

J. D. & J. H. DALE.
Metal-Lined Ice-Pitchers.

No. 150,001.

Patented April 21, 1874.

Fig. 1.

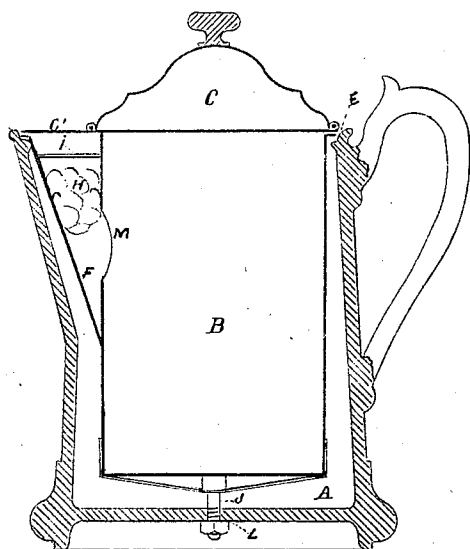


Fig. 2.

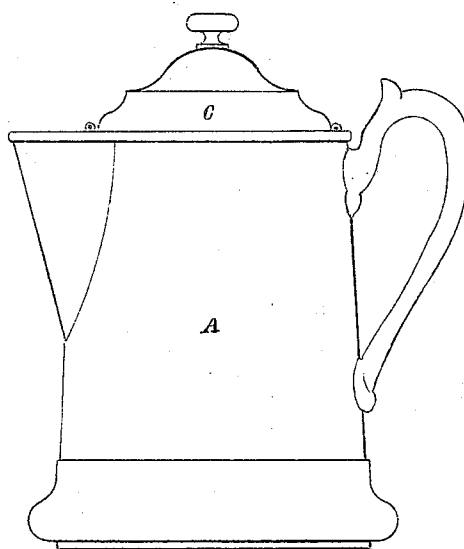


Fig. 3.

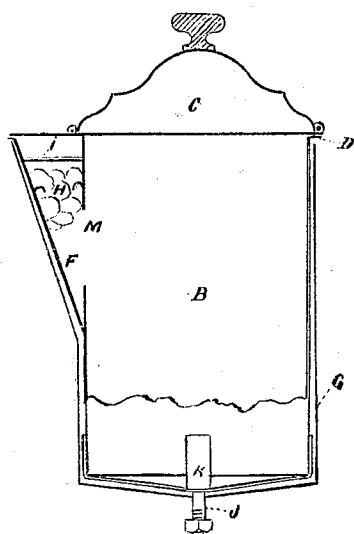


Fig. 4.

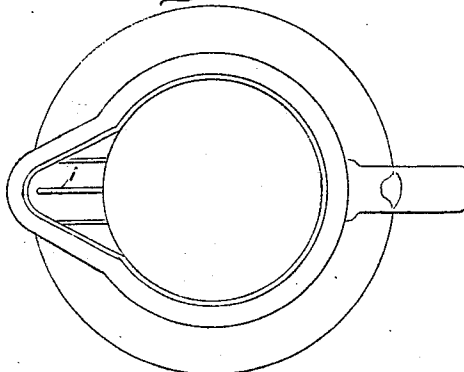
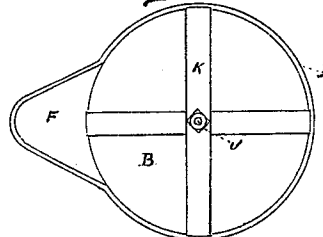


Fig. 5.



WITNESSES:

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JOHN D. DALE, OF ELMIRA, NEW YORK, AND JOHN H. DALE, OF WILMINGTON, DELAWARE.

IMPROVEMENT IN METAL-LINED ICE-PITCHERS.

Specification forming part of Letters Patent No. **150,001**, dated April 21, 1874; application filed September 1, 1873.

To all whom it may concern:

Be it known that we, JOHN D. DALE, of Elmira, in the county of Chemung and State of New York, and JOHN H. DALE, of Wilmington, in the county of New Castle and State of Delaware, have invented certain Improvements in Ice-Pitchers, of which the following is a specification:

This invention consists of porcelain or other earthenware outside a metal lining, the lining being supported by straps at the bottom; the object being to have the benefit of the clean porcelain outside, which is a good non-conductor, an air-space between, and a metal lining, which will not break, and to prevent the breaking of the porcelain and joint between the metal and the porcelain.

Figure 1 is a vertical longitudinal section. Fig. 2 is an external view. Fig. 3 is a section of inside pitcher or case, showing the covering. Fig. 4 is a plan of pitcher. Fig. 5 is an inverted view of inside pitcher or case, showing the mode of fastening the same.

A, Figs. 1 and 2, is a porcelain or earthenware pitcher, with a groove, E, around the inside of the top, and a hole, L, through the bottom, for a bolt to pass through. With this exception, it is similar in appearance to the ordinary pitcher. B, Figs. 1, 3, and 5, is the inside pitcher or case, made smaller than A, in order that it may be placed inside of the same. It is without a handle, and has a flange, D, extending outward and around the top of body and around the spout, for the purpose of fitting in cemented groove E of pitcher A. It also has a spout, F, with either plain or hinged covers or lids C C'. The outside of pitcher or case B and inside of cover or lid C, Figs. 1, 2, 3, and 4, are covered with wool G, or its equivalent, for the purpose of preserving the ice for

a long time, which is a gain, by actual experiment, of forty per cent. We also arrange a spout with opening M for a sponge or filtering material, H, held in place by means of wires or hooks I, or otherwise. (Shown at Figs. 1, 3, and 4.) There are straps K, Fig. 5, crossing the bottom of pitcher or case B at right angles, and made secure at the outside diameter of the same, so that nothing placed inside of cylinder B will affect them. Where these straps K intersect, we attach a bolt, J, that passes through the hole L in outside pitcher A. This bolt enables us to fasten the wool, and secure pitcher B, with the aid of cement in groove E of pitcher A, to a firm and rigid position; the whole making a cheap ice-pitcher, that will come within the reach of all.

We make no claim to the air-chamber or pouring-spout in ice-pitcher, for we are aware that they are not new; but

What we do claim as our invention is—

1. The construction and arrangement of the inside case B with reference to its covering with wool or wool fabric, and its strap K and bolt J, as herein set forth.
2. The combination of the strap K, bolt J, and the inner case B, whereby to avoid breaking the cement joint at top of pitcher by concussion due to dropping ice into it, substantially as herein described.
3. The double-wall ice-pitcher as an article of manufacture, its outside portion being made of porcelain or earthenware and an inside metal lining, as herein set forth.

JOHN D. DALE.
JOHN H. DALE.

Witnesses:

JNO. HENRY PUHL,
H. S. TRUITT.