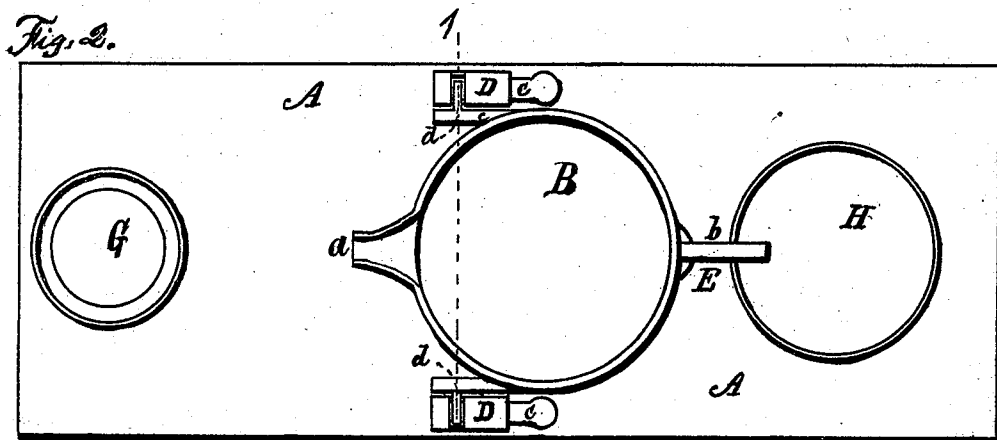
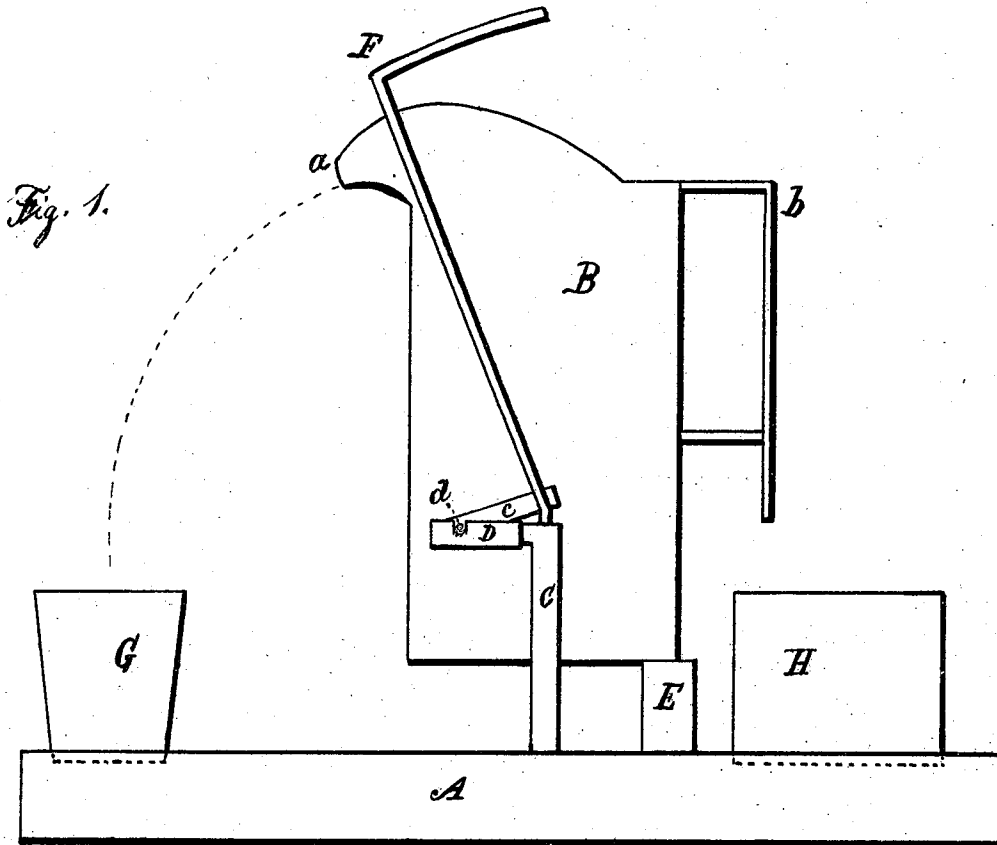


L. B. WOOLFOLK.
PITCHER.

No. 173,098.

Patented Feb. 1, 1876.



WITNESSES
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LUCIEN B. WOOLFOLK, OF LEXINGTON, KENTUCKY.

IMPROVEMENT IN PITCHERS.

Specification forming part of Letters Patent No. **173,098**, dated February 1, 1876; application filed July 12, 1875.

