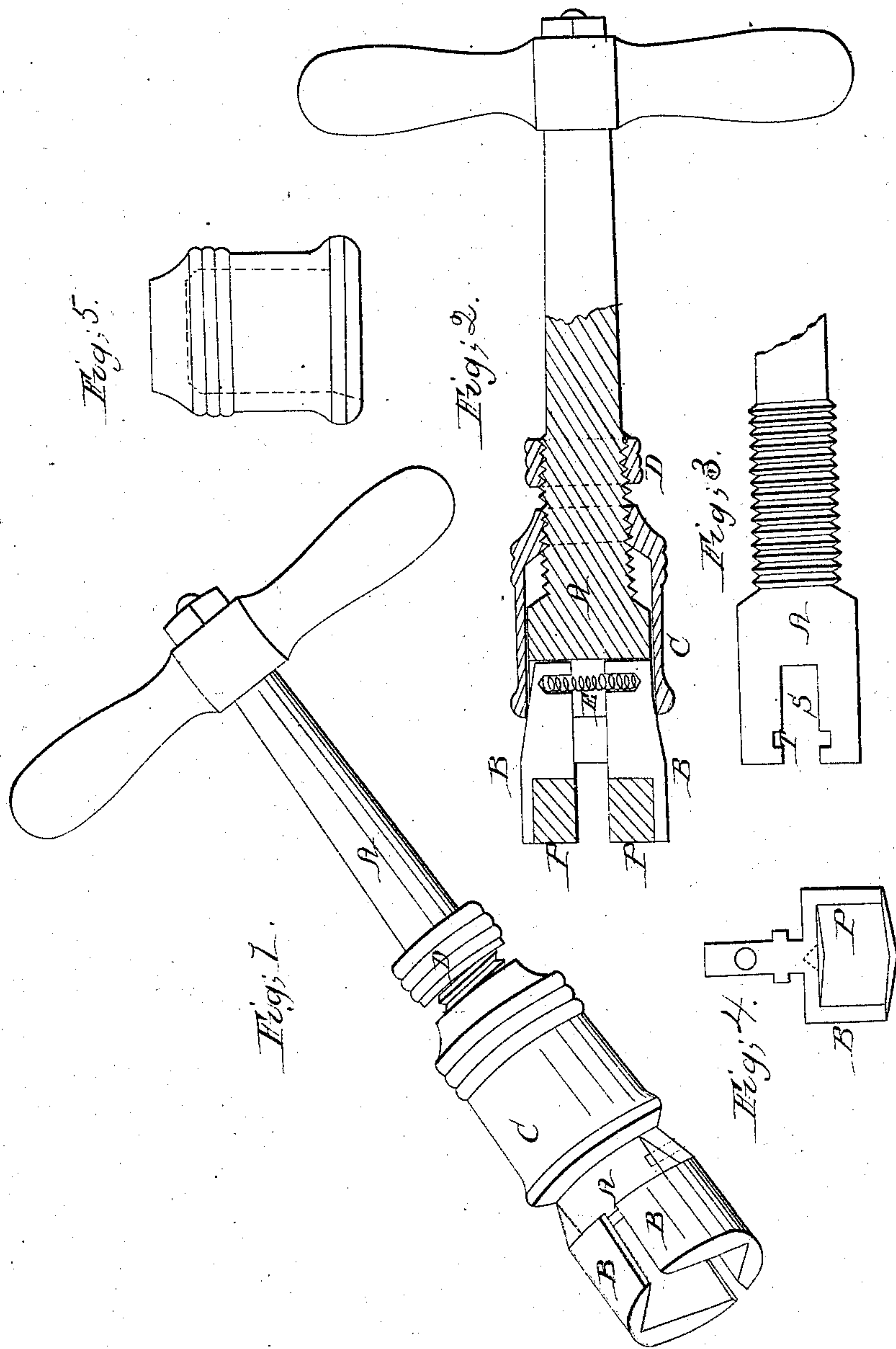


*A. Sedgwick,*

*Wrench.*

*N<sup>o</sup> 58,306.*

*Patented Sep. 25, 1866.*



# UNITED STATES PATENT OFFICE.

ALONZO SEDGWICK, OF POUGHKEEPSIE, NEW YORK.

## IMPROVED ADJUSTABLE WRENCH.

Specification forming part of Letters Patent No. 58,306, dated September 25, 1866.

*To all whom it may concern:*

Be it known that I, ALONZO SEDGWICK, of Poughkeepsie, in the county of Dutchess and State of New York, have invented a new and Improved Socket or Box Wrench; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists of a socket or box wrench made adjustable by means of sliding jaws having a V or angle shaped recess, so arranged as to converge to and recede from the center of the shank or stem of the wrench, so as to receive bolt-heads or nuts of various sizes; but to describe my invention more fully I will refer to the accompanying drawings, forming a part of this specification, the same letters of reference, wherever they occur, referring to like parts.

Figure 1 is a perspective view of the wrench. Fig. 2 is a section of the wrench through the center, and shows the arrangement of the parts. Fig. 3 represents the shank. Fig. 4 is one of the jaws; Fig. 5, the sleeve.

I provide a shank or stem, A, enlarged at the socket end, having a slot, S, and groove T through the end, as in Fig. 3, jaws B B, having at one end a V or angle shaped recess, P, Fig. 4, and a taper shank, as shown at B, Fig. 2, so constructed as to fit the slot and groove, as in Figs. 2 and 4, and which are placed therein, as in Figs. 1 and 2. By means of the groove T the jaws are held firmly on a line with each other.

C, Fig. 5, is a sleeve, enlarged at one end to fit the outside taper of the jaws, and contracted at the other end, containing a female screw fitting a male screw on the shank, as shown in Fig. 2, the sleeve being turned on the shank so as to move toward the end by means of the screw, which embraces a larger diameter of the jaws, and causes them to converge toward the center, and holds them firmly in their place, the V or angle shaped recess forming a smaller aperture for the reception of a bolt-head or nut. On turning the sleeve the opposite way, or backing, it allows the jaws to recede from the center, they being kept apart and against the rim of the sleeve by means of a spring, E, as shown in Fig. 2. This enables the jaws to receive a larger bolt-head or nut. A cheek-nut, D, is also screwed on the thread of the shank to determine the movement of the sleeve. A suitable handle is then fixed on the end of the shank for turning the wrench.

Having now described my invention, I will proceed to set forth what I claim and desire to secure by Letters Patent of the United States.

I claim—

The slotted shank having a groove, T, in combination with the jaws B B, constructed and arranged as described.

ALONZO SEDGWICK.

Witnesses:

WM. VAN ANDEN,  
WALTER C. ALLEN.