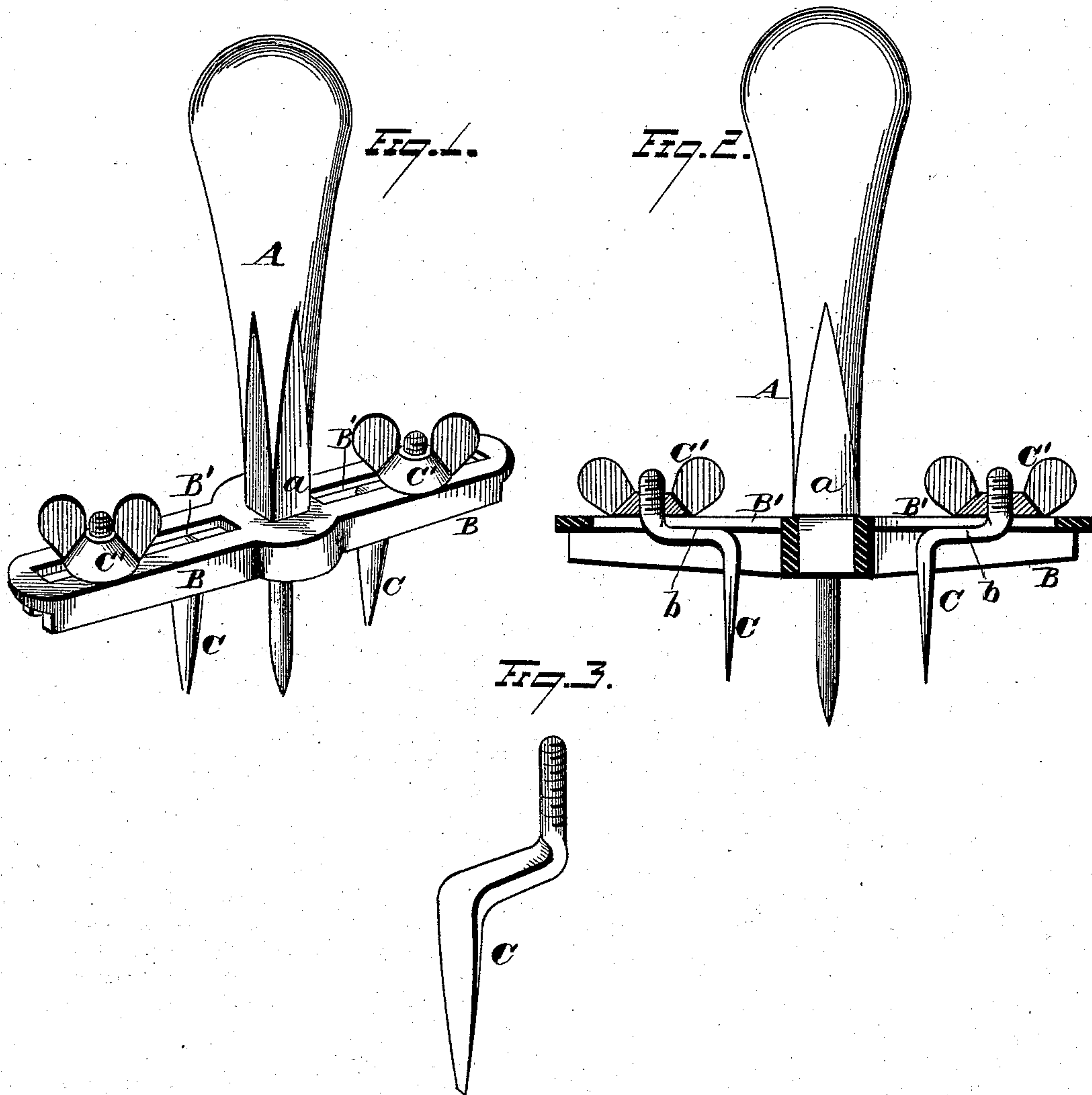


R. J. BARTLEY.
Washer-Cutter.

No. 217,505.

Patented July 15, 1879.



WITNESSES
E. J. Nottingham
A. M. Bright.

INVENTOR
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UNITED STATES PATENT OFFICE.

ROBERT J. BARTLEY, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF HIS
RIGHT TO H. H. WILLARD AND G. G. WILLARD.

IMPROVEMENT IN WASHER-CUTTERS.

Specification forming part of Letters Patent No. **217,505**, dated July 15, 1879; application filed
May 28, 1879.

To all whom it may concern:

Be it known that I, ROBERT J. BARTLEY, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Washer-Cutters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improved device for cutting washers from leather for packing, &c.; and consists in the combination of parts hereinafter described and claimed.

In the drawings, Figure 1 represents, in perspective, a view of my improved washer-cutter; and Fig. 2 represents the same in front sectional view. Fig. 3 is a separate view of one of the knives.

In the said drawings, A is an awl of ordinary construction, though preferably provided with a square shank at the awl end of the handle. (Shown at *a*.) B is a cross-piece, of metal, provided with slots B'. C represents knives bent in angular form, as shown, and provided with a clamping-nut, C', whereby the knife may be secured rigidly in any desired position.

It will be seen that by reason of the angular form of the knife its cutting-point may be brought in close to the awl without interfering with the clamping-nut C'; so, also, by loosening the nut the angular portion of the knife may be turned outward from the awl, so

as to largely increase the scope of the cutter, enabling it to cut a larger number of washers than is indicated by the mere length of the slot B'.

As shown in the sectional drawings in Fig. 2, it will be seen that the knife is clamped by forcing that portion of it which is parallel to the bar snugly against a shoulder, *b*. This gives a broad bearing to the knives, so that they will work steadily, and will not be liable to get out of adjustment.

The clamp-nuts being upon the upper side of the cross-bar they will not obstruct a clear view of the washer that is being cut. This cross-bar may be made permanently attached to the handle—in fact, the handle and cross-bar may, if desired, be cast in a single piece. I prefer, however, to make them separately, so that the awl may be used independently of the cutter, except when it is desired to unite the two for the purpose of making a washer-cutter.

What I claim is—

A washer-cutter consisting in the combination, with an awl and a cross-bar provided with a longitudinal slot, of a knife having a double angular shank and a nut which clamps the latter in place, substantially as set forth.

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

ROBERT J. BARTLEY.

Witnesses:

JNO. CROWELL, Jr.,
W. E. DONNELLY.