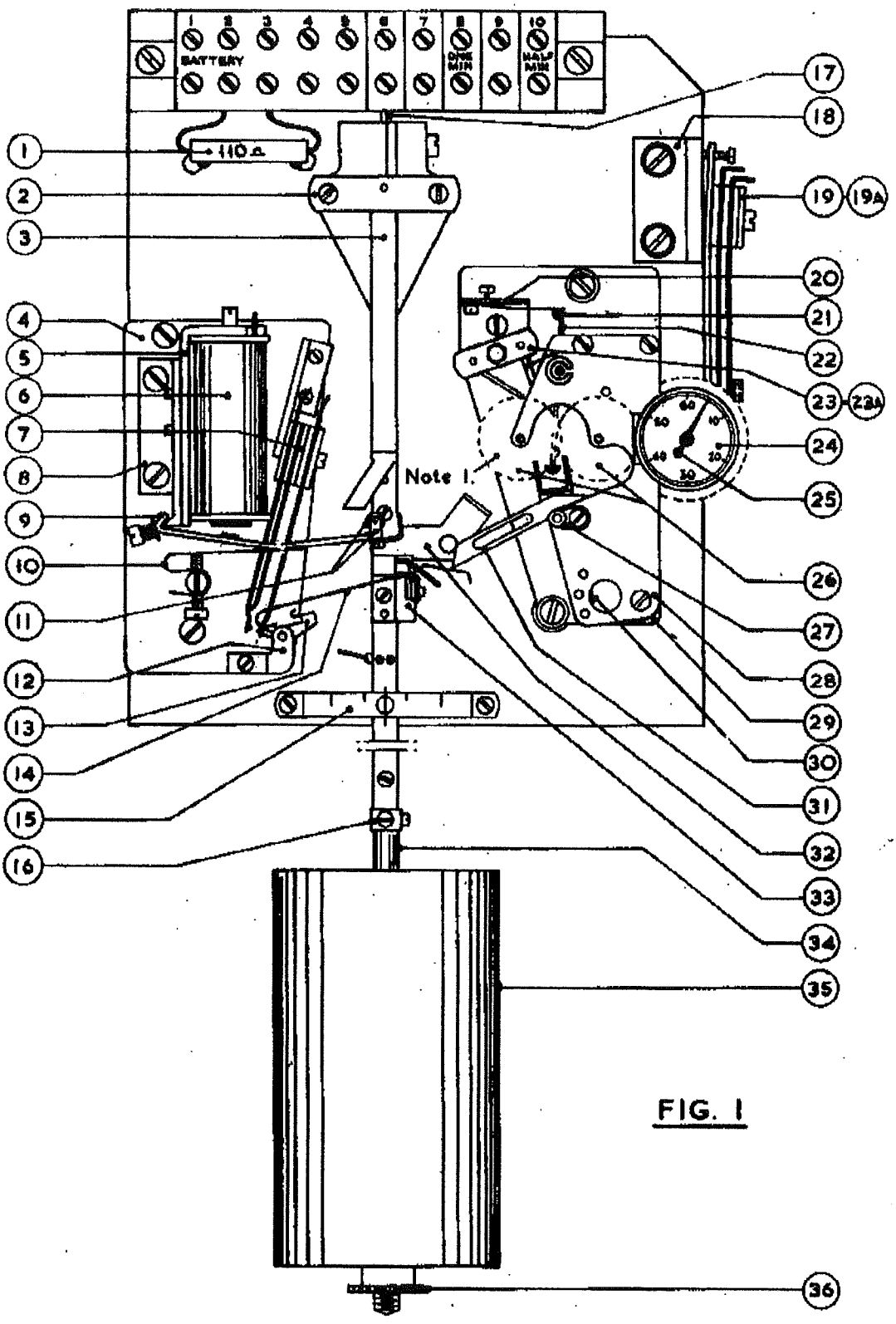
1 2 3 4 5 6 7 8 9 10
BATTERY
110 A
Note 1.
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FIG. 1

ITEMS	STOCK NO.	DESCRIPTION	REMARKS
1	S.69714	Resistor 1102	
2	K.4743	Bridge, front.	K.4744 Bridge, rear.
3	K.4930	Rod, Crutch C.P.	
4	K.4719	Back Plate C.P.	
5	S.90093	Polepiece	
6	K.4775	Coil, sustaining 6002	
7	K.5009	Springset, Sustaining Contact.	
8	S.90087	Bracket	
9	K.4701	Armature, Sustaining	Requires Spring residual K.4986 (Less Items 11)
10	K.4967	Spring, Buffer	
11a	K.5013	Strap	
11b	K.4934	Roller, Sustaining	
11c	K.4717	Axis Pin, Sustaining Roller.	
11d	S.15056	Screw	
12	K.4734	Bracket C.P.	
13	K.4821	Latch Spindle C.P.	
14	K.5047	Wire, Trigger	
15	S.90060	Bridge	Crutch Guard
16	S.90547	Bracket	Crutch Fork
17	K.4985	Spring, Pendulum Suspension.	
18	S.90917	Bracket	
19	K.5000	Springset ½ min.	
19a	K.5001	Springset 1 min.	
20	K.4880	Plate C.P.	
21	K.4981	Spring, Pallet Retaining.	
22	K.4828	Lever, Pallet C.P.	Driving Pallet
23	K.4725	Block, Bearing	Stop click bearing block.
23a	K.4766	Clicks, stop	
24	K.4786	Dial C.P.	
25	K.4809	Hand, Second C.P.	
26	K.4946	Spindle, C.P.	Driving Wheel
27	K.4767	Cock C.P.	
28	K.4793	Front Plate	
29	K.4718	Back Plate C.P.	
30	K.4996	Spring, Tensioning for Toggle Lever.	Centre-Line Spring
31	K.4830	Lever, Toggle C.P.	
32	K.4736	Bracket, Impulse with Roller and Collet	Recording Roller and Bracket.
33	K.4722	Bearing Bracket C.P.	
34	K.4931	Rod, Pendulum, Invar	
35	K.4727	Bob, Pendulum	
36	K.8218	Nut, Pendulum Locking.	

