BELL SYSTEM PRACTICES
Teletypewriter and Data Stations

SECTION P34.527
Issue 1, July, 1962
AT&TCo Standard

28 TYPING REPERFORATOR BASE (RECEIVING-ONLY BASE AND KEYBOARD SENDING-RECEIVING BASE) LUBRICATION

CONTENTS PARAGRAPH

1. GENERAL

1.01 This section contains the specific lubrication procedures for the following 28 typing reperforator bases:

(a) Typing reperforator receiving-only (RO) base, usually referred to as **Base.**

(b) Typing reperforator keyboard sending-receiving (KSR) base, commonly known as **Keyboard.**

The material herein, together with the section containing the general lubrication routines on teletypewriter apparatus, provides the complete lubrication information for maintenance. The lubrication symbols used herein are the same as those used in the general section. However, the symbol **O** is used in this section to mean only one drop of oil. Symbols, such as O2, O3, 04, or 020, are used to indicate respectively two, three, four, or twenty drops of oil.

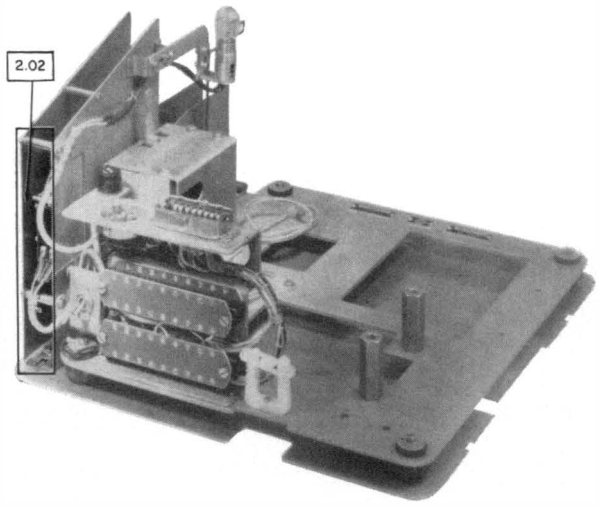
1.02 The apparatus should be lubricated before being placed in service, as specified in the section covering the preparation of teletypewriter apparatus for installation. After a

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 intervals are suggested as a guide for use under normal operating conditions.

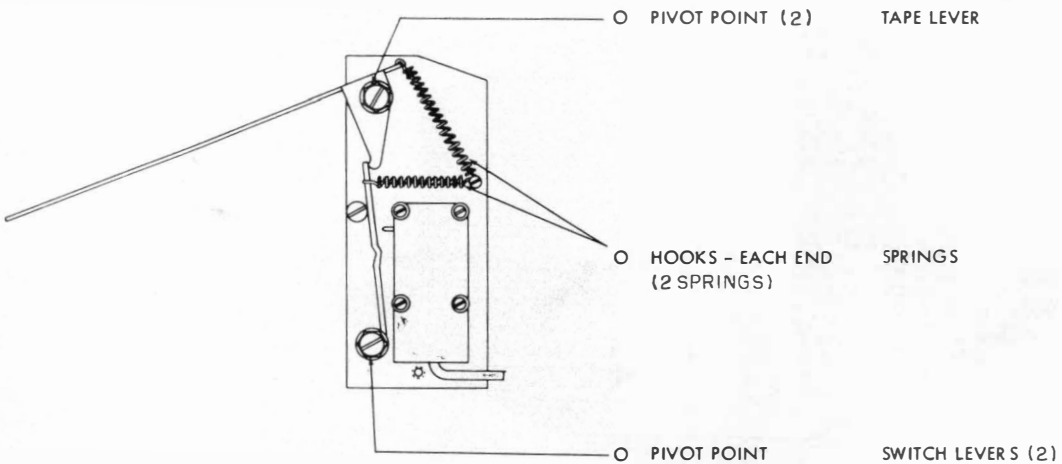
Operating Speed (Words per Minute)	Lubricating Interval (Whichever Occurs First)
60	3000 hours or 1 year
75	2400 hours or 9 months
100	1500 hours or 6 months

