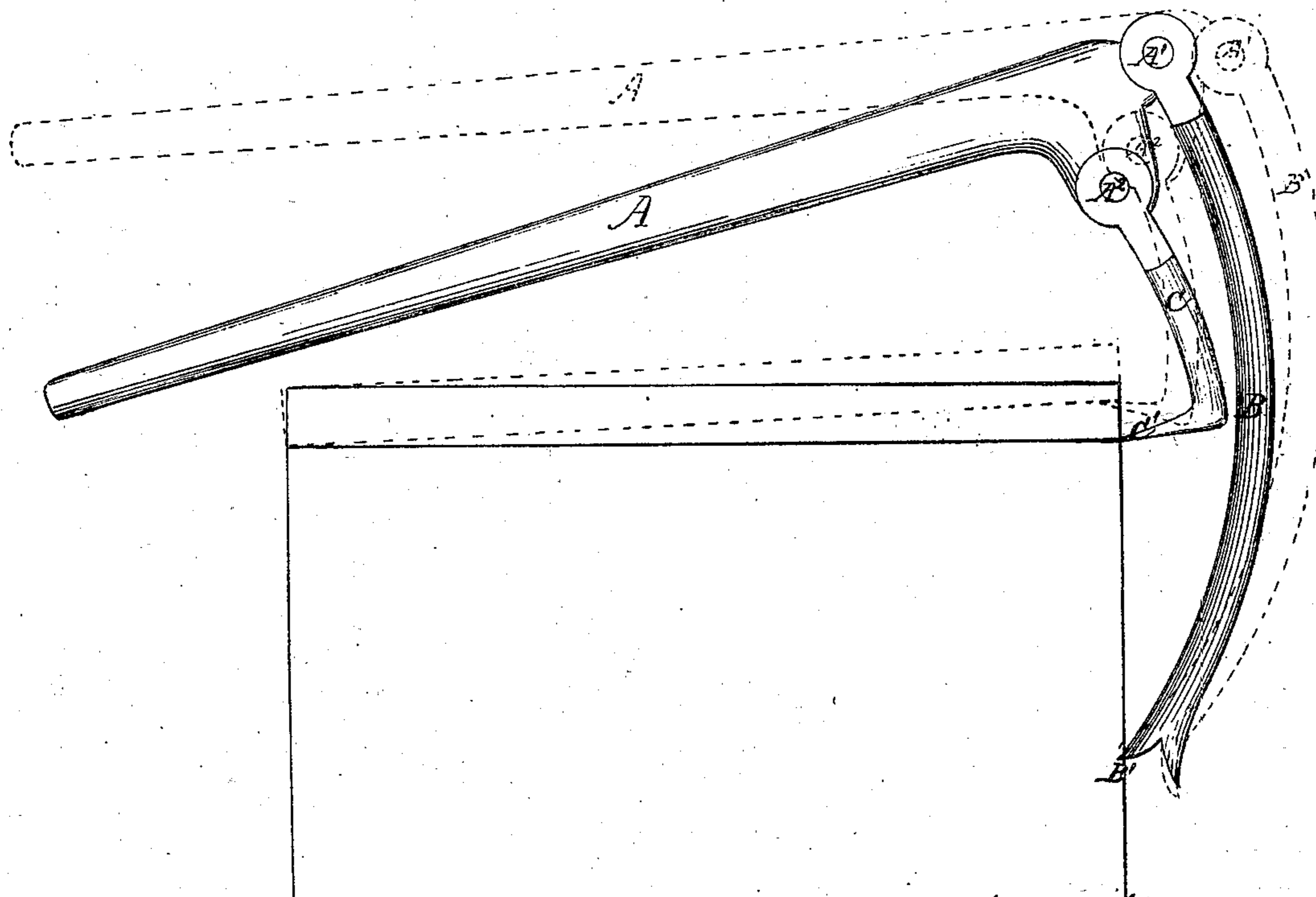


T. B. Henkle,

Box Opener.

No. 111,207.

Patented Jan. 24, 1871.



Attest
C. F. Clausen
Notary Public

T. B. Henkle
Inventor
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Attys

United States Patent Office.

THOMAS B. HENKLE, OF KNIGHTSTOWN, INDIANA.

Letters Patent No. 111,207, dated January 24, 1871.

IMPROVEMENT IN BOX-OPENERS.

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, THOMAS B. HENKLE, of Knightstown, county of Henry, State of Indiana, have invented a new and useful Improvement in Box-Openers; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which the figure represents a side elevation of the instrument, showing its operation in opening a box.

This invention relates to an instrument for opening boxes, removing hoops from barrels, and for other similar purposes; and

My improvement consists in a novel construction of such a device, which will be specifically set forth in the following description and claim.

To enable those skilled in the art to make and use my invention, I will proceed to describe its operation and construction.

In the annexed drawing—

A represents the hand-lever;

B, the fulcrum-bar; and

C, the lifting-hook.

The hand-lever terminates at one end in a flattened bar constructed with ears, A^1 and A^2 , in which holes are bored for the reception of the pivots upon which the fulcrum-bar and lifting-hook respectively turn.

By reference to the drawing it will be seen that the axis of the fulcrum-bar is only slightly in advance of that of the lifting-hook, by which arrangement a powerful leverage is exerted upon the hook in lifting the hand-lever.

The pivoted end of the fulcrum-bar is bifurcated,

the jaws fitting over the ear A^1 of the hand-lever. It has the bow-shaped form shown, to permit the lifting-hooks to operate within it, and terminates at its lower end in a dog, B' , which enters the wood at the side of the box to be opened.

The lifting-hook is also bifurcated, hung by its jaws on the pivot in the ear A^2 , and is constructed with claws, C' , bent inward at right angles to it.

In operating the tool, the fulcrum-bar may be thrown back over the hand-lever to allow a hammer to be used in driving the claws of the lifting-hook under the cover of the box.

The fulcrum-bar, being turned back into the position shown in the drawing, enters by its dog the wood on the side of the box, when, by raising the outer end of the hand-lever, the hook will be lifted, removing the top of the box, the fulcrum-bar serving to hold the body of the box firmly down upon the floor.

Having thus described my invention,

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

The device for opening boxes and for similar purposes herein set forth, composed of the hand-lever A A^1 A^2 , fulcrum-bar B B' , and lifting-hook C C' , constructed and arranged relatively to one another substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOS. B. HENKLE.

Witnesses:

D. P. HOLLOWAY,

C. H. FOWLER.