To all whom it may concern:

Be it known that I, LUCIEN B. WOOLFOLK, of Lexington, in the county of Fayette and State of Kentucky, have invented a new and useful Improvement in Tilting Pitchers and Coffee-Pots, and other vessels containing liquids, of which the following is a specification:

My invention relates to that class in which the pitcher or vessel containing liquid is supported upon pivots resting in a frame; and consists in arranging the pivots equidistant from the spout of the pitcher and the cup or goblet into which the liquid is to be poured, so that the liquid shall at all times pour from the spout into the cup, whatever the quantity in the pitcher.

Figure 1 is a side elevation, representing my invention as applied to a water-pitcher. Fig. 2 is a plan of the same with cover removed. Fig. 3 is a vertical section taken in the line 1 2 of Fig. 2, upon an enlarged scale.

A represents the base, upon which the pitcher is supported. B is the pitcher, having the spout *a*, the handle *b*, and the side arms *c*, to which are attached the pivots *d d*, upon which the pitcher is tilted. C is the upright support, having a projection extending forward, upon which the pivots *d d* rest. D is a thimble-shaped clutch, fitting upon the forward projection of the upright C, for the purpose of loosening or fastening the pivots *d d* at will.

The clutch D is more perfectly shown in Fig. 3, where it is drawn upon a larger scale.

Upon the clutch D is a transverse slot, which fits upon the pivot *d*. When the clutch is turned so as to bring the slot upward, the pivot *d* is freed, and the pitcher may be removed from the base A; but when the clutch is turned so as to bring one end of the slot in contact with the top of the pivot *d* it is made fast. E is an upright rest, upon which the back part of the pitcher is supported. F is the handle, by which the apparatus is conveyed from place to place. The handle F is attached to the upright C in the center of gravity of the pitcher B. It then is bent either forward or back, so as to be out of the way of the hand in pouring, and at the top it bends back again to a point over the center

of gravity. G is the cup into which the water is poured. It is fitted into a recess prepared for it in the base A. The base A has a recess in its front edge, into which a cup, G, and saucer G' fit when resting on the table in front of the base A, so as always to bring the cup G in the same distance from the pivot *d*. H is a cup for waste-water. The dotted lines show the arc described by the spout as the vessel is turned down upon the pivot in pouring.

The essential feature in my invention is, arranging the pivots *d d* at the same distance from the spout *a* and the cup G. The pivots *d* are, by this arrangement, placed below the center of gravity of the pitcher, so that, unless supported in some manner, the pitcher will not maintain the perpendicular. The pivots might be placed in the middle of the pitcher; but then the pitcher would have to be supported in an upright position by a spring, and this arrangement would be attended by another difficulty: the spout of the pitcher would be so near the cup G that, when full, the water would tend to pour beyond the cup. I therefore prefer to place the pivots *d d* forward of the perpendicular center of the pitcher. I secure a double advantage by this arrangement, first, the pitcher is removed farther from the cup G, so that when full it will not pour beyond the cup; and, second, the pivots are placed at the side of the vessel, below the center of the pitcher and forward of the perpendicular center of gravity, so that the pitcher, when tilted, always tends to fall back to the perpendicular, in which position it is kept by the hinder part resting upon the rest E.

In Figs. 1 and 2 the pivots *d d* are back of the front line of the pitcher. The distance of the pivots *d d* from the perpendicular center of the pitcher will be determined by the height and shape of the vessel and the shape of the spout *a*. They need to be placed at such a distance from the perpendicular center of the pitcher that when the pitcher is full the water will fall into the cup. If placed too near the perpendicular central line, the pitcher will be too near the cup, and when full will pour beyond it. On the other hand, if placed too far in front of the perpendicular central line,

the pitcher will be too far from the cup, and will, when full, not pour far enough to fall into the cup.

In Figs. 1 and 2 the pivots *d* are placed at some distance from the bottom of the pitcher.

The spout *a* may be of any required shape. The handle *F* may be either permanently attached to the upright *C*, or may be hinged upon it, so as to lie down when out of use.

The upright support *C* is placed in the same perpendicular line as the center of the pitcher *B*, in order that the handle *F*, attached to *C*, may be in the center of gravity of the pitcher. Consequently, the upright *C* must be carried forward either with a curve or a right angle, in order to provide a rest for the pivots *d d* at a point forward of the center of the pitcher.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the base *A*, upright support *C*, pitcher *B*, having spout *a*, side arms *c*, pivots *d*, upright rest *E*, thimble-clutch *D*, and handle *F*, substantially as described.

2. The combination, with the thimble-clutch *D*, upright *C*, and arms *c*, of the pivots *d*, constructed and arranged substantially as set forth.

3. The combination, with the support *C* and pivots *d*, of the thimble-clutch *D*, substantially as described.

LUCIEN B. WOOLFOLK.

Witnesses:

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