

(No Model.)

A. C. SMITH.
WASH BOILER.

No. 440,660.

Patented Nov. 18, 1890.

Fig. 1

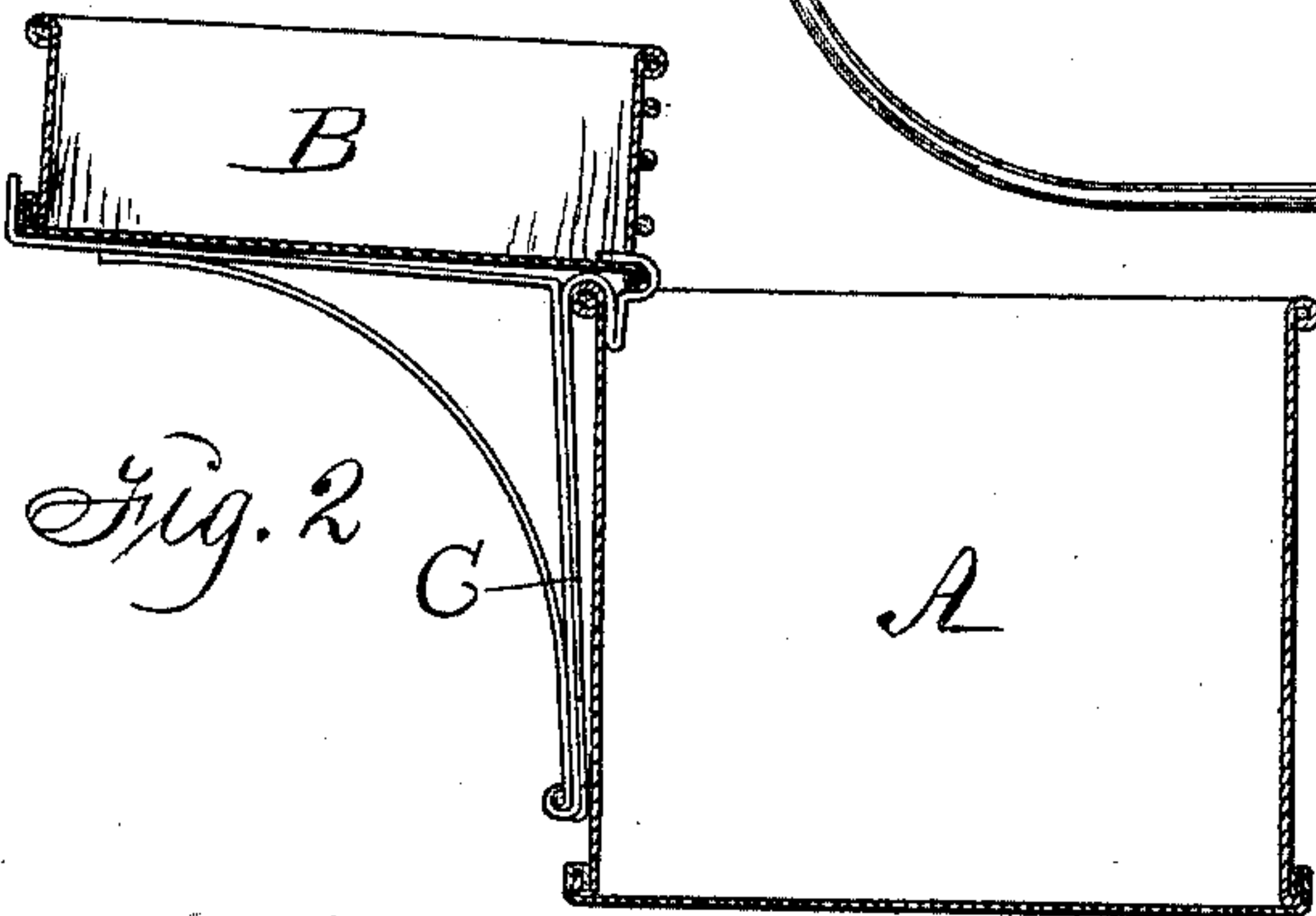
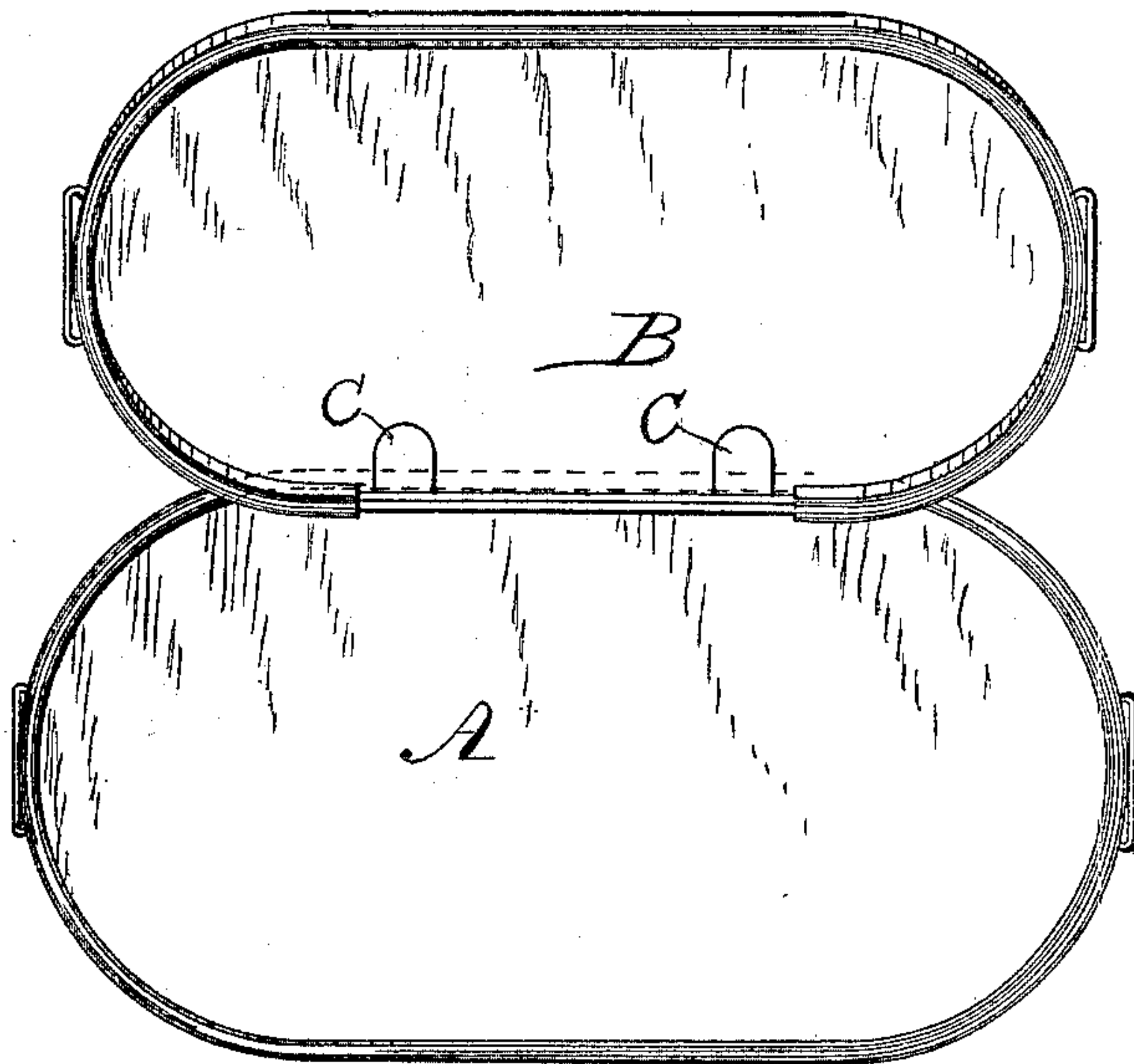


Fig. 4.