ISSUE	Ia	25-5-64	Title altered. & stocklist added.	Job No. 708

MK. 2 BLOCK

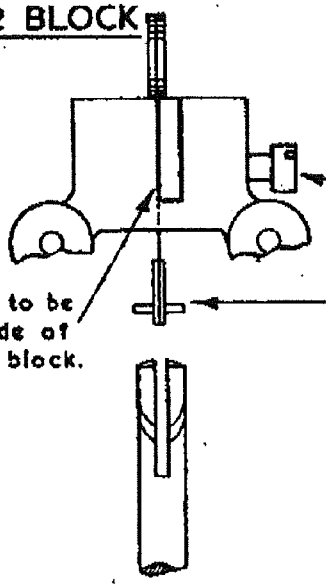


FIG. 2

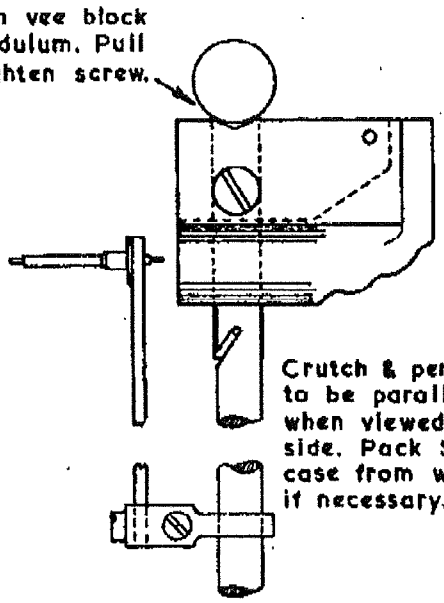
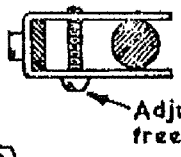
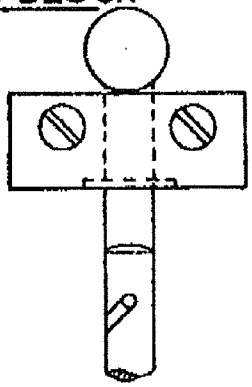


FIG. 3.



MK. 1 BLOCK



Spring to be clamped midway between the two screws and to hang straight with the pendulum. The block must grip evenly across the whole of its width.

FIG. 3A

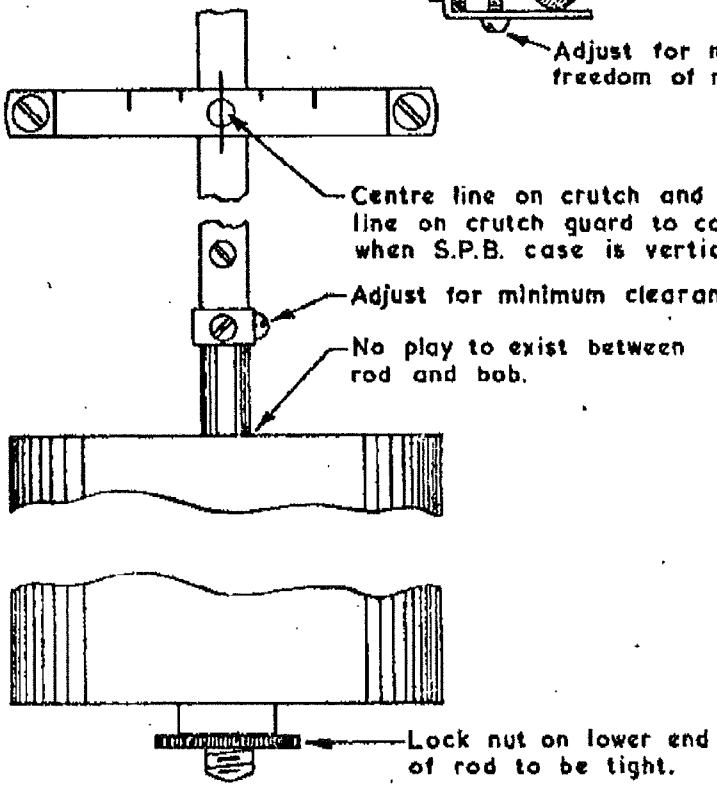


FIG. 4.

