No. 619,099. Patented Feb. 7, 1899.

H. D. THATCHER.

PAPER PAIL.

(Application filed Aug. 4, 1898.)

(No Model.)

Fig. 1.

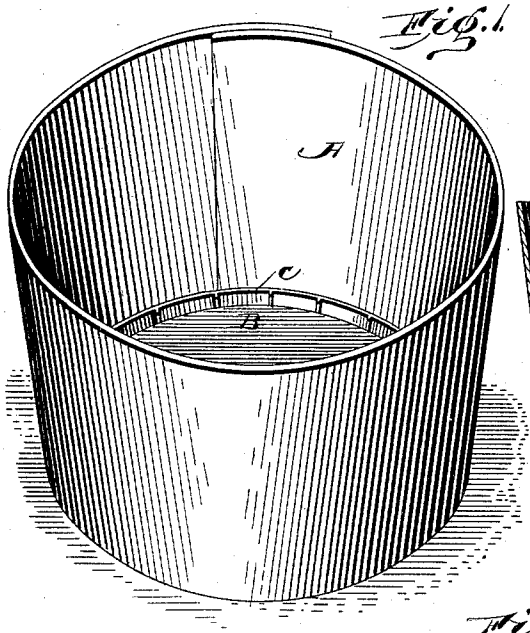


Fig. 2.

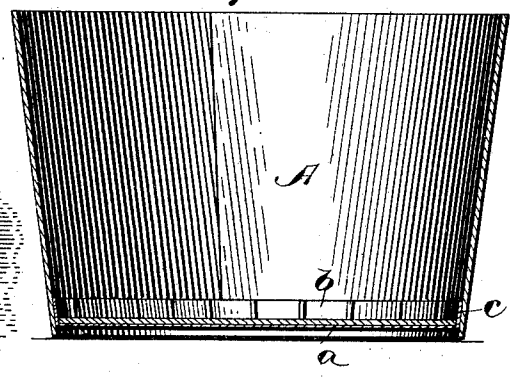


Fig. 3.

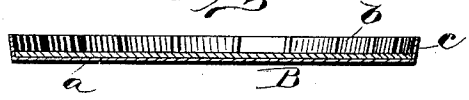
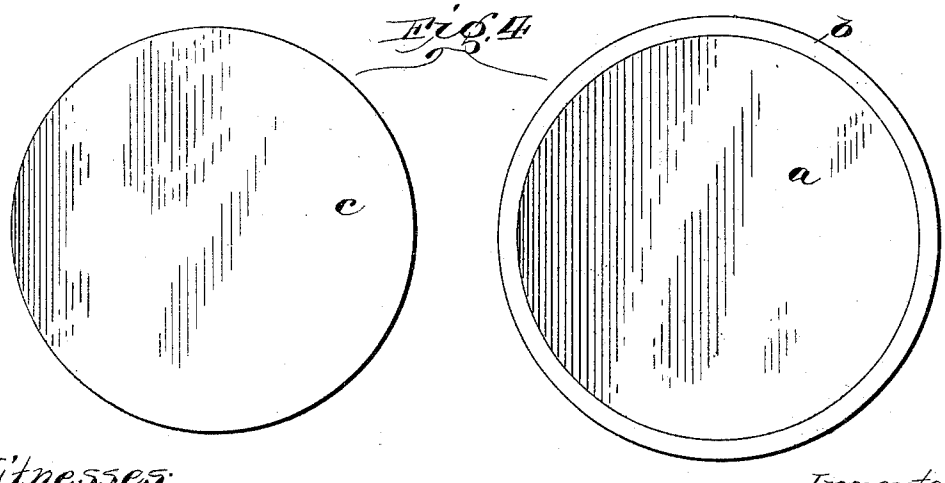


Fig. 4.



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UNITED STATES PATENT OFFICE.

HERVEY DEXTER THATCHER, OF POTSDAM, NEW YORK.

PAPER PAIL.

SPECIFICATION forming part of Letters Patent No. 619,099, dated February 7, 1899.

Application filed August 4, 1898. Serial No. 687,737. (No model.)

To all whom it may concern:

Be it known that I, HERVEY DEXTER THATCHER, a citizen of the United States, residing at Potsdam, in the county of St. Lawrence, State of New York, have invented certain new and useful Improvements in Paper Pails, of which the following is a description, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in pails, buckets, or other receptacles, preferably of paper or pasteboard, for holding butter, milk, lard, oysters, &c.

I have previously obtained a patent, No. 553,794, dated January 28, 1896, for improvements in pails of this general character, in which the pail is of the shape of the frustum of a cone, the bottom being formed of a circular disk, the edge of which is dipped in paraffin or similar material and then crowded into the receptacle until within a short distance of the lower extremity thereof, being held in place by the wedging action of the cone and the adhesive character of the wax or other adhesive composition used.

I have experienced some difficulty in the manufacture of pails as above described, by reason of the fact that the bottom disks are liable by jarring or the application of force in the bottom or sides to become unseated.

The object of the present invention is to overcome this objection by providing the receptacle with a bottom of peculiar construction which shall hold firmly to its seat and be not liable to displacement.

My invention consists in the matters hereinafter described, and referred to in the appended claim.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of the receptacle; Fig. 2, a vertical section. Fig. 3 is a detail view of the bottom of the receptacle, and Fig. 4 represents the two blanks forming the bottom.

In the drawings, A represents the vessel or receptacle as a whole, formed, preferably, of stiff pasteboard or heavy paper. It is slightly cone-shaped in form, that, preferably, the true frustum of a cone, and is made upon a form by cutting out a blank of pasteboard of proper outline, lapping the edges, and securing them together by suitable cement or adhesive composition.

B represents the double bottom for the vessel, being composed of the lower disk *a*, which is three-eighths of an inch (more or less) larger around than the bottom of the vessel, and by being placed in a die and stamped has a crimped flange *b* turned up on its periphery. Another disk *c* of preferably heavier material is then pasted or cemented to the lower disk, its outer periphery registering with the base of the flange *b*. Paste or cement is then applied to the inner lower part of the receptacle, and with a conical cylinder the double bottom B is passed within the receptacle to a point near the bottom, the inner heavier disk *c* forcing the flange *b* tightly against the parted walls of the receptacle, thereby holding the bottom tightly and affording a large conical or wedging adhesive surface between the flange and the inside wall of the receptacle. The interior of the receptacle may then in any suitable manner be rendered water or grease proof and the upper disk or cover applied in the usual way.

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

As an improved article of manufacture a vessel or pail consisting of a tapering body, provided with a bottom B, comprising a disk *a*, having an upturned annular flange *b* and a disk *c* cemented upon the upper side of the flanged disk with its periphery close to and bracing said annular flange at the inner side of its base; the bottom thus formed being forced down into the body, with its flange snugly fitting the inner wall thereof; substantially as set forth.

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

HERVEY DEXTER THATCHER.

Witnesses:

JAMES IRVING REYNOLDS,

EDSON PARKILL TAYLOR.