

W. W. STEVENS.
Tea Kettle.

2 Sheets—Sheet 1.

No 78 901.

Patented June 16, 1868.

Fig. 1.

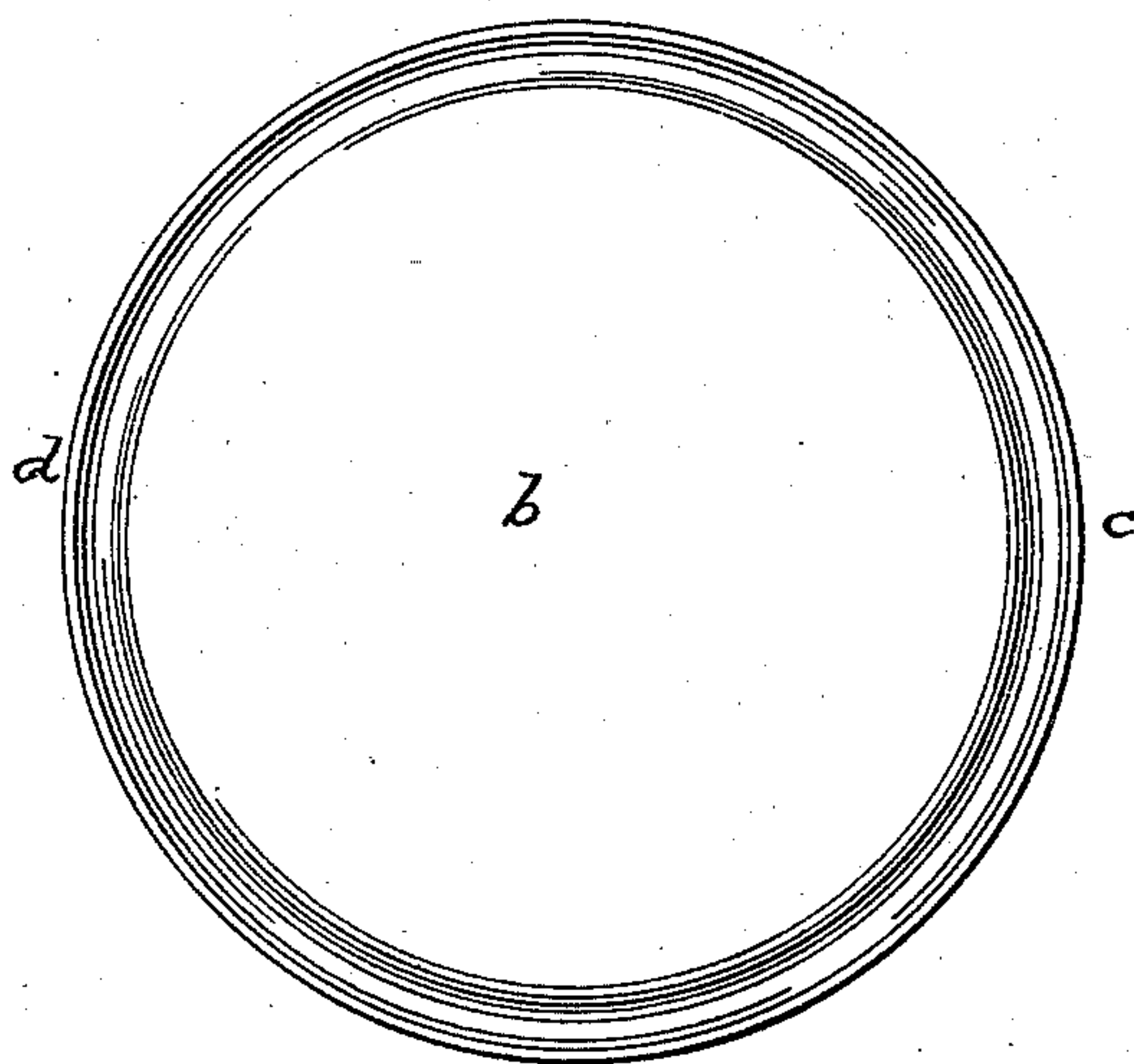
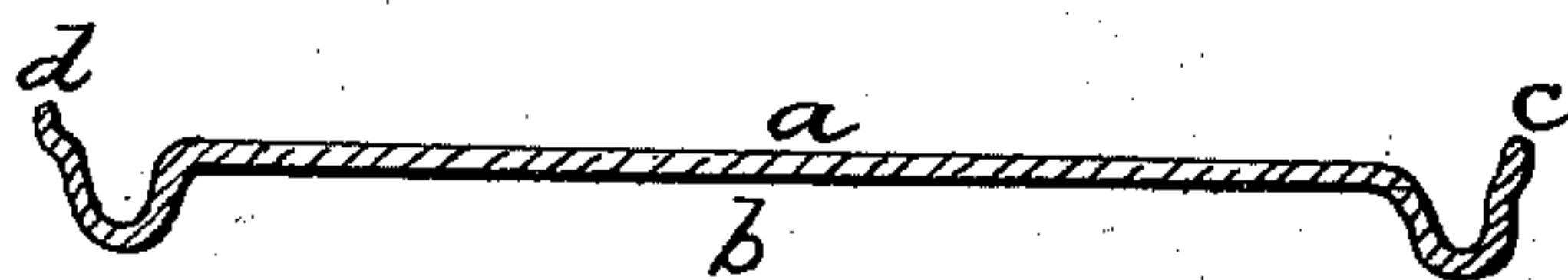


