G. M. FREEMAN.

COMBINED PUMP AND PITCHER.

APPLICATION FILED DEC. 4, 1911.

1,036,822.

Patented Aug. 27, 1912.

2 SHEETS—SHEET 1.

Fig. 1.

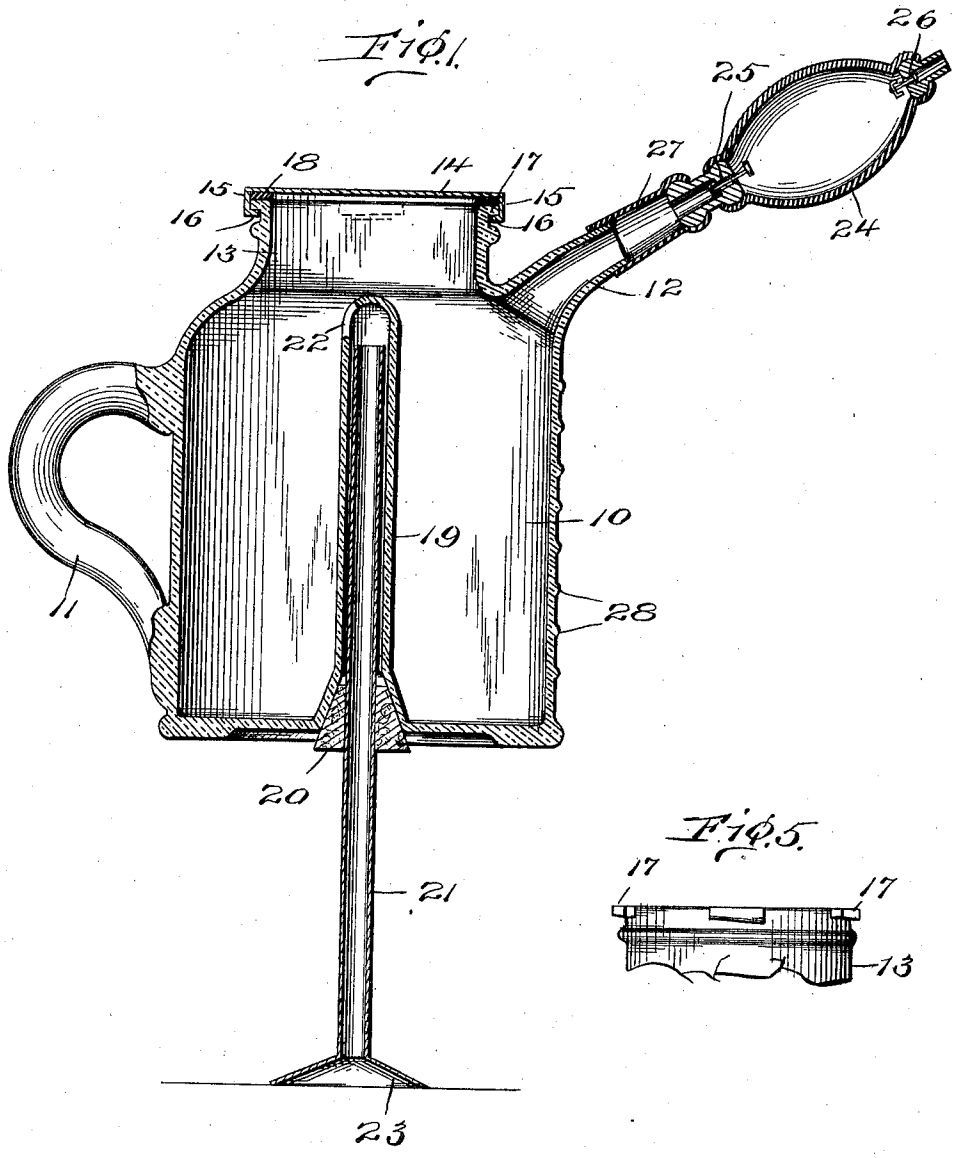

Fig. 5.

