

A. KOTZUM.  
Pipe-Tongs.

No. 148,889.

Patented March 24, 1874.

Fig. 1

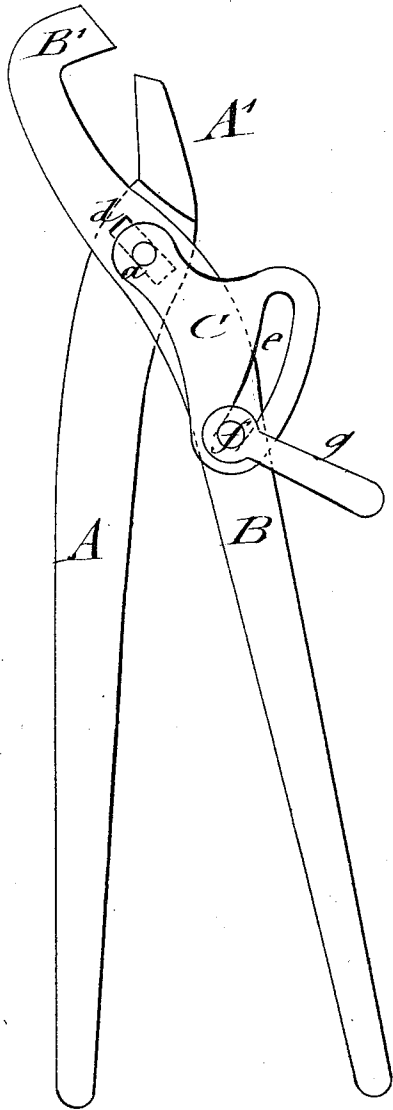
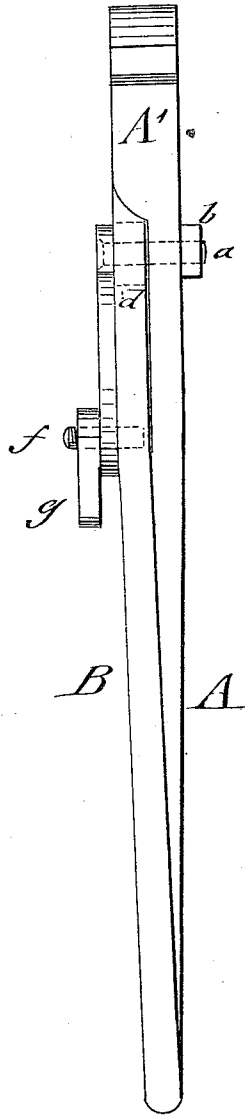


Fig. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN PIPE-TONGS.

Specification forming part of Letters Patent No. **148,889**, dated March 24, 1874; application filed January 24, 1874.

*To all whom it may concern:*

Be it known that I, ANTON KOTZUM, of the city, county, and State of New York, have invented a new and Improved Pipe-Tongs, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front view, and Fig. 2 an end view, of my improved pipe-tongs.

Similar letters of reference indicate corresponding parts.

The object of my invention is to produce a simple, durable, and very effective pipe-tongs, which may be quickly adjusted to pipes of various sizes and firmly retained in the required width. My invention consists of jaws with lever-handles of the usual shape, of which one slides upon a pivot in a slot in the other, for adjusting it to the width of the pipes, and is firmly fastened in the required position by a slotted piece of the pivot, guide-pin, and clamping-screw.

In the drawing, A represents the lower handle, with shorter jaw A, and B the upper handle, with longer angular jaw B', which are made of the usual shape, and of any suitable size to be applied to pipes of various diameters. The lower-jaw lever A is provided with a pivot-pin, *a*, with nut *b*, which passes through a slot, *d*, of the upper lever or handle B, so as to slide and swing freely thereon. A guide-

piece, C, is firmly attached to pivot-pin *a*, moves along the upper lever B, and slides, by an inclined slot, *e*, of its broader end, along a screw-pin, *f*, of lever B, simultaneously with the sliding of pin *a* in slot *b* produced by the adjustment of the jaws to the pipes. The guide-piece C is firmly clamped on lever B after the jaws are adjusted by a screw nut or lever, *g*, which produces the exact and rigid fixing of the pivot for a certain width of pipe, while allowing at the same time the easy swinging of the lever on the same. The tongs is thereby easily and readily adjusted, and firmly and securely retained in that position during use, forming thus a simple, cheap, and time-saving-tool for pipe-workers.

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

The combination, in the manner described, of arc-slotted guide-piece C, having pin *a*, the part B, slotted and having threaded stud *f*, and the clamp-bar *g*, for the purpose of allowing the part A A' to be adjusted and clamped at any point of adjustment.

ANTON KOTZUM.

Witnesses:

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