(No Model.)

R. ARNOLD.

ICE PITCHER.

No. 481,544. Patented Aug. 30, 1892.

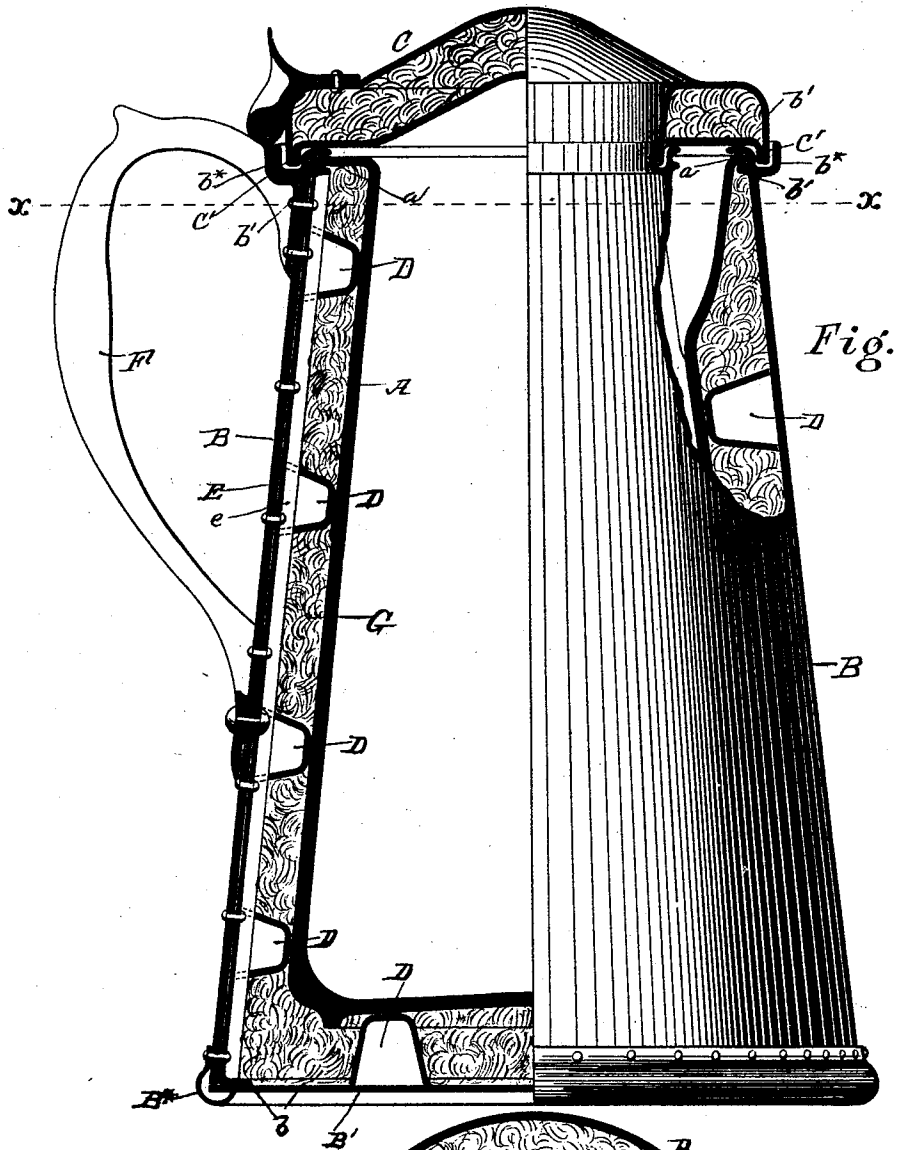

Fig. 1.

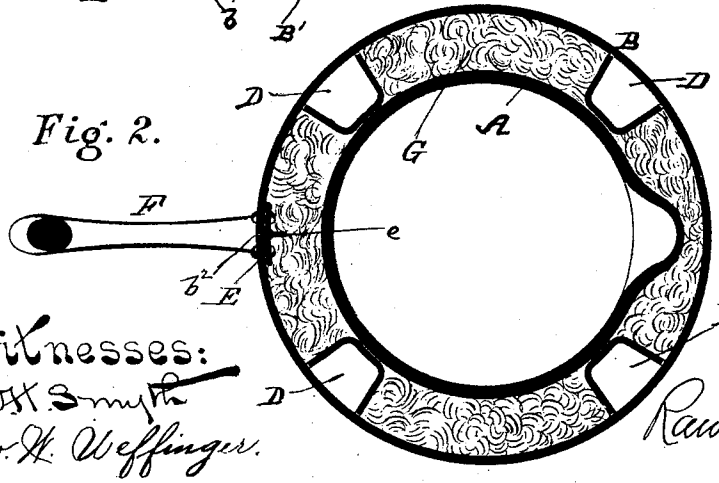

Fig. 2.