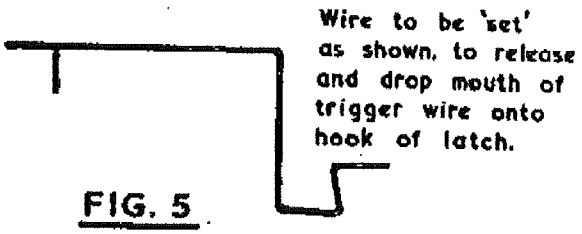


FIG. 5

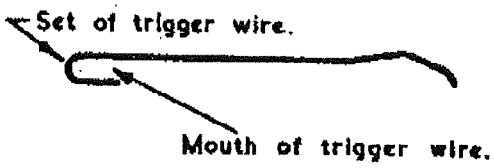


FIG. 6

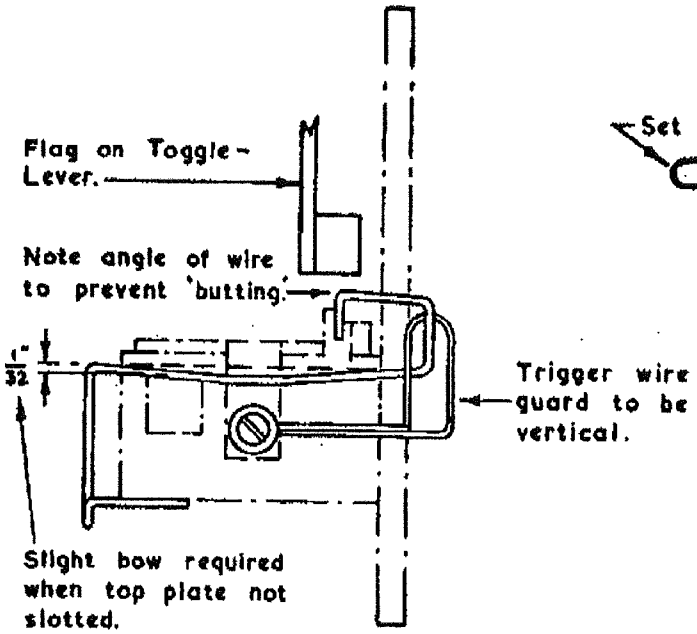
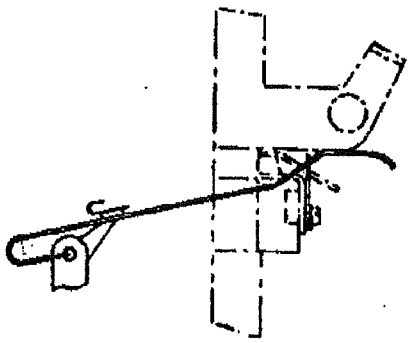


FIG. 7



Pendulum at rest. Trigger wire to rest against bracket of recording roller.

FIG. 8

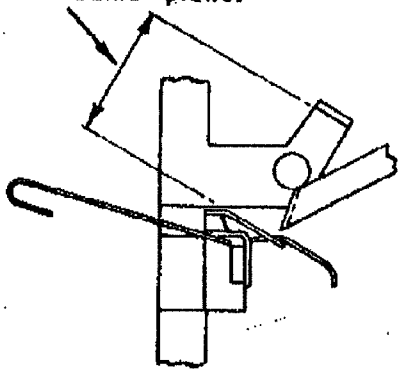


FIG. 9

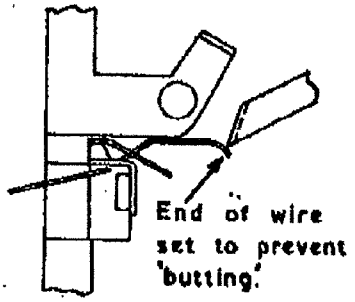


FIG. 10

ISSUE	Ia	25-5-64	Note added to Fig. 5.	Job No. 708

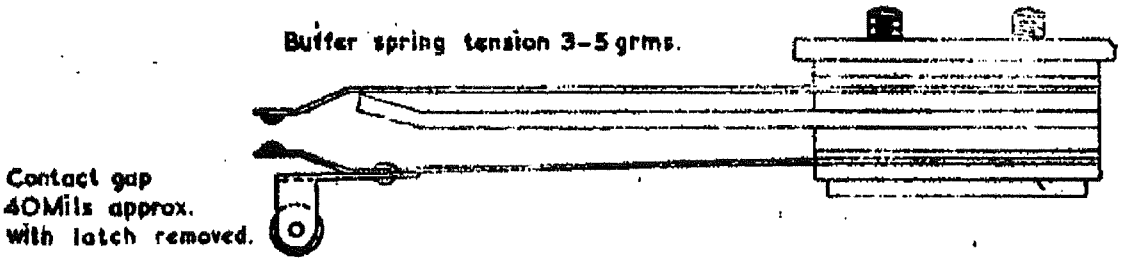


FIG. 11

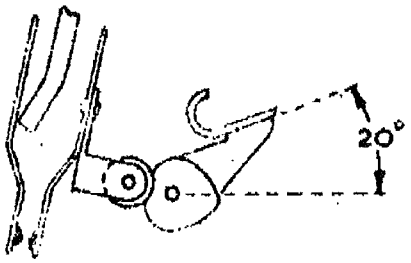
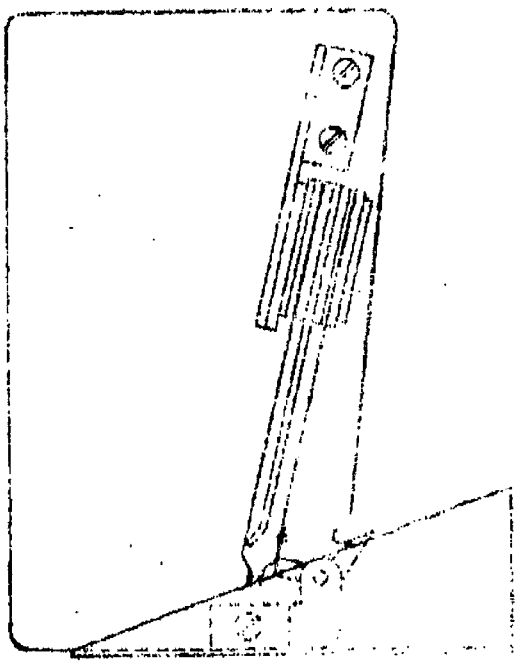


FIG. 13

Move springbank towards heart-cam to obtain contact gap of 6mils. Spring pressure taken behind roller is 8grms. Adjust lever spring to this tension.



Move springbank up or down to adjust trigger angle to 20°. Use trigger angle gauge K.8922 as shown.

