

W. C. Abbe,
Wrench.
N^o 67,937. Patented Aug. 20, 1867.

Fig. 1.

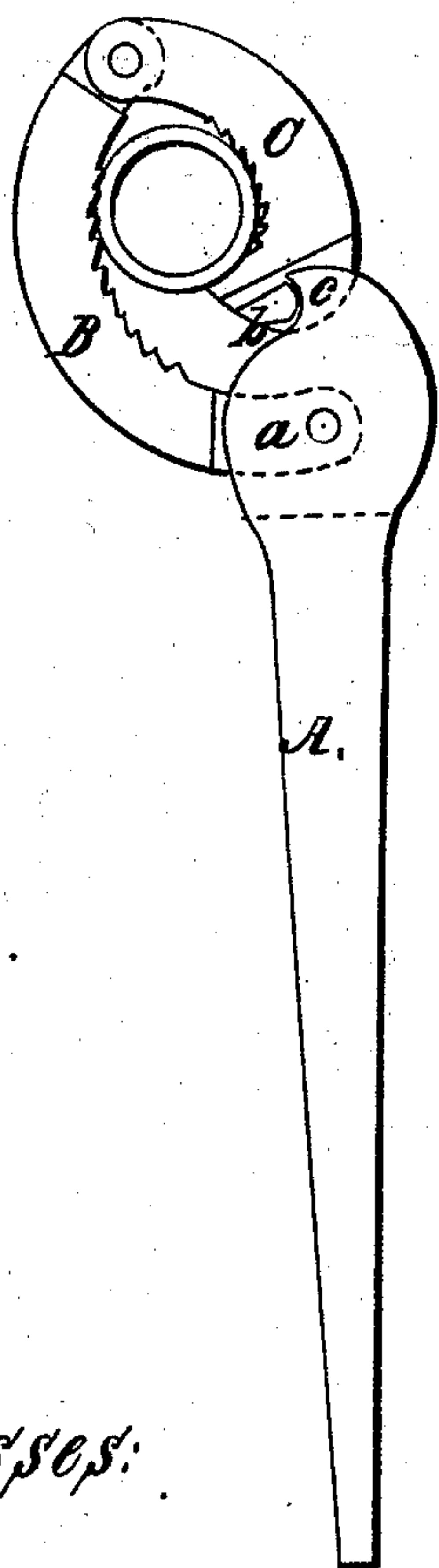
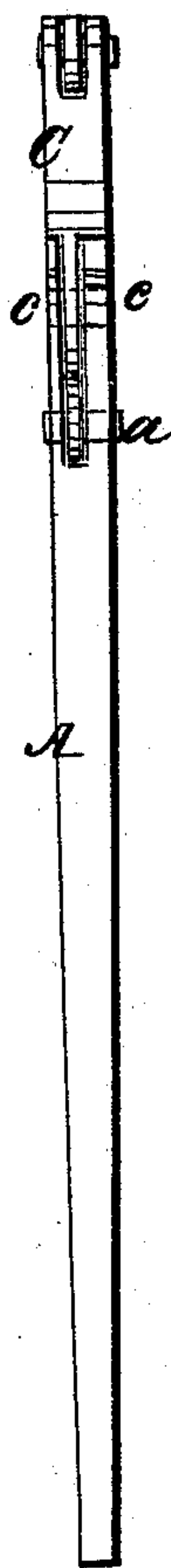


Fig. 2.



Witnesses:

Theo Tinsche
J. A. Service

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United States Patent Office.

WILLIAM C. ABBE, OF PETROLEUM CENTRE, PENNSYLVANIA.

Letters Patent No. 67,937, dated August 20, 1867.

IMPROVEMENT IN PIPE-WRENCHES.

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 C. ABBE, of Petroleum Centre, Venango county, Pennsylvania, have invented a new and improved Pipe-Wrench; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of my improved pipe-wrench, and

Figure 2 an edge view.

Similar letters of reference indicate corresponding parts.

This invention relates to an improved construction of a wrench for coupling and uncoupling gas and other pipe or tubing, bolts, or round screws of any kind, and consists in connecting two jointed segmental jaws to the end of a single-hand lever, in such a manner that they may be opened to admit between their concave serrated edges pipes of different sizes, which they will clasp firmly around their sides, and hold rigidly, when a hooked point on the short arm of the hand-lever shall bear upon a nib or projection on the side of one end of one of the segmental jaws, as hereinafter more particularly described.

A is a hand-lever, to one end of which is pivoted at *a* one end of a segmental jaw, B, on the other end of which jaw is pivoted another segmental jaw, C, both of which jaws are provided with teeth or corrugated edges on their concave sides facing each other. The jaws are so shaped in compound lines of curvature that they will hug closely upon a large surface of the sides of a pipe placed between them, and thus secure a firm hold upon it, which will allow it to be turned against a strong resistance without slipping on or defacing the outside of the pipe. On the extremity of the jaw C a nib or lug, *b*, is formed at the side, upon which hooked point *c*, on the short arm of the lever A, catches to close the jaw upon the pipe, by lifting the lever on the fulcrum pivot *a* of the jaw B. Either one or two lugs may be used.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The segmental jaws B C, in combination with the lever A, constructed and operating substantially as and for the purpose described.

WM. C. ABBE.

Witnesses:

WM. F. McNAMARA,
ALEX. F. ROBERTS.