E. SUMMERTON.

GAGE GLASS CLEANER.

APPLICATION FILED MAR. 5, 1918.

1,297,416. Patented Mar. 18, 1919.

Fig. 1

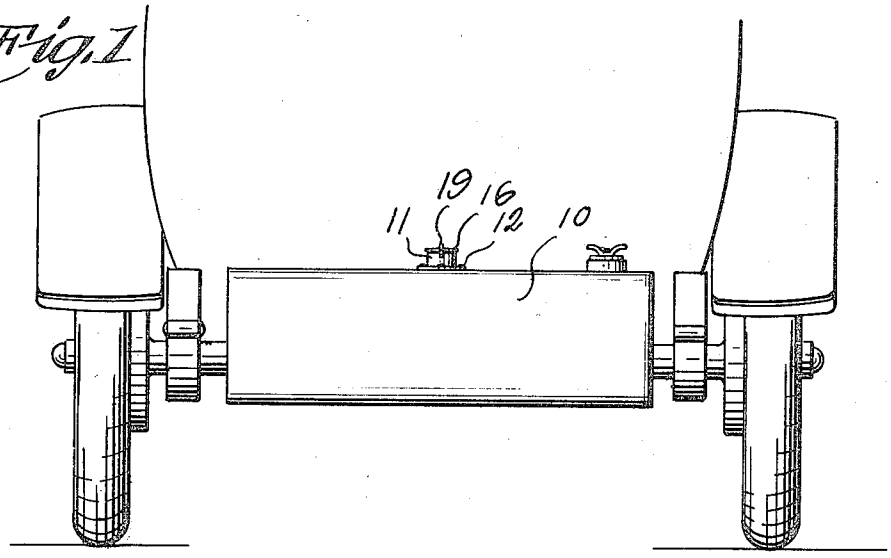


Fig. 2.

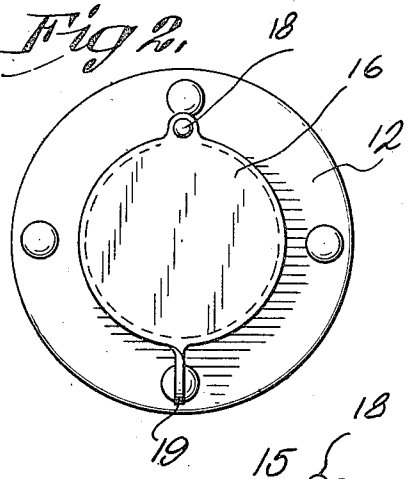


Fig. 3.

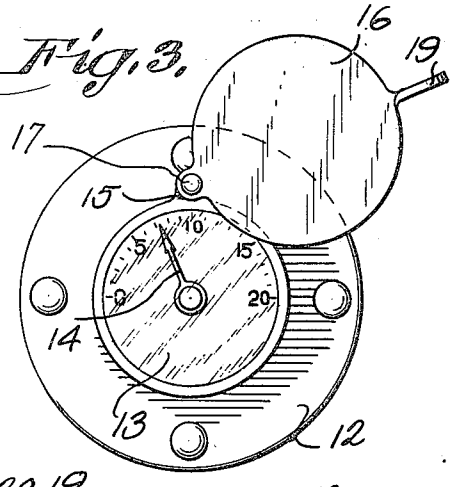


Fig. 4.

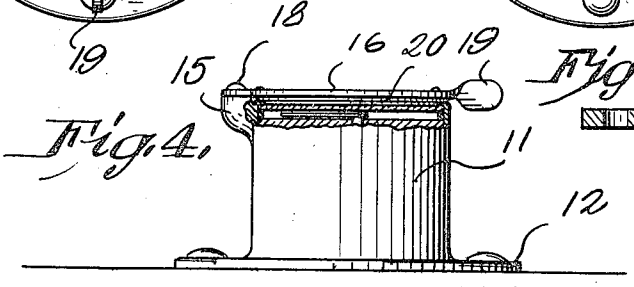
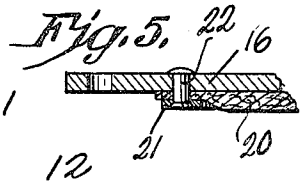


Fig. 5.



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GAGE-GLASS CLEANER.

1,297,416. Specification of Letters Patent. Patented Mar. 18, 1919.

Application filed March 5, 1918. Serial No. 220,545.

