Oct. 4, 1927. 1,644,471

T. P. HAGERMAN

MOTORIST'S SERVICE RECORDING DEVICE

Filed March 21, 1925

Fig. 1.

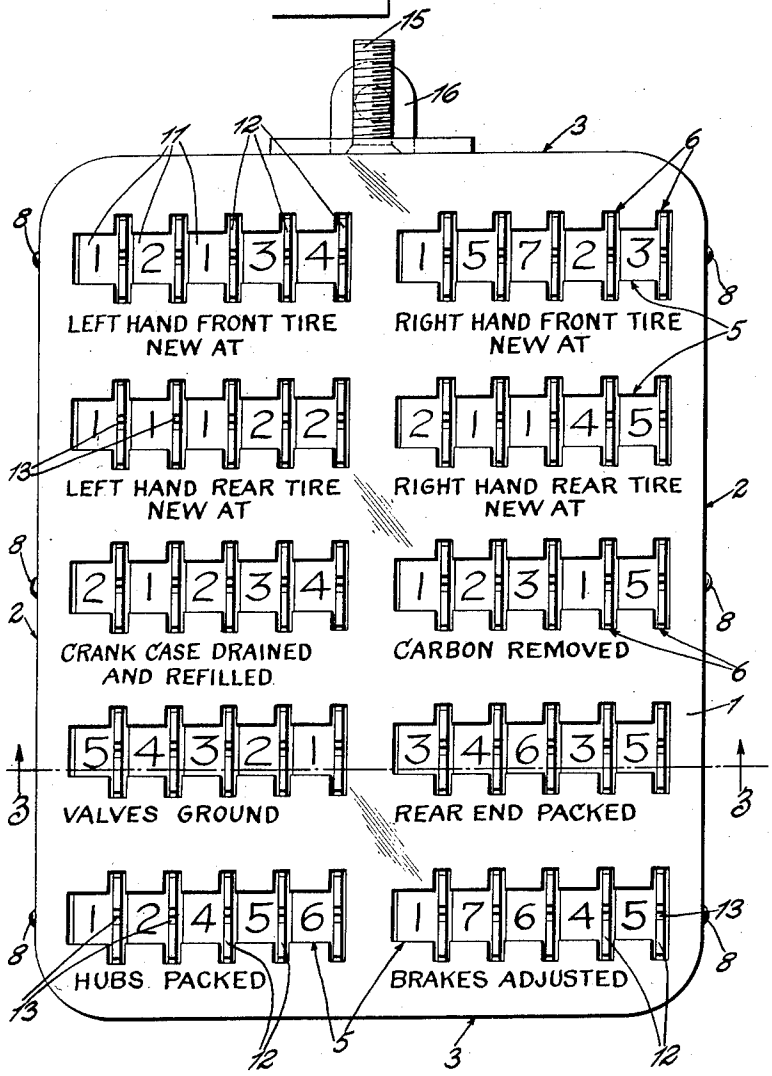


Fig. 2.

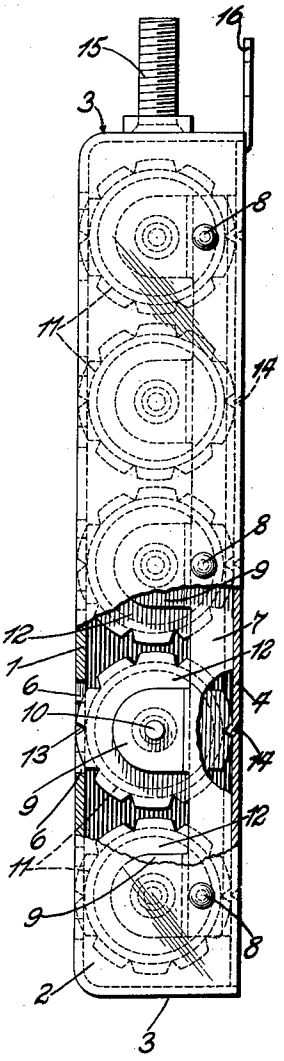
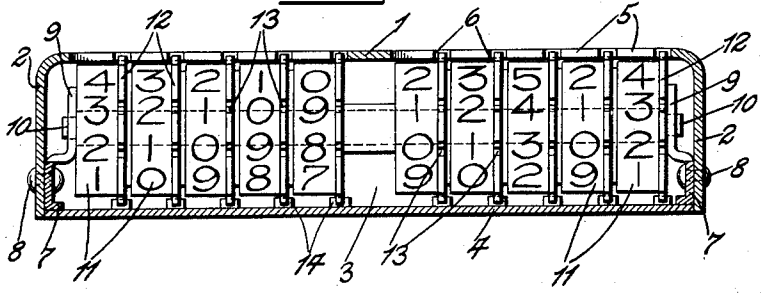


Fig. 3.