Witnesses

J. M. Fowler Jr.

L. L. Morriel

Inventor

George M. Freeman

By Mason Fenwick & Lawrence,

Attorneys

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2 SHEETS—SHEET 2.

Fig. 2.

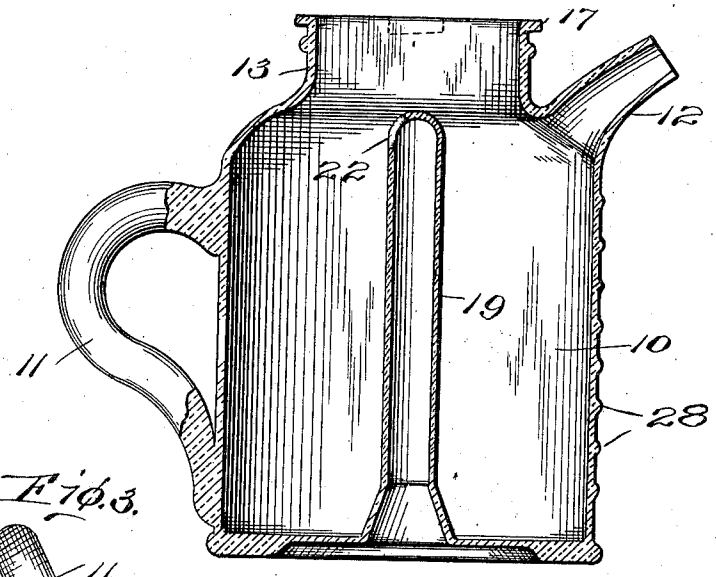


Fig. 3.

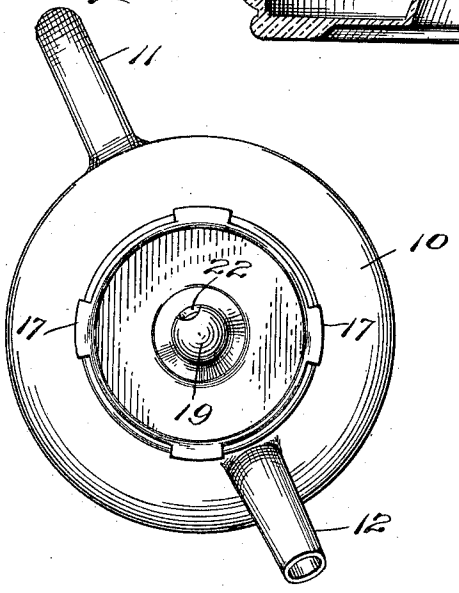
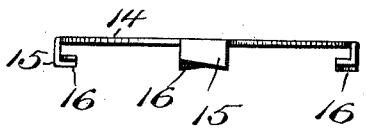


Fig. 4.



Witnesses

J. M. Fowler Jr.

L. Morrill

Inventor

George M. Freeman

By Mason Fenwick & Lawrence,

Attorneys

UNITED STATES PATENT OFFICE.

GEORGE M. FREEMAN, OF SEATTLE, WASHINGTON.

COMBINED PUMP AND PITCHER.

1,036,822. Specification of Letters Patent. Patented Aug. 27, 1912.

Application filed December 4, 1911. Serial No. 663,828.

To all whom it may concern:

Be it known that I, GEORGE M. FREEMAN, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Combined Pumps and Pitchers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to combined cream pumps and pitchers and has for an object to provide a receptacle serving normally as a pitcher of substantially the usual and ordinary shape but provided with means to serve for extracting cream from the milk directly into such receptacle.

With these and other objects in view the invention comprises certain novel constructions, combinations and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings:—Figure 1 is a central vertical sectional view of the device shown with the parts assembled to act as a pump. Fig. 2 is a central vertical sectional view of the receptacle with the pump elements removed and in condition to serve as a pitcher. Fig. 3 is a top plan view of the pitcher with the pump elements removed. Fig. 4 is a view in side elevation of the cover member. Fig. 5 is a view in side elevation of the top of the neck of the pitcher.

Like characters of reference indicate corresponding parts throughout the several views.

