

(No Model.)

C. E. BERTELS.
DINNER PAIL.

No. 543,327.

Patented July 23, 1895.

Fig. 1.

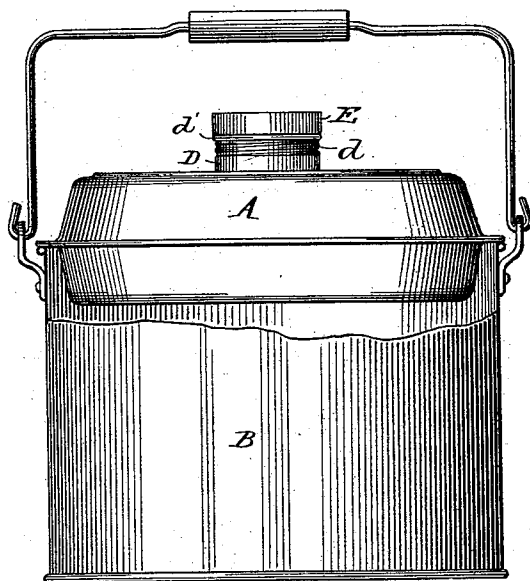


Fig. 2.

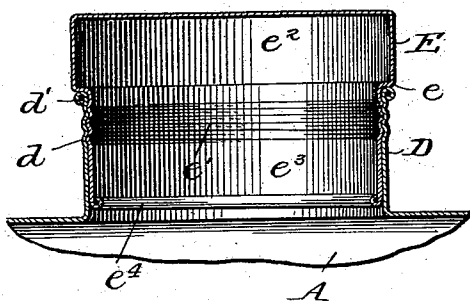
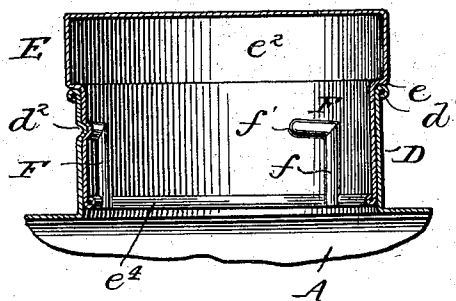


Fig. 3.



Witnesses

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DINNER-PAIL.

SPECIFICATION forming part of Letters Patent No. 543,327, dated July 23, 1895.

Application filed October 1, 1894. Serial No. 524,672. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ELMAR BERTELS, a citizen of the United States, residing at Wilkes-Barré, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Dinner-Pails, of which the following is a specification.

My invention relates to dinner-pails, and more particularly to such pails as have a holder for coffee or other liquid surmounted by a collar or pouring-tube, upon which the drinking-cup is usually placed for convenience or to serve as a cap or closure.

It frequently happens that a dinner-pail is upset and the liquid contents spilled because of the accidental removal of the cup. It is the purpose of my invention to prevent accidents of this class, and to this end the invention consists in forming the pouring-tube or collar of the can with a locking crease or thread, preferably spiral, and in forming upon the cup a crease or spiral thread which will interlock with the collar. The main portion of the side of the cup is plain, the crease or thread occupying but a small percentage of the surface and thereby avoiding any difficulty in keeping the cup clean, and the plain annular surface at the top also prevents leaking by fitting closely and in contact with a correspondingly plain surface on the neck. Furthermore, in the preferred form, in which a spiral crease or thread is used, the upper and lower portions of the cup are plain and the thread is confined to the middle of the cup.

In the accompanying drawings, in which like reference-signs refer to similar parts throughout the several views, Figure 1 is a side view of a dinner-pail having its upper portion broken away to show the liquid-holder. Fig. 2 is a sectional view of one form of collar and cup, and Fig. 3 is a similar sectional view of another form of the invention.

Referring particularly to Figs. 1 and 2, A indicates a liquid-holder which fits upon and forms a cover for the pail B. The holder A is provided with the usual collar or pouring-spout D, which is preferably of the same diameter as the drinking-cup. In these figures the cup E is enlarged at the bottom and reduced at the top, there being an offset or shoulder *e* about midway of its height. Above the offset *e* are formed one or more spiral

creases or threads *e'* which interlock with corresponding threads *d* impressed in the collar D. The enlarged lower part *e*² of the cup and the reduced upper part *e*³ are plain, and it is therefore an easy matter to keep the cup clean. The enlarged lower part *e*² serves as a handle to unfasten the cup and also increases its capacity. To strengthen the upper edge of the cup it is turned inward and rounded, as shown at *e*⁴. This also produces a smooth well-finished edge which is agreeable to drink from, while at the same time it does not interfere with the insertion of the cup into the spout or collar. The upper edge of the collar is curled outward, as shown at *d'*, and the shoulder *e* fits tightly down upon this edge, thus forming what is practically a steam-tight joint, which, together with the closely-fitting screw-joint, not only prevents the spilling of the inclosed fluid, but prevents the escape of steam and therefore keeps it from cooling rapidly.

In Fig. 3 I have shown a cup which, in general outline, is the same as that shown in Fig. 2. It is provided with a shoulder *e* and an inwardly-curved edge *e*⁴, but the locking device consists of a bayonet-joint instead of a screw-joint. As shown, the cup has two or more inwardly-pressed creases *f*, each having a vertical branch *f*, extending downward from the edge of the cup, and an inclined or spiral branch *f'*, which is equivalent to the spiral threads of the cup shown in Fig. 2. The collar D is provided with a curled upper edge *d'* similar to that shown in Fig. 2, and with two or more inwardly-pressed points *d*² adapted to engage with the grooves or depressions *f*.

The manner of locking the cup shown in Fig. 3 to the collar will be evident from the above description and the drawings. The cup is placed in the collar with the vertical grooves *f* in line with the points *d*², and then pressed down until the points reach the inclined grooves *f'*. The cup is then turned until the shoulder *e* engages the curled upper edge *d'* of the collar, thereby locking the cup and closing the liquid-holder tight.

Having described my invention, what I claim is—

1. As an improved article of manufacture, a liquid holder having a collar or neck with means for engaging a cup, a plain annular

space above said means, and a flange or shoulder, in combination with a shouldered cup provided with an enlarged lower part and fitted inside of the collar or neck with corresponding means for engaging the latter and a plain annular surface which is in close contact with the collar when the same is closed, substantially as and for the purposes described.

10 2. As an improved article of manufacture, a liquid holder having a collar or neck with locking means for securing a cup, a plain annular space above said means, and a flange or shoulder, in combination with a cup having
15 a shoulder and an enlarged lower portion, fitted inside of the collar or neck, with corresponding means to engage the latter and a plain annular surface which is in close contact with the collar when the same is closed,
20 substantially as and for the purposes described.

3. As an improved article of manufacture, a liquid holder having a collar or neck with a threaded portion and a plain annular surface above the same, in combination with a

cup having a correspondingly threaded portion and a plain surface, the cup having a shoulder and an enlarged lower portion and fitted inside of the collar and the plain surfaces in close contact when the cup or cover is screwed home, substantially as and for the purposes described. 30

4. As an improved article of manufacture, a liquid holder having a collar or neck with a plain annular surface at the top with a folded or beaded edge, and a cup having a shoulder and an enlarged lower portion and with a like plain surface fitted in the collar and in contact when closed, and the two members being provided with means for locking them together, substantially as and for the purposes described. 35 40

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

CHARLES ELMAR BERTELS.

Witnesses:

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