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UNITED STATES PATENT OFFICE.

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MOTORIST'S SERVICE-RECORDING DEVICE.

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An object of the invention is to provide an improved recording device of inexpensive and simplified construction, including a number of recording or indicating devices mounted and arranged in a supporting enclosure and settable to record or indicate the mileage that the automobile had traveled when certain work had been performed or adjustments had been made upon parts of the automobile. By use of a device of this character the owner or driver of the automobile may maintain a conveniently settable and visible indicator of desirable or essential data, whereby he will be enabled to keep himself informed as to facts that might otherwise be overlooked and result in damage to the vehicle.

Another object of the invention is to provide an improved recording or indicating device possessing the advantageous features of construction and mode of operation herein described, reference being made to the accompanying drawing, in which

Fig. 1 is an elevation showing the face of the device and the indicating instrumentalities therein.

Fig. 2 is a side edge elevation with parts of the casing broken away to disclose the arrangement of the indicating devices.

Fig. 3 is a cross sectional view on the line 3—3 of Fig. 1.

In the embodiment of the invention shown the casing comprises a plate shaped to provide a front wall 1, side edge walls 2, and upper and lower end walls 3. The casing is completed by a wall 4 enclosed within the margins of the side and end walls and secured thereto and preferably possessing the characteristics of resiliency and flexibility.

A number of vertical series of horizontal slots 5, each of which has a number of pairs of vertical notches 6 extending from its upper and lower edges, respectively, are formed in the front wall or face plate 1.

To each of the side edge walls 2 an angular plate 7 is attached by rivets 8 passing through said walls and one of the angular portions of said plates, while the other angular portions of said plates extend inwardly against the inner side of the plate 4 (Fig. 3). Each of the plates 7 has an inwardly offset arm 9 for each of the adjacent slots 5 and in said arms 9 the shafts 10 are mounted.

The indicators are independently rotative on the shafts 10, each of said indicators comprising a barrel or cylindrical portion 11 and a disc 12 secured together. The ten digits are arranged in consecutive order upon each part 11 as shown, so that as the indicators are adjusted the mileage which the automobile has traveled at the time of such adjustment will be displayed through the slots 5. The discs 12 are of greater diameter than the respective parts 11 to which they are attached and operate within the notches 6. Each disc 12 is formed with a peripheral series of notches 13 corresponding in number to the number of digits on the part 11 and designed and adapted to be engaged by any suitable implement or by the finger to turn the indicator from one adjustment to another. The wall 4 is shaped to provide a projection 14 for each disc, which projections engage in the notches 13 and hold the indicators from accidental turning, but, due to the resilient and flexible character of the plate 4, permit the indicators to be turned as previously stated.

The device may be mounted in position for convenient visibility in different ways, as by providing a threaded stud 15 to extend through a supporting part and receive a nut; or, the device may be supported by a hanger extension 16 arranged to engage over a support, or both of said devices may be employed.

The device may be made of such capacity as to maintain a constant record of all essential data needed in the proper maintenance of the automobile. As shown there are a set of dials indicating the mileage at which a new tire was mounted on each wheel. There are also sets of dials pertaining to the engine; one set indicating the mileage at which the crank case was drained and refilled; another set indicating the mileage at which the carbon was removed; another set indicating the mileage at which the valves were ground, while the remaining sets of dials maintain a record of other mileage changes. The face plate contains notations to indicate the functions of the respective indicating devices.

I am aware that the invention may be varied structurally without departure from the nature and principle thereof. I do not restrict myself unessentially, but what I claim and desire to secure by Letters Patent is:—

1. A device of the character described comprising a casing front wall having a series of transverse slots, a resilient casing back wall, side and end walls connecting the

front and back walls, a shaft supported in the casing opposite said slots, a series of indicating devices mounted on said shaft and arranged to display a row of digits through said slots, and a series of projections integral with said back wall engaging and holding the respective indicating devices from accidental rotation and permitting certain of said indicating devices to be turned manually and independently of each other while holding others of said devices from rotation.

2. A device of the character described comprising a casing composed of a front wall having series of transverse slots, a resilient plate forming the back wall of the casing and having series of projections thereon opposite said series of slots, shafts supported in the casing opposite said slots, series of indicating devices mounted on said shafts and arranged to display rows of digits through said slots respectively, and provided with peripheral indentations engaging said projections on said plate.

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