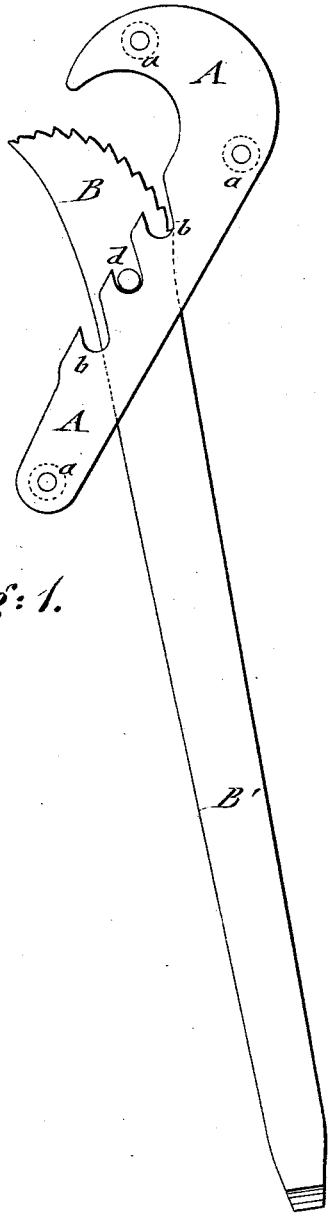


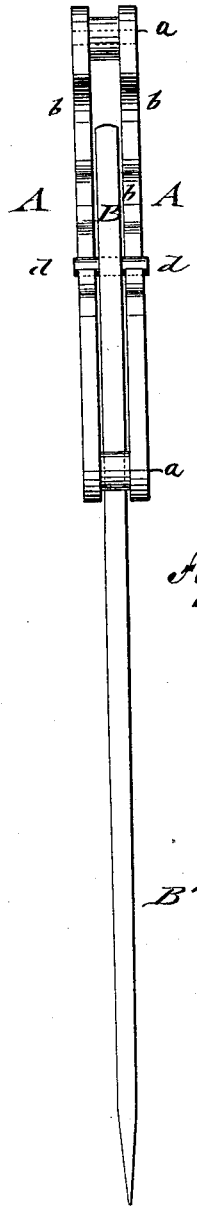
C. STATES & H. I. COOK.  
PIPE-TONGS.

No. 190,523.

Patented May 8, 1877.



*Fig: 1.*



*Fig: 2.*

WITNESSES:

*Chas. Nida*  
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INVENTOR'S

*C. States*  
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ATTORNEYS.

# UNITED STATES PATENT OFFICE.

CHRISTIAN STATES AND HARRY I. COOK, OF TOPEKA, KANSAS.

## IMPROVEMENT IN PIPE-TONGS.

Specification forming part of Letters Patent No. **190,523**, dated May 8, 1877; application filed March 24, 1877.

*To all whom it may concern :*

Be it known that we, CHRISTIAN STATES and HARRY I. COOK, of Topeka, in the county of Shawnee and State of Kansas, have invented a new and Improved Combined Pipe-Tongs, Wrench, and Screw-Driver, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side view, and Fig. 2 an end view, of our improved pipe-tong, wrench, and screw-driver.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved tool that combines in a simple and effective manner the advantages of a pipe-tong, wrench, and screw-driver; and it consists of a double jaw, with curved end and notches, in connection with a single jaw and lever sliding in the double jaw, and having projecting pivot-pins for entering into the notches.

In the drawing, A represents a double jaw or clamp, that is curved at one end to extend around a pipe, bar, or nut, and laterally connected by rigid stay-pins *a*. The longer part of the double jaw A is provided with notches *b*, into which the pivot-pins *d* of a single jaw, B, enter. The single jaw B slides in the double jaw A, and is made at the clamping end in eccentric form, and toothed at the curved part to bind on the article to be operated upon.

The single jaw B is provided with a handle,

B', that extends to suitable length back of the pivot-pins *d*, pressure being applied to the handle whenever the pins are seated in the proper notches, so that a strong and firm hold is exerted by the jaws on the pipe or round bar to be screwed or unscrewed.

The lower end of the handle B' is made tapering, to be used as a screw-driver, in which case the single jaw is drawn out, and the double jaw put on in reversed position on the single jaw, so as to form a handle for applying the lower end of the handle B' to the screws.

The jaws of the implement may be reversed, and the curved jaw be made single, and the longer straight jaw double; or the notches of the curved jaw may be on the opposite side, which changes, however, are only equivalent constructions to the one shown in the drawing.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The two jaws A A, rigidly connected by studs *a*, and provided with oblique notches *b*, in combination with an intermediate single jaw, B, having side pins *d d*, as and for the purpose specified.

CHRISTIAN STATES.  
HARRY I. COOK.

Witnesses:

JOHN GUTHRIE,  
GEO. S. BROWN.