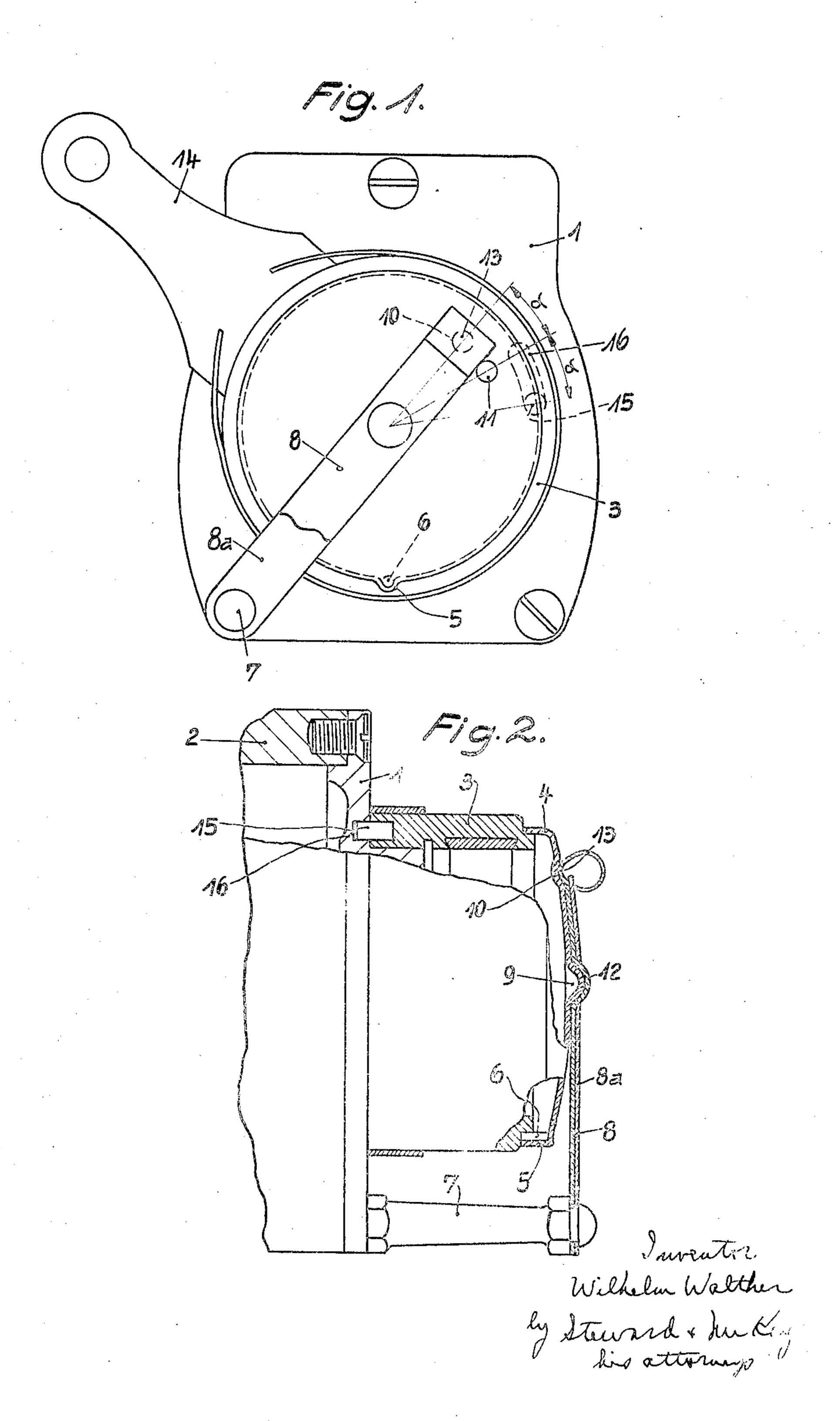
MAKE AND BREAK DEVICE FOR ELECTRIC IGNITION APPARATUS
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rotating cam rings for the same.

rod cannot be mounted on the adjustable lever taken that the adjustable cam ring cannot be a radius having as its centre the boss 9. displaced by shocks from the position in The bosses 10 and 11 are disposed at a make and break device is generally secured justment of the make and break device. in its position by screws, pegs and the like in order to obtain this effect. In order to change the adjustment of the make and break 15 device the tightening band has to be loosened when the lever is for example secured by such and the cam ring must be adjusted under the tightening band, this latter being tightened again. This procedure necessitates new 20 parts and a constructional alteration in the the nosepiece 13 of the leaf spring springs 70 apparatus. Adjustment by directly grasping the cam ring by hand is troublesome and inconvenient.

