

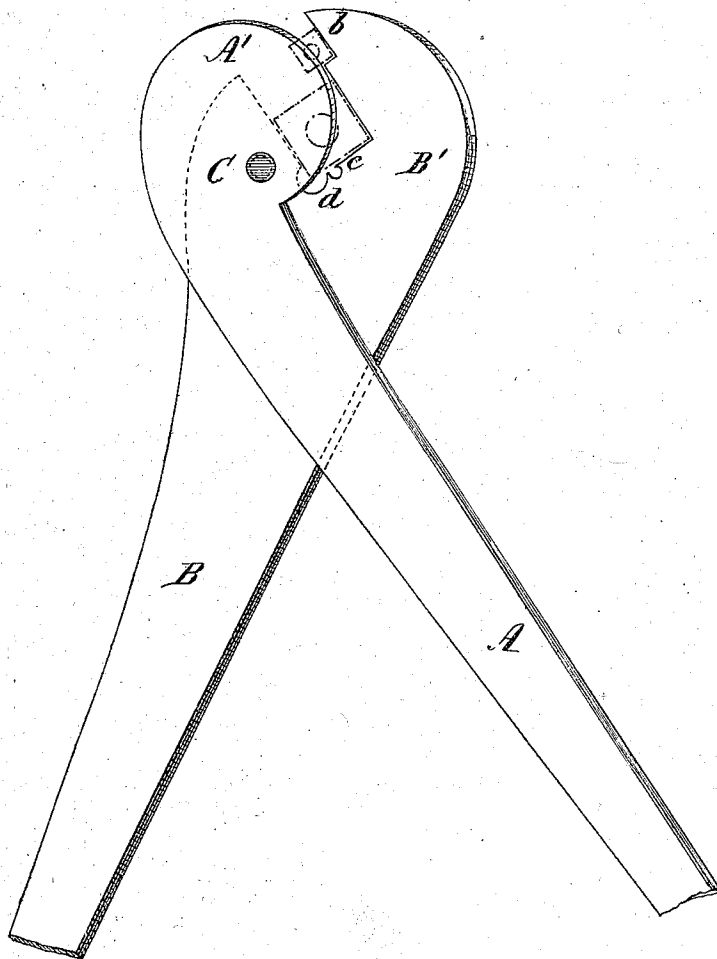
P. BROADBOOKS.

Wrench and Bolt-Cutter.

No. 136,964.

Patented March 18, 1873.

Fig. 1.



Witnesses:

H. P. Sanders
Wm. Anderson

Inventor:

Peter Broadbooks
By S. M. Mendenhall 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.