

BELL SYSTEM PRACTICES
Teletypewriter and Data Stations

SECTION P34.522
Issue 2, June, 1963
AT&TCo Standard

28 SINGLE-MAGNET NONTYPING REPERFORATOR LUBRICATION

CONTENTS	PARAGRAPH
1. GENERAL	1.01-1.04
2. LUBRICATION DETAILS	2.01-2.19
3. VARIABLE FEATURES	3.01-3.19
4. ASSOCIATED BELL SYSTEM PRACTICE....	4.01

1. GENERAL

1.01 This section contains the specific lubrication procedures for the 28 single-magnet nontyping reperforator used as a component in various types of 28 teletypewriter apparatus. 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 the lubrication information in accordance with the change authorized for this apparatus by P98. series Bell System Practice listed at the end of the section, to include other authorized revisions and additions so as to bring the section generally up to date, and to change the title. Since this is a general revision, the arrows ordinarily used to indicate changes have been omitted.

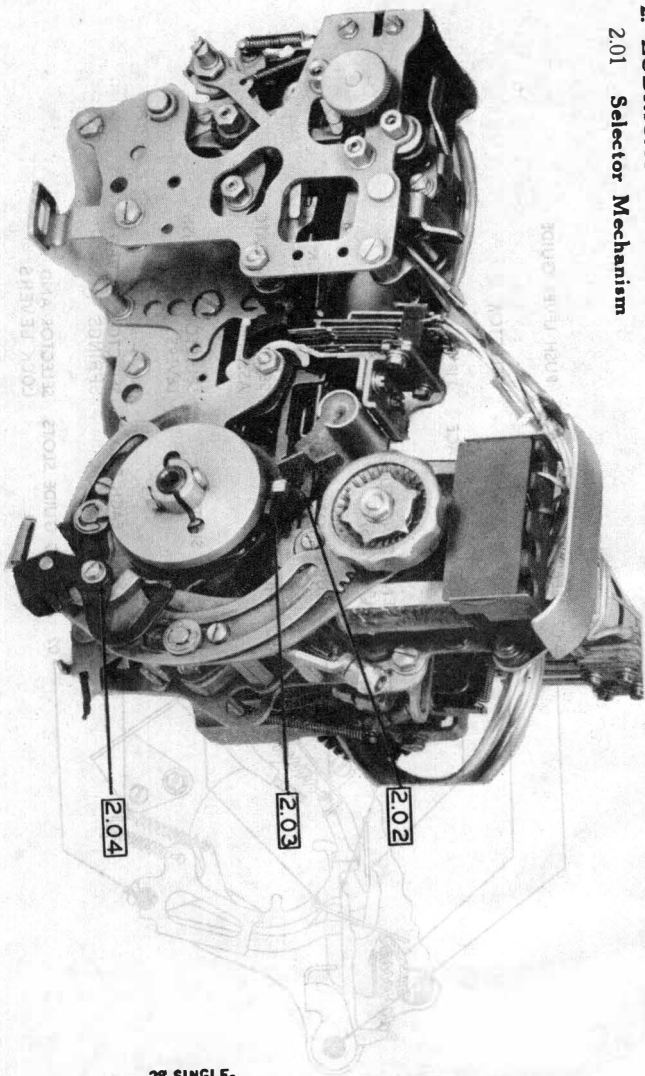
1.03 The lubrication symbols used herein are the same as those in the general section. However, the symbol **0** is used in this section to mean only one drop of oil. Symbols, such as **02** and **04**, are used to indicate respectively two or four drops of oil.

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:

- (a) Lubricate every 500 hours of operation or every six months, whichever occurs first.