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UNITED STATES PATENT OFFICE.

RAWDON ARNOLD, OF SACRAMENTO, CALIFORNIA.

ICE-PITCHER.

SPECIFICATION forming part of Letters Patent No. 481,544, dated August 30, 1892.

Application filed September 4, 1891. Serial No. 404,755. (No model.)

To all whom it may concern:

Be it known that I, RAWDON ARNOLD, a citizen of the United States, residing at Sacramento, in the county of Sacramento and State of California, have invented certain new and useful Improvements in Ice-Pitchers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in ice-pitchers or water-coolers, and has for its object the provision of a double-walled body or vessel provided with a packing of non-conducting material between the two shells or cases.

My invention consists in the provision of an inner case or shell of porcelain or metal and an outer shell or case of papier-maché, which two shells are united at the top by suitable joint and separated and braced throughout the body and bottom of the pitcher by projections or lugs of suitable non-conducting material, and the space between the two shells or cases packed with mineral wool.

The invention will be understood from the following detailed description, and will be pointed out in the claims.

The accompanying drawings illustrate my invention.

Figure 1 is an elevation of an ice-pitcher, partly in section, coustructed according to my invention. Fig. 2 is a section of Fig. 1 on the line x x.

Similar letters of reference indicate corresponding parts in all the figures where they occur.

A is the interior case or shell, formed of metal, porcelain, or other non-absorbent material. At the top it is finished with a horizontal flange a.

B is the outer shell or case, which is made of papier-maché or analogous material. This outer shell is finished with a bottom flange b, which is turned inwardly and rests upon the bottom plate B′, to which it is secured in any suitable manner. A trough-cleat B*, riveted or otherwise secured to the shell B, rests under and clamps the bottom plate with its lower edge, thus serving to hold it in position and also affording a rest or base on which the pitcher is supported. At the top the shell B is provided with a horizontal inwardly-projecting double flange b', projecting inwardly between whose parts the horizontal flange a of the inner shell A is received and held, thereby serving to sustain the inner shell at this point. The exterior of the outer shell B is provided around the top with a trough b^*, which receives the lip or edge c' of the lid or cover C.

Between the two shells projections or lugs D are provided, which separate the shells and stiffen and brace the two shells. These lugs are formed of some suitable material which is a non-conductor of heat—such as papier-maché, wood, hard rubber, &c.,—so that the coldness from the interior vessel cannot be conveyed to the outer one. The space between the two shells is filled up with mineral wool G, which also preserves the intense coldness in the interior vessel. The exterior shell B is preferably made with a vertical joint b^2, which is located on a line with the handle, and the parts on each side thereof are united by a lap E, riveted to the two sides of the outer shell where they meet on the joint. For strength and stiffness this lap may be provided with a rib or flange e. The handle F, as well as the hinge-piece for the lid, (which may be a part of the handle,) are riveted to the pitcher on this lap. The lap may be made of metal to prevent tearing when the pitcher is lifted by the handle. The cover or lid is also double and has its interior space stuffed with mineral wool. It also may have the flanges or lugs, if desired.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The combination, with an inner shell of porcelain or analogous material and an outer shell of papier-maché, to which the inner shell is flanged at the top, of a continuous space between said shells at sides and bottom, non-conducting projections or lugs on the outer shell, extending to the inner shell across the space at bottom and sides, and a packing of mineral wool filling the continuous space between the shells, as set forth.

2. The combination of an interior shell or case A, having an outwardly-projecting horizontal flange *a* at the top, with an outer shell B, having an inwardly-projecting horizontal double flange at the top, between the parts of which the flange *a* is held, and provided with a trough *b** around its top, and a lid or cover hinged to the outward shell having a downward-projecting lip or edge C′, fitting into the trough *b**, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

RAWDON ARNOLD.

Witnesses:

J. M. MARTIN,

G. G. BLYMER.