2. LUBRICATION DETAILS FOR THE 28 TYPING REPERFORATOR RECEIVING-ONLY (RO) BASE

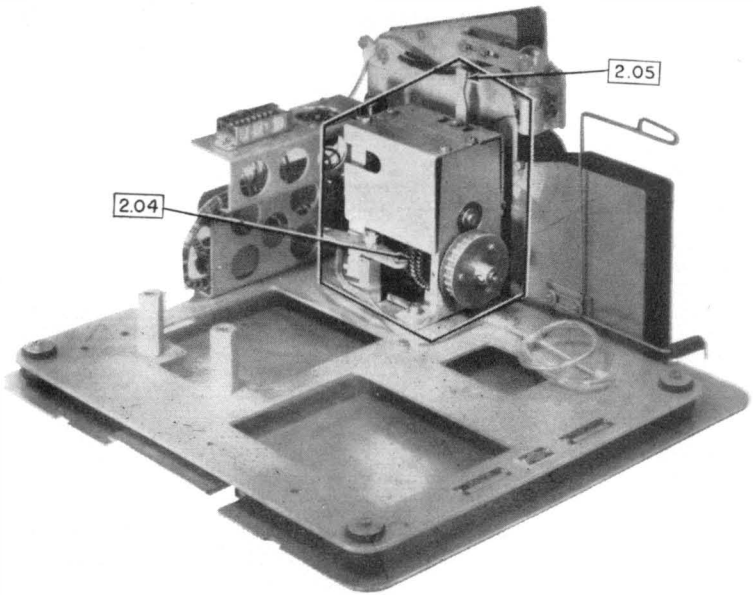
2.01 Single-mounted RO Base (Rear View)



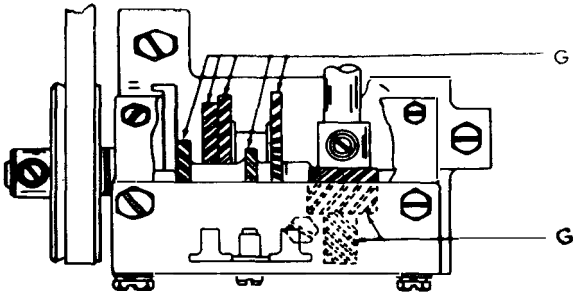
2.02 **Low-tape Alarm Switch Mechanism (Right-side View)**



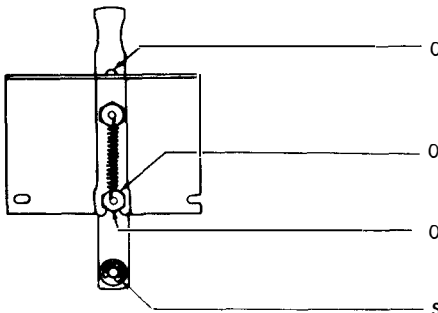
2.03 **Single-mounted RO Base (Front, Left View)**



2.04 Variable-speed Drive Mechanism (Top View)

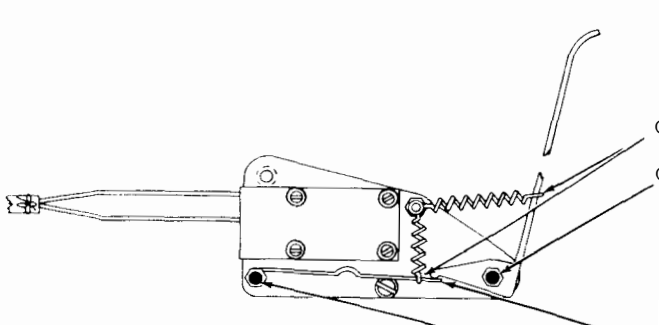


2.05 **Variable-speed Drive Mechanism (Left-side View)**



03	DETENT POST	GUIDE LEVER
03	SLOT	GUIDE LEVER
03	BEARING SURFACE	GUIDE LEVER PILOT SCREW
SAT	FELT WASHER	ROLLER

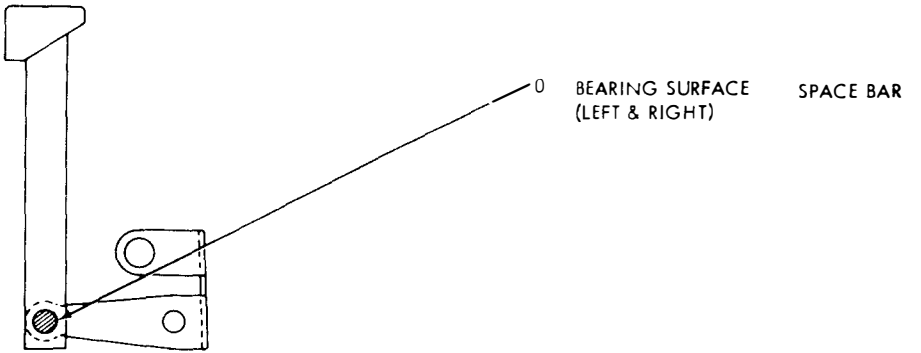
2.06 **Low-tape Alarm Switch Mechanism for Multiple-mounted and Auxiliary-mounted RO Bases**



