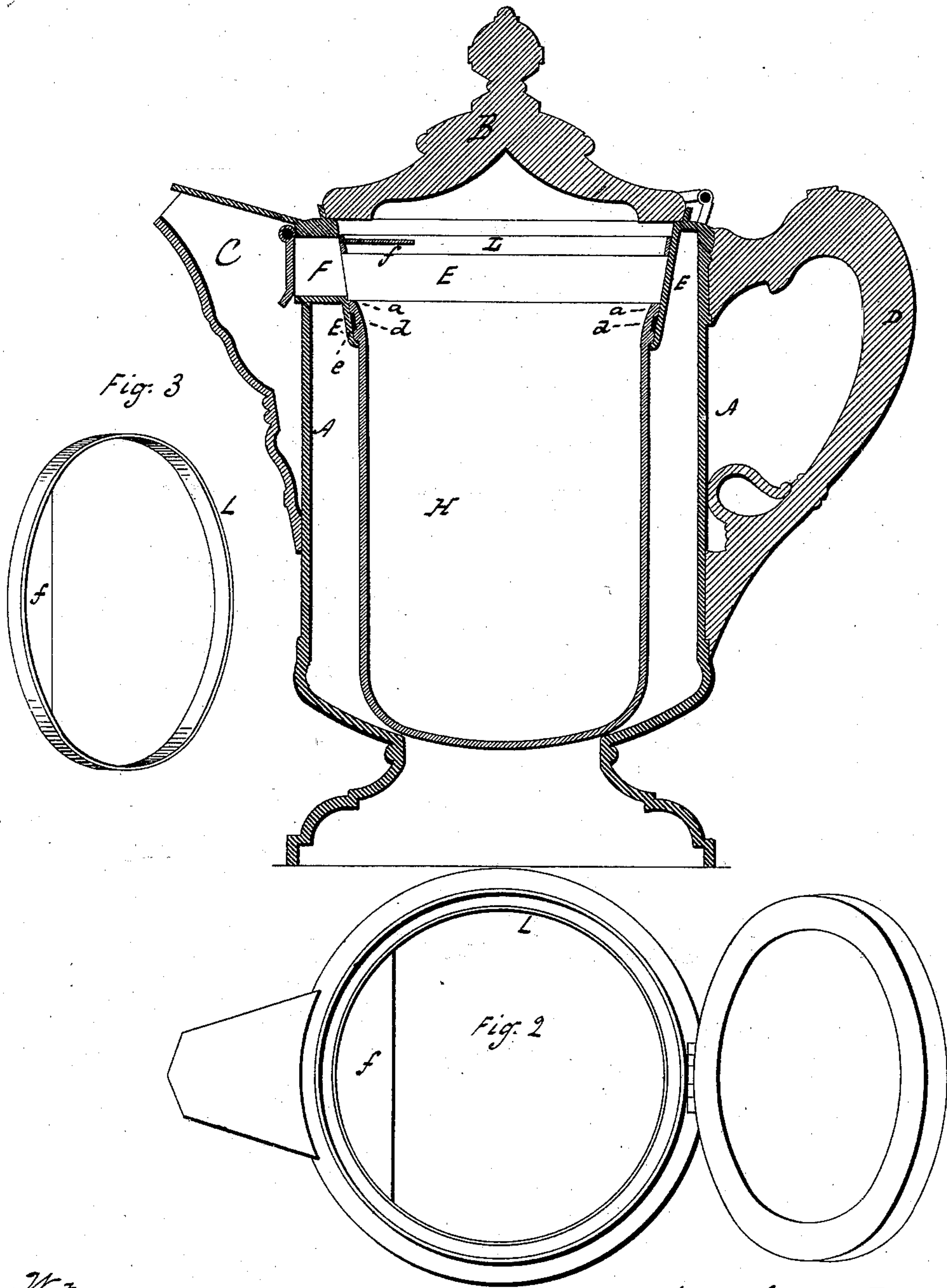


J. B. BEACH.
Ice-Pitcher.

No. 218,916.

