

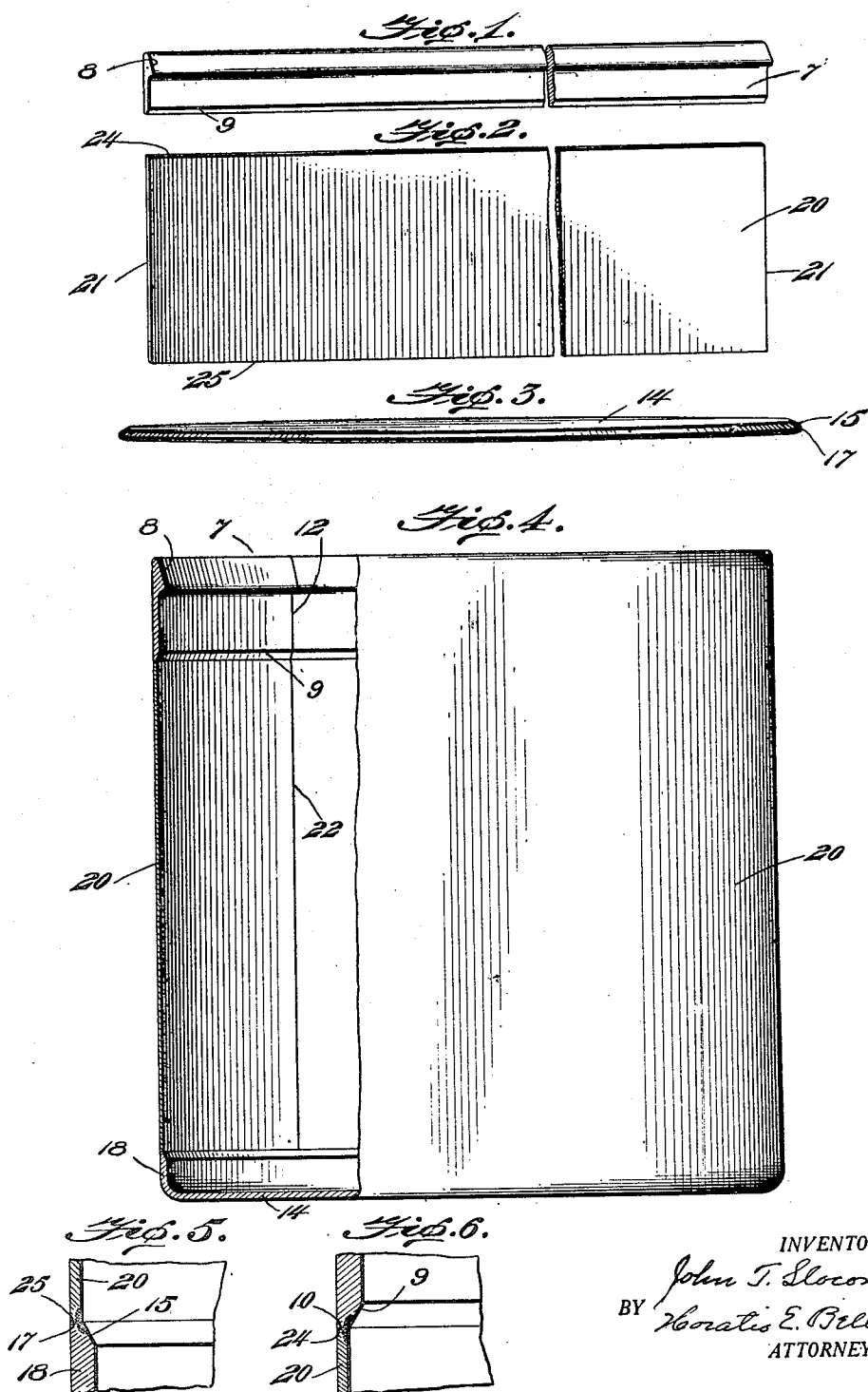
Jan. 9, 1923.

