

(No Model.)

B. OVERLACK.

JAR FOR GALVANIC BATTERIES.

No. 387,654.

Patented Aug. 14, 1888.

Fig. 1.

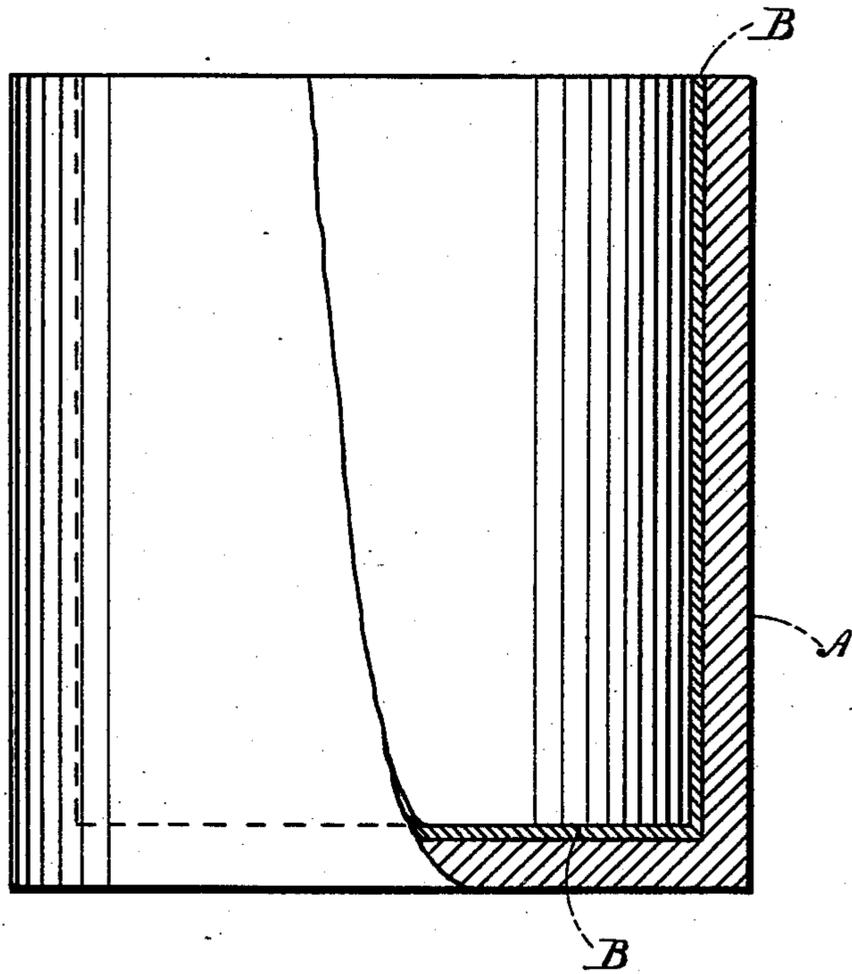
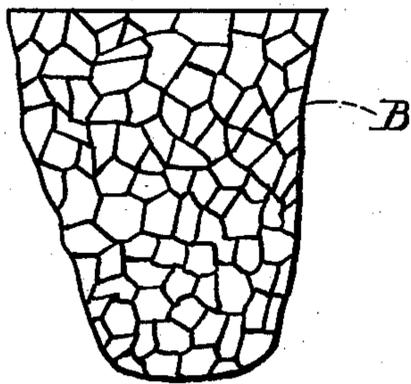


Fig. 2.



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JAR FOR GALVANIC BATTERIES.

SPECIFICATION forming part of Letters Patent No. 387,654, dated August 14, 1888.

Application filed April 28, 1888. Serial No. 272,108. (No model.)

To all whom it may concern:

Be it known that I, BERNARD OVERLACK, of Boston, in the county of Suffolk, State of Massachusetts, have invented a certain new and useful Improvement in Jars for Galvanic Batteries, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of my improved jar, a portion of the body being represented in vertical section; and Fig. 2 an enlarged sectional view of a piece of the lining.

Like letters and figures of reference indicate corresponding parts in the different figures of the drawings.

My invention relates more especially to that class of battery-jars which are acid-proof; and it consists in certain novel features, as hereinafter fully set forth and claimed, the object being to produce a simpler, cheaper, and more effective device of this character than is now in ordinary use.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation.

In the drawings, A represents the body of the jar, and B the lining. The body of the jar may be of any suitable form desired and constructed of any suitable material, being preferably composed of wood, wood pulp, or similar light substances.

The lining B consists of an acid-proof and non-conductive substance, which is compounded or made as follows:

Formula.—White sharp sand, three hundred and fifty parts; resin, sixty parts; slaked lime, forty parts; boiled linseed-oil, four parts; sulphuric acid, one part; suboxide of copper, one part. The sand, resin, lime, and oil are first thoroughly mixed and boiled together in an iron tank and the sulphuric acid and copper then added.

While the composition is hot and in a liquid form a thick coating of it is applied to the interior of the body A. The coating thus applied quickly sets and unites with the material of which said body is formed, the body A thereby rendering the jar completely acid-proof. The coating also enables the jar to be constructed of much lighter material than is usually employed.

As the composition is slightly flexible or semi-elastic, the jar provided therewith, as described, is rendered less liable to be accidentally broken.

If desired, the body A may be dispensed with and the jar composed entirely of the composition described; but I deem its use as a lining preferable.

Having thus explained my invention, what I claim is—

As an improved article of manufacture, a containing-jar for galvanic batteries constructed of an acid-proof composition composed of white sand, resin, slaked lime, boiled linseed-oil, sulphuric acid, and suboxide of copper, in the proportions and compounded substantially as specified.

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