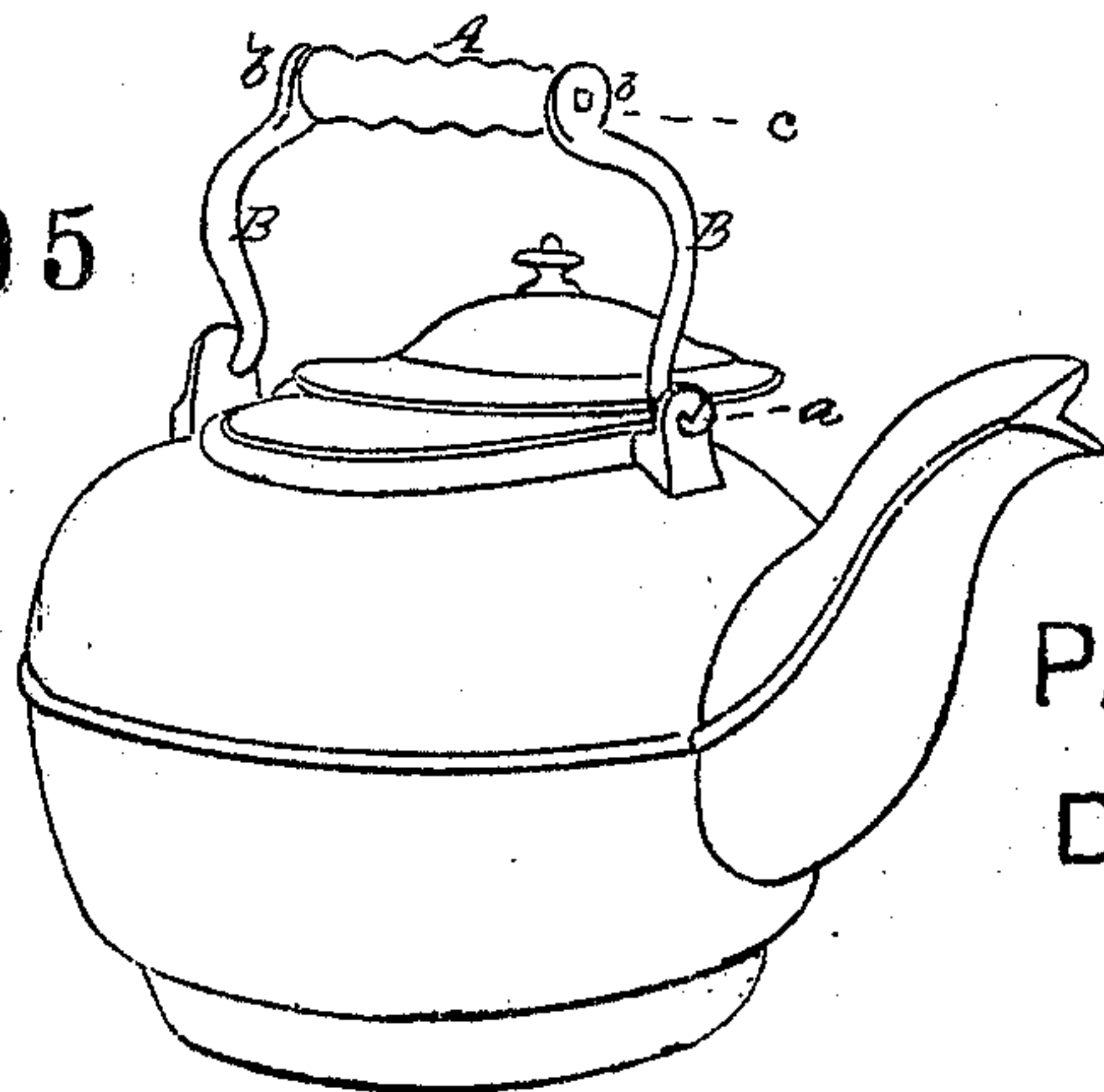


William Hailes' Bail for Kettles.

