Aug. 19, 1930. S. M. GIRLICH 1,773,670

INDICATING DEVICE

Filed Oct. 26, 1928

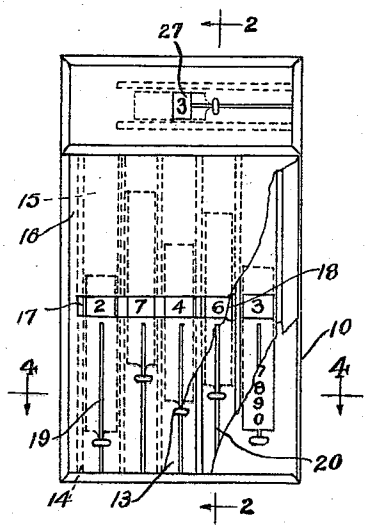

Fig. 1

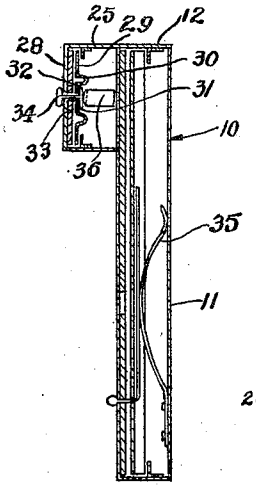

Fig. 2

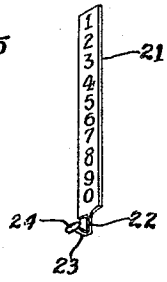

Fig. 3

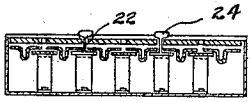

Fig. 4

Steve M. Girlich INVENTOR

BY Victor J. Evans

ATTORNEY

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UNITED STATES PATENT OFFICE

STEVE M. GIRLICH, OF CHICAGO, ILLINOIS

INDICATING DEVICE

Application filed October 26, 1928. Serial No. 315,230.

This invention relates to certain novel improvements in indicating devices, and has for its principal object the provision of an improved constructon of this character, which will be highly efficient in use and economical in manufacture.

The salient object of my invention is to provide a device which will be particularly adapted for indicating the mileage at which the oil in an automotive vehicle should be changed, and this consists in providing a plurality of readily adjustable indicating members.

As is well understood in the art, a so-called greasing of an automotive vehicle is not carried out at each oiling thereof but is carried out at longer intervals. I, therefore, provide an indicating device which will be so arranged that the number of oil changes made since the last greasing may be indicated so it will be readily understood at what time this greasing should be carried out.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings, wherein a preferred form of construction is shown, and in which:—

Fig. 1 is a front view depicting a preferred form of construction for my device and in which certain parts have been broken away;

Fig. 2 is a sectional view taken substantially on the line 2—2 on Fig. 1; and

Fig. 3 is a perspective detail view depicting one of the indicating strips employed in my device; and

Fig. 4 is a sectional detail view taken substantially on the line 4—4 on Fig. 1.

In the accompanying drawing, wherein I have illustrated a preferred form of construction for my device, I have indicated a mechanism, which as set forth hereintofore is adapted for indicating the lubricating periods of an automotive vehicle. While this is a preferred usage for my device, it is to be understood that it might be readily adapted to other uses without departing from the purview of my invention. My improved construction includes a body member 10 which is formed to be substantially box like, and which includes a back wall 11, and upwardly extending lip portions 12. A plate 13 extends between the upper edges of the lip construction 12 and at spaced apart intervals corrugations or grooves 14 are provided which are depressed inwardly with respect to the main container 10. These corrugations provide therebetween passage-ways 15 which are utilized in a manner to be set forth hereinafter. The plate 13 is intended to be covered by a lid member 16 which conceals the palte 13 from view as clearly shown in Fig. 1.

The lid member 16 includes depending flanges which embrace the members 12 preferably by a wedged fit to fix this lid member in position.

