

(No Model.)

F. W. JUDD.
SHEET METAL EAR FOR KETTLES, &c.

No. 413,856.

Patented Oct. 29, 1889.

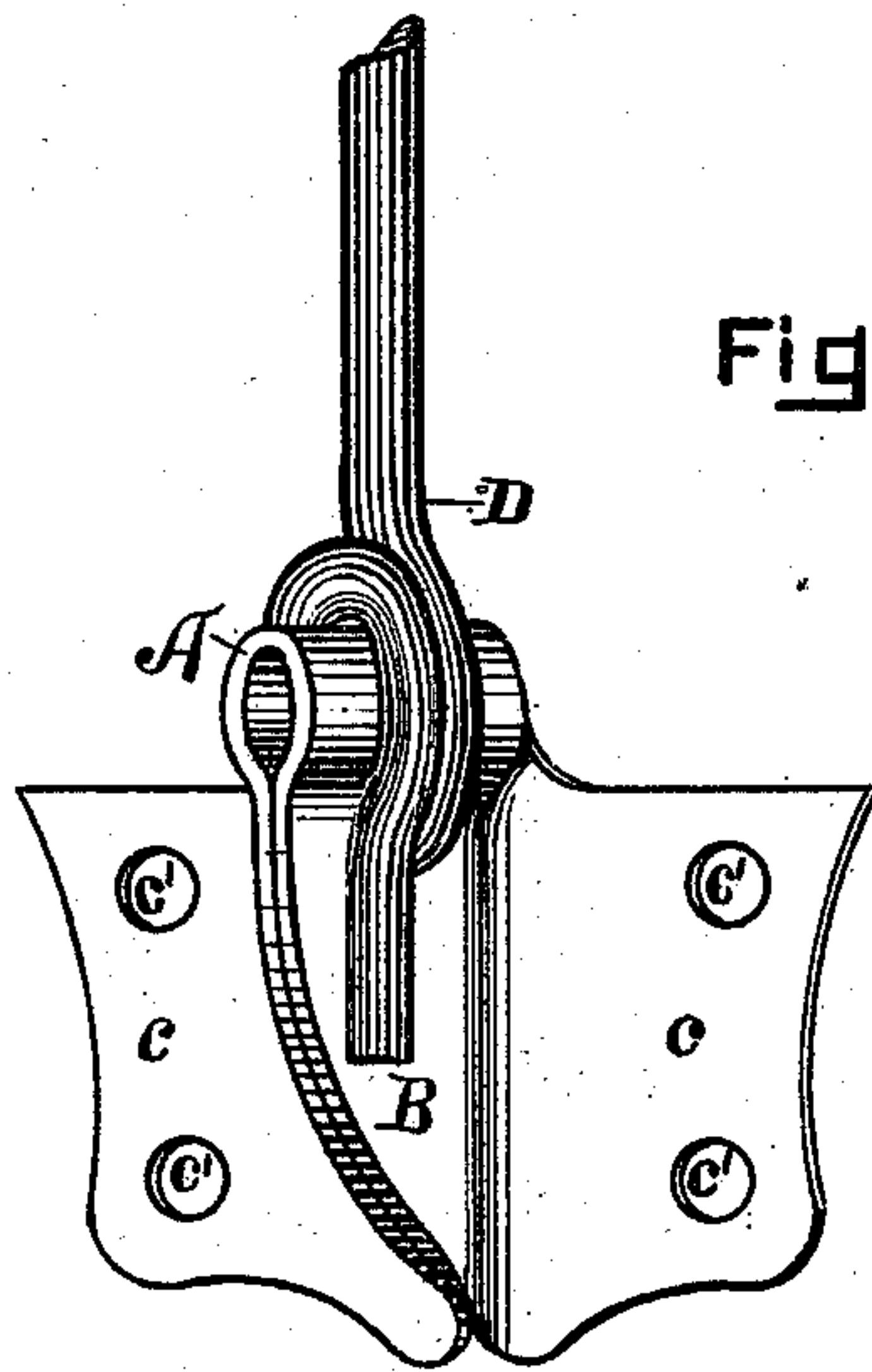


Fig 1.