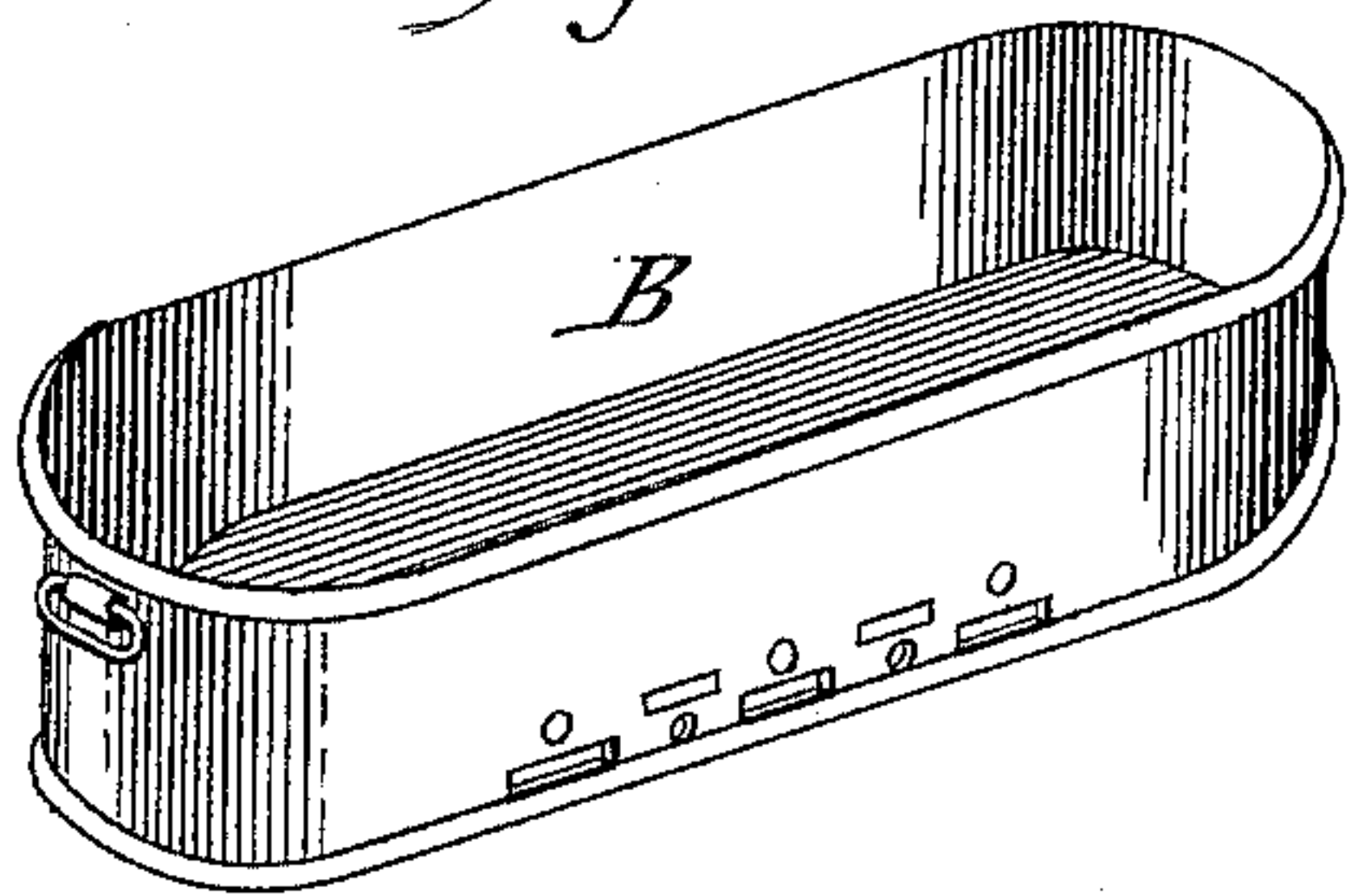
