

No. 638,475.

Patented Dec. 5, 1899.

G. W. ROUSE.
WRENCH ATTACHMENT.

(Application filed Aug. 8, 1899.)

(No Model.)

Fig. 1.

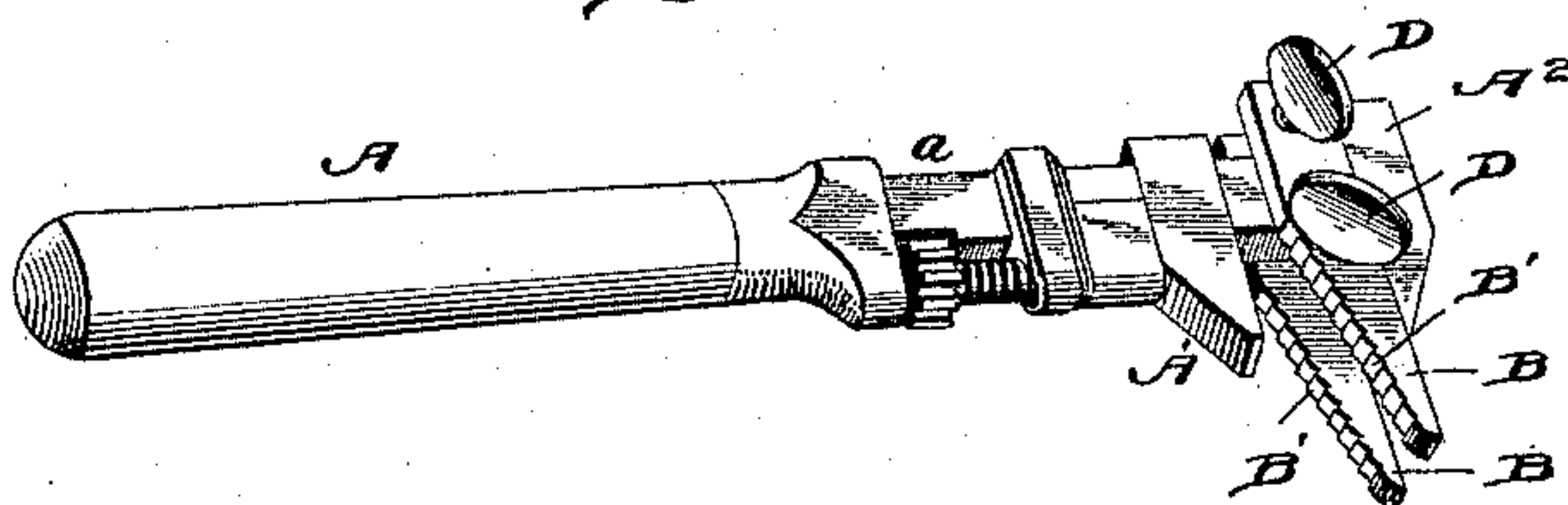


Fig. 2.

