

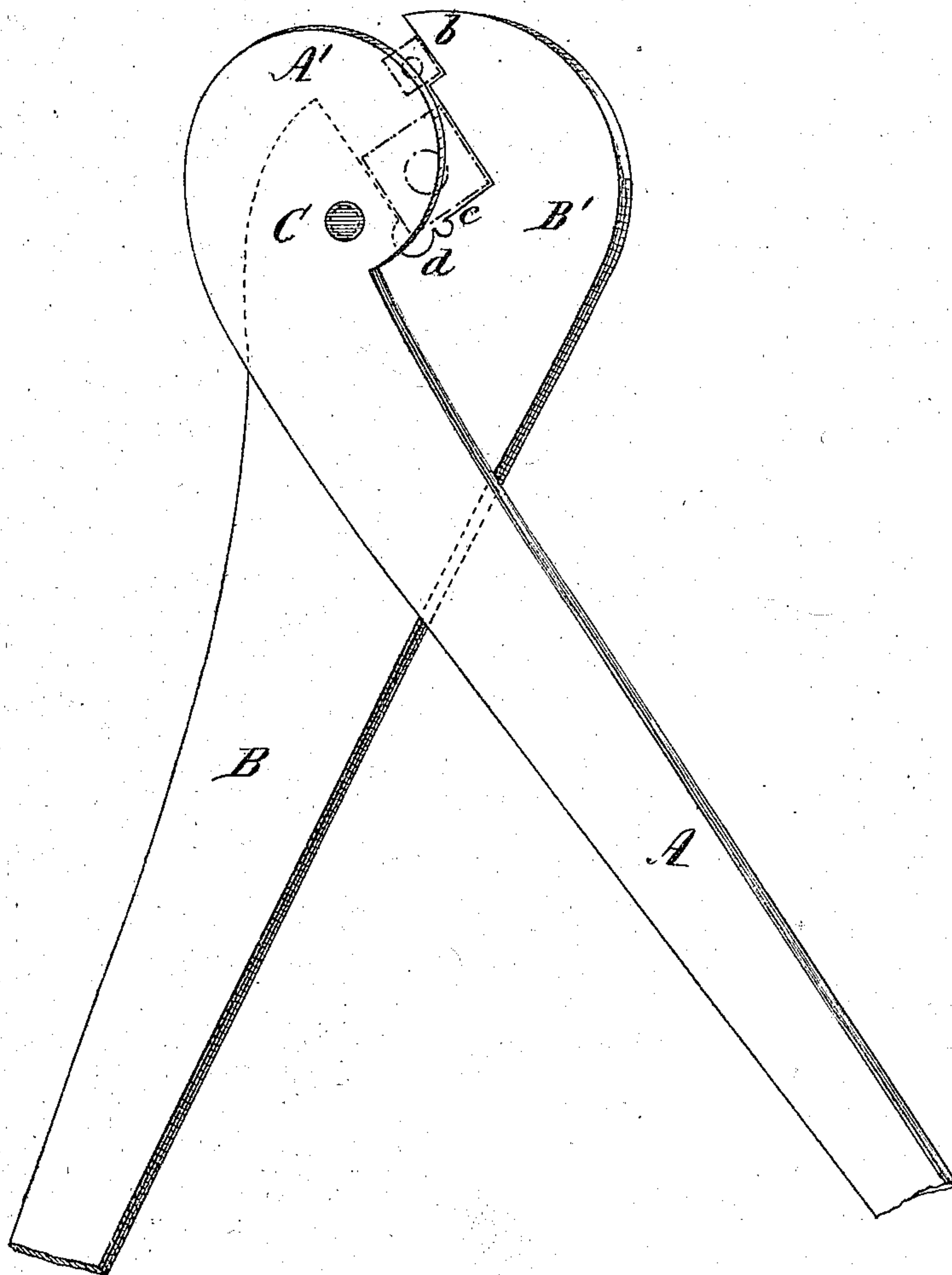
P. BROADBOOKS.

Wrench and Bolt-Cutter.

No. 136,964.

Patented March 18, 1873.

Fig. 1.



Witnesses:

H. R. Sandre
J. M. Anderson

Inventor:

Peter Broadbooks
By J. M. Anderson his atty

UNITED STATES PATENT OFFICE.

PETER BROADBOOKS, OF BATAVIA, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO SCHUYLER LOZIER AND EDWIN F. WHITNEY, OF SAME PLACE.

IMPROVEMENT IN WRENCH AND BOLT-CUTTERS.

Specification forming part of Letters Patent No. **136,964**, dated March 18, 1873.

To all whom it may concern:

Be it known that I, PETER BROADBOOKS, of Batavia, in the county of Genesee and State of New York, have invented a new and Improved Wrench and Bolt-Cutter; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

The figure is a perspective view of my improved implement, showing the manner in which it is applied.

A and B represent lever-handles pivoted at C. On the lever A is formed a cam-shaped head, A', slightly beveled so as to form a cutting-edge on the inner side, which operates with the head B' like a pair of shears. The head B' on the lever B is formed with a deep notch or recess, so that it will fit on a nut, and may be used for turning the same like an ordinary wrench. This recess has an offset, shown at b, for turning smaller nuts and supporting them while the bolt is being cut off

by the cam-head. The wrench-head is also provided with half-round notches c and d for supporting wires and small rods while being cut off.

The operation of my implement will be easily understood from the description and drawing.

My combined wrench and bolt-cutter is very convenient for ironing buggies and the like, as the nuts may be turned up and the bolt-ends cut off with the same implement and at the same operation.

What I claim as my invention is—

The combined wrench and bolt-cutter herein described, consisting of the levers A and B, cam-head A', and wrench-head B', provided with notches and offset, substantially as specified.

PETER BROADBOOKS.

Witnesses:

E. F. WHITNEY,
S. LOZIER.