Patented Aug. 26, 1879
Fig. 1



Witnesses,
J. V. Chumney
Jos. C. Earle

Joseph B. Beach
By atty. *J. C. Earle* Inventor

UNITED STATES PATENT OFFICE.

JOSEPH B. BEACH, OF WEST MERIDEN, CONNECTICUT.

IMPROVEMENT IN ICE-PITCHERS.

Specification forming part of Letters Patent No. **218,916**, dated August 26, 1879; application filed July 19, 1879.

To all whom it may concern:

Be it known that I, JOSEPH B. BEACH, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Ice-Pitchers; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a vertical central section; Fig. 2, a top view with cover open; Fig. 3, the stop, detached.

This invention relates to an improvement in that class of pitchers known to the trade as "double-wall"—that is to say, an outer casing and inner receiver, arranged relatively to each other so as to leave a space between them.

The object of the invention is to enable the use of glass, porcelain, or similar material for the inner vessel, and so that it may be easily removed; and the invention consists in the construction as hereinafter described, and particularly recited in the claims.

A represents the outer wall or body of the pitcher, and may be of any of the usual and known forms, and provided with a cover, B, spout C, and handle D, in the usual manner.

On the inside and around the neck of the pitcher is a downwardly-projecting or funnel-shaped flange, E, and extending a little distance below the opening F to the spout. By "funnel shape" I mean that the internal diameter is contracted toward the lower edge of the flange.

H is the inner vessel, which may be made of any suitable material, but, by preference, glass, china, porcelain, or other similar material.

The outer diameter of the inner vessel, H, corresponds to, or so as to pass freely through, the opening at the bottom of the flange E; but at the upper end it expands to a diameter larger than the smallest diameter of the flange E, as at *a*, Fig. 1; and around this expanded portion an annular groove, *d*, is made to receive a packing, *e*, which may be

rubber or any suitable material, placed therein, but should be something of an elastic character.

The inner vessel, with the packing placed in the groove, is placed within the flange and pressed down until a perfectly tight joint is produced between the neck of the inner vessel and the flange E, as shown in Fig. 1. This produces sufficient friction to retain the inner vessel in its proper position under ordinary usage, but yet allows it to be easily removed when occasion requires by simply placing the hand against the inside of the inner vessel and lifting; or the bottom of the outer vessel may be left open, as shown, so that pressure may be applied to the bottom of the inner vessel to remove it.

A stop is necessary above the spout-opening to prevent the water from flowing out around the cover when the pitcher is tilted, and this stop must be removable, so as to allow the introduction or removal of the inner vessel. To this end I construct a ring, L, to closely fit the inside of the flange E at or near the upper side of the spout-opening F, and within this ring I form a flange, *f*, extending inward, as seen in the drawings, and I arrange the ring so that this stop will come directly above the opening F, as seen in Figs. 1 and 2, and press the ring into its place within the inclined flange E, and so that it will hold by the friction produced between the two, and from which position it may be removed by applying a requisite force thereto. It may, however, be otherwise secured.

I do not wish to be understood as broadly claiming a double-wall pitcher with the inner vessel removable, as such, I am aware, is not new; but

What I do claim is—

1. The outer wall, A, provided with spout, handle, and cover, and constructed with the inner funnel-shaped flange, E, combined with the inner vessel, H, expanded at its upper end, and constructed with an annular groove around the said expanded portion, and a packing, *e*, in said groove to take a bearing on the inner surface of the said flange E, substantially as described.

2. The outer wall, A, provided with spout,

handle, and cover, and constructed with the inner funnel-shaped flange, E, combined with the inner vessel, H, expanded at its upper end, and constructed with an annular groove around the said expanded portion, and a packing, e, in said groove to take a bearing on the inner surface of the said flange E,

and with the ring L, provided with a flange, f, substantially as and for the purpose described.

JOSEPH B. BEACH.

Witnesses:

WM. B. WOOSTER,
WM. C. ATWATER.