FIG. 12

THESE ADJUSTMENTS TO BE MADE WITH UNIT DETACHED FROM BRACKET.

SUSTAINING COMMENCES: To obtain setting; move sustaining unit complete, to right or left; adjust trigger wire bracket within limit of screw fixing holes; or the mouth of the trigger wire; or the set of the bend in the trigger wire.

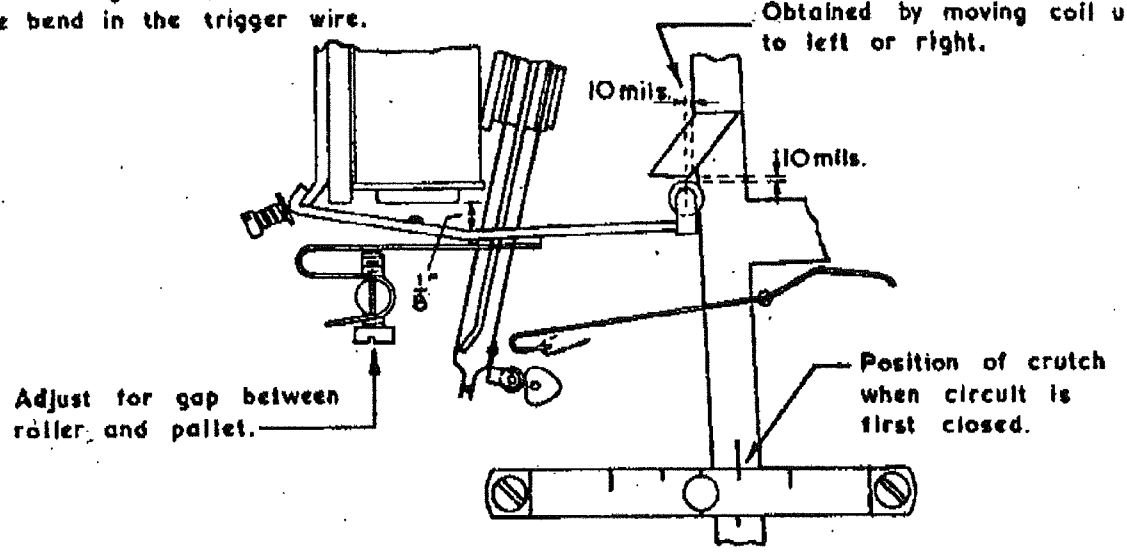


FIG. 14

SUSTAINING ENDS: To obtain setting bend length of trigger wire up or down.

