

N. PLYMPTON.

Teapot.

No. 104,764.

Patented June 28, 1870.

FIG. 1.

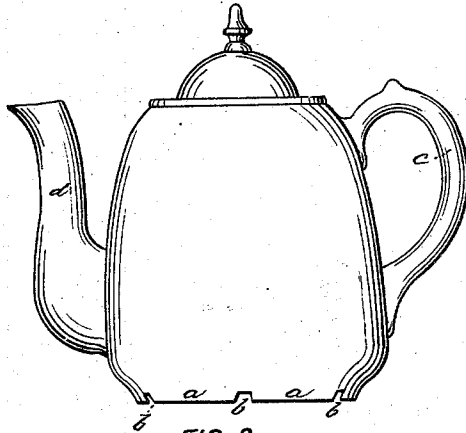


FIG. 2.

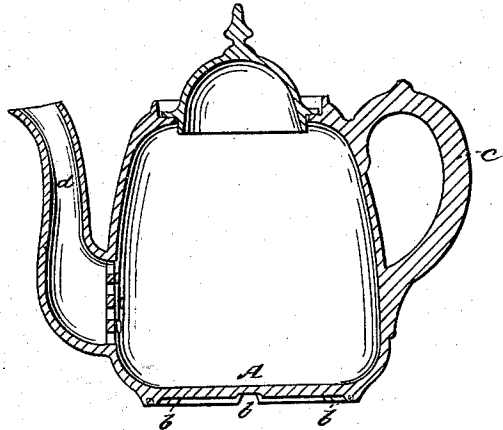
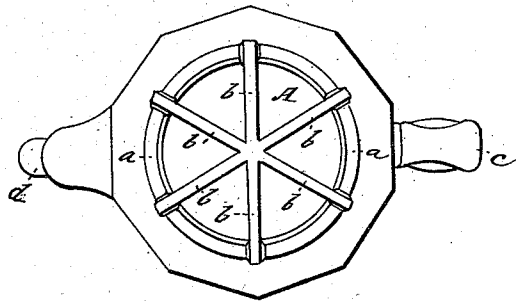


FIG. 3.



WITNESSES:

*S. A. P. P.*  
*L. N. Miller*

INVENTOR.

*N. Plympton*

by his attorney

*R. H. Hedy*

# United States Patent Office.

NATHANIEL PLYMPTON, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 104,764, dated June 28, 1870.

## TEA-POT.

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

To all persons to whom these presents may come:

Be it known that I, NATHANIEL PLYMPTON, of Boston, of the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Earthen-ware Teapots; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a side elevation;

Figure 2, a vertical section; and

Figure 3, a bottom view of an earthen-ware tea-pot, provided with my improvement.

Common earthen-ware tea-pots, such as are for use on stoves, mostly, if not entirely, are made with a concave or dished bottom, having an encompassing lip or flange to come into contact with the top of the stove.

When the tea-pot rests on a hot stove, the bottom lip is, generally speaking, the only part in contact with the stove, and, consequently, first receives the heat radiated from such top.

The heat absorbed by the flange, when the tea-pot is first set on the stove, will suddenly expand the flange, radially and longitudinally, so as to render it liable to crack asunder, or away from those parts of the tea-pot which may be either around or encompassed by such flange. In consequence of this sudden expansion of the flange, the bottom of the tea-pot is very apt, sooner or later, to become cracked, so as to cause the vessel to leak.

I have found that by notching the flange transversely, or grooving the bottom and the flange diametrically, the danger of cracking or breakage of the

bottom, through sudden expansion of the flange by heat, will be greatly reduced, if not entirely obviated.

The drawing exhibits an earthen-ware tea-pot, in which the bottom *A*, with its encompassing sustaining-lip or flange *a*, is exhibited as grooved diametrically by a series of grooves or channels, *b b*, crossing one another, and extended through the flange *a*. The flange thus becomes separated into sections, each being free to expand independently, of the others, or those next to it.

The flange alone may be notched transversely, but I prefer to score or groove both the bottom and the flange, as, by so doing, the chance of cracking the bottom, through the sudden expansion of the flange, will not only be largely diminished, if not entirely prevented, but the heating of the liquid contents of the tea-pot or vessel will be facilitated thereby, as the thinner parts of the bottom, that is, those over the grooves, will absorb and part with the heat quicker than the thicker or intermediate portions thereof.

In other respects, I make the tea-pot in the ordinary way, its handle being shown at *c*, and spout or nose at *d*.

I claim—

As a new or improved manufacture, an earthen-ware tea-pot, having its bottom notched or grooved, substantially as described.

NATHL. PLYMPTON.

Witnesses:

R. H. EDDY,  
S. N. PIPER.