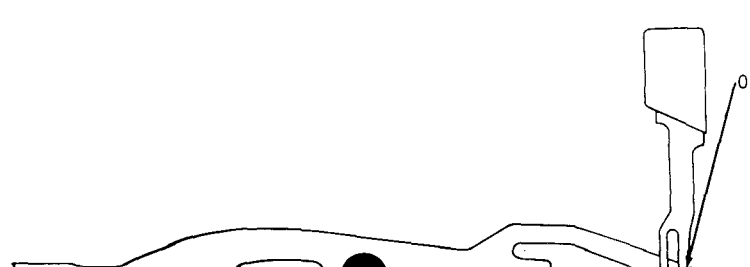
3. LUBRICATION DETAILS FOR THE 28 TYPING REPERFORATOR KEYBOARD SENDING-RECEIVING (KSR) BASE

Note: The apparatus should be in upright position for lubrication.

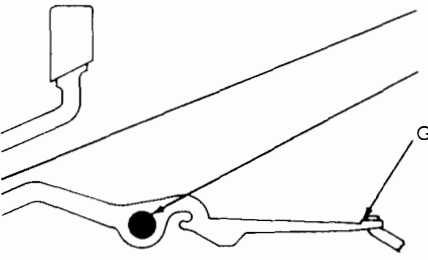
3.01 **Spacebar Mechanism**



3.02 **Keylever Mechanism**

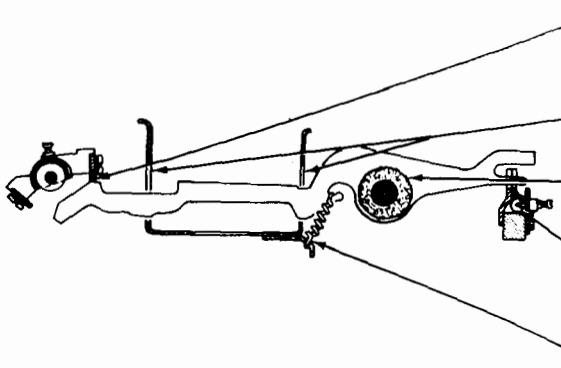


Break Lever Mechanism



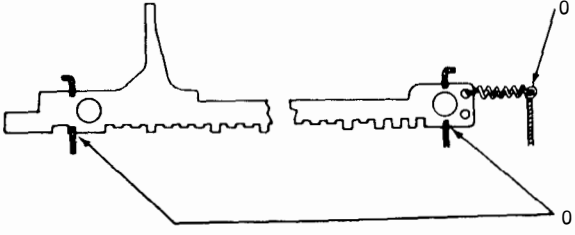
0	ENGAGING SURFACE	BREAK KEYLEVER
0	BEARING SURFACE	FUNCTION LEVER
G	CONTACT SURFACE	BREAK LEVER

3.04 **Codelever Mechanism**



G	CONTACTING SURFACE (32 LEVERS)	CODE LEVER UNIVERSAL BAIL
0	GUIDE SLOTS (32 LEVERS)	CODE LEVERS
SAT	FELT WASHERS (6 WASHERS)	CODE LEVER SHAFT
0	BEARING SURFACE (32 WEDGES)	LOCK BALL TRACK
0	HOOKS-EACH END (40 SPRINGS)	SPRING