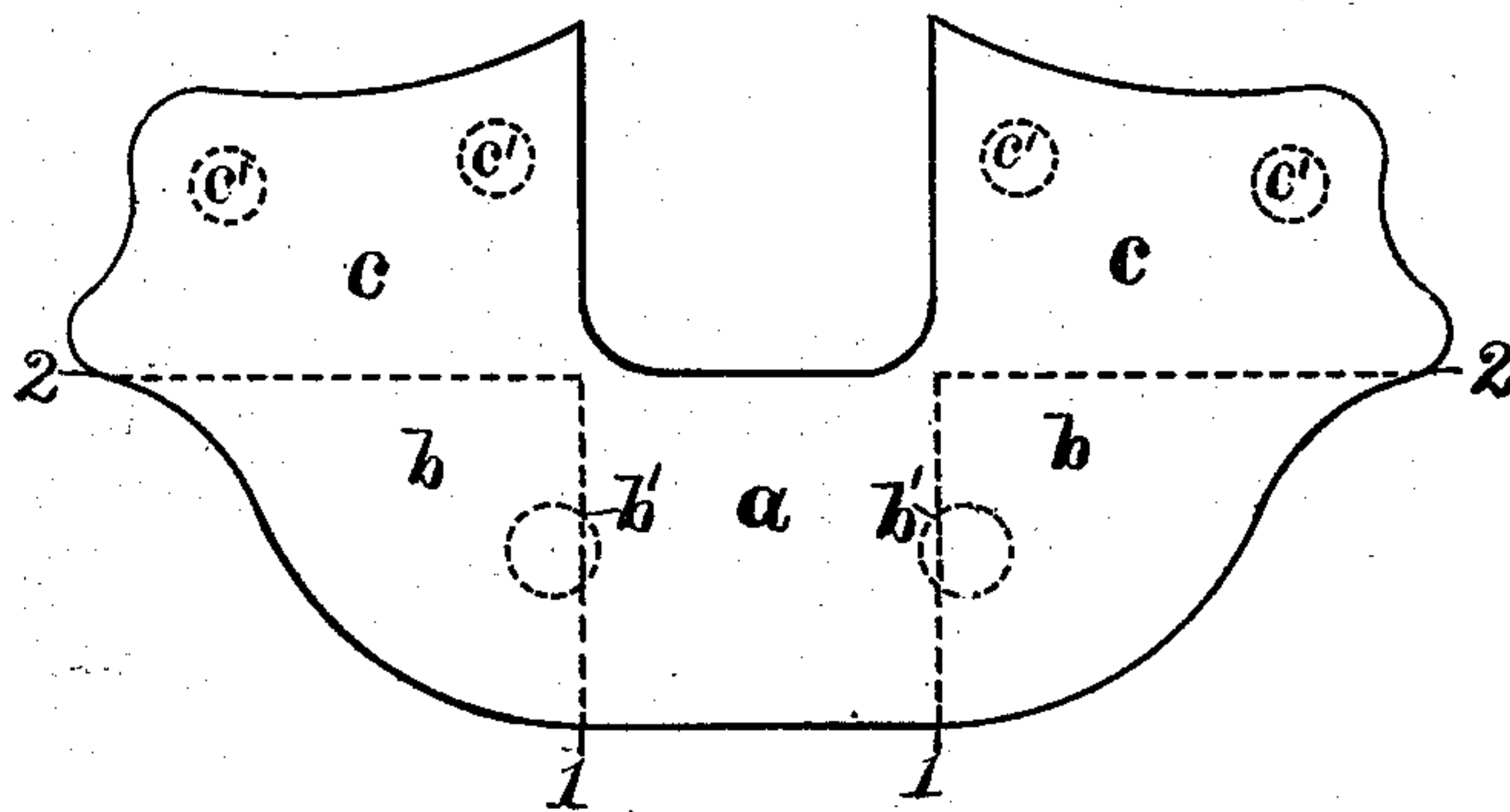


Fig 2.

WITNESSES.

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SHEET-METAL EAR FOR KETTLES, &c.

SPECIFICATION forming part of Letters Patent No. 413,856, dated October 29, 1889.

Application filed February 20, 1889. Serial No. 300,633. (No model.)

To all whom it may concern:

Be it known that I, FRED W. JUDD, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Sheet-Metal Ears for Kettles, &c., of which the following is a full, clear, and exact description.

My invention relates to that class of devices which are secured to the sides of a kettle, pail, or other vessel, to serve as ears, with which the bail may be connected.

It consists of an ear made by bending a suitably-shaped blank of sheet metal to form a double vertical rib, through which is formed a hole, by which the loop of the bail may be attached, and two wings extending in opposite directions substantially at right angles to said rib, whereby the ear may be attached to the kettle.

It also consists in the novel-shaped blank herein shown and described; and it also consists of an ear of the specified details of construction herein shown, resulting from the precise method of bending said blank, all of which is pointed out definitely in the claims.

In the drawings, Figure 1 is a perspective view of an ear in its best form, having one end of a bail attached thereto in one of the ways in which said bail may be attached. Fig. 2 is a plan view of a blank from which said ear is constructed by the proper bending thereof.

This blank consists of a rectangular central part *a*, two end pieces *c c*, which may be of any convenient shape and form the wings, and the two parts *b b*, lying between said parts *a* and *c c*, which are substantially tri-

angular in form. This blank is bent in the rectangular part *a* in the direction of the lines 1 1 and the two parts *b b* brought side by side, thereby forming a double rib B. The blank is also bent at the points indicated by the lines 2 2 in opposite directions until the wings *c c* lie substantially at right angles to the double rib B. A hole *b'* is punched or drilled through the double rib B to afford means for attaching the bail D, and holes *c'* *c'* are also formed in the wings, whereby it may be attached to the kettle.

In the form of the finished ear shown in the drawings the rectangular part *a* of the blank is bent into a substantially cylindrical form, and the hole *b'* through the double rib is formed close beneath it. This cylindrically-bent part adds greatly to the strength of the ear, and at the same time serves as an arbor upon which the bail may be easily turned.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A sheet-metal blank consisting of a rectangular part *a*, the ends *c c*, and the substantially-triangular intermediate parts *b b*, for the purpose specified.

2. A sheet-metal kettle-ear consisting of the vertical double rib B, having a hole *b'* and a cylindrically-bent part A upon its upper edge, and the wings *c c*, bent in opposite directions substantially at right angles to said rib, for the purpose specified.

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Witnesses:

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