2. LUBRICATION DETAILS

2.01 Selector Mechanism

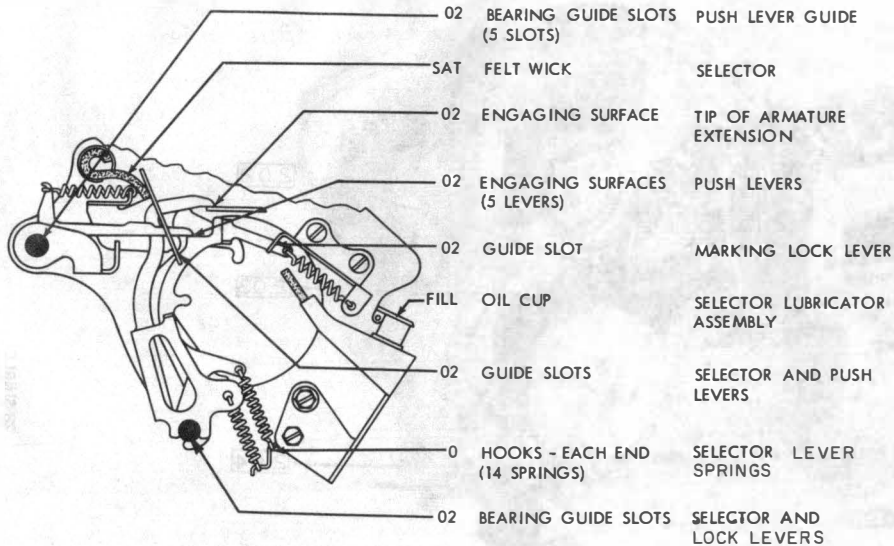


28 SINGLE-
MAGNET
NON TYPING
REPER-
FORATOR

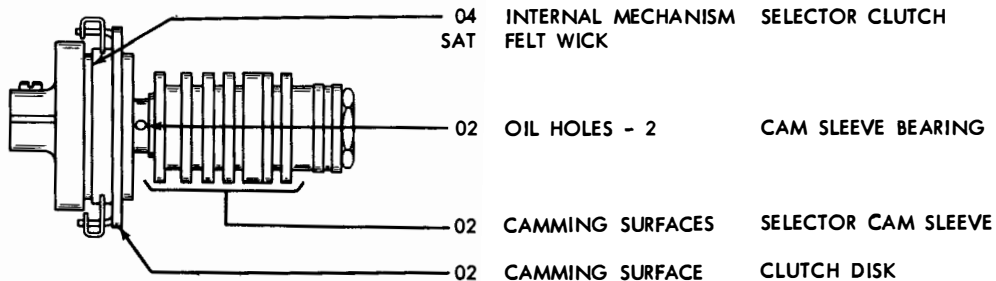
P34.522

Page 3

2.02 Selector Mechanism



2.03 Selector Cam and Clutch Mechanism

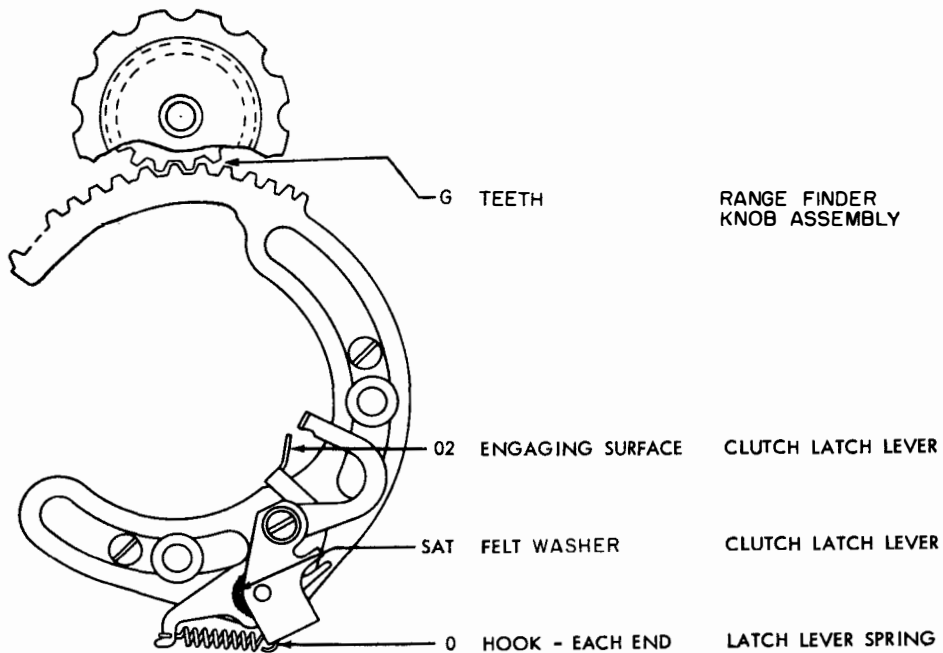


28 SINGLE-
MAGNET
NON TYPING
REPER-
FORATOR

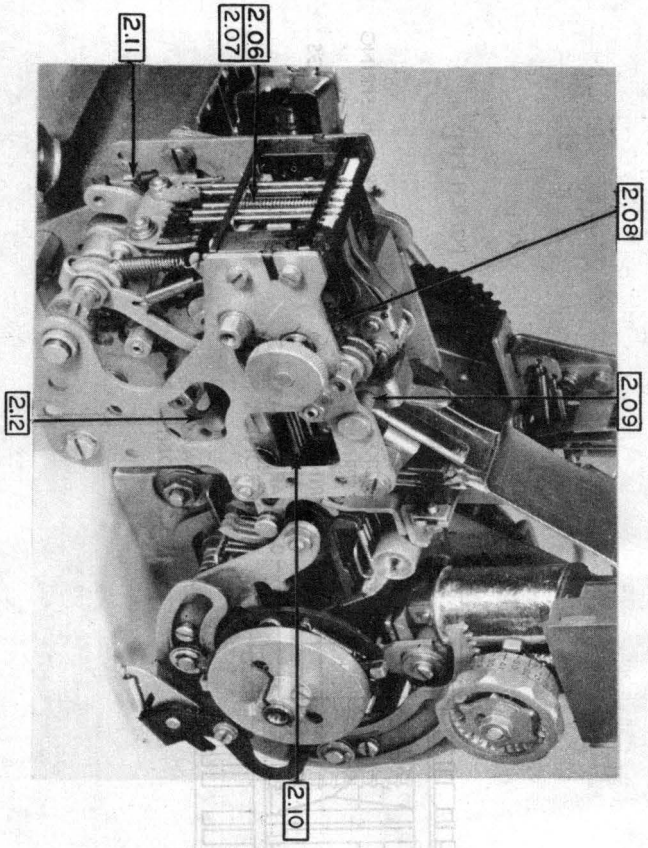
P34.522

Page 5

2.04 Range Finder Mechanism

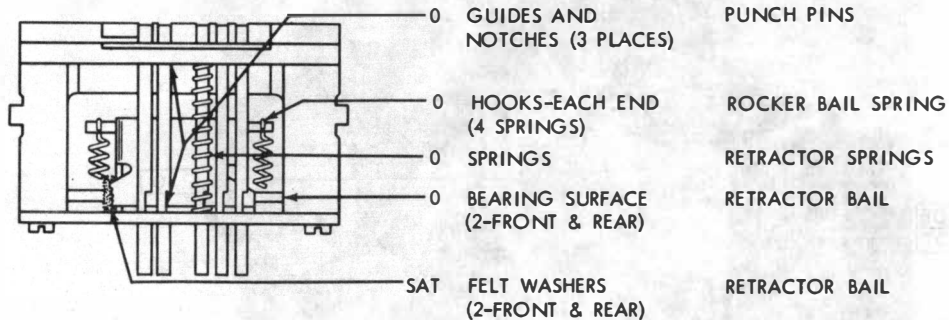


2.05 Punch Mechanism for Chadless Tape and Fully Perforated Tape

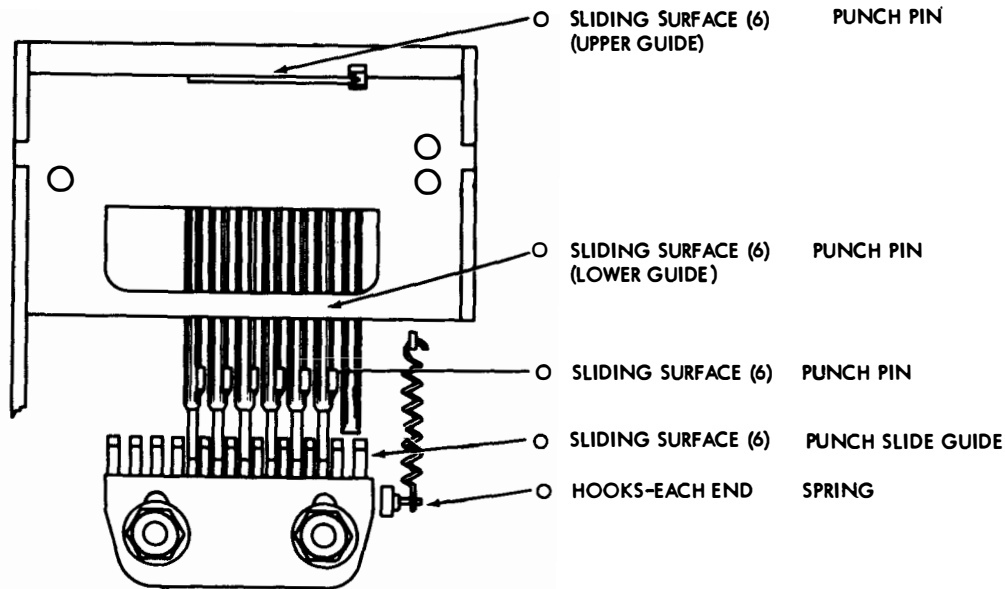


28 SINGLE-
MAGNET
NONTYPING
REPER-
FORATOR

2.06 Punch-pin and Retractor Bail Mechanism for Chadless Tape



2.07 Punch-pin Mechanism for Fully Perforated Tape