The present invention comprises a receptacle 10 having preferably at one side a handle 11 and at the opposite side a spout 12, which arrangement is substantially like the usual and ordinary pitcher the spout being a closed spout and preferably tapered, the lines expanding from the outer end. The top of the pitcher is drawn in to form a neck 13 which may be hermetically sealed in any approved manner, a cover of substantially the usual and ordinary form of closure being shown at 14, the form here illustrated being provided with downwardly turned lugs 15 and inturned lips 16 proportioned to first pass between lugs 17 cast or otherwise produced at or adjacent the top of the neck 13 and then to engage under the inclined lower faces of such lugs to draw the cap or cover 14 tightly upon a resilient washer 18.

Erected from the bottom of the receptacle is a hollow column 19 open at the bottom, proportioned to receive a tapered stopper 20 carried upon a tube 21 which said tube preferably extends at its upper end adjacent an opening 22 in the top of the column 19 and at its lower end is provided with a bell-shaped extremity 23.

Upon the spout 12 any approved form of air exhausting mechanism may be employed, here shown as the usual and ordinary elastic bulb 24 having the valves 25 and 26 and with a flexible elastic nipple connection 27 carried by such bulb adapted to slip over the end of the spout 12 and by reason of its tapered formation to make a tight connection upon such spout.

With the parts associated as shown at Fig. 1 the tube 21 is inserted into the milk receptacle with the gathering bulb 23 engaging under the surface of the cream and the bulb then manipulated to exhaust the air from the receptacle 10 which will cause the cream to flow upwardly through the tube 21 and through the opening 22 into such receptacle. Though not essential to the present invention the receptacle is preferably provided with graduations at one side to indicate the quantity of cream delivered into such receptacle. When the required amount has been obtained in the receptacle or all of the cream has been removed from the milk the tube 21 with the stopper 20 is removed from the receptacle and the cover and exhausting mechanism also removed, whereupon the pitcher as disclosed at Fig. 2 is ready for use as a pitcher without transferring the cream to any receptacle or applying any other mechanism to such pitcher.

I claim:—

1. In a combined cream pump and pitcher, a receptacle having a hollow column extending upwardly therein with an opening adjacent the top, a tube extension adapted to be connected to the bottom of the column, a spout formed upon the receptacle, an air exhausting mechanism adapted to be applied to the spout and a closure adapted to hermetically seal the receptacle.

2. In a combined cream pump and pitcher, a receptacle having an open top, a spout, and an opening in the bottom, a hollow column communicating with and closing the

opening in the bottom and provided with an opening adjacent its top, an extension tube adapted to be connected with the bottom opening, an air exhausting mechanism adapted to be connected with the spout, and a closure adapted to hermetically seal the open top.

3. In a combined cream pump and pitcher, a receptacle having an open top, a hollow column formed in the receptacle extending adjacent the top of such receptacle, said column being open to the exterior and also having an opening adjacent the top, a tube adapted to be inserted into the exterior opening of the column, a cover member adapted to hermetically seal the open top, a spout adjacent the top of the receptacle, and an air exhausting mechanism adapted to be connected with the spout.

4. In a combined cream pump and pitcher, a receptacle, a hollow column erected within the receptacle and extending adjacent the top, said column having an opening to the exterior at the bottom of the receptacle and another opening adjacent the top of the column, a tube adapted to be inserted into the hollow column and extend upwardly therein adjacent the upper opening and with a stopper carried by such tube adapted to close the exterior opening of the column, a closure adapted to hermetically seal the top of the receptacle, a spout formed upon the receptacle and an air exhausting mechanism adapted to be removably applied to the spout.

5. In a combined cream pump and pitcher, a receptacle having an open top and a spout formed upon one side adjacent the top, a column erected within the receptacle, said column being open at the bottom to the exterior through the bottom of the receptacle and having an opening at the top upon the side opposite the spout, an extension tube adapted to be inserted into and to close the lower exterior opening of the column, means to close the open top of the receptacle and an air exhausting mechanism adapted to be removably applied to the spout.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE M. FREEMAN.

Witnesses:

G. WARD KEMP,

C. C. PHILLIPS.