Fig. 2.



Witnesses.

W. H. Clifford
Henry C. Houston.

Inventor.

W. W. Stevens.

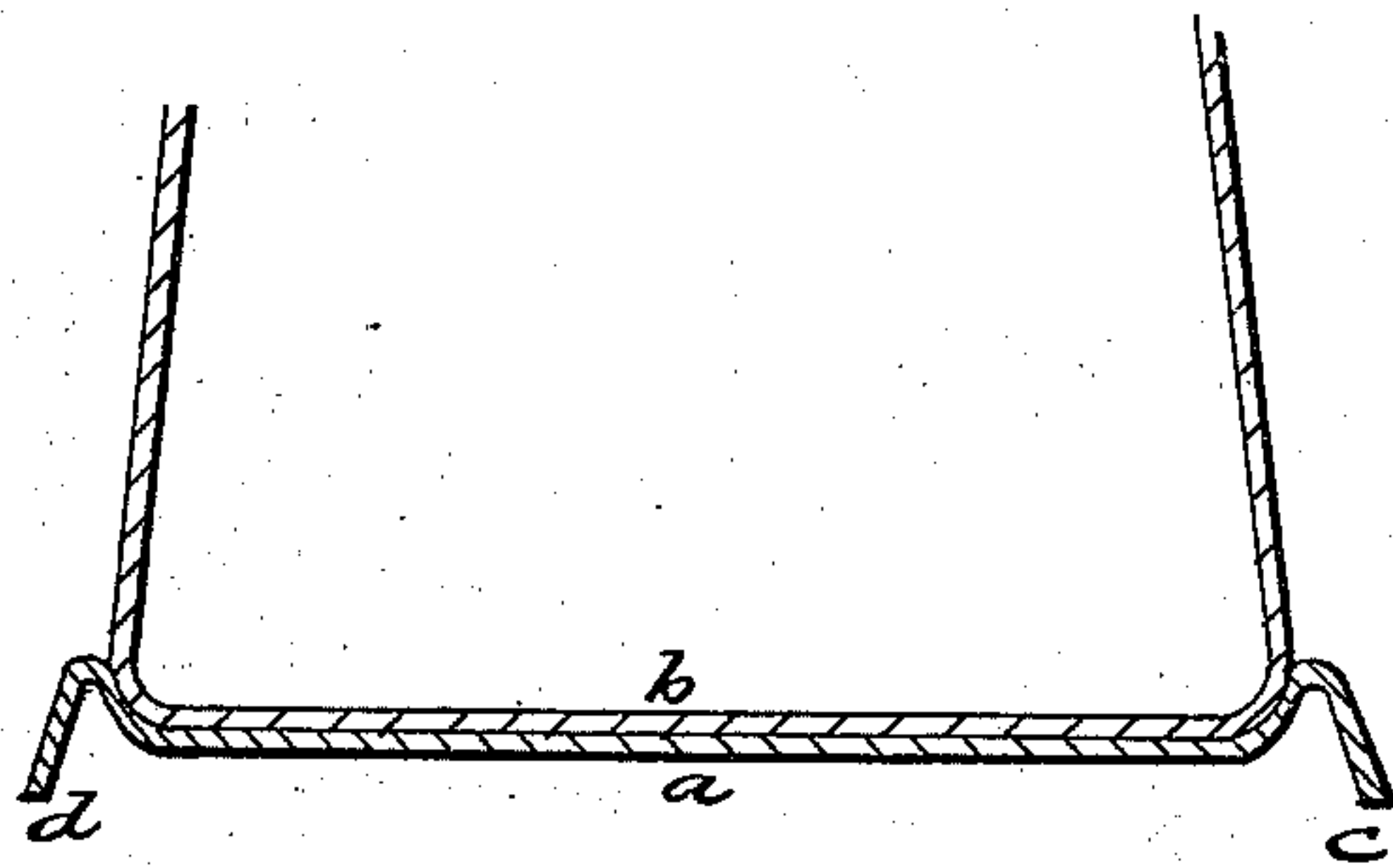
W. W. STEVENS.

