

(No Model.)

W. J. MILLER & H. BERRY.

Porcelain Lined Pitcher.

No. 227,565.

Patented May 11, 1880.

Fig. 1.

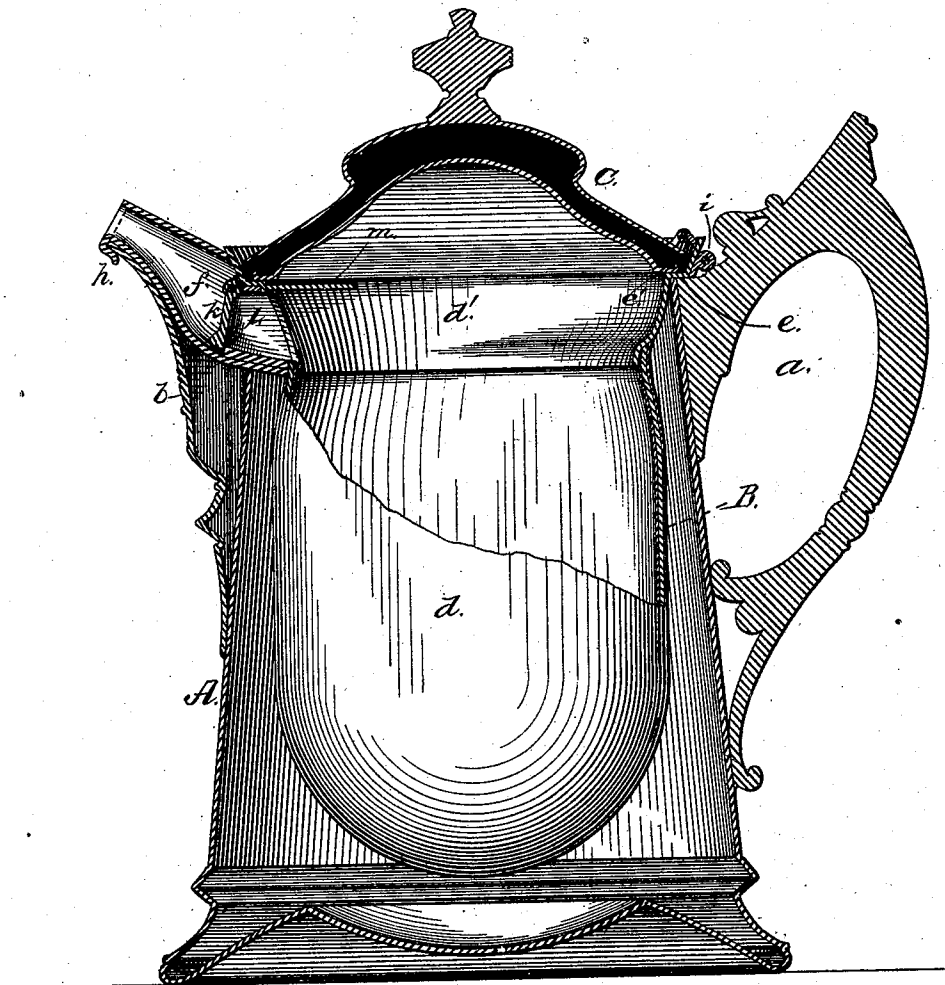


Fig. 2.

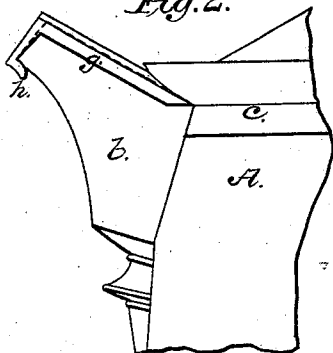
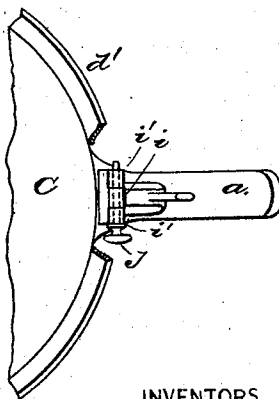


Fig. 3.



WITNESSES

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WATSON J. MILLER AND HENRY BERRY, OF HUNTINGTON, CONNECTICUT.

PORCELAIN-LINED PITCHER.

SPECIFICATION forming part of Letters Patent No. 227,565, dated May 11, 1880.

Application filed March 25, 1880. (No model.)

To all whom it may concern:

Be it known that we, WATSON J. MILLER and HENRY BERRY, of Huntington, in the county of Fairfield and State of Connecticut, have invented a new and valuable Improvement in Porcelain-Lined Pitchers; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical central section of my improved ice-pitcher, and Figs. 2 and 3 are details.

