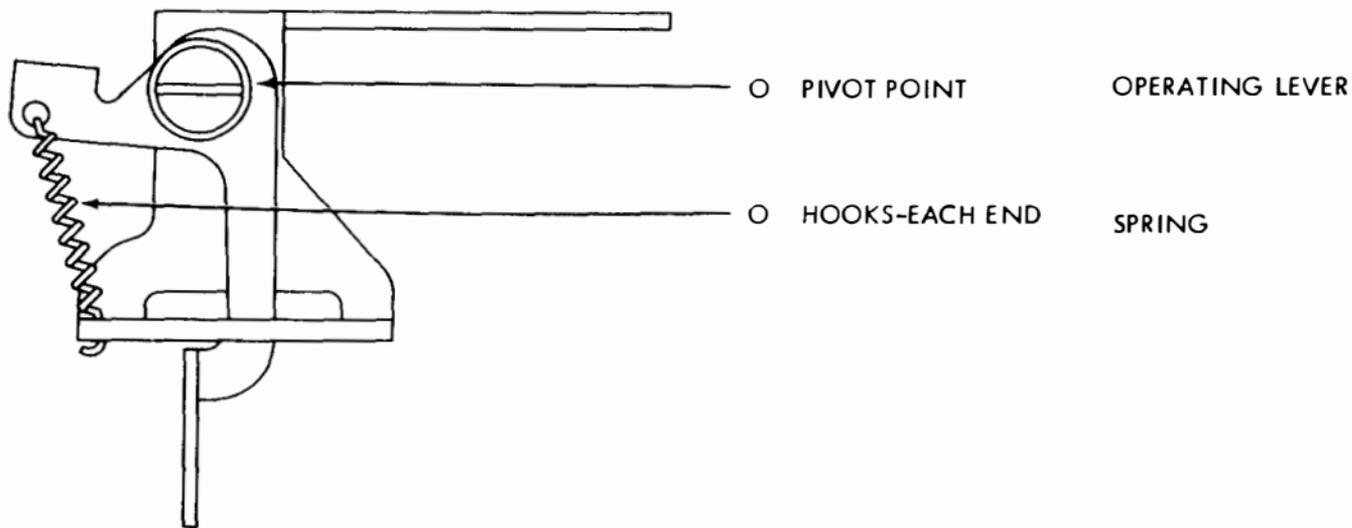


02	BEARING SURFACE (REAR)	RAKE SHAFT
G	GEAR TEETH	GEAR SEGMENT
0	HOOKS-EACH END	PAWL SPRING
02	BEARING SURFACE	FEED PAWL
G	CONTACT SURFACE	FEED PAWL
0	HOOKS-EACH END (3 SPRINGS)	SPRING
0	BEARING SURFACE	BELL CRANK

2.47 Power-drive Backspace Mechanism



2.48 LTRS-FIGS Contact Mechanism



3. ASSOCIATED BELL SYSTEM PRACTICE

3.01 The following Bell System Practice provides additional information that may be required in connection with this section.

<u>Subject</u>	<u>Section</u>
Alphabetical Index of 28-type Equipment, Bell System Practices, and Associated 28 ASR Station Drawings	P34.001

CHANGES AUTHORIZED BY P98 SERIES BELL SYSTEM PRACTICES

<u>Paragraph</u>	<u>Mechanism</u>	<u>Includes Changes as Authorized by Section</u>
2.04 and 2.05	Ribbon-feed Mechanism With Helical Springs	P98.817
2.25	Printing Mechanism	P98.856

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