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J. H. DAVIS

NUMBER RECORDER

Filed July 6, 1925

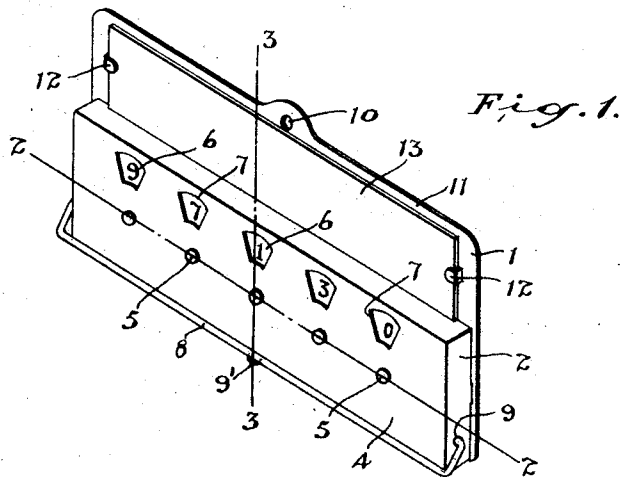
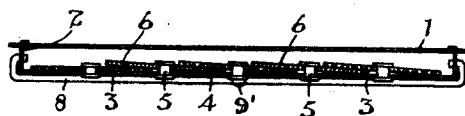


Fig. 2.

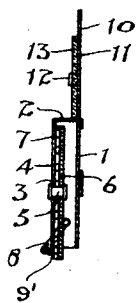


Fig. 4.

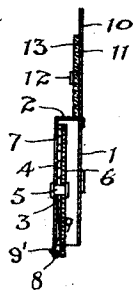


Fig. 3.

Inventor.

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UNITED STATES PATENT OFFICE.

JACOB HARRY DAVIS, OF TORONTO, ONTARIO, CANADA.

NUMBER RECORDER.

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The principal objects of the invention are to provide a device for recording numbers, such as the mileage upon the meters of motor cars, which will be easily manipulated and will be of good appearance and may be manufactured at a very low cost.

The principal features of the invention consist in the novel construction of a retaining casing and the arrangement of a plurality of number recording discs in said casing, whereby any desirable number may be recorded and retained.

In the drawings, Figure 1 is a perspective view of my improved numbering device.

Figure 2 is a longitudinal section taken through the line 2—2 of Figure 1.

Figure 3 is a vertical cross sectional view through the line 3—3 of Figure 1, showing the moveable guard for the discs in the protecting position.

Figure 4 is a sectional view similar to Figure 3, showing the guard in the raised position.

There are numerous uses for a numbering device which will record a large number and it is extremely desirable to provide a recorder which will record the total numbers shown on the speedometer of a motor car at a particular time, but particularly for the accommodation of the motorist in looking after the proper maintenance of oil.

The present invention comprises a sheet 1 which may be made of thin light metal such as aluminum or it may be of cardboard or celluloid and to the face of this sheet is secured a box-like structure 2 which is provided with an open bottom side. Holes 3 are punched in the outer plate 4 of the box 2 at equal distances apart and in these holes are secured the rivets 5. Discs 6 are rotatably mounted upon the inner ends of the rivets 5 and these discs have printed thereon the numerals from 0 to 9.

Openings 7 are cut in the face of the member 2 above the holes 3 to register with the printed numerals on the discs.

The discs are placed in an overlapping arrangement so that the openings 7 may be placed as close together as possible and the edges of the discs are preferably milled to enable their being easily turned. When it is desired to indicate a number on the device it is merely necessary to rotate the individual discs to bring the desired numbers into register with the openings 7.

In order to prevent the accidental dis-

placement of the discs, a guard is provided in the form of a wire loop 8 which is pivoted at the ends in the holes 9 in the end walls of the box 2. This loop when swung downwardly covers the edges of the discs projecting below the open bottom of the casing.

A lug 9' is provided on the bottom edge of the front wall of the box 2 about centrally of its length. This lug holds the guard out of contact with the knurled edges of the discs so that they can be readily turned but if the discs have been turned to indicate the desired numeral the wire loop may be sprung over the lug 9' and it will then cover the exposed edges of the discs and prevent their being accidentally turned with the finger or with a cloth in the dusting around the car in which the device may be placed.

It is desirable to have this recorder hung inside a motor car so that the operator may have a record of the mileage when a certain event took place, such as the changing of the oil and the device is provided with a hole 10 through which a suitable screw or fastener may be placed.

The portion 11 of the back sheet 1 is provided for the reception of printed instructions or it may be used as an advertising space and holding lugs 12 are here shown stamped from the plate to hold the card 13. The plate may of course be printed upon directly if desired.

A device such as described may be produced in a very neat form which will be neat and convenient in a motor car and it may be manufactured in large quantities at very low cost and is therefore within the reach of an advertiser who might desire to distribute these devices gratis to the user.

What I claim as my invention is:—

1. A number recorder, comprising a back plate, a casing secured to said back plate having an open bottom side and formed with openings in the front side, a plurality of number discs rotatably secured inside said casing and exhibiting their numerals through the opening in the front of the casing and projecting slightly beyond the open bottom side of said casing, and movable means for guarding the projecting edges of said discs.

2. A number recorder, comprising, a back plate, a casing secured to said back plate having an open bottom side and formed with openings in the front side, a plurality

of number discs rotatably secured inside said casing and exhibiting their numerals through the opening in the front of the casing and projecting slightly beyond the open bottom side of said casing, a guard pivoted to the ends of the casing and adapted to swing upwardly therefrom and to swing downwardly to cover the exposed portions of the discs projecting below the casing.

10 3. A number recorder, comprising, a back plate, a casing secured to said back plate having an open bottom side and formed with openings in the front side, a plurality

of number discs rotatably secured inside said casing and exhibiting their numerals 15 through the opening in the front of the casing and projecting slightly beyond the open bottom side of said casing, a guard pivoted to the ends of the casing and adapted to swing upwardly therefrom and to swing 20 downwardly to cover the exposed portions of the discs projecting below the casing, and a lug formed on the bottom edge of the casing to hold the guard in either the raised position or the protected position.

JACOB HARRY DAVIS.