This invention has relation to improvements in ice-pitchers; and the nature of the invention consists in a pitcher constructed substantially as hereinafter shown and described.

In the annexed drawings, the letter A designates the outer wall of the pitcher, constructed of any of the usual metals, such as block-tin, nickel-plated iron, and the like, and provided with a handle, *a*, and opposite thereto a spout, *b*. The body of the pitcher terminates in a straight edge, *c*, and may be ornamented in any desired way.

B indicates the water-receptacle, composed of a cylindrical metallic pocket, *d*, and a conical flange, *d'*, flaring outward, and fitting wedge-like in the open upper end of the outer wall, A. This flange is provided with an annular shoulder, *e*, that fits snugly on the edge *c* of the body A, and sustains the weight of the pocket and its contents. The pocket *d* is round-ended, and is provided inside with a porcelain lining and outside with an enamel coating. It is soldered to the lower edge of the flange *d'*, and is readily separable therefrom should the inside lining chip or crack off and expose its metallic surface. This exposure would speedily create rust, and in consequence a very unsightly appearance of the inside of the pocket would naturally result, rendering the pitcher unfit for use.

By making the pocket separable from the flange a perfect duplicate may be substituted for the former at a small cost, and the usefulness and slightly appearance of the pitcher restored.

The shoulder *e* forms inside of the flange *d'* a ledge, *e'*, upon which rests a lid or cover, C,

hinged in any suitable manner to the said flange, as shown in Fig. 1.

Projecting outward from the flange *d'*, below its shoulder *e*, is a spout, *f*, that is received in the spout *b* of the outer wall of the pitcher, and is provided upon its edges with a short lip, *g*, between which and the body of the spout *f* the edges of spout *b* are received, and by means of which they are concealed. The lip *g* is provided with a projecting finger, *h*, that engages under the end of the spout *b*, and thus secures the water-receptacle on one side to the wall or body A of the pitcher. The other side is secured thereto by an eye, *i*, on flange *d'*, that is received between two eyes, *i'*, on the part A, and secured thereto by a pin, *j*, passing through the said eyes. A spring or other catch may, however, be used for this purpose.

Inside of spout *f*, which is tubular or closed in, except at its two ends, is a gravitating valve, *k*, opening outward to permit the water to flow out, but fitting snugly against its seat *l* when the pitcher is not tilted. As this tilting sometimes occurs from the unevenness of the stand upon which the pitcher sits, the seat is considerably inclined from the vertical plane, so that the necessary air-tight relation of the valve and seat will be preserved.

The flange *d'* should be made of some non-oxidizable metal and be neither lined with porcelain nor enameled nor marbled outside. If a metal capable of rusting be used, it should be silver or nickel plated.

On a level, or nearly so, with the ledge, above the spout, is a guard, *m*, that prevents water from overflowing should the pitcher be unduly or heedlessly tilted in pouring out water.

It is well known that ice-pitchers having water-receptacles of china, glass, or other like materials attached to a metal rim have been used before. These materials, however, cannot be soldered to metal, and consequently a rubber packing is always used to prevent leakage of air at their joint. This packing, upon becoming wet or damp, discharges into the receptacle an unpleasant odor, that is transmitted to the water and gives it a nauseous taste, and is hence objectionable. Cements for the same purpose are also objectionable, being liable to become friable, chip off, and drop into the receptacle, thus contaminating its contents.

As shown, the bottom of the inner spout is nearly horizontal and nearly on a level with the lower edge of the valve. Consequently it will not hold any appreciable quantity of stale water when the pitcher is set upright upon its base after being tilted to pour out water. Thus a pleasantly-tasting refreshing drink may be at all times drawn from the pitcher.

10 What we claim as new, and desire to secure by Letters Patent, is—

15 1. The combination, with the vessel A, of the receptacle B, extending down into the same, and consisting of the metallic porcelain-lined pocket *d* and the shouldered flange or mouth *d'*, resting on said vessel and constructed of non-oxidizable or plated metal, the pocket being soldered to said mouth or flange, substantially as specified.

20 2. The combination, with the outside wall, A, having a straight edge, *c*, and a spout open

at top, of the water-receptacle B, having the flaring shouldered flange *d'*, the closed spout *f*, provided with lip *g* and holding-finger *h*, the lid C, and the eye *i*, extending between eyes *i'* on the wall A, and secured thereto by the pin *j*, substantially as specified.

3. The combination, in an ice-pitcher, with the outside wall, A, having the open spout *b*, and opposite thereto the eyes *i'*, of the receptacle B, having the closed spout *f*, resting in spout *b*, and provided with lip *g* and finger *h*, engaging therewith, and eye *i*, substantially as specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

WATSON J. MILLER.
HENRY BERRY.

Witnesses:

CORNELIUS A. BURR,
THOS. S. BIRDSEYE.