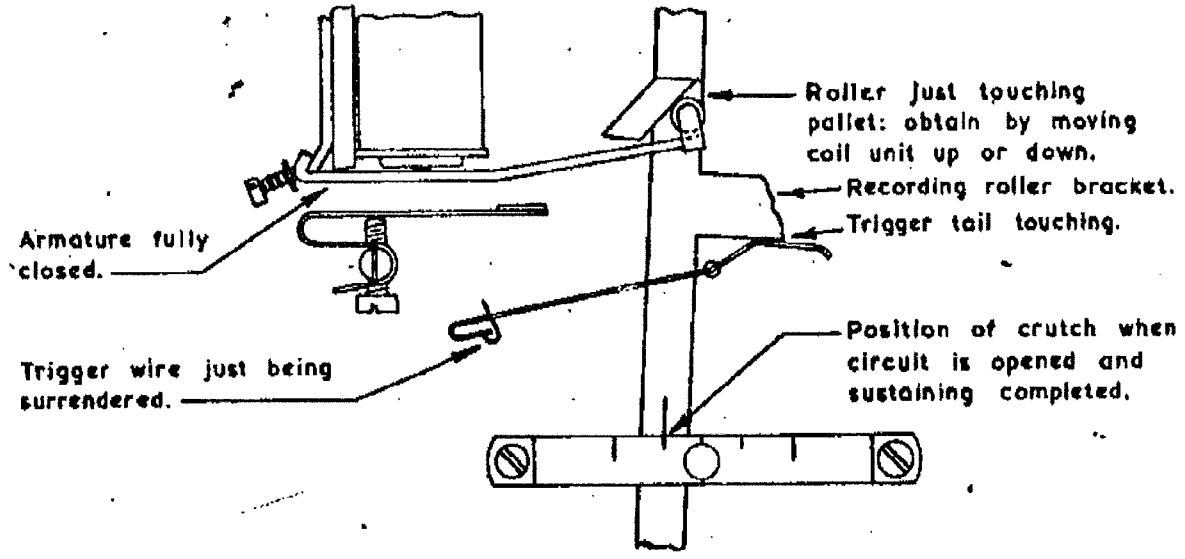


FIG. 15

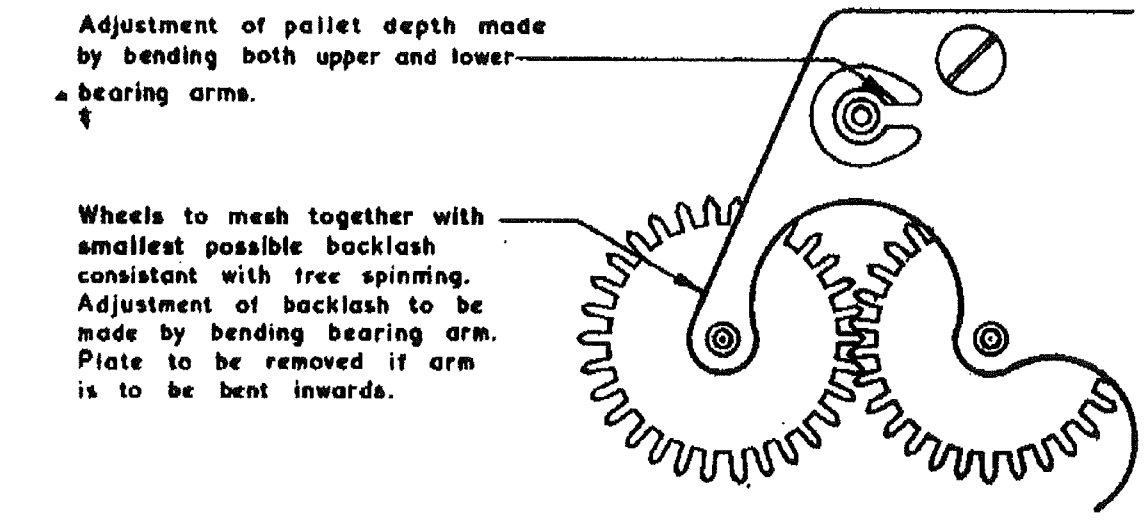


FIG. 16

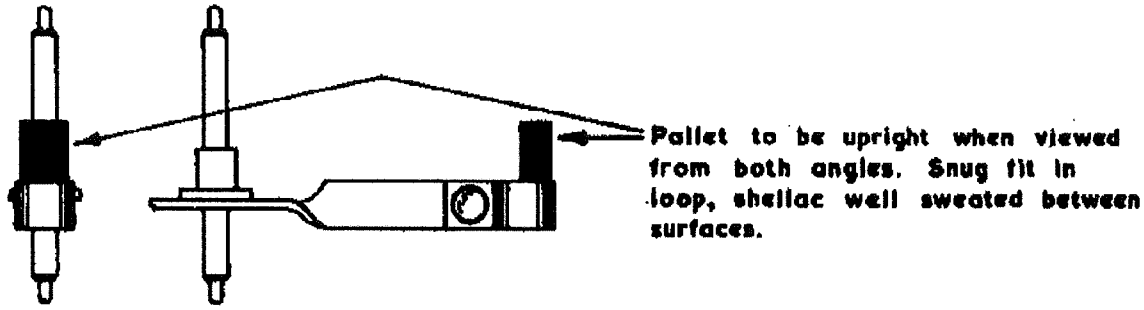


FIG. 17

Engagement of pallet to be as deep as possible and corners to just clear the tip of the tooth from which it is receding. Wheels should trip past pallet corners when drive applied to wheels in reverse direction.

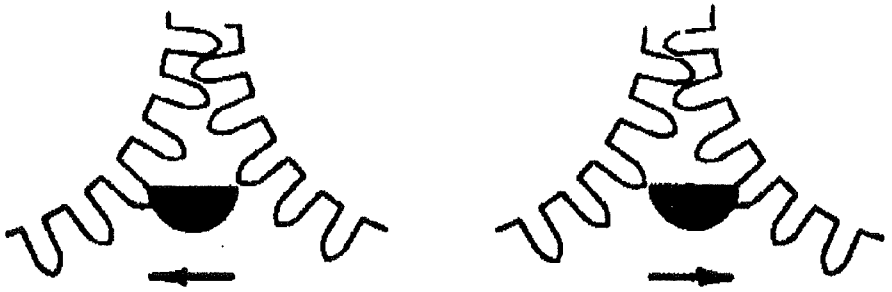
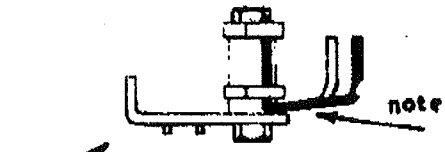
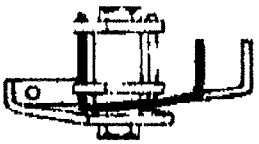


FIG. 18



All roughness to be removed from edges of plate and block. Clicks to have end shake in all positions.

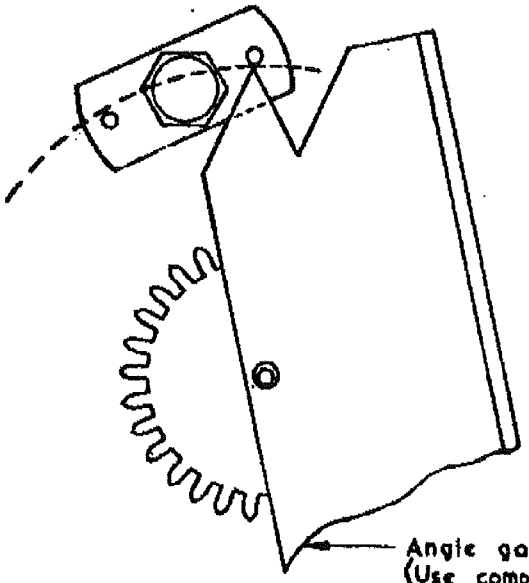
FIG. 19



When viewed end on the pivoting and locking portions of the clicks should be in line with each other.

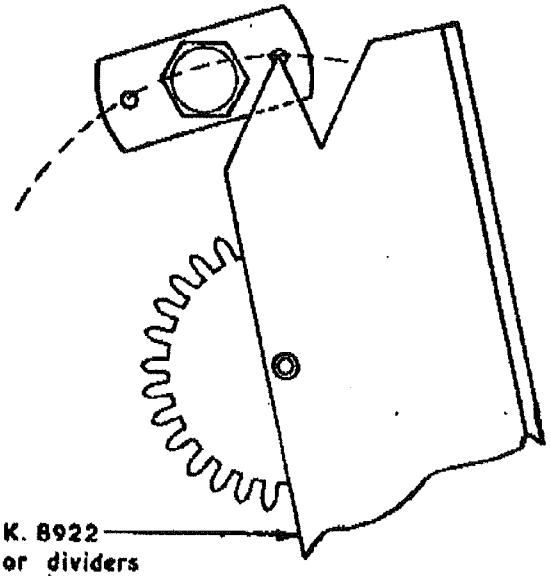
FIG. 20

NOTE:- After correct alignment, remove click bearing bracket from driving unit to tighten lock-nut.
Bearing block not to be disturbed after correct alignment.