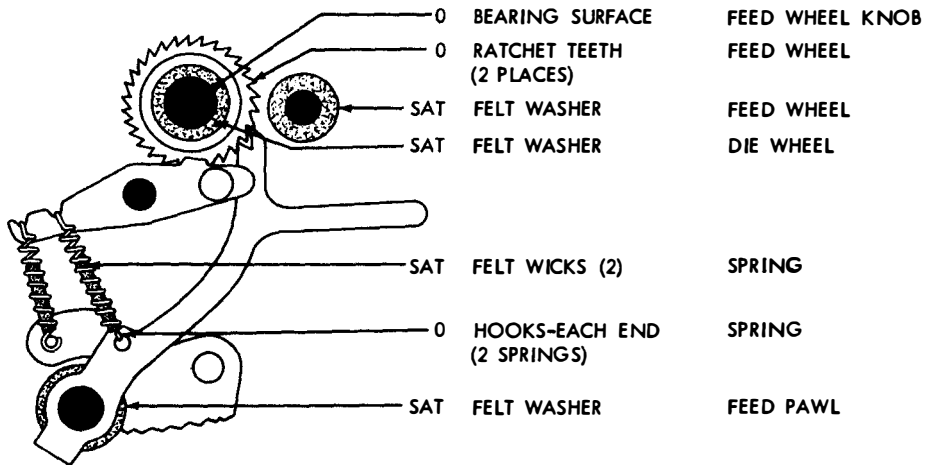


28 SINGLE-
MAGNET
NON TYPING
REPER-
FORATOR

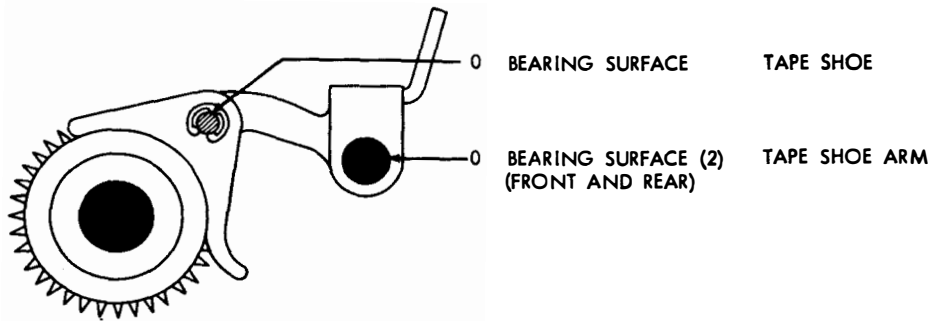
P34.522

Page 9

2.08 Feed-wheel Mechanism for Chadless Tape and Fully Perforated Tape



2.09 Tape-shoe Mechanism for Chadless Tape and Fully Perforated Tape

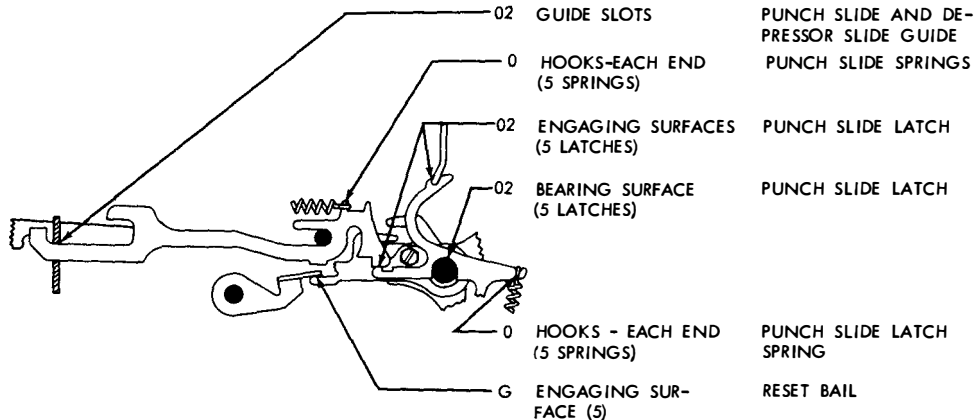


28 SINGLE-
MAGNET
NONTYPING
REPER-
FORATOR

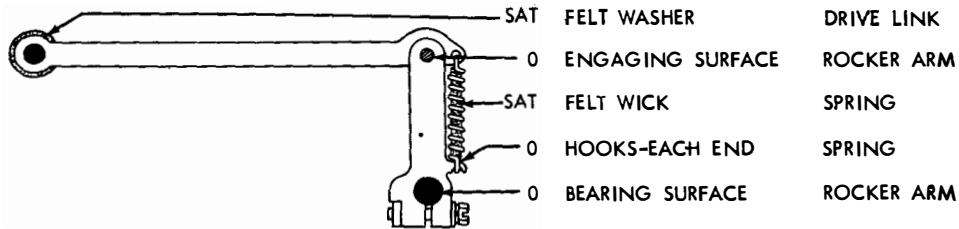
P34.522

Page 11

2.10 Punch-slide Mechanism for Chadless Tape and Fully Perforated Tape



2.11 Rocker Arm Mechanism for Chadless Tape and Fully Perforated Tape

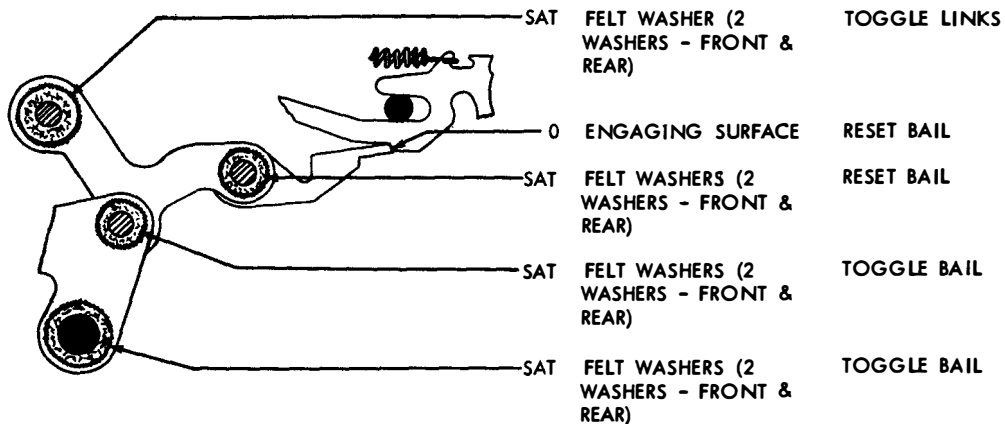


28 SINGLE-
MAGNET
NONTYPING
REPER-
FORATOR

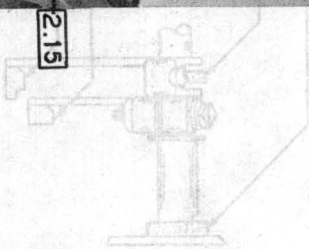
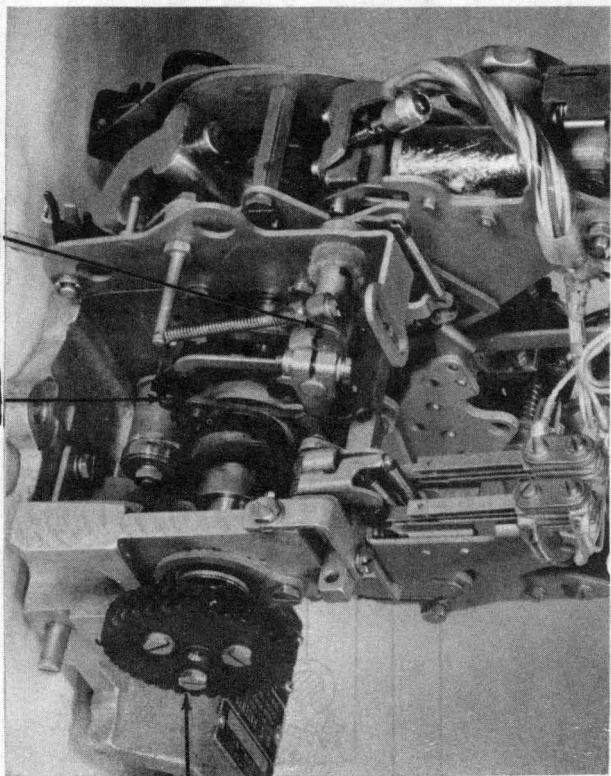
P34.522