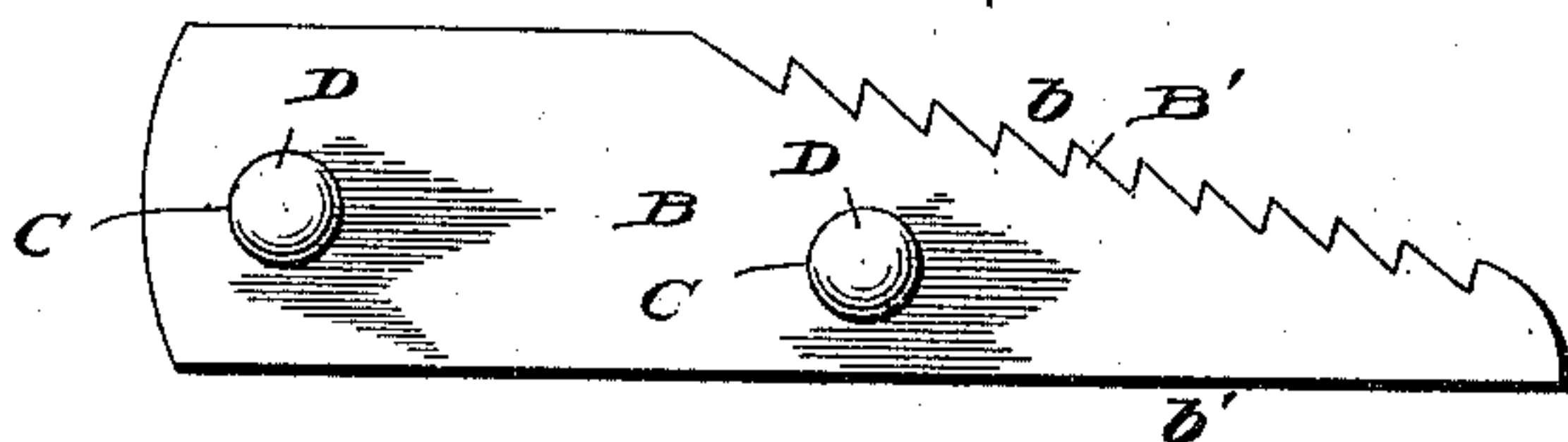
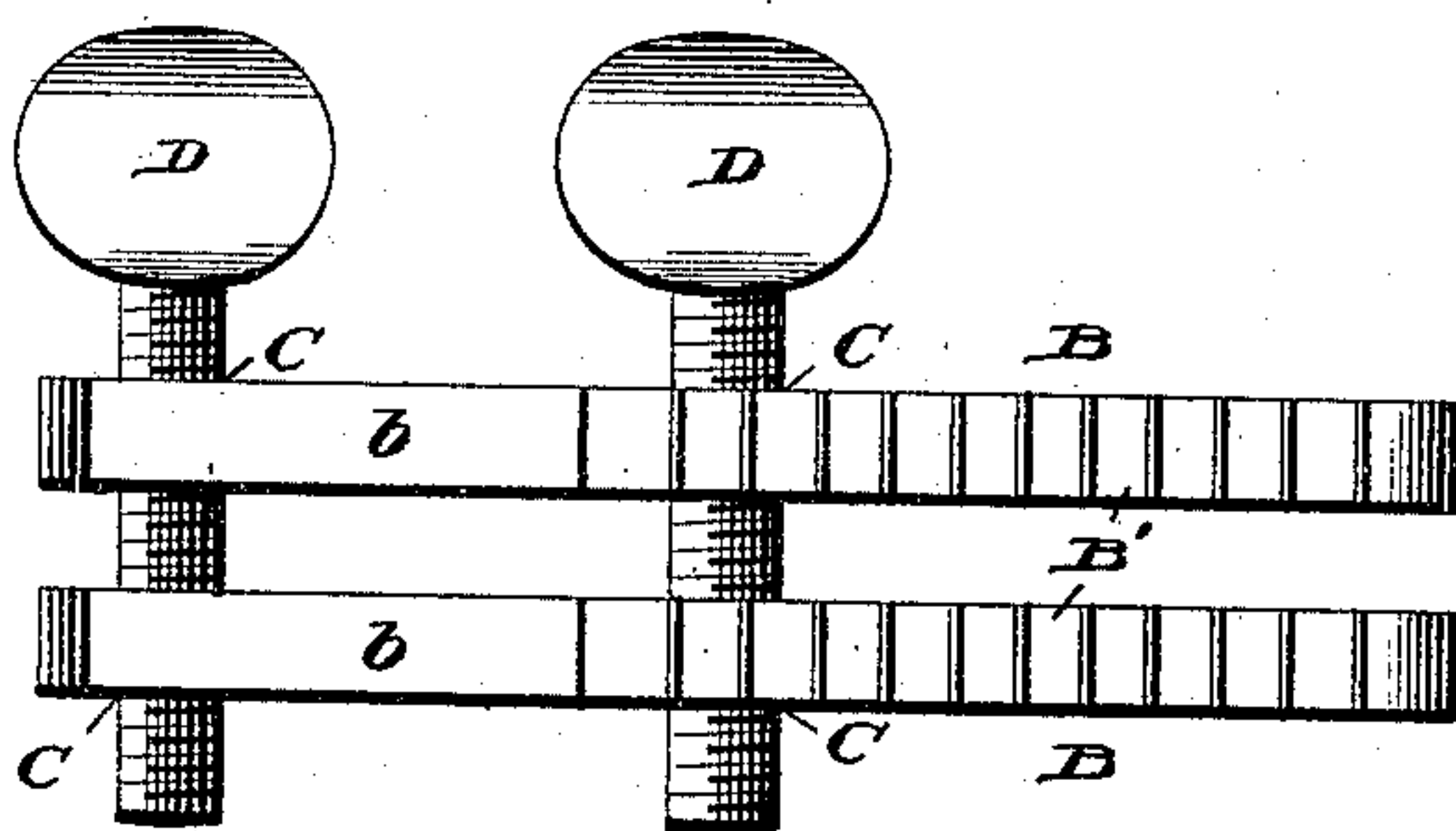