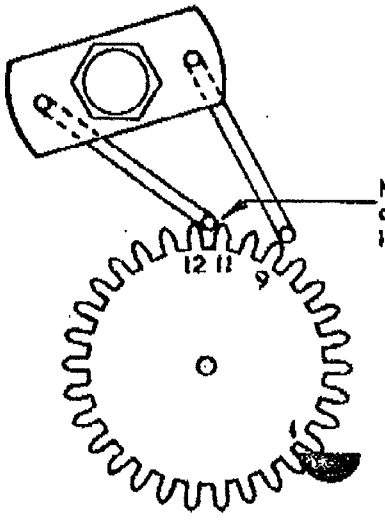
INCORRECT

FIG. 21



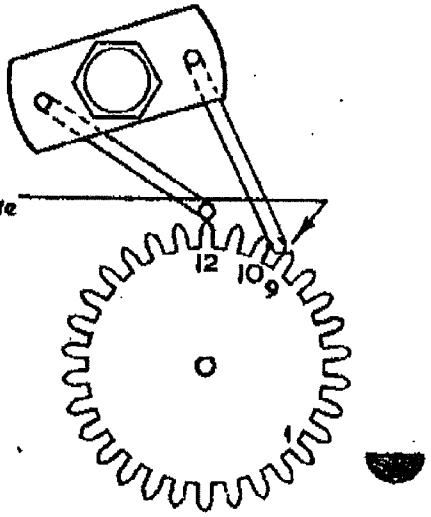
CORRECT

FIG. 22



When pallet to left: left hand click between teeth 11 and 12. Right hand click resting on tip of tooth 9.

FIG. 23



When pallet to right: right hand click between teeth 9 and 10. Left hand click resting on tip of tooth 12.

FIG. 24

If the left hand click prevents the wheel from passing freely, strain the wire away from the wheel slightly, as shown.

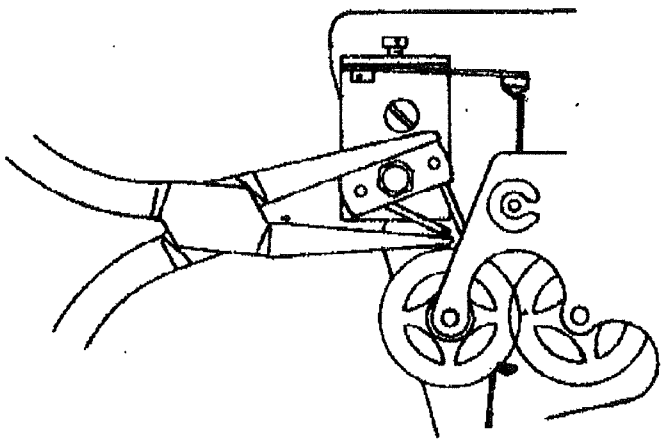
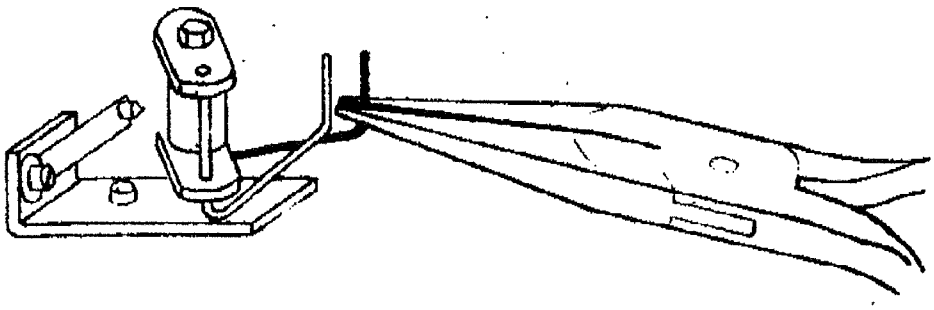


FIG. 25



Stop clicks adjusted by bending locking portion, clicks to be held in hand in approximately same position they take up on the wheels.

FIG. 26

NOTE:~ Forks to be opened wide before adjusting for beat using spanner K.9049 and Adjuster Prong K.8809

Move pendulum slowly to the right until the flag just escapes in an upward direction from the roller. At this instant release the pendulum and note that the flag moves round the roller to a 2 o'clock position and does not disengage itself.

Move Driving Unit to the left or right to obtain correct setting.

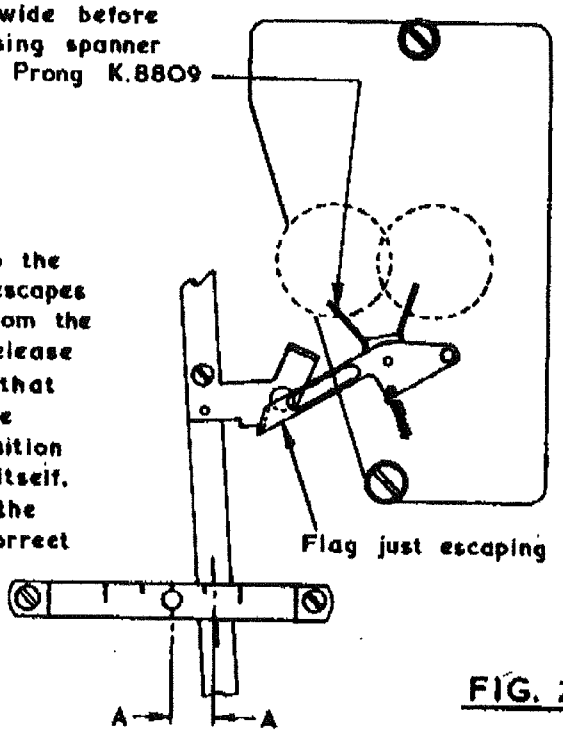


FIG. 27

Move pendulum slowly to the left until the flag just escapes in a downward direction from the roller. At this instant release the pendulum and note that the flag moves round the roller to a 8 o'clock position and does not disengage itself.