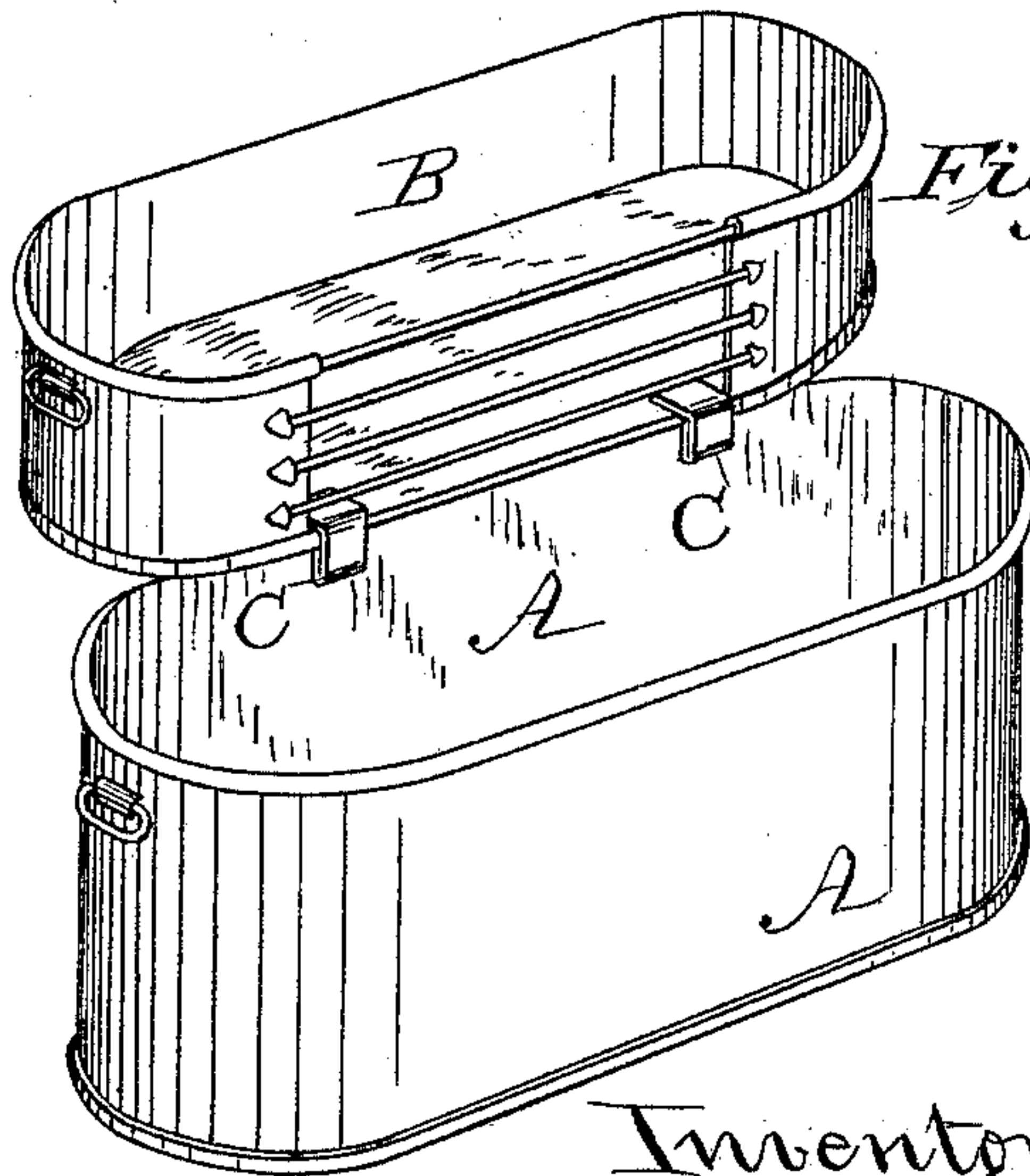


