J. W. CARTER, Jr.

INDICATOR.

APPLICATION FILED MAY 29, 1919.

1,349,321.

Patented Aug. 10, 1920.

Fig. 1.

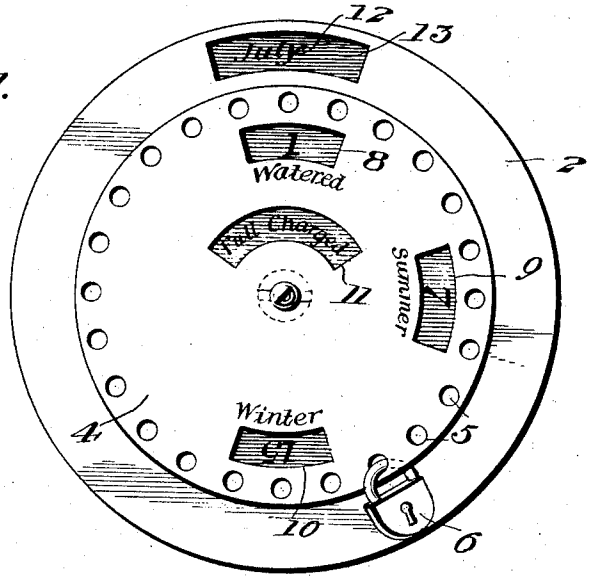


Fig. 2.

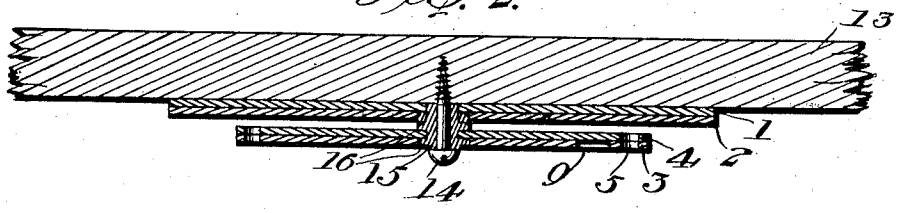
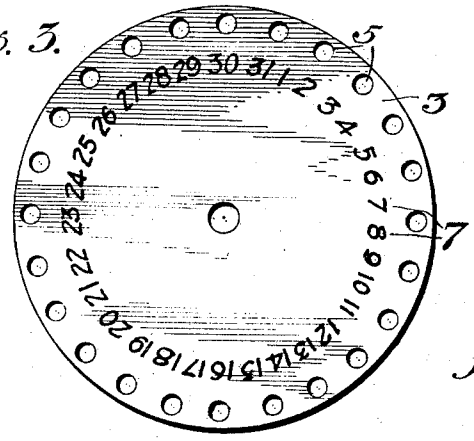


Fig. 3.



WITNESSES

R. E. Rousseau.

C. E. Trainor.

INVENTOR

J. W. Carter, Jr.

BY Munn Hos

ATTORNEYS

UNITED STATES PATENT OFFICE.

JAMES WILLIAM CARTER, JR., OF ABILENE, TEXAS.

INDICATOR.

1,349,321. Specification of Letters Patent. Patented Aug. 10, 1920.

Application filed May 29, 1919. Serial No. 300,523.

To all whom it may concern:

Be it known that I, JAMES W. CARTER, Jr., a citizen of the United States, and a resident of Abilene, in the county of Taylor and State of Texas, have invented certain new and useful Improvements in Indicators, of which the following is a specification.

My invention is an improvement in indicators, and has for its object to provide a device of the character specified, especially adapted for use on storage batteries to indicate the condition of the battery, as for instance, when watered and when charged, and the approximate extent of charging.

In the drawings:

Figure 1 is a front view of the indicator,

Fig. 2 is a horizontal section through the indicator and its support,

Fig. 3 is a front view of the indicator valve.

As is known, storage batteries require watering at least once a week during the summer months, and every fortnight during the winter months, and the present invention is designed to indicate the date of the last watering, and that of the next, both in winter and in summer, and to indicate the date of charging, and whether full or partly charged, and so arranged that it may be locked to prevent accidental displacement or tampering.

In the present embodiment of the invention a suitable support is provided comprising disks 1 and 2 which are superposed and are rotatable upon each other for a purpose to be presently described. Another pair of disks 3 and 4 is provided, and these disks have each an annular series of registering openings 5 at the periphery of the disk.

The openings are adapted to register as shown in Fig. 2, for receiving the shackle of a padlock 6 of usual construction, to lock the disks together, and to prevent them from relative rotation with respect to each other.

The disks 3 carry an annular series of numbers 7, the said numbers being arranged consecutively, and running from 1 to 31, and representing the days of the month. The disk 4 has four cutouts or slots 8, 9, 10 and 11, the said cutouts being arc shaped, and the cutouts 8, 9 and 10 being near the periphery of the disk, and in position to permit the numerals 7 to appear through the cutouts.

A legend is provided adjacent to each of the openings 8, 9 and 10, that adjacent to the opening 8 being "watered," while those adjacent to the openings 8, 9 and 10 are "summer" and "winter," respectively.

The disk 3 also carries legends, one of which "full charged" appears through the opening 11. The disk 1 has a series of legends 12 at its periphery, twelve in number, and bearing the month designations, and the disk 2 has an opening or cut out 13 through which these legends may appear.

The four disks are held to a support 14, by means of a screw 15, and a suitable arbor 16 encircles the screw, the arbor having spacing ribs for spacing a pair of disks 1—2 from the pair 3—4. It will be understood that suitable advertising matter may be provided on the edge of the disk 2, which extends beyond the disks 3 and 4, or on the face of the disk 4, and that the improved indicator may be of any desired material, as for instance, cardboard, celluloid, sheet metal or the like, and may be suitably ornamented if desired.

In use the indicator is secured to any suitable portion of the battery or wherever dedesired. When the battery is watered, the disk 3 is turned with respect to the disk 4, to bring the proper date of watering to the opening 8. Since the openings 9 and 10 are arranged in such manner as to show the numerals of the series 7 a week ahead and a fortnight ahead, respectively, it will be obvious that when the numeral 1 for instance appears at the cut out 8, the numerals 7 and 15 will appear at the cutouts 9 and 10 respectively.

The arbor 15 has oppositely extending lugs 16 at the disks 2 and 4, to prevent rotation of the said disks, the said disks 2 and 4 being always held in the same position.

I claim:

An indicator comprising a pair of disks held together axially and rotatably with respect to each other, each disk having an annular series of openings near its periphery, the openings being adapted to register

to receive a lock for locking the disks together, the rearmost disk having near its periphery and inside the annular openings a series of consecutively arranged numerals indicating the days of the month, the foremost disk having a series of display openings for permitting a certain predetermined sequence of numbers to be visible simultaneously, and having other display openings, the rearmost disk having legends to be displayed through said other display openings.

JAMES WILLIAM CARTER, JR.