[45.] ANTHONY CUMBERWORTH.

PIPE & NUT WRENCH.

No. 119,265. Patented Sep. 26, 1871.

Fig. 1.

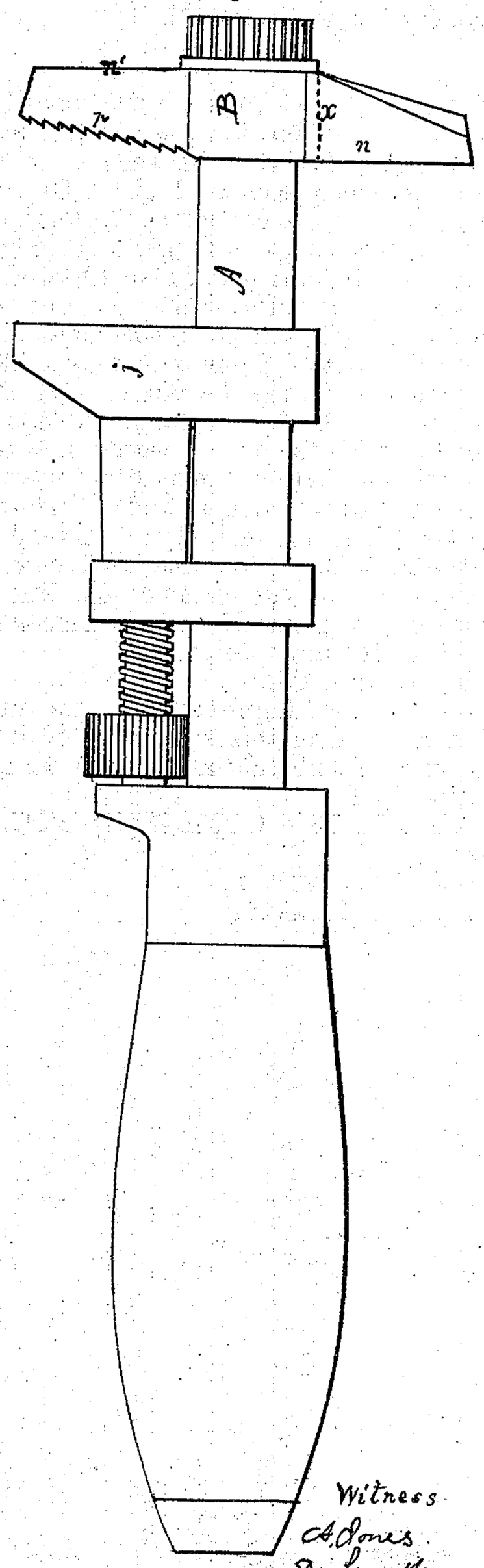
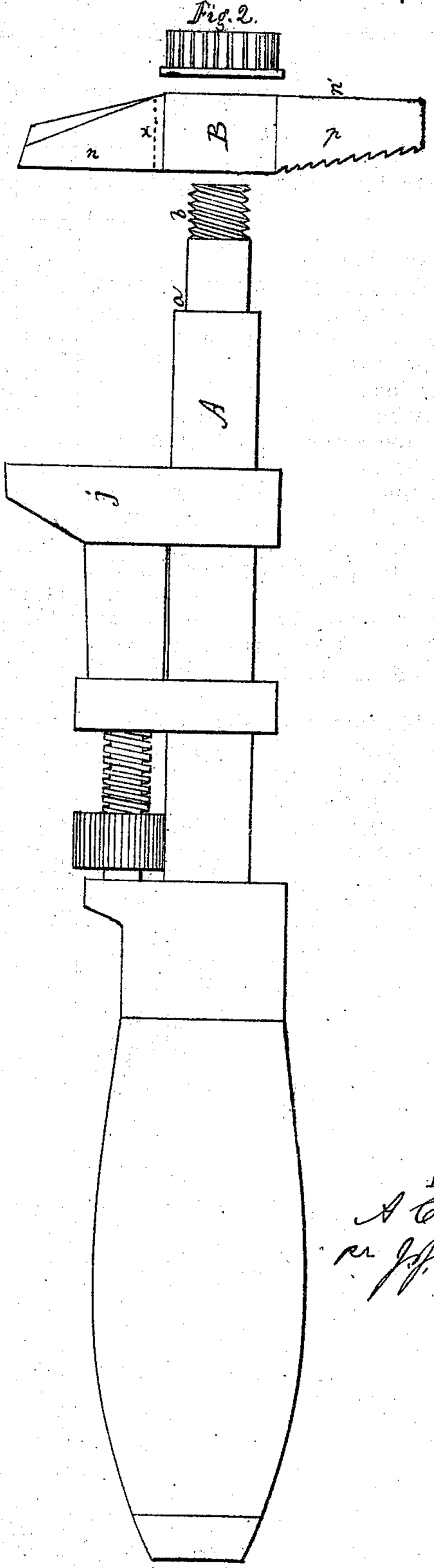



Fig. 2.

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per J. J. Greenough. Atty

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119,265

# UNITED STATES PATENT OFFICE.

ANTHONY CUMBERWORTH, OF TORONTO, CANADA, ASSIGNOR TO HIMSELF AND WILLIAM D. LITTLE, OF SYRACUSE, NEW YORK.

## IMPROVEMENT IN WRENCHES.

Specification forming part of Letters Patent No. 119,265, dated September 26, 1871.

*To all whom it may concern:*

Be it known that I, ANTHONY CUMBERWORTH, a citizen of the United States, now residing in Toronto, Canada, have invented a new and Improved Nut and Pipe-Wrench, of which the following is a specification:

The object of my invention is to provide a combined nut and pipe screw-wrench, that can be made cheap, light, efficient, and strong; to effect which I form the wrench like an ordinary screw or monkey-wrench of the most approved pattern, varying the construction only in the head or stationary jaw, as clearly seen in the drawing, in which—

Figure 1 is a side view of the wrench put together as a pipe-wrench; Fig. 2, the same, with the head detached and in position to be put on as a nut-wrench.

The shank, movable jaw and screw, and handle are made, as aforesaid, in any of the ordinary ways; but the shank A is formed at its end with a shoulder, *a*, to receive the stationary head or jaw B, beyond which the shank is rounded, and a screw-thread, *b*, is cut on it to receive a nut that holds the stationary head firmly to the shank. The head or stationary jaw B is made separately from the shank, with a hole through its center to fit the shoulder *a* so as not to turn on it. The face *p* of head B inclines backward from a right angle to the shank, so as to leave the space between it and the movable jaw *j* somewhat narrower at the shank than it is between the ends of the jaws, as clearly seen in Fig. 1. On this inclined face grooves are cut across it, like those on ordinary pipe-wrenches or tongs, to seize and hold the pipe from turning, and cause it to wedge into the wrench as it turns. The face *n* of the head is made at right angles to the shank and parallel with the face of the movable jaw. The head, being reversible, can be put on with the face *p* or *n* opposite the face of the movable jaw, and fastened on with the nut *s* screwed onto the screw *b* on the shank; or it may be otherwise firmly fastened in any convenient and well-known way—such as a draw-pin or wedge. Instead of reversing the stationary reversible jaw B end for end, the end *n* may be cut off at dotted line *x*, and the face of jaw *p* turned with its face *n'* in toward jaw *j* for the nut-wrench.

I claim as my invention—

The above-described improved pipe and nut-wrench, having a reversible stationary head or jaw, B, constructed substantially as and for the purposes described.

ANTHONY CUMBERWORTH.

Witnesses:

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