Move Driving Unit to the left or right to obtain correct setting.

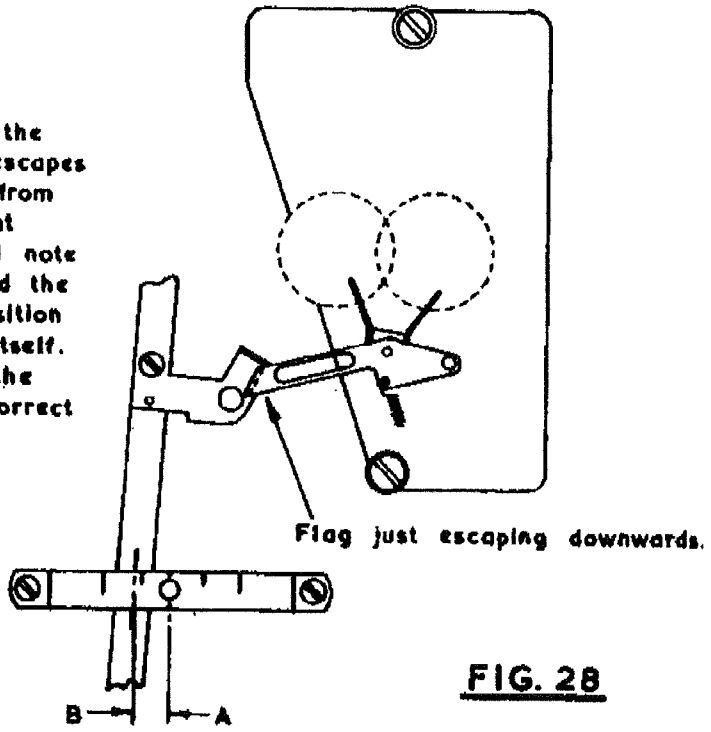


FIG. 28

DISTANCES A–A, B–A TO BE EQUAL WHEN UNIT IN BEAT.

ISSUE	Ia	25-5-64 Splay on toggle-lever fork introduced.	Job No. 708

MAXIMUM DRIVE.

Right hand fork adjusted for minimum clearance between roller and detent flag at point of maximum displacement of flag. Hold fork against pallet, roller not to turn when passing over flag

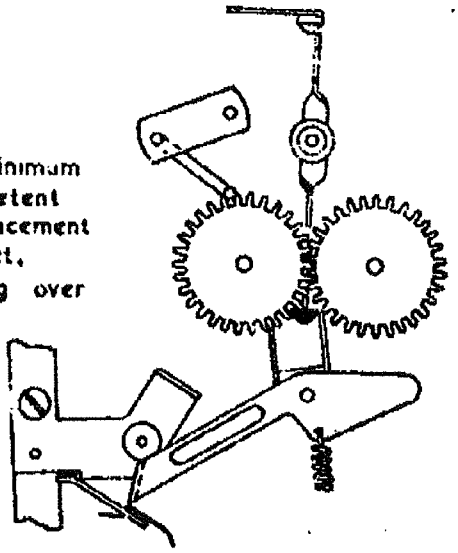


FIG. 29

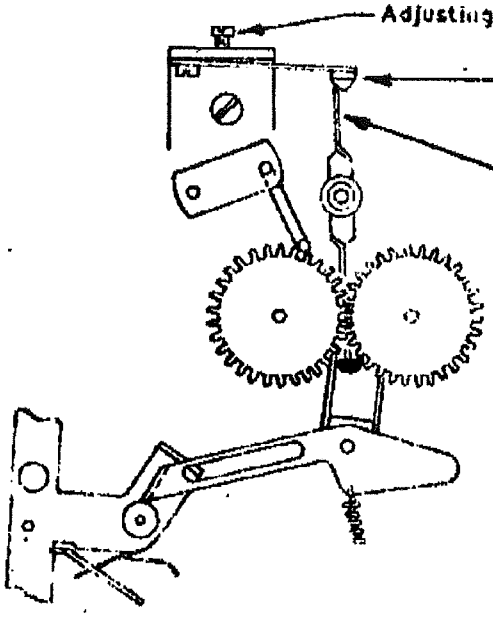


FIG. 30

Prong adjuster should gently strain forks to or from pallet

Spanner fitted over boss of toggle-lever forks.

