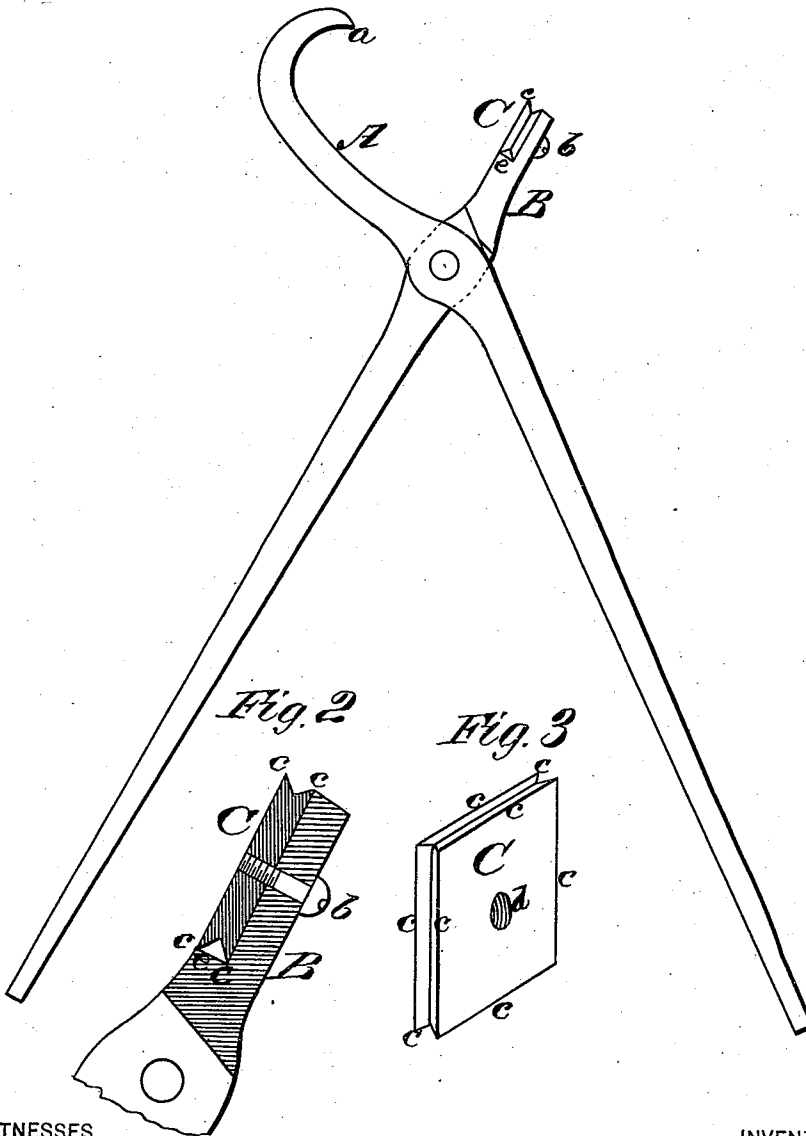


A. E. GAY.
PIPE-TONGS.

No. 187,265.

Patented Feb. 13, 1877.

Fig. 1



WITNESSES
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UNITED STATES PATENT OFFICE.

ARTHUR E. GAY, OF NASHUA, NEW HAMPSHIRE.

IMPROVEMENT IN PIPE-TONGS.

Specification forming part of Letters Patent No. **187,265**, dated February 13, 1877; application filed October 10, 1874.

To all whom it may concern :

Be it known that I, ARTHUR E. GAY, of Nashua, in the county of Hillsborough and State of New Hampshire, have invented a new and valuable Improvement in Pipe-Tongs; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a plan view of my pipe-tongs, and Figs. 2 and 3 are detail views of the same.

This invention has relation to instruments which are known as pipe-tongs, and which have one hooked embracing-jaw and one straight jaw formed on pivoted handles.

The nature of my invention and improvement on pipe-tongs of the kind above named consists in the employment of a rectangular reversible jaw-block adapted to the straight jaw of the tongs, and so applied to such jaw that eight angular wearing-surfaces can be adjusted in position for use at pleasure, as will be understood from the following description.

In the annexed drawings, A designates the hooked grasping-jaw, which may be of the usual well-known form, with a point, *a*, for giving the bite. B designates the straight jaw of the tongs, the end of which has a recess formed in it adapted to receive a square block, C, as shown in Figs. 1 and 2. This block is

secured to the jaw B by means of a screw, *b*, the hole for which is made centrally through the block, so that it will have a bearing on the shoulder *c*, whichever edge is presented for use. The four edges of the block C are angularly grooved, which grooves leave eight acute working-edges, *e*, any one of which can be adjusted in a position to co-operate with the hook A in turning a pipe. When one edge has been dulled another edge can be brought into play, and when the eight edges have been dulled the block C can be readily removed from its jaw and a new one substituted at small cost.

What I claim as new, and desire to secure by Letters Patent, is—

1. The block C, provided with angular recesses *c* and female screw-thread *d*, substantially as and for the purpose set forth.

2. The perforated block C, provided with angular recesses *c* and female screw-thread *d*, in combination with recessed jaw B and curved grasping-arm A, provided with biting-point *a*, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ARTHUR E. GAY.

Witnesses:

WALTON S. EMERSON,
L. S. BRACKETT.