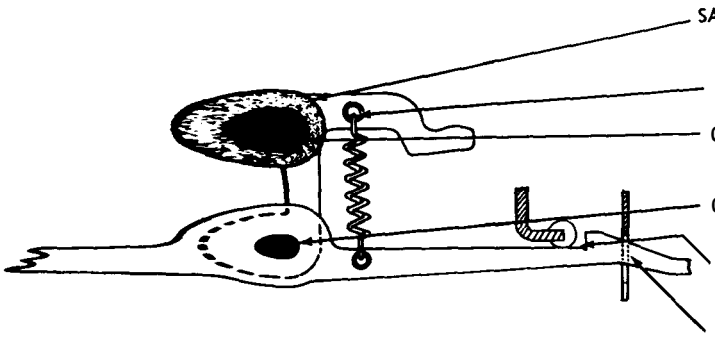
3.05 **Codebar Mechanism (Rear View)**



0 HOOKS-EACH END (7 SPRINGS) — SPRING

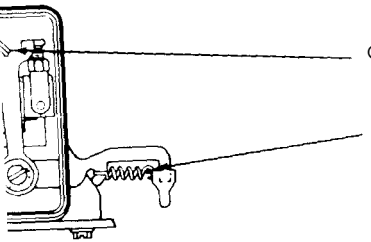
0 GUIDE SLOTS (LEFT AND RIGHT-TOP AND BOTTOM) — CODE BAR GUIDES

3.06 **Nonrepeat Lever Mechanism**



SAT	FELT WASHER	NON- LEVER
0	HOOKS-EACH END	SPRIN
02	BEARING SURFACE	NON LEVER
02	BEARING SURFACE	NON LEVER
G	ENGAGING SUR- FACE	NON LEVEF
02	GUIDE SLOT	NON LEVE

Box

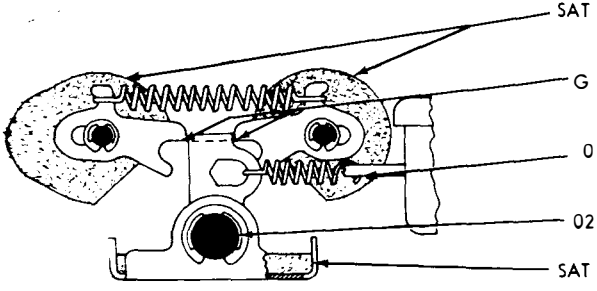


G ENGAGING SURFACE — CONTACT TOGGLE

0 HOOKS-EACH END — SPRING

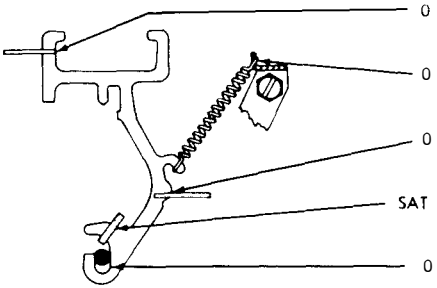
DISASSEMBLY: REMOVE NUT AND LOCK WASHER SECURING CONTACT BOX COVER AND REMOVE COVER.

3.08 Transfer Bail Mechanism



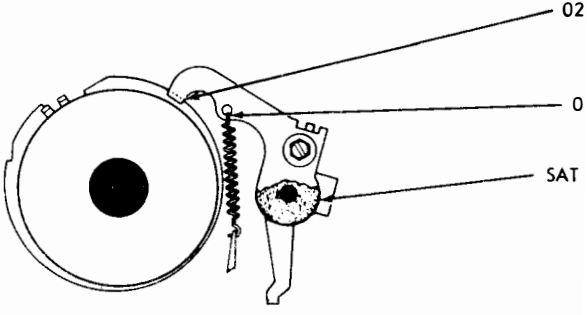
SAT	FELT WASHERS (2 WASHERS)	LATCHES
G	ENGAGING SURFACE	TRANSFER BAIL
0	HOOKS-EACH END (2 SPRINGS)	SPRING
02	BEARING SURFACE	TRANSFER BAIL
SAT	OIL WICK	TRANSFER BAIL

3.09 **Transfer Lever Mechanism**



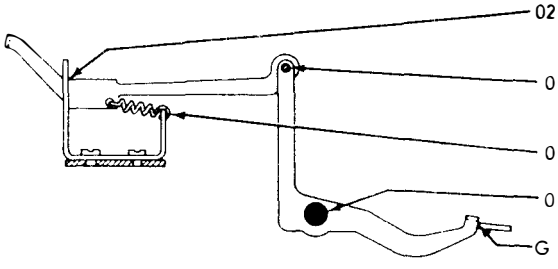
0	GUIDE SLOTS	TRANSFER LEVERS (7 LEVERS)
0	HOOKS-EACH END (7 SPRINGS)	SPRING
0	GUIDE SLOTS	TRANSFER LEVERS (7 LEVERS)
SAT	FELT WASHERS (4 WASHERS)	CAMMING SURFACES
0	GUIDE SLOTS	TRANSFER LEVERS (7 LEVERS)

