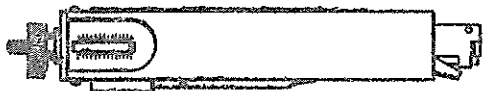
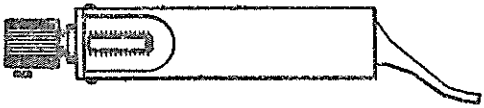


"GAUGES, TENSION"**Instrument Tools**

1. **General.**—This Instruction illustrates and describes the tools included in Section 5 B (T-B) of the Rate Book under the heading of "Gauges, Tension". These tools are used for checking the tension of springs on telephone and telegraph apparatus.

2. **Types.**—"Gauges, Tension" are obtainable in 9 types, with tensions ranging from 4 grammes minimum to 6 lb. maximum, as detailed in Table 1.

TABLE 1

Item	Tension range	Use
 GAUGES, TENSION, Nos. 1, 2 & 3	(No. 1) 4-24 gm. (No. 2) 10-80 gm. (No. 3) 50-250 gm.	For adjustment of tension of telephone relay springs and apparatus. "Gauge Tension, No. 2" has an additional 4-gm. vernier screw for adjusting tension between 1 and 4 gm.
 GAUGE, TENSION, No. 4	100-500 gm.	For adjustment of tension of springs, etc. on selector switches. Has a fixed-type pointer
 GAUGE, TENSION, No. 5	500-2,500 gm.	For adjustment of tension of bypath switches and acceptance testing of 2000-type-selectors
 GAUGES, TENSION, Nos. 7, 8 & 9	(No. 7) 0-4 oz. (No. 8) 0-16 oz. (No. 9) 0-6 lb.	For adjustment of teleprinter apparatus The "Gauges, Tension, No. 9" with the attachment shown in Table 2 is used for measuring contact pressures on "Switches, Motor-drive, No. 1"

3. **"Pointers, Gauge, Tension".**—These items are supplied under numbers 1 to 6 for use in conjunction with "Gauges, Tension, Nos. 1, 2 & 3" as detailed in Table 2.

4. **"Attachments, Gauges, Tension, No. 9",** illustrated in Table 2, are supplied for use in conjunction with "Gauges, Tension, No. 9".

TABLE 2

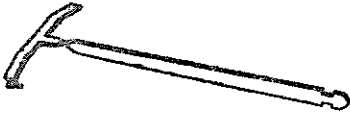
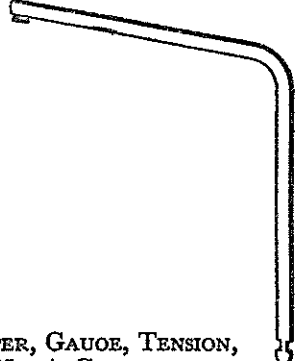
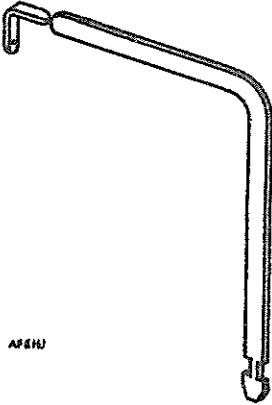
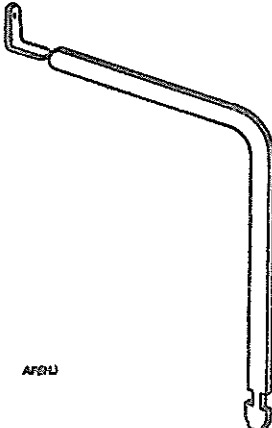
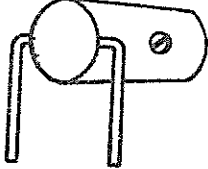
Item	Use
 POINTER, GAUGE, TENSION, No. 1	For general use with "Gauges, Tension, Nos. 1, 2 & 3"
 POINTER, GAUGE, TENSION, No. 2	
 POINTER, GAUGE, TENSION, No. 3	For brushes on V.F. generators and wipers of S.T. & C. Bypass uniselectors
 POINTER, GAUGE, TENSION, No. 4, CRANKED	For testing brush feeds of P.O. uniselectors Type 1

TABLE 2—continued

Item	Use
 AFSHJ POINTER, GAUGE, TENSION, No. 5, CRANKED	For checking the tension of detents and pawl springs on rack-mounted uniselectors Types 1, 2 and 3
 AFSHJ POINTER, GAUGE, TENSION, No. 6, CRANKED	
 AFSHJ ATTACHMENTS, GAUGE, TENSION, No. 9	For measuring contact pressure on "Switches, Motor, Drive, No. 1" Two attachments required per "Gauge, Tension, No. 9"

SV612
(from EI Tools & Transport Handtools G1006)

END



1
2
3

