

UNITED STATES PATENT OFFICE.

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BATTERY-CONDITION REGISTER.

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To all whom it may concern:

Be it known that I, STEAVEN D. JERABEK, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented a certain new and useful Battery-Condition Register, of which the following is a specification.

My invention relates to a storage battery condition register, and the objects of my invention are: first, to provide a register of this class which may be readily positioned at any convenient place on the vehicle for occasionally reminding the operator when the battery is to be tested and also for registering the reading of the hydrometer at the last testing; second, to provide a register of this class which may be readily secured to the dashboard of a vehicle and which may be easily operated from the driver's seat; third, to provide a register of this class in which the members provided with various inscriptions are frictionally held in position by means of springs which force said members against the enclosing casings; fourth, to provide a register of this class in which certain portions of one of the casing members project through the dashboard of the vehicle, positioning the same thereon, and which portions serve to revolvably support the registering members and the knobs for operating the same; fifth, to provide a novelly constructed register of this class, and sixth, to provide a storage battery condition register which is very simple and economical of construction, durable, and which will not readily deteriorate or get out of order.

With these and other objects in view, as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon, which form a part of this application, in which:

Figure 1 is an end elevational view of my register secured to the dashboard of a vehicle, showing the dashboard fragmentarily and in section to facilitate the illustration; Fig. 2 is a front elevational view of my register positioned on the dashboard, showing the same fragmentarily and also showing certain parts and portions of the casing of the register broken away and in section to

facilitate the illustration, and Fig. 3 is a longitudinal sectional view thereof taken through 3—3 of Fig. 2.

Like characters of reference refer to similar parts and portions throughout the several views of the drawings.

The casing members 1 and 2, dashboard 3, nut 4, discs 5, 6 and 7, disc supporting members 8, and the springs 9 and 10, constitute the principal parts and portions of my register structure.

The casing member 1, of my register, consists of a plate which forms the base of the same and is positioned against the front face of the dashboard 3 of a vehicle. Said casing member is provided with a plurality of hollow, backwardly extending bosses 1^a and 1^b. The boss 1^a, being externally threaded and positioned in the middle of the casing member, extends through the dashboard and secures the member 1 in position on the dashboard by means of a nut 4. The other hollow bosses 1^b, spaced from the boss 1^a, also extend through the dashboard as shown in Figs. 1 and 3 of the drawings. The bosses 1^a and 1^b serve as journals for the disc supporting members 8, which extend therethrough and are provided at their backwardly extending ends with knurled knobs 8^a for rotating the same. The forwardly extended ends of the members 8 are preferably reduced and externally threaded and screwed into the middle portions 7 of the registering members or discs 5, 6 and 7. The disc 5 is provided with inscriptions of months of the year, and the disc 7, spaced therefrom and supported on a member 8 extending through the other boss 1^b, is inscribed with the days of the month. The exterior or front casing member 2 is frictionally secured to the casing member 1 and forms an enclosure for the discs 5, 6 and 7. The casing member 2 is provided with segmental openings 2^a and 2^b, through which, respectively, the names of the months and the days of the month may be seen. Positioned between each of the discs 5 and 7 and the casing member 1 and around the bosses on the back sides of said discs are the springs 9, which are adapted to position said discs against the inside of the casing member 2. The disc supporting member 8 extending through the middle, hollow boss 1^a, is constructed similarly to the other members 8 and is secured at its forward end to the disc 6 upon which are inscribed the con-

ventional readings of the hydrometer for testing the storage battery. The casing member 2 is provided with a third opening 2^a at the lower, middle portion of the same through which the inscriptions of said latter disc may be seen and registered. A spring 10 is also positioned between the disc 6 and the casing member 1 for forcing said disc against the discs 5 and 7 for frictionally securing the same in position when rotated by the knurled knob at the rear end of the member 8, supporting the same.

It is obvious from this construction as illustrated in the drawings and described in the foregoing specification that there is provided a register for registering the condition of the storage battery of the vehicle and for reminding the operator when the battery is to be tested or filled, as set forth in the objects of the invention, and though I have shown and described a particular construction, combination and arrangement of parts and portions, I do not wish to be limited to this particular construction, combination and arrangement, but desire to include in the scope of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

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

1. A condition register for storage batteries, including a plate adapted to be secured to a vehicle, a plurality of disc supporting and rotating members extending therethrough, discs provided with inscriptions on one side secured to an extended end of each of said disc supporting and rotating members, and a casing member secured to said plate and provided with a plurality of openings through which the inscriptions of said discs may be seen.