3.10 **Function Clutch Mechanism**



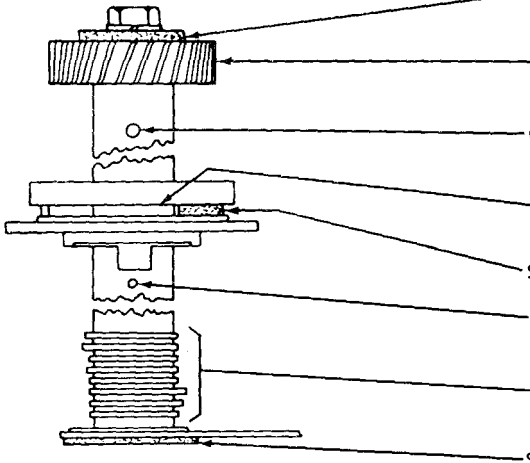
02	LATCHING SURFACE	CLUTCH STOP LEVER AND CLUTCH LATCH LEVER
0	HOOKS–EACH END (2 SPRINGS)	SPRING
SAT	FELT WASHERS (2 FRONT & REAR)	CLUTCH TRIP BAIL

3.11 **Local Tape Feed-out Mechanism**



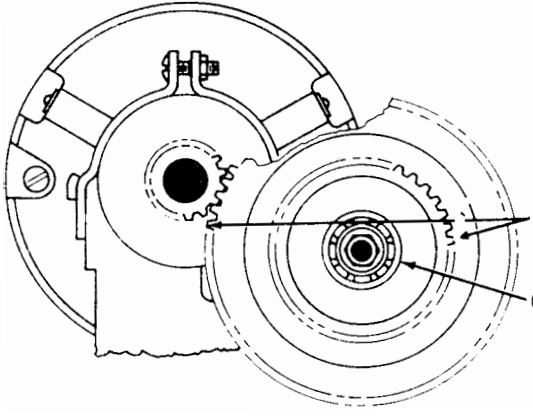
02	GUIDE SLOT	LOCAL LINE FEED TRIP LINK
0	BEARING SURFACE	LOCAL LINE FEED FUNCTION LEVER
0	HOOKS-EACH END	SPRING
0	BEARING SURFACE	FUNCTION BAIL
G	ENGAGING SURFACE	LOCAL LINE FEED FUNCTION LEVER

3.12 **Shaft Mechanism**



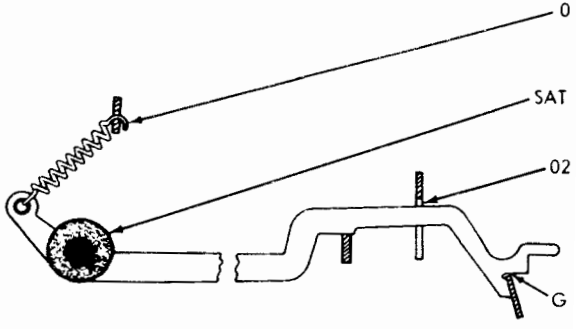
SAT	FELT WASHER	SIGNAL GENERATOR SHAFT
G	GEAR TEETH	SIGNAL GENERATOR SHAFT
020	OIL HOLE	SIGNAL GENERATOR SHAFT
04	INTERNAL MECH-ANISM	KEYBOARD CLUTCH
SAT	FELT WICK	
020	OIL HOLE	SIGNAL GENERATOR CAM
02	CAMMING SUR-FACE EACH CAM	SIGNAL GENERATOR CAM
SAT	FELT WASHER	SIGNAL GENERATOR SHAFT

3.13 Intermediate Gear Mechanism



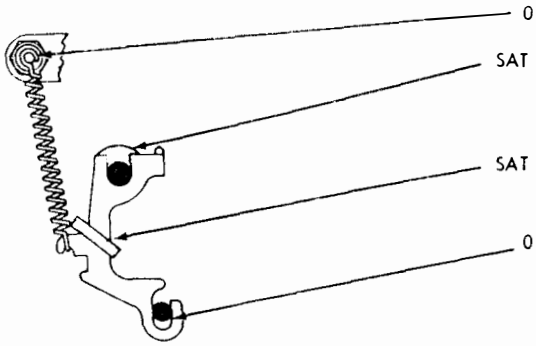
G	TEETH (2 GEARS)	INTERMEDIATE GEARS
02	BALL BEARING (2 BEARINGS)	INTERMEDIATE GEAR SHAFT