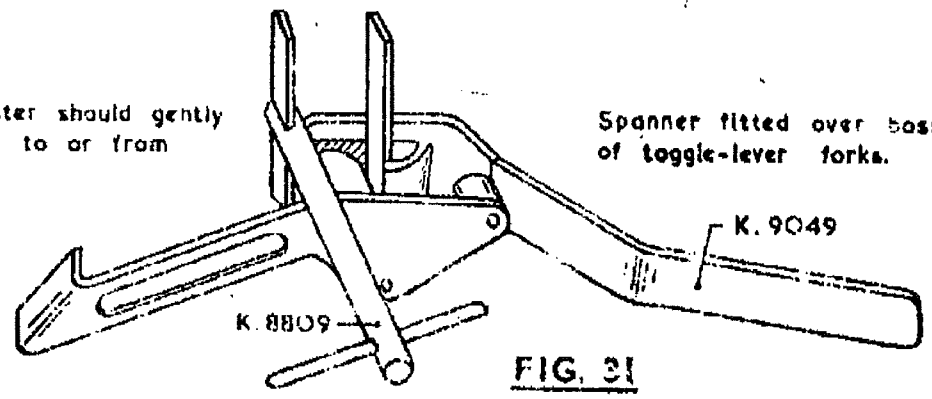


FIG. 31

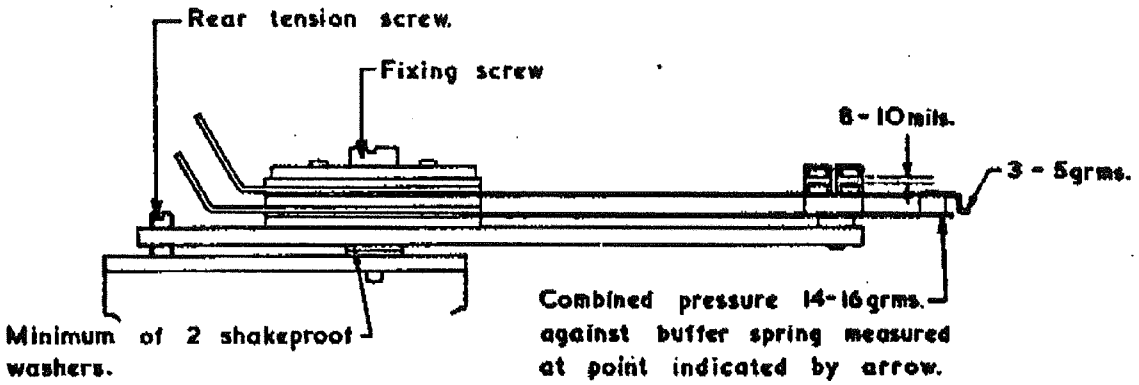


FIG. 32

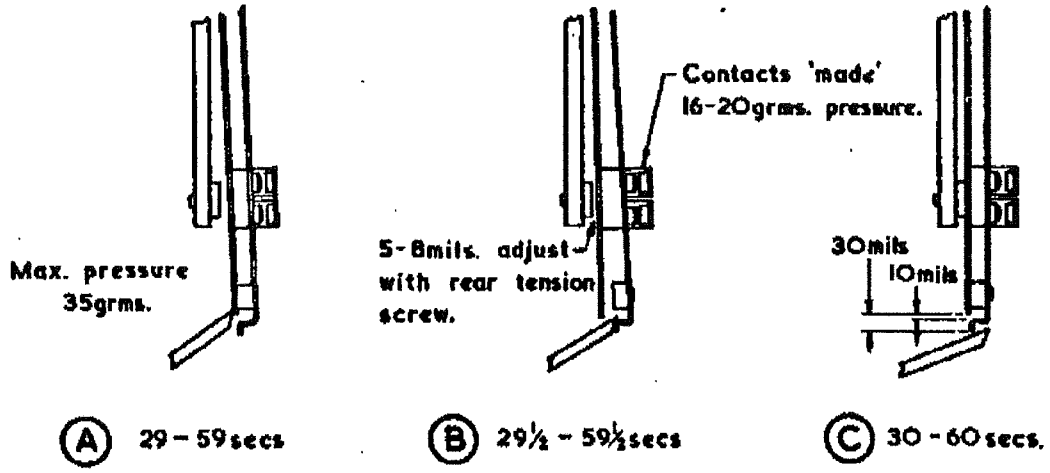


FIG. 33. ½ MINUTE SPRINGSET

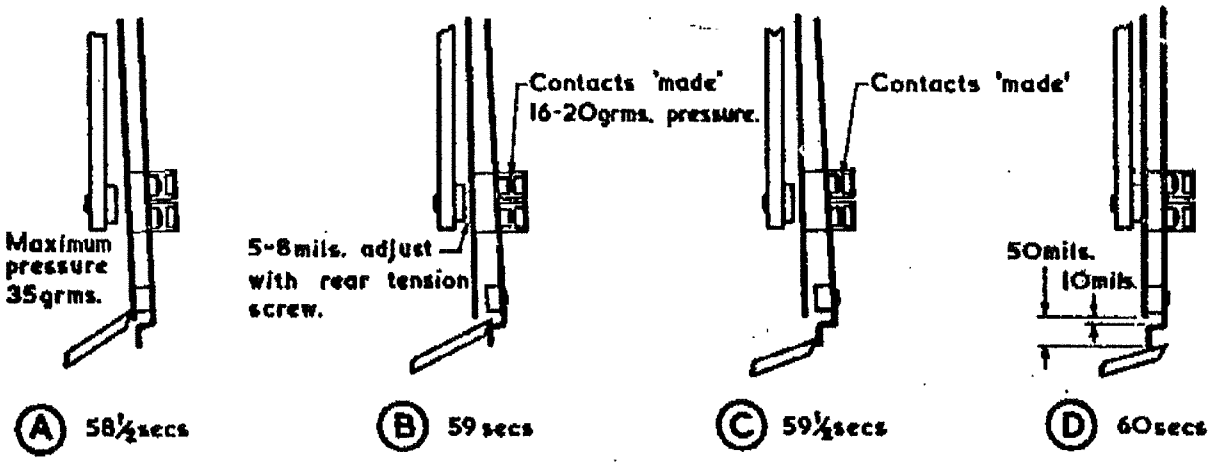


FIG. 34. 1 MINUTE SPRINGSET

ISSUE	1a	28 - 5 - 64 Redrawn. Springset adjustment details clarified.	Job No. 708