Page 13

2.12 Reset-bail Mechanism for Chadless Tape and Fully Perforated Tape



2.13 Main-shaft Mechanism with 1-cycle or 2-cycle Function Cam

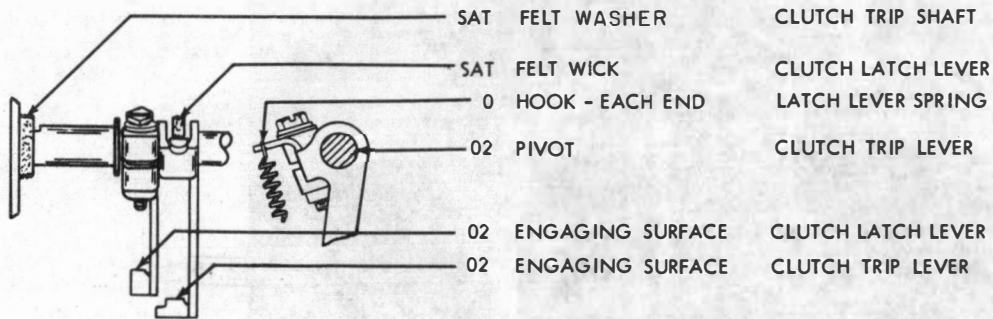


28 SINGLE-
MAGNET
NONTYPING
REPER-
FORATOR

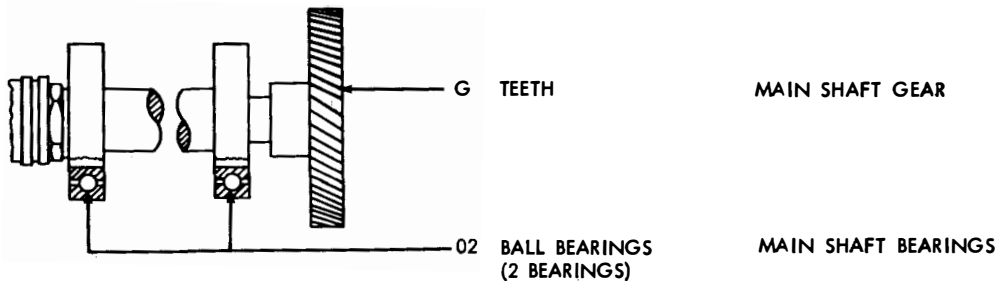
P34.522

Page 15

2.14 Clutch-trip Mechanism of Main Shaft with 2-cycle Function Cam



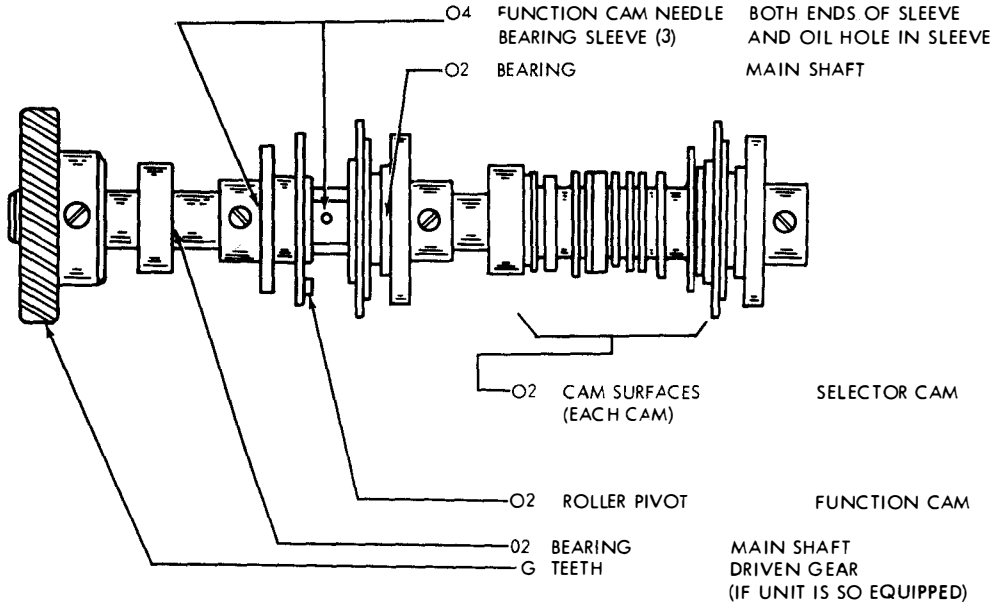
2.15 Main-shaft Mechanism with 2-cycle Function Cam



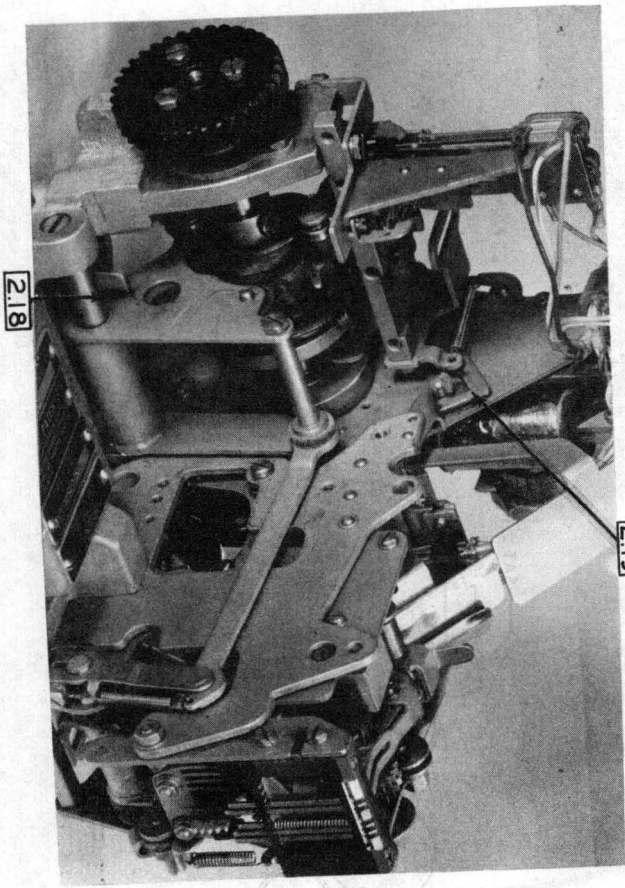
28 SINGLE-
MAGNET
NONTYPING
REPER-
FORATOR

P34.522
Page 17

2.16 Main-shaft Mechanism with 1-cycle or 2-cycle Function Cam

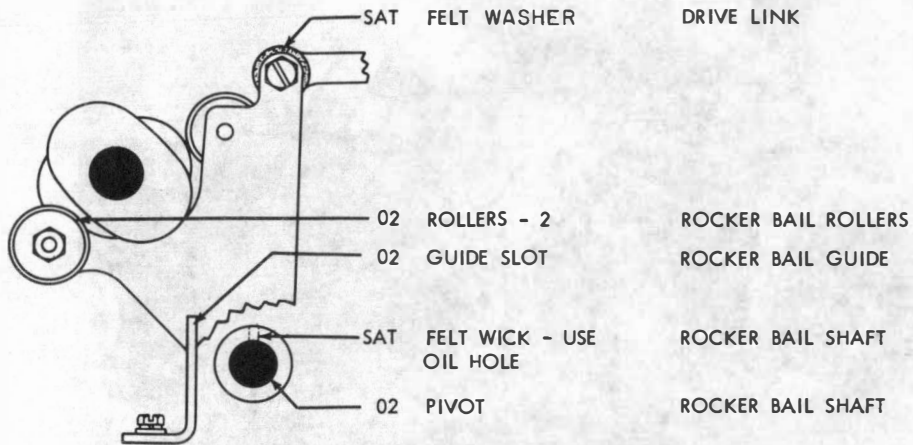


2.17 **Rocker-bail and Main-triplever Mechanisms**

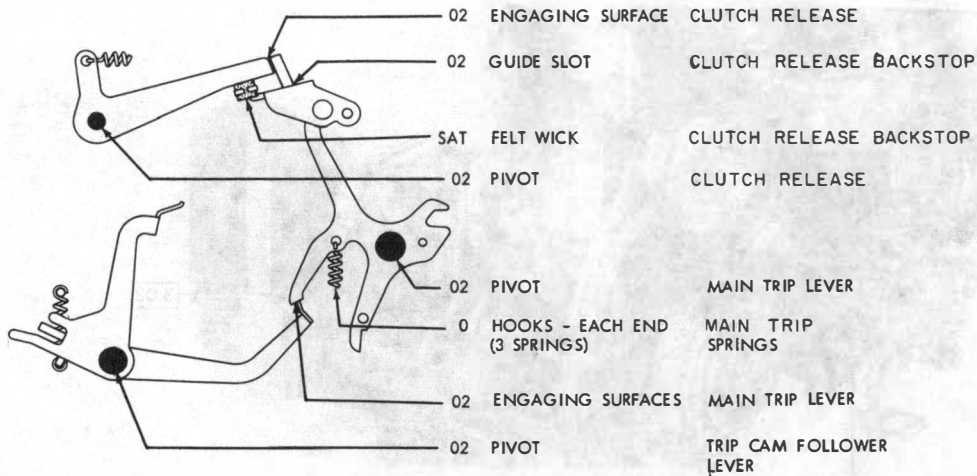


Manufactured by Underwood Corp. 811

2.18 Rocker-bail Mechanism



2.19 Main-triplever Mechanism



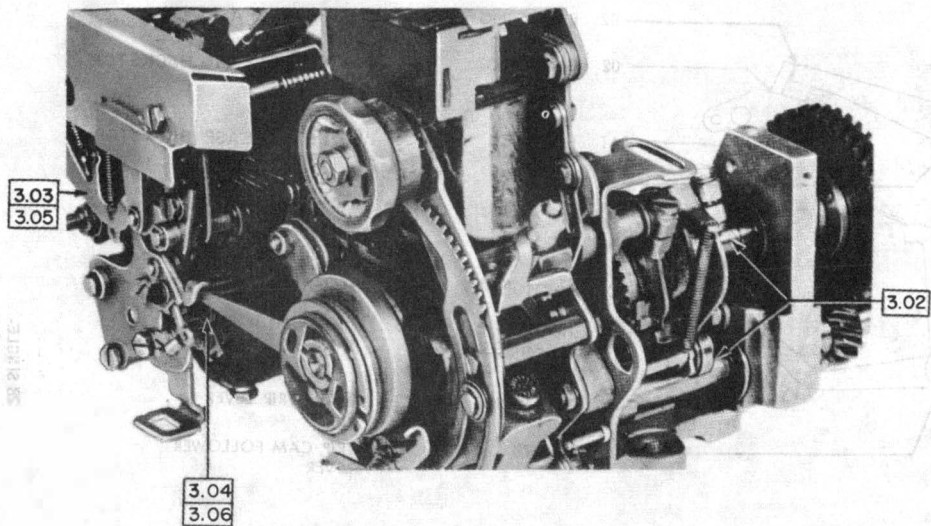
28 SINGLE-
MAGNET
NON TYPING
REPER-
FORATOR

