

(No Model.)

R. E. WILLIAMS.

PIPE WRENCH.

No. 328,167.

Patented Oct. 13, 1885.

Fig. 1.

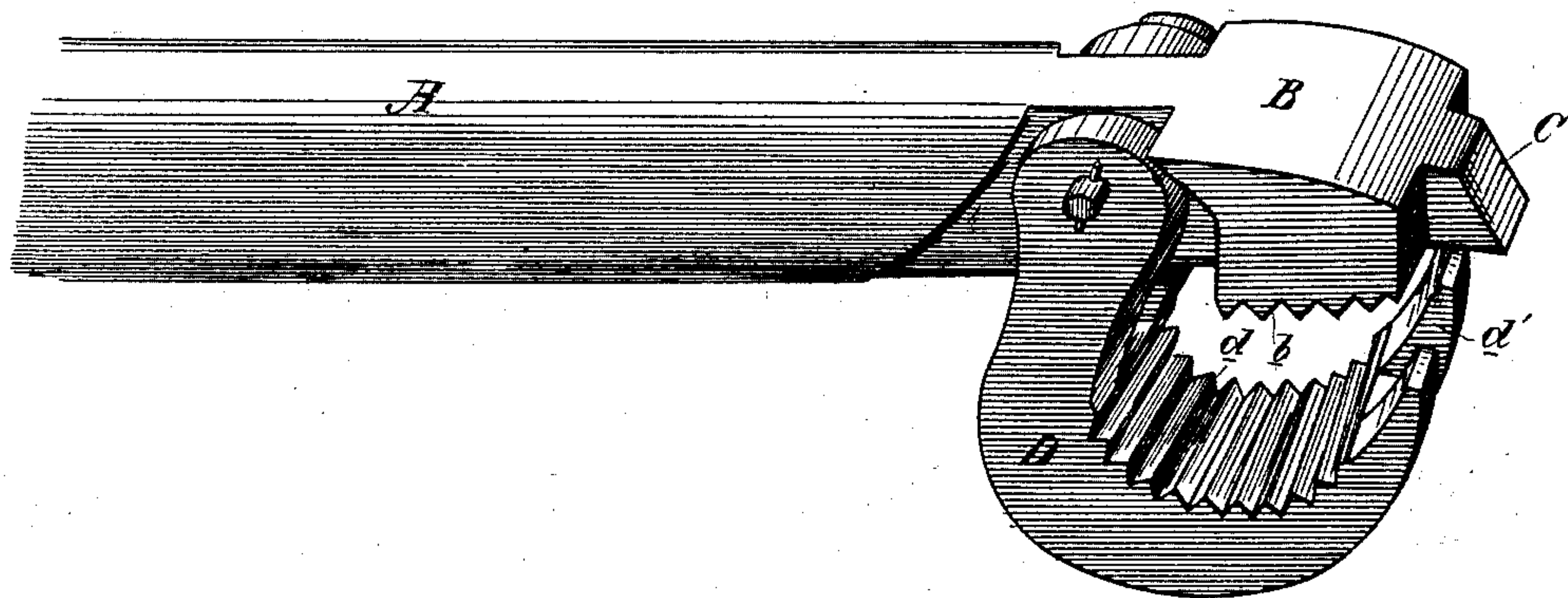
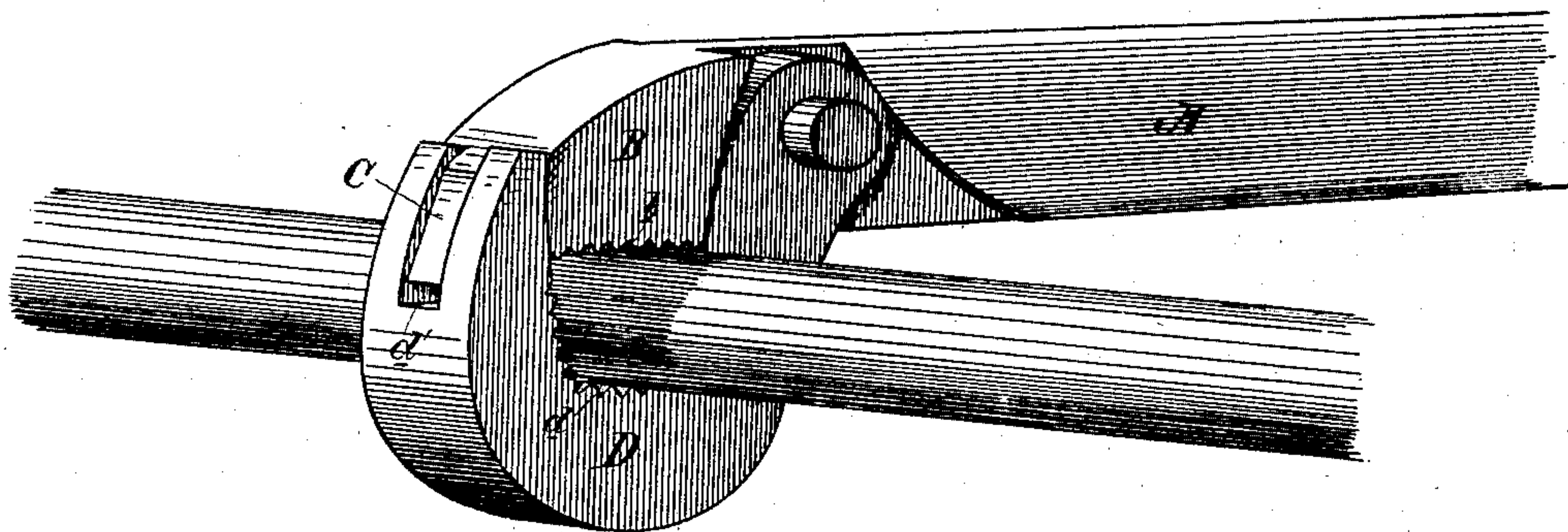


