

W. C. Wood,

Ice Pitcher.

N^o 84,458.

Patented Nov. 24, 1868.

Fig. 1.

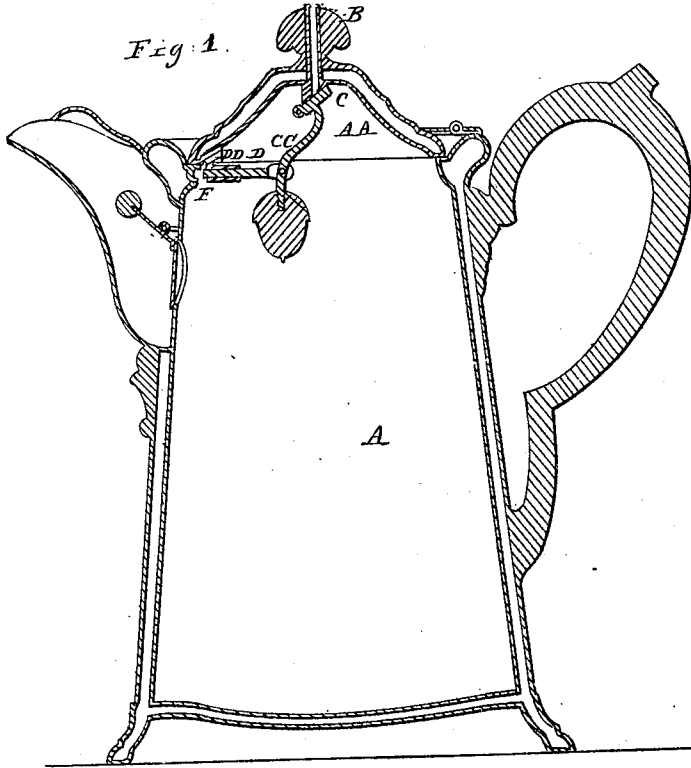
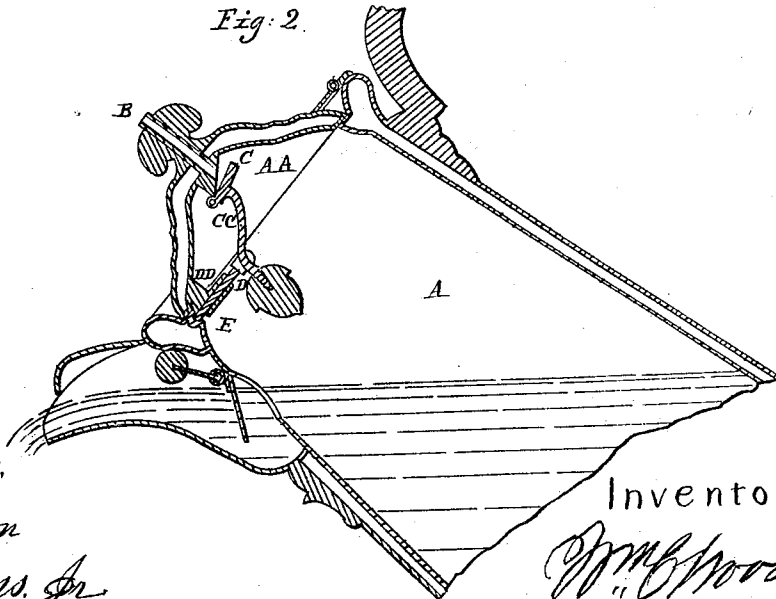


Fig. 2.



Witnesses:

Edmund Masson

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WILLIAM C. WOOD, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 84,458, dated November 24, 1868.

IMPROVEMENT IN THE CONSTRUCTION OF ICE-PITCHERS.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, WILLIAM C. WOOD, of the city and county of Washington, and District of Columbia, have invented a new and useful Improvement in Ice-Pitchers; and I do hereby declare the following to be a true and correct description thereof, reference being had to the accompanying drawings.

In all well-constructed metallic ice-pitchers the cover fits so closely, that during the flow of water from the spout, more or less vacuum is formed within, causing a partial retention of the water. Frequently, in such cases, the person using it is deceived thereby as to the quantity of water within, and tipping the pitcher well forward, discharges the water from the top, the ice having forced open the cover. To obviate any such disagreeable occurrences, my invention is intended, and, in practice, thoroughly accomplishes.

The vacuum is prevented by having an air-valve attached to the cover, which, by operating with a sliding bolt, securely fastens the cover of the pitcher, when held in certain positions, and is, within itself, self-operating.

In the drawings annexed—

Figure 1 represents a section of an ice-pitcher, and shows, in detail, the points of my invention.

A represents a section of the body of an ice-pitcher.

A A represent a section of the cover thereof.

B represents an air-vent drilled through the top of the cover.

C represents a hinged air-valve operating upon the lower portion of the vent B.

C C represent a weighted valve-arm, connected at its upper end with the hinged valve C. At its lower end is attached a weight or bail of metal, which, by its gravity, keeps the valve closed.

D represents a sliding bolt, attached by means of a pin to and working freely on the weighted arm C C.

D D represent a staple, of peculiar form, soldered

upon the under side of the front edge of the cover, upon and within which the bolt D rests, and slides back and forth.

E represents a bolt-hole cut in the inside front edge of the top of the pitcher, into which the outer end of the bolt D will be received when forced forward.

Figure 2 represents the parts, as shown in fig. 1, with the pitcher thrown forward as if discharging water.

The same parts are lettered alike in each.

The operation of the parts is as follows:

When the pitcher is not in use, the vent B is closed by the weighted valve C. The bolt D is drawn back, admitting of the ready raising of the cover. If the pitcher be placed in a position to discharge water from the spout, it will be seen that the weighted arm C C is also thrown forward upon the hinged valve, causing the vent to be opened, and, at the same time, by its action, to throw forward the bolt D into the bolt-slot E, thus securely fastening the cover until the pitcher is again placed in a perpendicular position.

The arrangement of mechanism, as here shown and employed, is obviously susceptible of a variety of changes with a view to economy in manufacture.

I therefore claim, and desire to secure by Letters Patent, as my own invention—

1. A self-operating vent-valve, substantially as shown and described, for the purpose specified.

2. A self-operating bolt, arranged and operating substantially as described, for the purpose specified.

3. The combination of a self-operating vent-valve, and sliding bolt or latch, arranged and operating substantially as described, for the purposes specified.

WM. C. WOOD.

Witnesses:

EDMUND MASSON,
R. L. ROSS, Jr.