To all whom it may concern:

Be it known that I, ETHEL SUMMERTON, a citizen of the United States, residing at Sheridan, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Gage-Glass Cleaners, of which the following is a specification.

This invention has relation to improvements in dial gages for automobile fuel tanks, and has for an object to provide a device including a pivotally mounted disk to normally cover the dial, and a thickness of felt or other absorbent material secured to the under side thereof to normally cover the dial, to normally engage the glass or other transparent member covering the dial whereby when the disk is moved to expose the dial the face of the glass will be automatically wiped to remove dust therefrom so that the dial may be readily used.

In addition to the foregoing my invention comprehends improvements in the details of construction and arrangement of the parts to be hereinafter more fully described and particularly set forth in the appended claims.

In the accompanying drawings in which similar and corresponding parts are designated by the same characters of reference throughout the several views in which they appear:—

Figure 1, is a view in rear elevation of a motor vehicle illustrating the tank and the dial gage.

Fig. 2, is an enlarged view in top plan of the casing and covering for the dial gage.

Fig. 3, is a similar view to the foregoing illustrating the covering disk in an uncovered position, and

Fig. 4, is a view in side elevation, partly in section illustrating the dial gage and my improvement thereto, and

Fig. 5 is a longitudinal detail section of the inner end of a pivotally mounted cover plate.

With reference to the drawings, 10 indicates a fuel tank usually located at the rear of a motor vehicle, and 11 indicates a cylindrical casing mounted thereon, having a base flange 12 whereby the same is secured to the tank and its upper end open and normally closed by means of a plate of glass, 13, or other transparent material covering the dial. The pointer indicated at 14 is operable by means (not shown), whereby the quantity of gasolene or other fuel within the tank may be clearly indicated.

My invention comprises a lug 15 which is formed integrally with the casing 11 adjacent the upper edge and extends laterally therefrom and is provided with a vertically extending aperture. A covering disk 16 is provided having an apertured ear 17 formed upon one edge for superposition upon the top of the casing 11 and a rivet 18 or the like penetrates said apertured ear and enters the opening of the lug 15 whereby to pivotally mount said disk. The disk 16 is also provided at a point opposite the apertured ear 17 with an integrally formed lug 19 which is subsequently twisted to dispose the same in a plane at right angles whereby to form a finger piece for readily moving the disk. Secured to the under side of the disk 16 is a disk or circular piece of felt 20, or other suitable absorbent material. An annular band or ring 21 is provided corresponding in diameter to the diameter of the disk 20 and is applied to the periphery of said disk 20 and subsequently secured by means of rivets or the like 22 to the disk 16 to securely retain the felt in place. It will be noted that the periphery of the felt is bound tightly against the disk 16 while the central portion thereof presents a more or less convex appearance permitting the felt to enter into the upper end of the casing 11 and to engage the transparent plate 13. To this end the felt should be comparatively thick. In use the disk 16 is normally retained over the casing 11 whereby the felt in contact with the glass will keep the same clean. It will be noted that when the disk 16 is moved to expose the dial the glass 13 will be subjected to a wiping operation, which will effectively remove any adhering particles of dust, oil, etc., and will permit the state of the dial or gage to be accurately viewed.

While I have illustrated and described my invention with some degree of particularity, I realize that in practice various alterations thereover may be made, and I therefore desire to reserve the right and privilege of changing the form of the details of construction, or otherwise altering the arrangement of the correlative parts without departing from the spirit of the invention or the scope of the appended claims.

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

1. In combination with a dial glass for fuel tank gages, a covering plate therefor mounted for movement in a plane parallel to the glass to expose the dial, and a wiping means for said glass.

2. In combination with a dial glass for fuel tank gages, a plate pivotally mounted to swing in a plane parallel to that of the glass, and to cover the glass, and means on the under side of the plate to subject the glass to a wiping operation during movement of the cover plate while the cover plate is swung to an open or closed position.

3. In combination with a dial glass for fuel tank gages including a glass cover for the dial, a cover plate pivotally mounted to cover the dial, a disk of absorbent material applied to the under side of the cover plate, a ring engaging the periphery of the disk, and means securing the ring to the cover plate, said glass cover being subjected to a wiping operation when the cover plate is moved to expose the dial.

In testimony whereof I affix my signature in presence of two witnesses.

ETHEL SUMMERTON.

Witnesses:
MARTHA L. DOTY,
FLORENCE L. GRAVES.