Fig. 2.



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UNITED STATES PATENT OFFICE.

RICHARD EXELBY WILLIAMS, OF MODESTO, CALIFORNIA.

PIPE-WRENCH.

SPECIFICATION forming part of Letters Patent No. 328,167, dated October 13, 1885.

Application filed July 27, 1885. Serial No. 172,796. (No model.)

To all whom it may concern:

Be it known that I, RICHARD E. WILLIAMS, of Modesto, Stanislaus county, State of California, have invented an Improvement in
5 Pipe-Wrenches; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to that class of pipe-wrenches in which a curved corrugated jaw
10 is pivoted to a stock or handle and works in connection with a fixed corrugated jaw on the end of the stock or handle, as I shall hereinafter describe.

My invention consists in the novel arrangement of the two jaws and in an improvement
15 by which they are guided and held in a true position when in operation.

The object of my invention is to provide a simple and effective pipe-wrench.

20 Referring to the accompanying drawings, Figure 1 is a perspective view of my pipe-wrench. Fig. 2 is a view showing its application.

A is the handle or stock forming the lever
25 of the wrench. Its forward end is thickened and formed in a jaw, B, provided with transverse corrugations *b* or serrations on its inner face. The forward end of the jaw is provided with a lug, C.

30 D is a curved jaw or hook, provided with corrugations or serrations *d*. Its rear end is slotted and pivoted on the handle or stock A

just back of the jaw B, while its forward end is slotted or grooved at *d'*, and adapted to fit over the lug C on the fixed jaw.

In operating the wrench the curved jaw or
hook grasps the pipe from below, while the
fixed jaw comes down upon it from above, its
lug C fitting into the slotted front of the jaw
D. The engagement of the lug and slot guides
40 and holds the fixed jaw in a true position and prevents the handle from twisting the rear portion of the hook D where it is pivoted.

Both jaws are of the same thickness, and lie
flush with each other, so that the wrench will
45 have a good grip on a short pipe.

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

A pipe-wrench consisting of the handle or
50 stock A, the fixed jaw B on its forward end, and the lug C on the forward end of the jaw, the curved hook or jaw D, slotted and pivoted on the handle at its rear end and having its forward end slotted or grooved, adapting it to fit
55 and engage the lug C, substantially as herein described.

In witness whereof I have hereunto set my hand.

RICHARD EXELBY WILLIAMS.

Witnesses:

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