The object of the present invention is to 25 overcome these disadvantages and accordingly a leaf spring is provided which has the dual function of forcing the cam ring together with the cover against the casing and at the same time secures the cam ring in a 30 predetermined position against rotation.

The invention is more particularly described with reference to the accompanying drawing which shows one form of construction of the invention by way of example and

35 in which:—

Figure 1 is a partial section of a cam ring having a cover and a retaining spring.

Figure 2 is a sectional elevation.

A cam ring 3 is adjustably mounted on a 40 base plate 1 of the make and break device which is secured to a part 2 of an electric ignition apparatus comprising a cam ring ignition apparatus. The make and break de- adapted to be adjustably mounted on a base vice has a cover 4 from the edge of which plate of the ignition apparatus, a cover for a nosepiece 5 is pressed out, by which the said cam ring, a leaf spring adapted to press 45 cover is adapted to engage with a pin 6 in the cover against said ring and the ring 95 the cam ring, the cover being mounted on the against said base plate, two portions of said cam ring. When cam ring 3 rotates, cover cover which are pressed out of the plane of 4 is carried along by reason of the nosepiece pin connection 5, 6 between these parts.

The cover 4 is forced against the cam ring

The present invention relates to electrical 3 and the latter is forced against the base make and break devices and more particu- plate 1 by means of a leaf spring 8 rotatably larly to a stop device for adjustable non-secured to a bolt or pin 7, a strengthening spring 8a being laid on the leaf spring 8. 5 In all known cases in which the adjusting A boss 9 is pressed outwards in the centre 55 of the cover, whilst two recesses 10 and 11 of the make and break device, care must be are also pressed inwards of the cover about

10 which it has been adjusted. The lever of the distance corresponding to the angle of ad- 60

The leaf spring 8 is provided intermediate its ends and on one side with a recess 12 into which the boss 9 of the cover projects and also at the end and on the other side with a 65 nose-piece 13 which is adapted to engage in

the recesses 10 and 11 of the cover 3.

In order to adjust the make and break device the adjusting lever 14 is rotated until into the recess 11 and for this purpose the cam ring 3 is provided with a peg 15 which projects into a slot 16 of the base plate and restricts the range of adjustment of the cam ring.

I claim:

1. A make and break device for an electric ignition apparatus comprising a cam ring adapted to be adjustably mounted on a base plate of the ignition apparatus, a cover for 80 said cam ring, a leaf spring adapted to press the cover against said ring and the ring against said base plate, portions of said cover pressed out of the plane of the cover to form recesses, and a nose piece on said leaf spring 85 adapted for engagement with said pressed out portions of said cover thereby preventing rotation of said ring from a predetermined position.

2. A make and break device for an electric 90 the cover and are spaced apart by an arc subtending an angle equal to the angle of adjustment of the make and break device, and a nose 100

piece on said leaf spring adapted for engagement with said pressed out portions of said cover thereby preventing rotation of said ring

from a predetermined position.

3. A make and break device for an electric ignition apparatus comprising a cam ring adapted to be adjustably mounted on a base plate of the ignition apparatus, a cover for said cam ring, a peg on said cover engaging 10 said cam ring and preventing relative rota-tion between the two, a leaf spring adapted to press the cover against said ring and the ring against said base plate, and interengaging means between said leaf spring and said cover 15 preventing rotation of said ring from a pre-

determined position.

4. A make and break device for electric ignition apparatus comprising, in combination, a cam ring adapted to be adjustably mounted 20 on a base plate of the apparatus, a cover for said cam ring, resilient means adapted to press the cover against said ring and the ring against said base plate, and inter-engaging means between said resilient means and said 25 cover preventing rotation of said ring from a predetermined position.

In testimony whereof I have hereunto af-

fixed my signature.

WILHELM WALTHER.

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