Fig. 3.



Witnesses:

Wm. C. Ashiee
Hubert D. Lawson

Inventor

George W. Rouse

Edson Brod

Attys.

UNITED STATES PATENT OFFICE.

GEORGE W. ROUSE, OF LOWELL, MICHIGAN, ASSIGNOR OF ONE-HALF TO
HENRY G. WEATHERILL, OF ELGIN, ILLINOIS.

WRENCH ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 638,475, dated December 5, 1899.

Application filed August 8, 1899. Serial No. 726,584. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. ROUSE, a citizen of the United States, residing at Lowell, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Wrench Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a new and useful improvement in wrench attachments; and its object is to provide a simple device which may be quickly placed upon a nut-wrench and thereby adapt the same to be used as a pipe-wrench.

To these ends the invention consists of two similar plates, each having a serrated edge and connected by means of thumb-screws, whereby they may be clamped to either side of the shank of an adjustable nut-wrench.

In the accompanying drawings I have shown the preferred form of my invention.

In said drawings, Figure 1 is a perspective view showing my attachment applied to a nut-wrench. Fig. 2 is a plan view of the attachment, and Fig. 3 is an elevation showing the plates attached together.

Referring to said figures by letters of reference, A is a nut-wrench having any suitable means for adjusting the jaw A' upon the shank a.

B B are the plates of the attachment, the edge b of each of said plates being preferably inclined toward the opposite edge b', as shown, and provided with serrations or teeth B'. Each of the plates B is provided with two perforations C, the perforations in one of the plates being threaded to engage with similar threads formed on thumb-screws D, which are adapted to pass through the perforations C in one plate and thence into the threaded perforations of the other plate.

In attaching the device to a nut-wrench the screws D are removed and the plates placed on opposite sides of the shank a and with their straight edges abutting against the fixed jaw A² of the wrench. The thumb-screws are

then placed within the perforations and the plates clamped tightly upon the shank of the wrench, when the latter is in condition for use upon pipes or on similar articles.

A wrench can be quickly changed from a nut-wrench to a pipe-wrench, and vice versa, at a trifling cost.

It is obvious that the heads of the thumb-screws, which serve as a stop for the plate, whose perforations permit it to pass over the threads without engagement therewith, can be placed on opposite sides of the plates; but as this would require one threaded perforation in each plate I prefer to have both threaded perforations in one plate—namely, the plate that is farthest removed from the heads of the thumb-screws—whereby the heads of the thumb-screws are brought nearer together and on the same side of the plates.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

1. A pipe-wrench attachment for a nut-wrench, comprising two serrated plates, thumb-screws each of which is connected with each of said plates, whereby said plates may be firmly clamped to opposite sides of the shank of a wrench, substantially as described.

2. A pipe-wrench attachment for a nut-wrench, comprising two serrated plates, thumb-screws connecting and engaging with threads in each of said plates, whereby they may be clamped to opposite sides of the shank of the wrench, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. ROUSE.

Witnesses:

S. P. HICKS,

LYDIA VAN DEUSEN.