2. A condition register for storage batteries, including an automobile dash, a plate secured to the front side of said dash, a plurality of disc supporting and rotating members extending through said plate and said dash, discs provided with inscriptions on one side secured to an extended end of each of said disc supporting and rotating members, a casing member secured to said plate and provided with a plurality of openings through which the inscriptions of said discs may be seen, and spring means in connection with said discs for forcing the same in engagement with said casing member.

3. A condition register for storage batteries, including an automobile dash, a plate secured to the front side of said dash, a plurality of disc supporting and rotating members extending through said plate and said dash, discs provided with inscriptions on one side secured to an extended end of each of said disc supporting and rotating

members, a casing member secured to said plate and provided with a plurality of openings through which the inscriptions of said discs may be seen, and spring members positioned between said plate and said discs for holding the same in frictional engagement with the inside of said casing member.

4. A condition register for storage batteries, including a casing member positioned against the front face of the dashboard of a vehicle and provided with a plurality of backwardly extending, spaced apart hollow bosses, one of said bosses being externally threaded and extended through said dashboard, a nut engaging the threads of said threaded boss, a plurality of disc supporting and rotating members extending through said hollow bosses and provided at their backwardly extending ends with rotating portions, a plurality of discs provided with different inscriptions secured at the opposite ends of said disc supporting and rotating members, and another casing member, provided with a plurality of openings, forming an enclosure for said discs.

5. A condition register for storage batteries, including a casing member positioned against the front face of the dashboard of a vehicle and provided with a plurality of backwardly extending, spaced apart hollow bosses, one of said bosses being externally threaded and extended through said dashboard, a nut engaging the threads of said threaded boss, a plurality of disc supporting and rotating members extending through said hollow bosses and provided at their backwardly extending ends with knurled knobs, a plurality of discs provided with different inscriptions secured at the opposite ends of said disc supporting and rotating members, another casing member, provided with a plurality of openings, forming an enclosure for said discs, and means for frictionally holding said discs in certain rotated positions.

6. A condition register for storage batteries, including a casing member positioned against the front face of the dashboard of a vehicle and provided with a plurality of backwardly extending, spaced apart hollow bosses, one of said bosses being externally threaded and extended through said dashboard, a nut engaging the threads of said threaded boss, a plurality of disc supporting and rotating members extending through said hollow bosses and provided at their backwardly extending ends with knurled knobs, a plurality of discs provided with different inscriptions secured at the opposite ends of said disc supporting and rotating members, another casing member, provided with a plurality of openings, forming an enclosure for said discs, and springs positioned between said first mentioned casing member and the back side of said discs for

holding the same in frictional engagement with the said last mentioned casing member.

7. A condition register for storage batteries, including a pair of casing members secured relatively to each other, a pair of disc supporting and rotating members spaced from each other and extending through one of said casing members, discs secured to said disc supporting and rotating members and positioned inside of said casing members, another disc supporting and rotating member positioned intermediate said other disc supporting and rotating members, another disc supported on one end of said last mentioned disc supporting and rotating member and positioned inside of said casing members and against said first mentioned discs, and means for frictionally holding said discs in certain positions.

8. In a condition register for storage batteries, the combination with the dashboard of a vehicle of a supporting member positioned against the front face of said dashboard and provided with a plurality of backwardly extending, hollow bosses spaced from each other, one of said bosses extending through said dashboard and securing said supporting member in position on the same, rotating members revolubly mounted in said hollow bosses and provided with rotating portions at their backwardly extending ends, registering members, respectively provided with inscriptions of months, days of the month and hydrometer readings,

connected with said rotating members, and a casing enclosing said registering members, said casing member being provided with a plurality of openings through which one of the inscriptions of each registering member may be seen.

9. In a condition register for storage batteries, the combination with the dashboard of a vehicle of a supporting member positioned against the front face of said dashboard and provided with a plurality of backwardly extending, hollow bosses spaced from each other, one of said bosses extending through said dashboard and securing said supporting member in position on the same, rotating members revolubly mounted in said hollow bosses and provided at one end with rotating portions and at their other ends with registering members, respectively provided with inscriptions of months, days of the month and hydrometer readings, a casing enclosing said rotating members and secured to said supporting member, said casing member being provided with a plurality of openings through which one of the inscriptions of each registering member may be seen, and means for frictionally securing said registering members in certain rotated positions.

In testimony whereof, I have hereunto set my hand at San Diego, California, this 24th day of September, 1923.

STEAVEN D. JERABEK.