2 Sheets—Sheet 2.

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Wm Frank Searey.

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United States Patent Office.

W. W. STEVENS, OF PORTLAND, MAINE.

Letters Patent No. 78,901, dated June 16, 1868.

IMPROVEMENT IN TEA-POTS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, W. W. STEVENS, of Portland, in the county of Cumberland, and State of Maine, have invented a new and useful Improved Tea-Pot; and I hereby declare the following to be a full, clear, and exact description thereof, which will enable others to make and use my invention, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 shows a top view of my improvement, viz, a peculiarly-formed bottom for a tea-pot.

Figure 2 is a section of the same taken through the centre, and showing the formation of the bottom.

The side, *a*, in fig. 2, represents the outside of the bottom, or that part which is next to the stove or other article upon which the tea-pot may be placed. The side, *b*, represents the inside of the bottom of the tea-pot; that is, when it is standing or resting upon any article, it rests upon the projecting rim *d c*, which extends around the entire circumference of the circular bottom.

It is well known that Britannia and other materials liable to melt from heat cannot be safely employed in the manufacture of this article, because of this liability to melt when placed upon any heating-apparatus, and also that convenience requires that tea-pots, &c., should be so made as that they may be, without injury, placed upon a heating-apparatus, in order to keep the contents hot. Earthenware, a less durable article, and one subject to fracture, is on this account much employed.

The object of my invention is so to construct the bottom of a tea-pot that it can be safely employed to hold the articles usually placed in it while being heated, and this when the vessel is made of material subject to the liability of melting by heat.

My improvement consists in a peculiar formation of the plate or disk forming the bottom of the tea-pot, by which not the whole lower outside surface of the said bottom will rest upon the stove or other heating-apparatus, but only an edge, projecting slightly below the outer surface of the bottom, and raising it somewhat from the stove, &c., is permitted to touch the surface from which the heat is derived.

I obtain this projecting edge by bending the outer edge of the circular bottom downward, as is seen in fig. 1, and clearly illustrated in the section, fig. 2. *d c* show the edge upon which the tea-pot rests when standing on its bottom. Thus but a minute portion of the bottom comes in actual contact with a heated surface, while between the residue of the bottom, *a*, and the stove, there is left a space sufficient to remove the liability of melting.

The body of the tea-pot is attached to such bottom in the ordinary way, which I do not claim; neither do I claim an improvement in the construction of Britannia pots, by making the lower body and bottom of such vessels of iron or metal, capable of bearing much greater heat than Britannia, as seen in the patent of E. B. Manning, June 3, 1862, No. 35,457.

The nature of my invention is such that it does not require the bottom to be made of a metal capable of sustaining a high degree of heat without melting, but the bottom may be made of tin, copper, or other metal. By reason of the contact of only the downward-bent edge of the bottom, the durability of the pot is largely increased, because the whole bottom surface is preserved from contact with anything upon which the pot may be placed. The body of the tea-pot is united with this bottom by spinning up the lower part or bottom edge, so as to conform to the inner sloping sides of the raised part, thus leaving a shoulder on the outside, and then soldering the same, as common. The section is shown in the drawing the wrong side up, as the tea-pot rests on the edges *d c*, *b* being the inside of the bottom. I am not aware of any bottom of this form resting on edges *d c*, and with this method of application.

What I claim as my invention, and desire to secure by Letters Patent, is—

The improvement in the construction of pots liable to melt from the influence of heat, consisting of the bottom as herein shown, and applied as illustrated, for the purposes set forth.

Witnesses:

W. H. CLIFFORD,
HENRY C. HOUSTON.

W. W. STEVENS.