P34.522

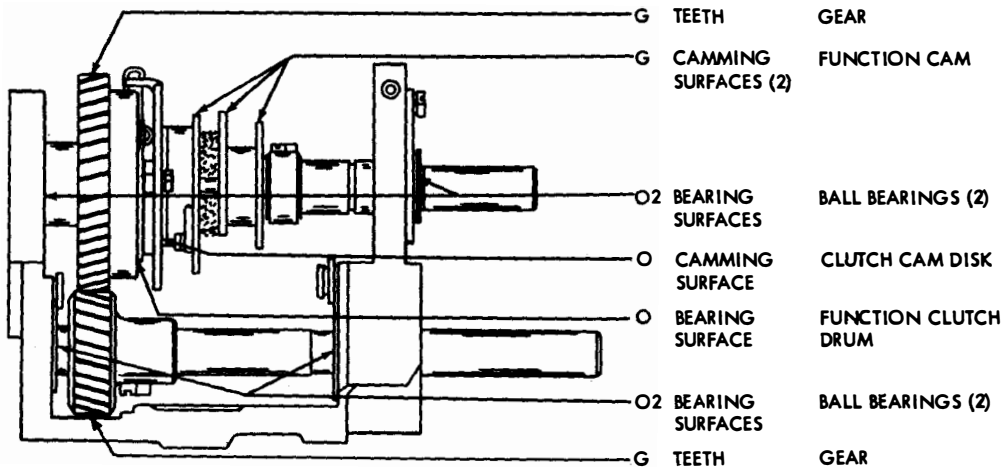
Page 21

3. VARIABLE FEATURES

3.01 Backspace Mechanism for Chadless Tape and Fully Perforated Tape and Main Shaft



3.02 Main-shaft and Jack-shaft Mechanisms (2-shaft Unit)

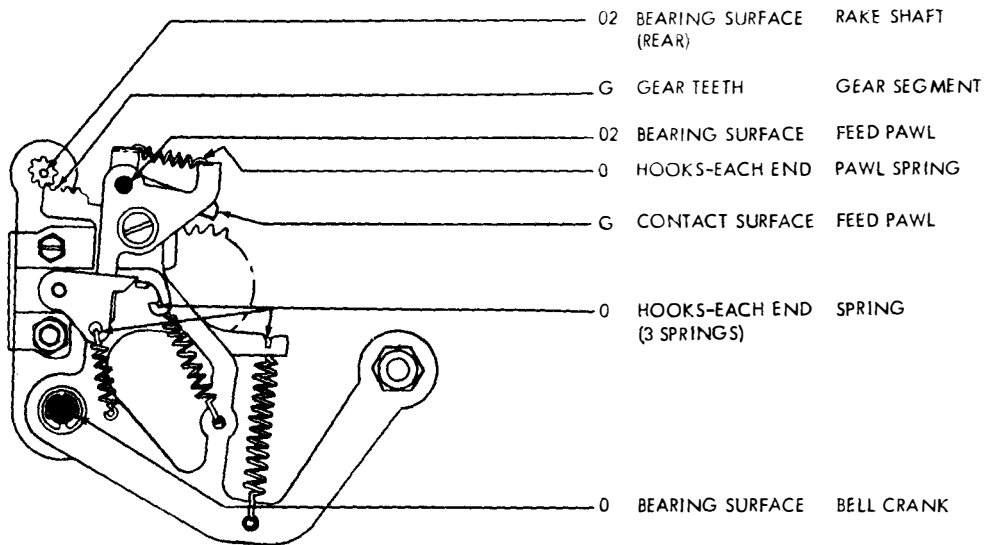


28 SINGLE-
MAGNET
NONTYPING
REPER-
FORATOR

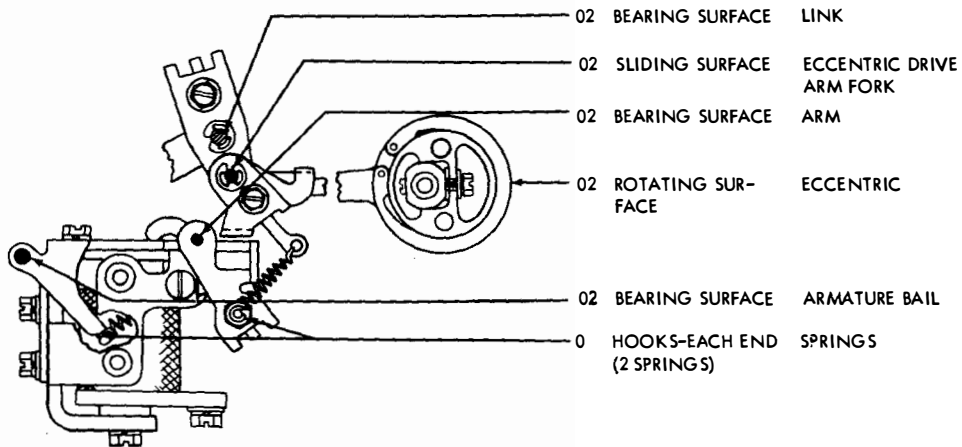
P34.522

Page 23

3.03 Manual Backspace Mechanism for Chadless Tape



3.04 Power-drive Backspace Mechanism for Chadless Tape

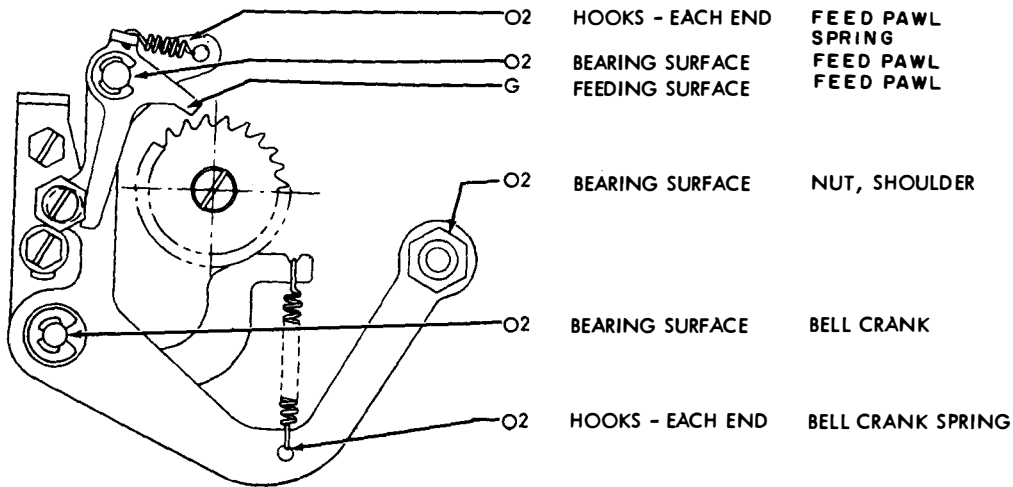


28 SINGLE-
MAGNET
NON-TYPING
REPER-
FORATOR

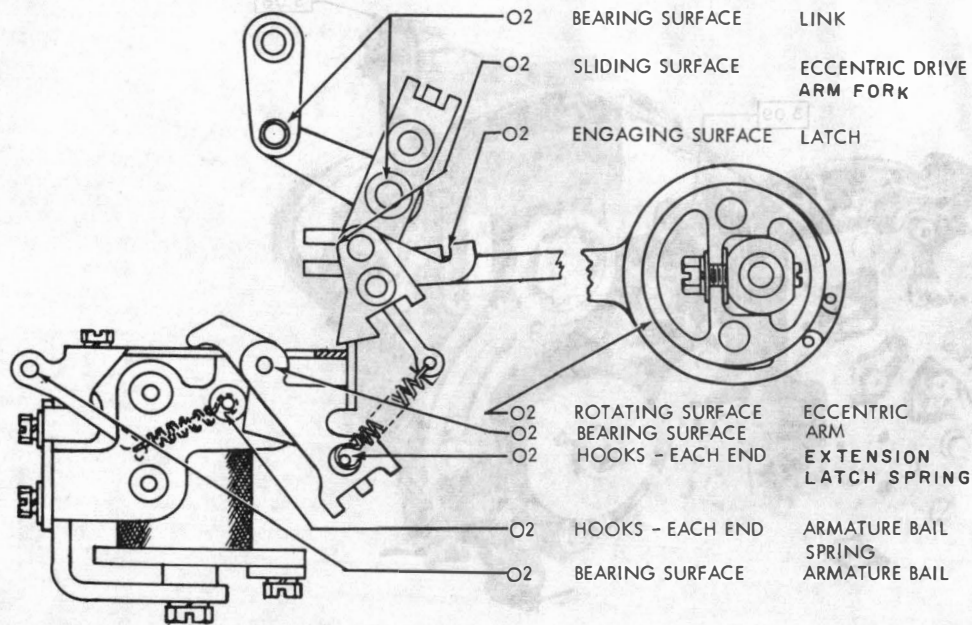
P34.522

Page 25