Fig. 3.



Witnesses:
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By

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UNITED STATES PATENT OFFICE.

ADDISON C. SMITH, OF ALGONA, IOWA.

WASH-BOILER.

SPECIFICATION forming part of Letters Patent No. 440,660, dated November 18, 1890.

Application filed January 14, 1890. Serial No. 336,955. (No model.)

To all whom it may concern:

Be it known that I, ADDISON C. SMITH, a citizen of the United States of America, and a resident of Algona, in the county of Kosuth and State of Iowa, have invented a Clothes-Drainer Attachment for Wash-Boilers, of which the following is a specification.

My object is to avoid the annoyances, dangers, and accidents incident to taking clothing out of hot soapsuds in a boiler; and my invention consists in the construction and combination of a drainer with the top of a boiler, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a top view; Fig. 2, a transverse vertical sectional view; and Fig. 3 a perspective view showing the drainer applied to a boiler as required for practical use. Fig. 4 shows a modified form of the drainer.

A represents a vessel or wash-boiler adapted for boiling clothing therein. It is preferably of oblong form, as shown, but may be square-cornered and vary in size, as desired.

B is an open-topped sheet-metal drainer adapted to be connected with the top edge of a boiler. It has hand-holes at its ends and a water-tight bottom. Immediately above the bottom the vertical part or wall is open to allow water to flow from the drainer and over the bottom, to be thereby directed into the boiler. The opening may be several inches wide and extend the entire length of the flange, and have wire or strips of sheet metal fixed across in vertical or horizontal positions, as required, to prevent small articles or parts of clothing from slipping into or through the opening; or the wall may be perforated or slotted to allow water to drain through and pass over the bottom into the boiler.

C represents a bracket, preferably made of tin straps, malleable iron, or non-corrosive wire, and adapted in form to hang upon the top edge of the boiler and to support the drainer. It has a duplex hook, one part of said hook projecting forward and downward to overlap the top edge of the boiler, and the other part projecting horizontally to overlap the edge of the bottom of the drainer.

To attach the drainer to the boiler, I hang

two brackets on the boiler, and then place the drainer on top of the brackets in such a manner that it will incline sufficiently to allow water in the drainer to flow into the boiler, and when the drainer is thus applied and clothing is to be taken from the hot water or soapsuds in the boiler I lift the articles successively with a stick, hook, or other suitable device and place them in the drainer. Dripping hot water outside of the boiler will be thus prevented, and the clothes will be drained and cooled before they need to be touched with the hands, and before separating them by hand they can be conveniently carried in the drainer to any place desired. Wetting floors and scalding hands will not occur, and the labor of taking out and draining and carrying about articles subjected to a boiling process will be greatly facilitated by the use of my invention.

To economize space in packing and shipping, my drainer attachment may conform in size and shape with a boiler, so that it can be placed in the boiler when not in use.

I am aware that a dish-pan drainer having an open side and its bottom extended and bent downward at the open side and fixed legs to support it has been detachably connected with a dish-pan in such a manner that water in the drainer would descend therefrom into the pan; but my manner of making a flat-bottomed drainer adapted to be placed inside of a boiler to rest upon its flat bottom, or to be placed upon the flat top of a table or other even surface, and also adapted to be combined with a wash-boiler by means of detachable brackets in such a manner that the edge of its bottom at its open side will project inward over the top edge of the boiler, is novel and greatly advantageous.

I claim as my invention—

1. An open-topped flat-bottomed drainer-vessel having openings in one side to admit projections on brackets and to discharge water, and adapted in size and shape to be placed in a wash-boiler of common form, and brackets adapted to hang on the edge of an open-topped wash-boiler and provided with projections to enter the open side of the drainer and to support the drainer in an inclined position, in combination with a wash-

boiler, substantially as shown and described, for the purposes stated.

2. An elbow-shaped bracket having a duplex hook at its corner, one part of said hook
5 extending inward and downward to engage the top edge of a wash-boiler, and the other part thereof extending upward and horizon-

tally to engage the bottom edge of a drainer, in combination with a wash-boiler and a drainer, for the purposes stated.

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Witnesses:

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