72195

Fig. 1



PATENTED
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Fig. 2

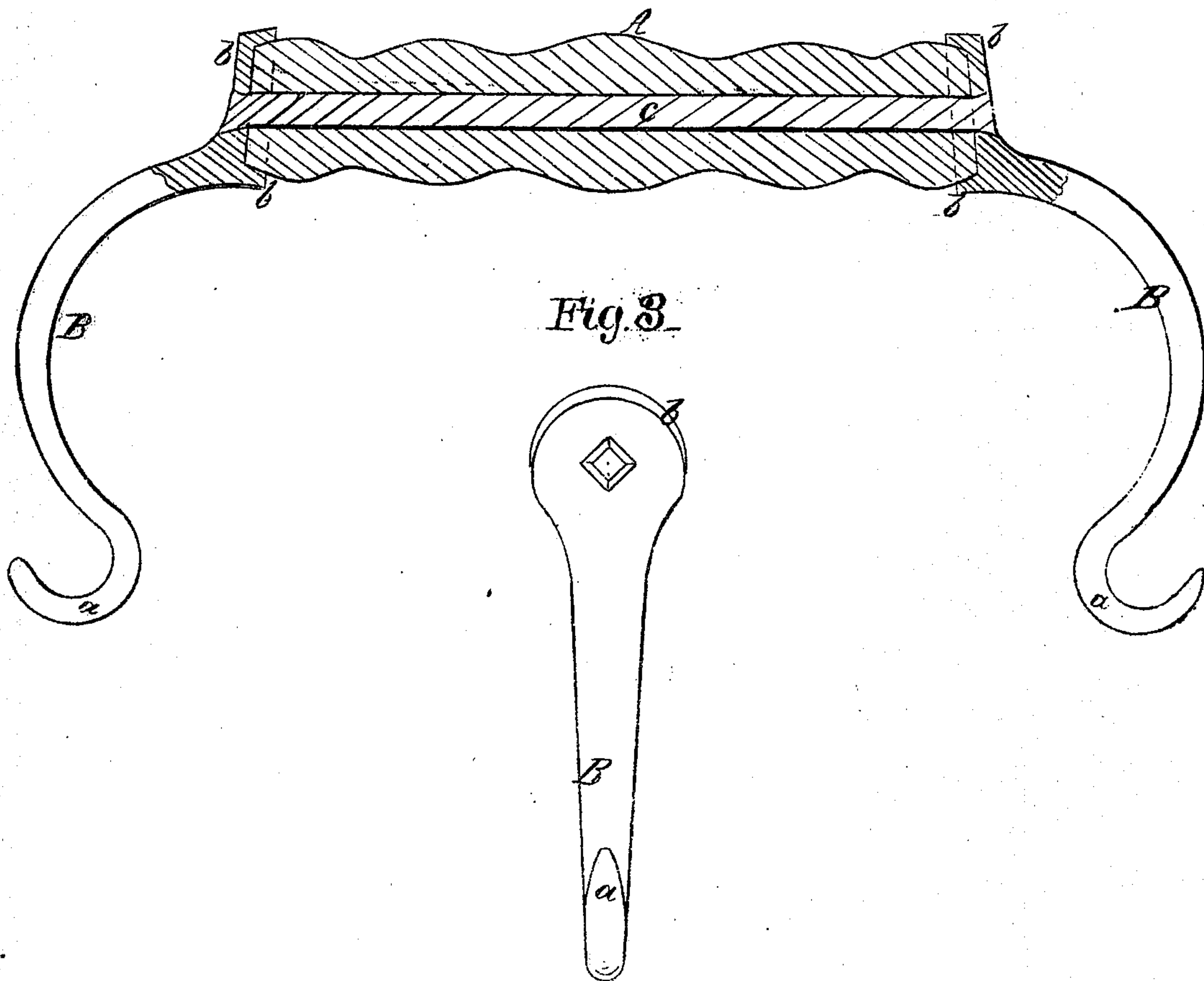
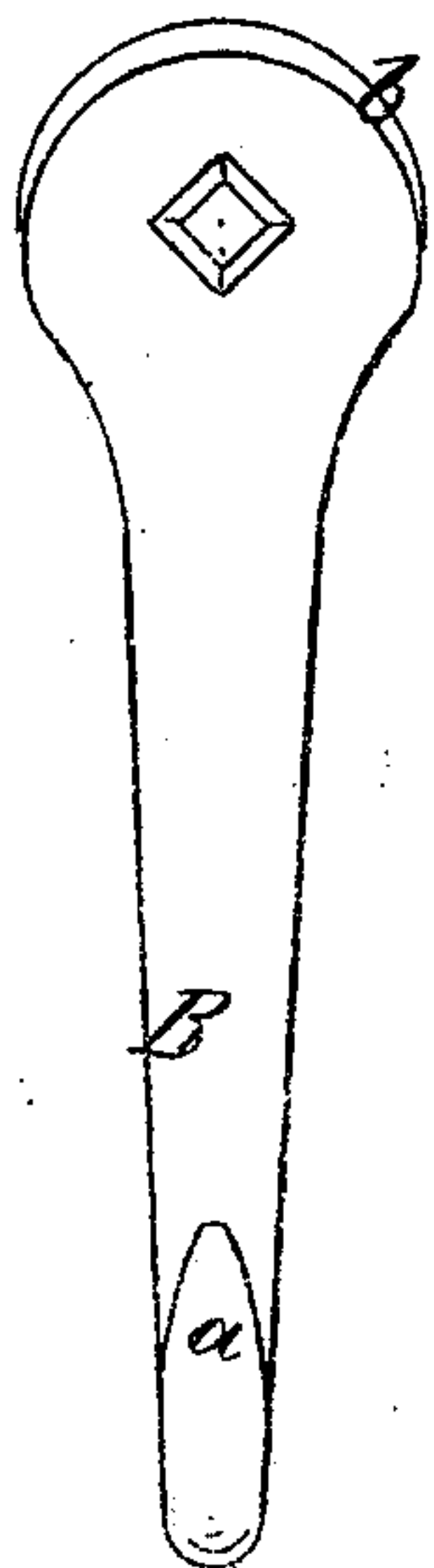