3.14 Universal Bail Latchlever (Right-side View)



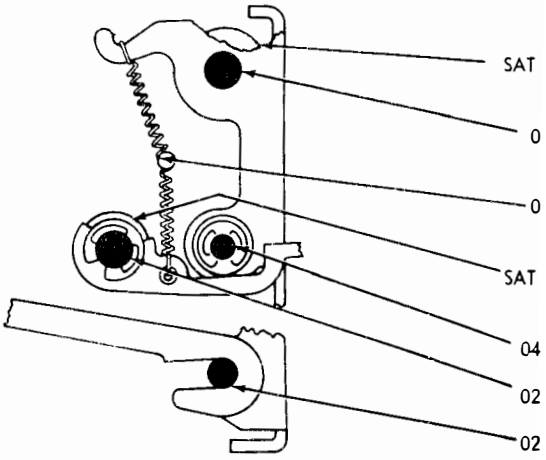
0	HOOKS (EACH END)	SPRING
SAT	FELT WASHER	UNIVERSAL BAIL LATCH LEVER
02	GUIDE SLOT (EACH SIDE OF SLOT)	UNIVERSAL BAIL LATCH LEVER
G	ENGAGING SURFACE	RESET BAIL LATCH

3.15 Locking Bail Mechanism



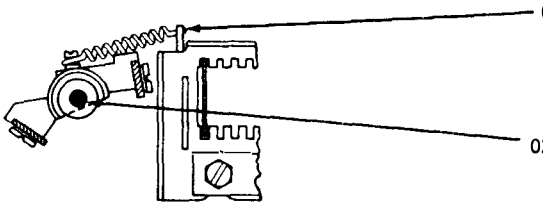
0	HOOKS-EACH END	SPRING
SAT	FELT WASHERS (2 WASHERS - FRONT AND REAR)	LOCKING BAIL POST
SAT	FELT WICK	CAMMING SURFACES
0	GUIDE SLOTS (3 SLOTS)	LOCKING BAIL

3.16 **Codebar Bail Mechanism**



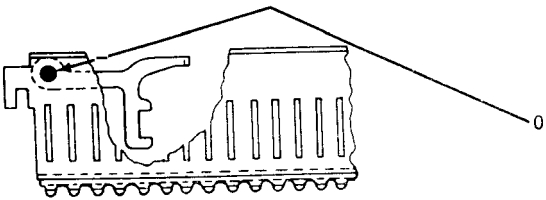
SAT	FELT WASHERS (TWO WASHERS)	CODE BAR BAIL
0	BEARING SURFACE (2 PLACES)	CODE BAR BAIL
0	HOOKS-EACH END (2 SPRINGS)	SPRING
SAT	FELT WASHER	CODE BAR BAIL LATCH
04	BEARING	CODE BAR BAIL
02	BEARING SURFACE	CODE BAR BAIL LATCH
02	ENGAGING SURFACE	ECCENTRIC FOLLOWER

