

J. H. THOMAS.
Insulators for Battery-Cups.

No. 136,191.

Patented Feb. 25, 1873.

Fig. 1.

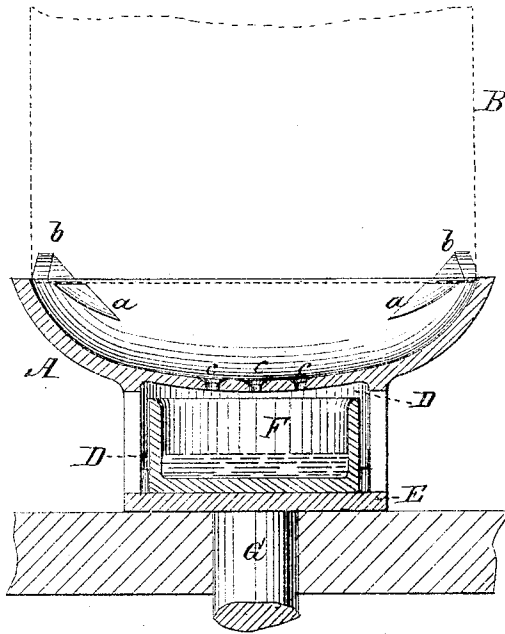
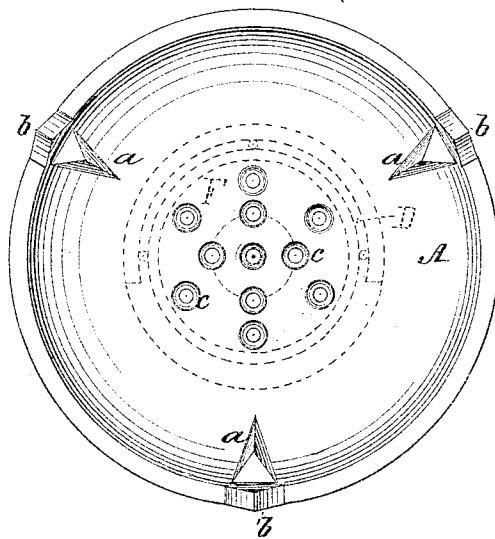


Fig. 2.



Witnesses:
G. Harris.
John Kemon

Inventor:
James H. Thomas
PER [Signature]
Attorneys.

UNITED STATES PATENT OFFICE.

JAMES H. THOMAS, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF
HIS RIGHT TO A. G. TOMAY, OF SAME PLACE.

IMPROVEMENT IN INSULATORS FOR BATTERY-CUPS.

Specification forming part of Letters Patent No. 136,191, dated February 25, 1873.

To all whom it may concern:

Be it known that I, JAMES H. THOMAS, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and Improved Insulated Battery-Cup Holder, of which the following is a specification:

Telegraph cup or tumbler holders have been provided with tubular or perforated shanks or stems, for the purpose of conducting the moisture or overflow from the cup to the floor. Aside from certain other disadvantages resulting from this construction, the injury to both the battery and floor, or articles which chance to be placed in proximity, renders it highly objectionable.

The object of my invention is to furnish an insulated holder adapted to remedy such difficulties; and to this end I provide the saucer-shaped or inverted conical holder with perforations in the bottom, and form a chamber beneath the same to receive a cup, into which the overflow of the battery-tumbler will pass, as will be hereinafter described.

In the drawing, Figure 1 is a central vertical section. Fig. 2 is a top view.

The concave portion of the holder A is provided with triangular lugs *a a* to form a support for the cup or tumbler B, and with adjacent vertical points or lugs *b b* to keep it in proper position, or prevent lateral displacement—the former being below and the latter above the rim of the holder. Perforations *c* are formed in the bottom of the holder, and a chamber, D, in the lower cylindrical part E, or base of the same, to receive the cup F, which is of corresponding form. To facilitate

the removal of the latter, one side of the chamber is cut away, as shown. The shank G is rigidly connected with the base E. The leakage or overflow of the acid from the battery-cup B will be conducted down the inclined sides of the holder proper, and pass into the receptacle F, which may be readily removed when full, or otherwise required, thus preventing any part of the liquid falling on the floor, battery-stand, or other object.

It will be understood that the holder and removable cup will, in practice, be made of materials best adapted to withstand the attack of such active chemicals as nitric and sulphuric acid.

Thus constructed, the device constitutes a highly useful and desirable substitute for the battery-cup holders in general use, and the change may be made without difficulty and without any other expense than the cost of the new article.

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

As a new and improved article of manufacture, the insulated battery-cup holder, consisting of the concave part A provided with lugs and with the perforations *c*, the base E having the chamber D, for the cup F, and the shank G, all constructed as shown and described.

JAMES H. THOMAS.

Witnesses:

A. G. TOMAY,
WM. SMITH.