Extending transversely across the device in the cover member 16 is an opening 17 and a central opening 18 is provided in alignment with this opening in the plate 13. Extending at right-angles to the opening 17 are a plurality of spaced apart slots in the lid member 16 and slots 20 in alignment therewith and are formed in the plate 13. These slots 19 and 20 are substantially aligned with the central line of the grooves 15.

Disposed in the grooves 15 are the indicia carrying strips 21, which have, in the present instance, numerals provided thereon in consecutive order as clearly illustrated in Fig. 3. At one end of the strips 21 the projection 22 is provided, which includes a right-angularly extending portion 23 that is intended to extend through the slots 19 and 20, and an enlarged finger portion 24 is provided on the outer end of the portion 23 which is disposed above the cover member 16. By gripping the finger portion 24, the strips 21 may be moved through the grooves 15 to bring different ones of the numerals thereon into alignment with the aligned openings 17 and 18. In this manner, any desired reading may be secured dependent obviously, upon the number of strips 21 provided in the device of which there may be any desired number.

Arranged on the outer side of the cover member 16 adjacent one end thereof is a hous-

ing 26 which has an opening 27 formed in the upper surface thereof, at substantially the midpoint.

In the present instance, I show this housing as having an auxiliary plate 29 disposed below the cover plate 28 thereof, in which the opening 27 is provided. In the present instance, corrugations 30 are provided in the plate 29 to define a groove 31. In the groove 31 an indicating strip 32 is provided, which is arranged in a manner substantially similar to the indicating strips 21 and which includes a projecting portion 33 that extends through slots provided in the plates 28 and 29, and a finger portion 34 is provided for moving this indicating strip 32 through the groove 31 in order to bring the indicia thereon into alignment with the opening 27.

In order to prevent displacement of the indicating strips 21 and 32 from the grooves in which they are mounted, I provide, in order to support the strips 21, a leaf spring 35 which is secured to the back 11 of the housing 10, and one of these leaf springs 35 is provided for each of the strips 21 and which bear thereagainst so as to hold the strips in position. A similar leaf spring 36 is secured to the back of the housing 26 to hold the indicating strip 32 in position.

It is apparent from the foregoing description that I have provided a relatively inexpensive construction, for an indicating mechanism in which any desired combination may be provided. It is apparent that while I have described numbers as being the indicia on the strips, that this may be changed, to included other analogous indicia. Further, I have pointed out hereintofore, the device is not intended to be limited to the use I have set forth herein, as it is readily apparent that the device may be used in a number of different ways.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variations and modifications, without departing from the purview of my invention. I, therefore, do not wish to be limited to the precise details of construction set forth herein, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent is:

1. A device of the class described including a substantially box like housing having an open upper side, a plate extended across said open upper side having longitudinally extending corrugations therein defining passage ways, said plate having slots therein disposed at substantially the midpoint of said passage ways and extending therethrough for a predetermined distance, said plate having openings in said passage ways at the inner ends of said slots indicia bearing strips in said passageways, another plate disposed over said first named plate and having depending portions embracing the sides of said box like housing, said last named plate having slots therein aligned with said first named slots, means at one end of said indicia bearing strips extended through said slots, said second named plate having openings therein aligned with the openings in said first named plate, and resilient means bearing against said indicia bearing strips to hold said strips in said passage ways.

2. In a device of the character stated, a housing having an open side, a plate disposed over said open side having longitudinally extending corrugations therein defining passage ways in said plate, another plate disposed over said first named plate, said plates having slots therein disposed in alignment with substantially the midpoints of said passage ways and extended across said plates for a predetermined distance, said plates having aligned openings therein disposed in alignment with said passage ways, indicia bearing strips in said passage ways and having lug portions at one end thereof extended through said slots and having finger portions on the end thereof disposed extraneous said slots, spring members secured to the back wall of said housing and disposed against said strips to retain said strips in said passage ways whereby when said finger portions are gripped said strips may be moved through said passage ways to align indicia thereon with said openings.

In testimony whereof I affix my signature.

STEVE M. GIRLICH.