3.05 Power-drive Backspace Mechanism for Fully Perforated Tape



3.06 Power-drive Backspace Mechanism for Fully Perforated Tape

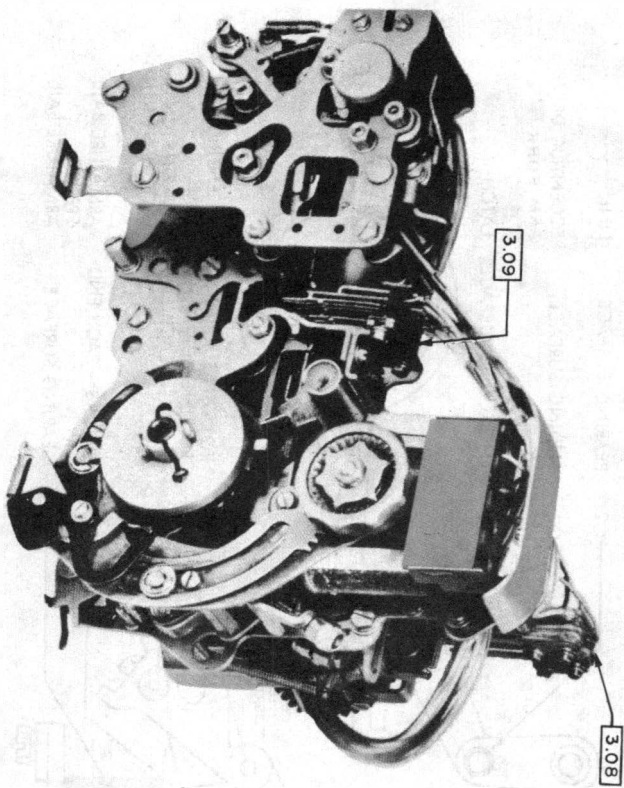


28 SINGLE-
 MAGNET
 NONTYPING
 REPER-
 FORATOR

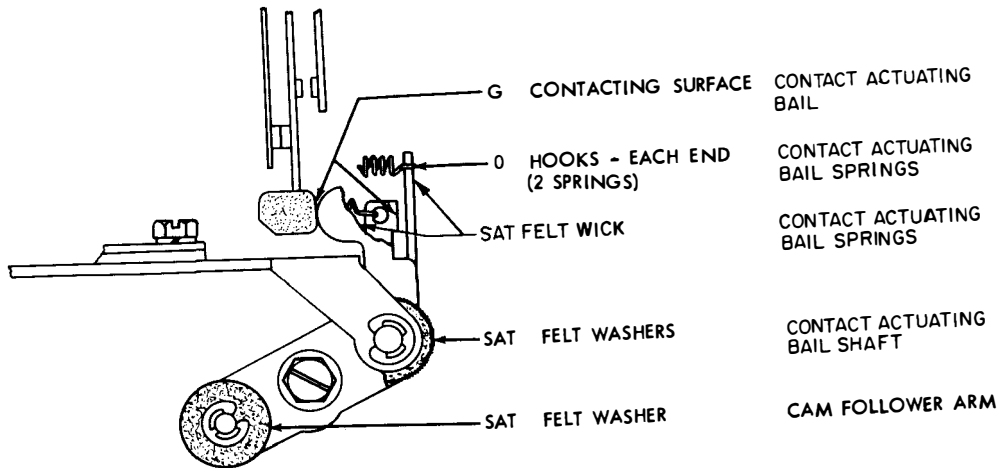
P34.522

Page 27

3.07 Timing and Code-reading Contact Mechanisms



3.08 Timing Contact Mechanism

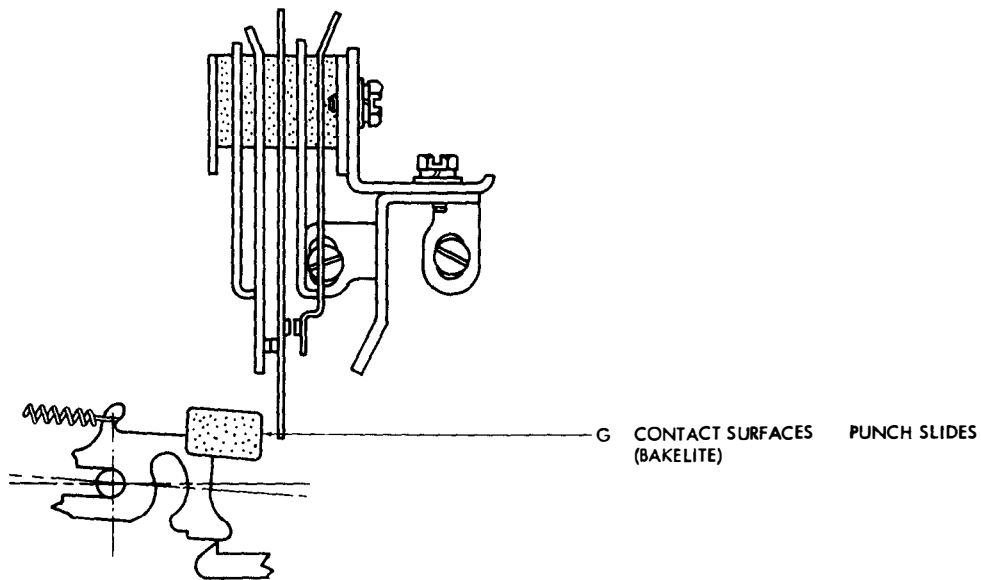


28 SINGLE-
 MAGNET
 NONTYPING
 REPER-
 FORATOR

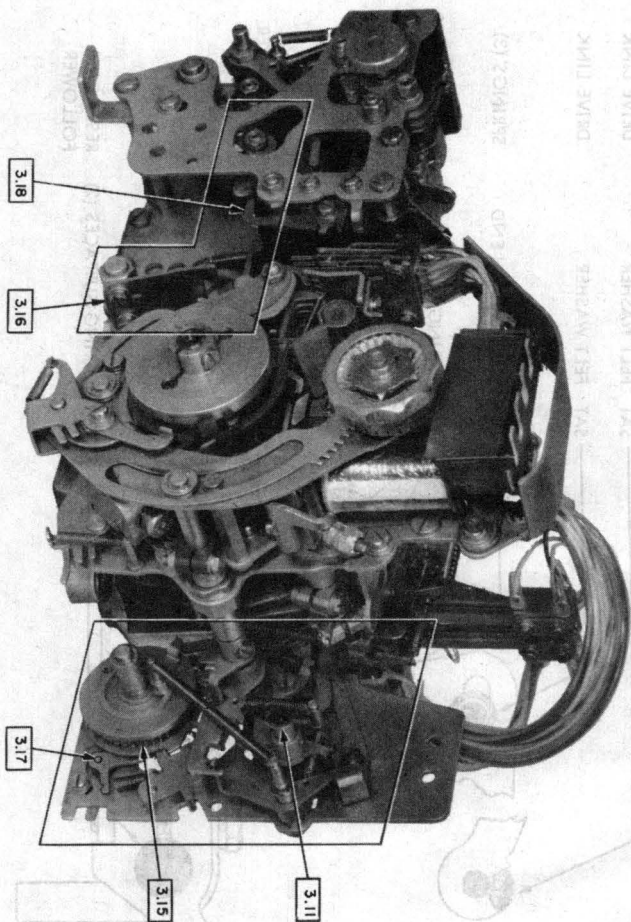
P34.522

Page 29

3.09 Code-reading Contact Mechanism



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

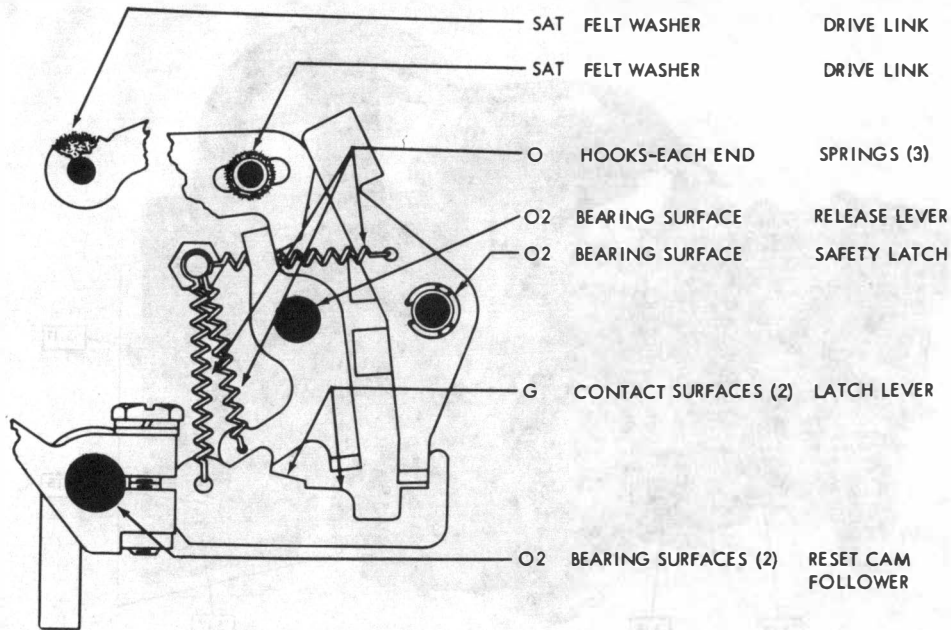


28 SINGLE-
MAGNET
NONTYPING
REPER-
