

B. FORD.
STORAGE BATTERY.
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1,367,594.

Patented Feb. 8, 1921.

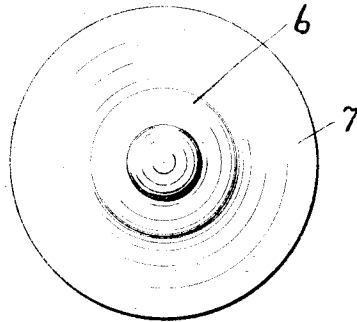


FIG. 1.

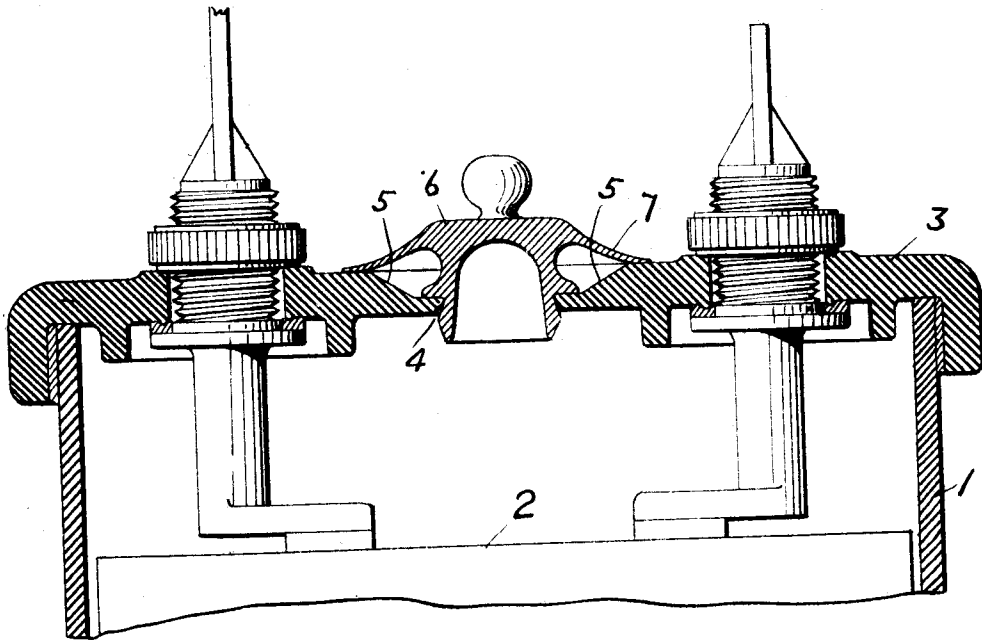


FIG. 2.

WITNESS:

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BRUCE FORD, OF PHILADELPHIA, PENNSYLVANIA.

STORAGE BATTERY.

1,367,594.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, BRUCE FORD, a citizen of the United States, and a resident of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Storage Batteries, of which the following is a specification.

The principal object of the present invention is to avoid the introduction of dust and other foreign matter when filling or re-filling a storage battery jar or container.

Other objects of the invention will appear from the following description of the invention which will be claimed at the end hereof, but first explained in connection with the accompanying drawings, forming part hereof and in which—

Figure 1, is a top or plan view of a skirted stopper or plug, and

Fig. 2, is a view, principally in section, showing the skirted stopper in association with a cover having a funnel-filling opening.

In the drawings 1 is a battery container or jar in which is arranged a plate structure 2, and which contains the electrolyte. 3, is a cover provided with a filling opening 4, and having around the inlet of the opening 4, a depression 5, constituting an entrance funnel. 6, is a plug or stopper adapted to the opening and provided with a skirt 7, covering the depression. The plug or stopper 6 and skirt 7 may be of soft rubber, and when that is the case the skirt lies snugly on the face of the cover. The plug or stopper illustrated is of soft rubber and is cored out from its end, and it is shown as fitted into the tapered and chamfered wall of the inlet or opening 4, thus providing a tight closure.

In filling the jar or container with appropriate fluid, the depression 5 serves as a funnel and if it contained dust or foreign matter the latter would fall or be washed into

the interior of the jar or container, where its presence would be disadvantageous for reasons well understood by those skilled in the art, but since the skirt covers the funnel depression 5, the same is protected from dust and dirt by the skirt 7 which covers it and excludes foreign matter. The skirt being a provision of the stopper or plug is always in position to cover the funnel portion when the stopper is in place for closing the inlet, and the skirt cannot be lost or mislaid since it is attached to the plug. Again while possessed of the advantages referred to, the skirt adds little or nothing to the cost.

I claim:

1. In a storage battery container or jar the combination of a cover provided with a filling opening and having around the inlet of the opening a depression constituting an entrance funnel, and a plug or stopper adapted to stop the opening and provided with a skirt covering the depression, substantially as described.

2. In a storage battery container or jar the combination of a cover provided with a filling opening and having around the inlet of the opening a depression constituting an entrance funnel, a rubber plug or stopper adapted to stop the opening and provided with a soft rubber skirt covering the depression and lying on the face of the cover, substantially as described.

3. In a storage battery container or jar the combination of a cover provided with a tapered and chamfered filling opening and having around the inlet of the opening a depression constituting an entrance funnel, and a soft rubber plug or stopper fitted in the tapered and chamfered wall of the filling opening and provided with a soft rubber skirt covering the depression and lying on the face of the cover, substantially as described.

BRUCE FORD.