3.17 **Codelever Universal Bail Mechanism**

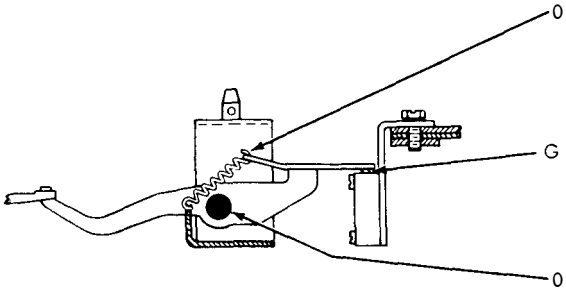


0	HOOKS-EACH END	SPRING
02	BEARING SURFACE	CODE LEVER UNIVERSAL BAIL

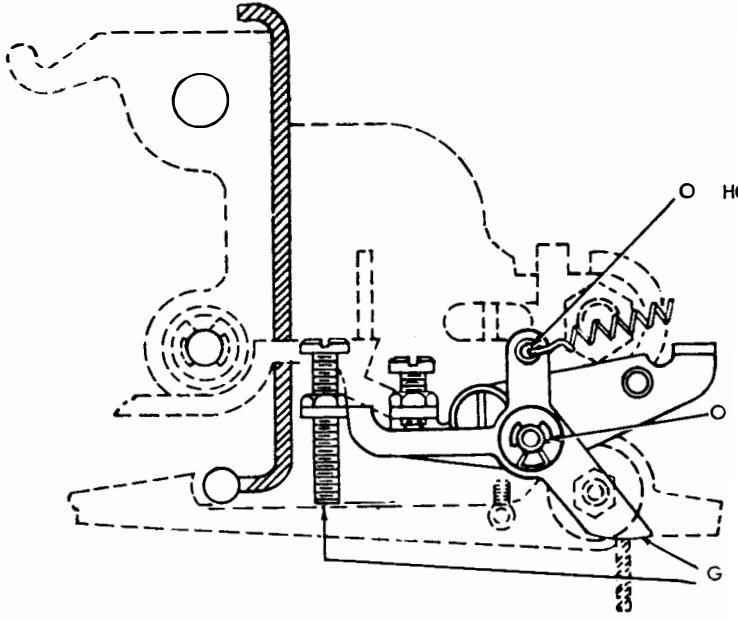
3.18 **Lockbar Latch Mechanism**



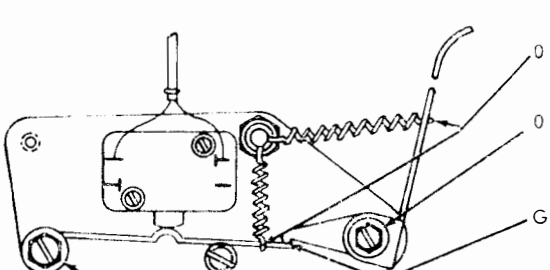
3.19 **Electrical Line-break Mechanism**



3.20 **Repeat-on-Space Mechanism**

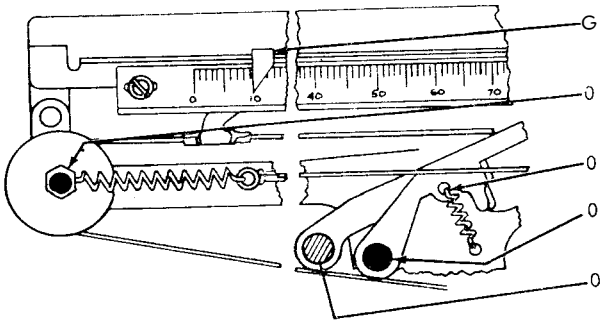


3.21 Tape-out Switch Mechanism

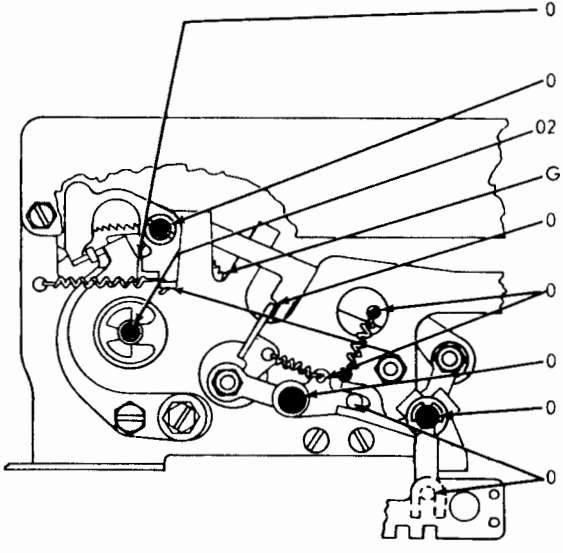


0	HOOKS-EACH END (2 SPRINGS)	SPRINGS
0	BEARING SURFACE (FRONT AND REAR)	TAPE LEVER
G	CONTACT SURFACE	SWITCH LEVER
0	BEARING SURFACE	SWITCH LEVER

3.22 **Character Counter Mechanism**



3.23 **Character Counter Mechanism**



0	CONTACT SURFACE	ANTI-BOUNCE LATCH
0	BEARING SURFACE	ANTI-BOUNCE LATCH
02	BEARING SURFACE	RATCHET DRUM
G	TEETH	RATCHET
0	ENGAGING SURFACES (2 PLACES)	RESET LEVER EXTENSION
0	HOOKS-EACH END (3 SPRINGS)	SPRING
0	BEARING SURFACE	RESET BAIL
0	BEARING SURFACE	DRIVE LEVER FEED BAIL
0	ENGAGING SURFACES (3 SURFACES)	DRIVE LEVER FEED BAIL & RESET BAIL

4. ASSOCIATED BELL SYSTEM PRACTICE

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

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