FORATOR

P34.522

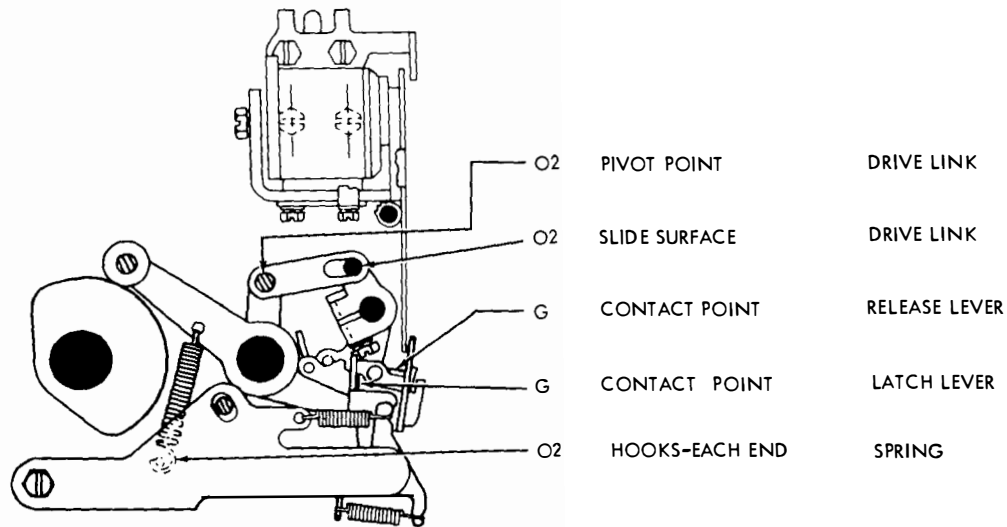
Page 31

3.11 Automatic Noninterfering LTRS Tape Feed-out Mechanism



3.12 Remote-control Noninterfering LTRS Tape Feed-out Mechanism

Note: For general location of this mechanism refer to 3.10.



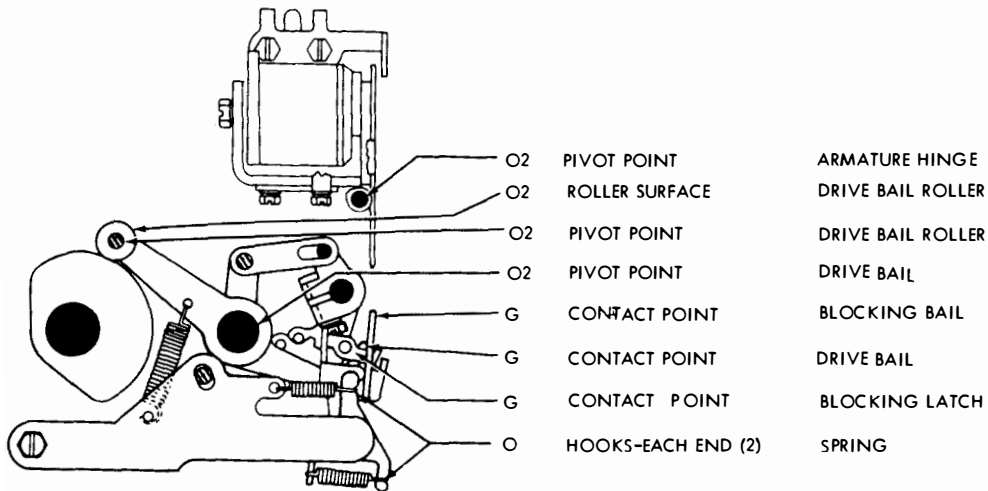
28 SINGLE-
MAGNET
NONTYPING
REPER-
FORATOR

P34.522

Page 33

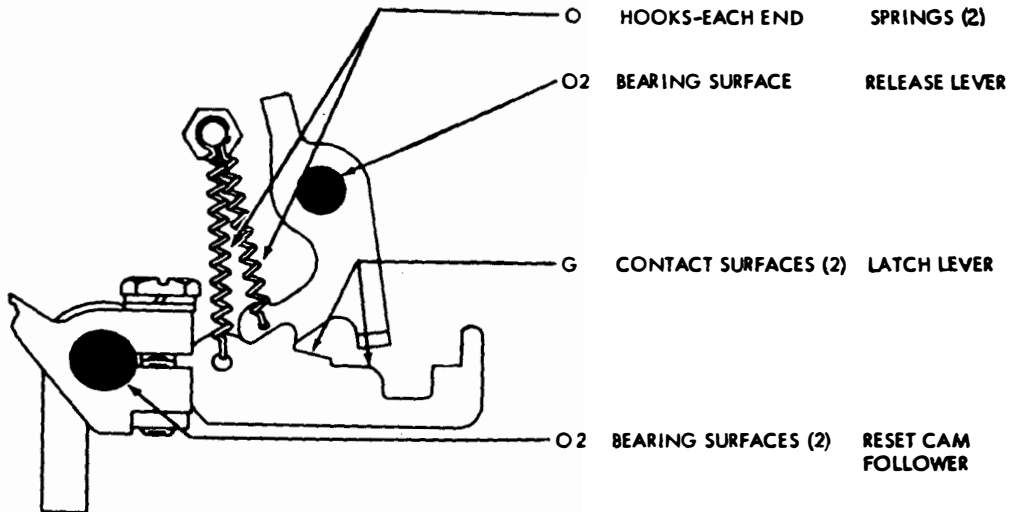
3.13 Remote-control Noninterfering LTRS Tape Feed-out Mechanism

Note: For general location of this mechanism refer to 3.10.



3.14 Remote-control Noninterfering LTRS Tape Feed-out Mechanism

Note: For general location of this mechanism refer to 3.10.