1,441,304.

J. T. SLOCOMB.

METHOD OF MAKING PRESSURE STEAM COOKING VESSELS.

FILED JUNE 27, 1921.



UNITED STATES PATENT OFFICE.

JOHN T. SLOCOMB, OF CRANSTON, RHODE ISLAND.

METHOD OF MAKING PRESSURE STEAM COOKING VESSELS.

Application filed June 27, 1921. Serial No. 480,518.

To all whom it may concern:

Be it known that I, JOHN T. SLOCOMB, a citizen of the United States, residing at Cranston, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Methods of Making Pressure Steam Cooking Vessels, of which the following is a specification.

My invention relates to bodies for steam pressure cookers.

It is desirable and necessary that the body or casing consisting of the closure for the articles cooking be of maximum strength and of light weight. It is essential that the base of the body should be capable of resisting intense heat, and because it is an extended unsupported area must sustain a great strain, and at the same time the upper portion of the body should be sufficiently strong to accommodate the retaining bail and its attachments. These results must, however, be obtained in a structure of light weight. The use of Monel metal would be advantageous but its hardness and stiffness make it impractical to draw up in the usual manner.

To attain the above ends essentially my invention consists in such steps and in such succession of steps as fall within the scope of the appended claims.

In the accompanying drawings which form a part of this specification,

Figure 1 is a perspective view of the original blank from which is formed the upper portion of the body.

Figure 2, a similar view of the original blank for forming the intermediate portion of the body,

Figure 3, a perspective view of the blank which ultimately is manipulated to constitute the bottom portion of the body,

Figure 4, an enlarged side elevation of the completely formed body showing a portion thereof in vertical central section, and

Figures 5 and 6, enlarged fragmentary sections of portions of the side wall of the body taken on the section shown in Figure 4.

Like reference characters indicate like parts throughout the views.

The material of all the constituent parts of the body is Monel metal. By suitable machinery or tools there is formed an oblong unbent blank 7, having a longitudinally disposed inclined shoulder 8 upon the upper

portion of one face, and a longitudinal bevel 9 upon its lower portion extending to a flat bearing face 10. This blank is bent in circular form and has its end faces abutting 60 against each other at 12 where it is welded into a single solid ring.

In addition to the upper member 7 of the cooker body there is formed a lower member consisting initially, as shown in Figure 3, 65 of a circular disk or plate 14 of substantial thickness provided with a marginal bevel 15 extending to an unbeveled peripheral face 17. This blank is by suitable tools bent or cupped up to form a floor or base 14 and 70 an annular side wall 18.

A third member of the body is formed from a rectangular blank 20 of metal as that shown in Figure 2. This blank is of thinner material than that of the parts 7 and 14. 75 This blank is bent up into cylindrical form with its end edges 21 abutting against each other as at 22, and are welded together. The upper and lower flat edges 24 and 25 in assembling register with the flat edges 10 80 and 17 respectively of the other two members, and are united therewith by autogenous welding.

I claim:—

1. The method of making a steam pressure cooker body, consisting in forming a ring, forming a cup comprising a base and a side wall, forming a cylinder of metal thinner than the material of the ring and cup, and finally uniting by welding the cylinder, 90 the ring, and the wall of the cup.

2. The method of making a steam pressure cooker body, consisting in forming upon one face of an oblong blank a longitudinal shoulder upon its upper margin and a longitudinal bevel upon its lower margin extending to the edge face, then bending the blank into the form of a ring and welding together its abutting ends, bending a blank provided with an annular marginal bevel extending to its peripheral face into a cup comprising a base and a side wall, forming a cylinder of metal thinner than the ring and cup by bending a blank and welding together its end edges, and finally uniting the cylinder by welding its unwelded edges to the edge face of the ring and to the peripheral face of the cup. 105

In testimony whereof I have affixed my signature.

JOHN T. SLOCOMB.