Fig. 3



Witnesses.
W. J. Campbell
John Schuyler

Inventor
W^m Hailes
by
Mason, Hamill & Lawrence.

United States Patent Office.

WILLIAM HAILES, OF ALBANY, NEW YORK.

Letters Patent No. 72,195, dated December 17, 1867.

IMPROVEMENT IN BAIL FOR KETTLES.

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, WILLIAM HAILES, of Albany, in the county of Albany, and State of New York, have invented an Improved Bail for Kettles and other vessels; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 shows the improved bail applied to a tea-kettle.

Figure 2 is an enlarged sectional view of the improved bail.

Figure 3 is an end view of one of the metal sections of the bail.

Similar letters of reference indicate corresponding parts in the three figures.

This invention relates to an improvement on the construction of combined wood and metal bails, which are especially designed for vessels requiring to be handled while heated, where it is not desired to use cloths or other separate holders. The invention is, however, applicable to buckets and other vessels which do not require to be heated. It consists in constructing a bail of three sections, two of which are of metal, and form the attaching-hooks and standards, and the other is of wood or other poor conductor of heat, and forms the handle or that portion which is grasped in the hand; said sections being put together by means of a square rod, which is passed through the centre of the handle, and riveted to cup-shaped enlargements on the hooked sections, which receive the ends of said handle, as will be hereinafter described.

To enable others skilled in the art to understand my invention, I will describe its construction and operation.

In the accompanying drawings, A represents the handle of my improved bail, having applied to its ends metallic hooked sections B B. The handle may be made of any suitable substance which is a poor conductor of heat, and for this purpose almost any hard wood will answer. It may be turned with swells upon it, as shown, in order that it may be firmly and comfortably grasped in the hand. The curved sections B B are both constructed alike, and form the hooked standards, by which the handle is attached to the ears of a vessel, so as to swing freely. On one end of each section B an enlargement, *b*, is formed, having a circular seat or depression formed in it, for receiving the reduced end of the handle A, as shown in fig. 2. Through the centre of the circular enlargement *b* of each section B a square hole is made, which is countersunk on the outside. The sections B are suitably curved, and terminated at their lower ends in hooks *a*, by which they are attached to the ears of a bucket, kettle, or other vessel, and these sections are rigidly secured to the ends of the handle A by means of a square rod, C, passed through said handle and riveted at its ends. This mode of securing the metal sections to their handle prevents the latter from turning or working loose, forms a rigid and durable fastening, and presents a neat and finished appearance.

I am aware that wood has been used for the handle for irons and other articles, therefore I do not claim such material *per se* for this purpose; but

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

Constructing the metal sections B B with sockets formed within the enlargements *b b* of said sections, such sockets having the ends of a wooden handle fitted into them, and such handle being held in said sockets by a rod, *c*, which passes through the handle and through the enlargements *b b*, and is fastened to the latter, all substantially in the manner shown and described.

WILLIAM HAILES.

Witnesses:

JOSEPH M. NORTHROP,
CHAS. C. VAIL.