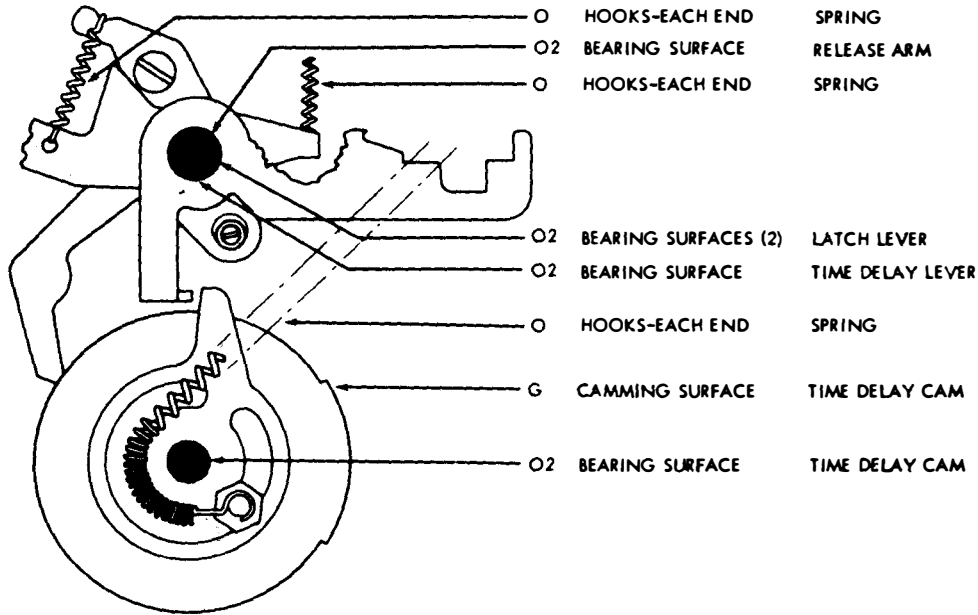


28 SINGLE-
MAGNET
NONTYPING
REPER-
FORATOR

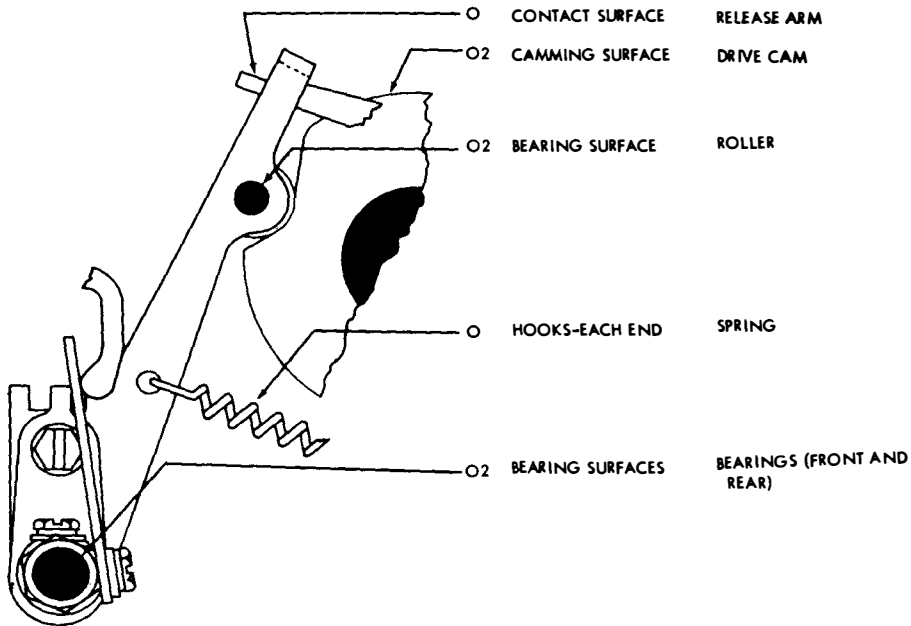
P34.522

Page 35

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



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

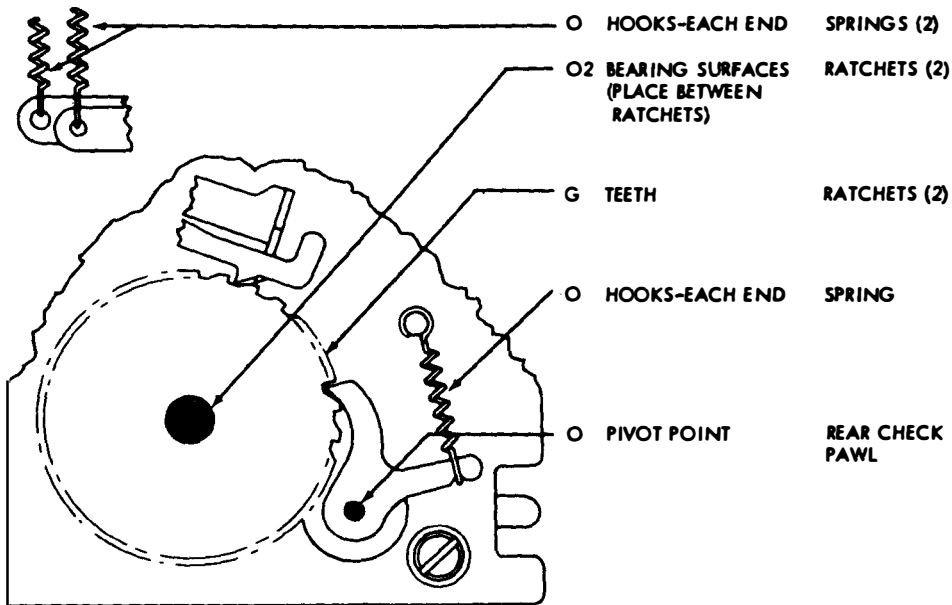


28 SINGLE-
 MAGNET
 NONTYPING
 REPER-
 FORATOR

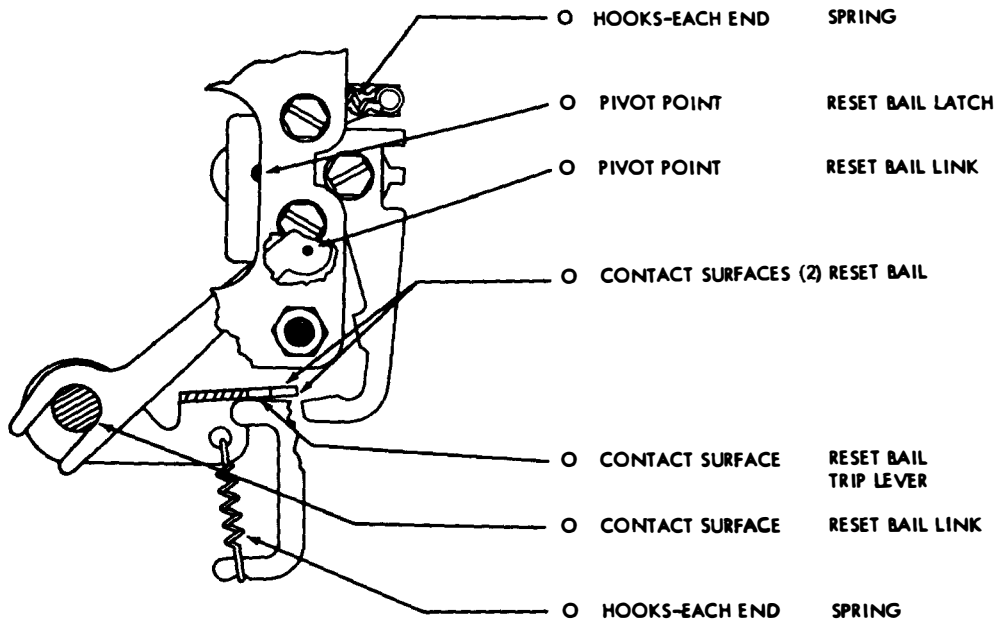
P34.522

Page 37

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



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

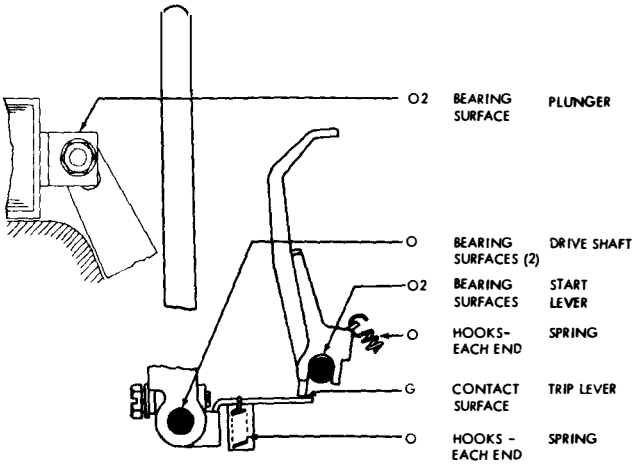


28 SINGLE-
 MAGNET
 NONTYPING
 REPER-
 FORATOR

P34.522

Page 39

3.19 Manually Operated Interfering LTRS Tape Feed-out Mechanism



4. ASSOCIATED BELL SYSTEM PRACTICE

4.01 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 PRACTICE

<u>Paragraph</u>	<u>Adjustment Requirement</u>	<u>Includes Changes as Authorized by Section</u>
2.04	Range Finder Mechanism	P98.999.32