

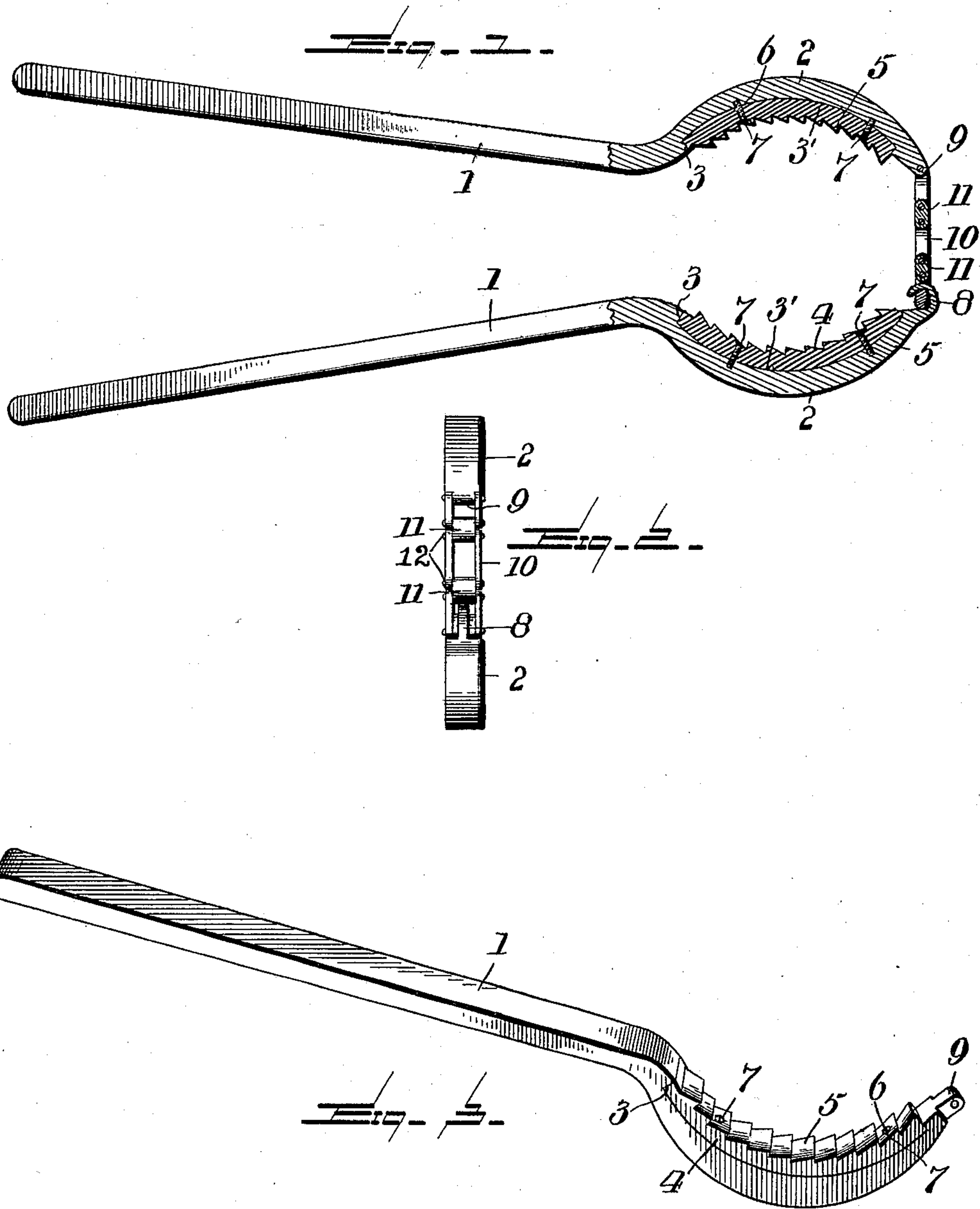
No. 685,655.

Patented Oct. 29, 1901.

W. S. TUBBS.
PIPE WRENCH.

(Application filed Mar. 25, 1901.)

(No Model.)



WITNESSES:

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WILLIAM S. TUBBS, OF AGRA, KANSAS.

PIPE-WRENCH.

SPECIFICATION forming part of Letters Patent No. 685,655, dated October 29, 1901.

Application filed March 25, 1901. Serial No. 52,774. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. TUBBS, a citizen of the United States of America, residing at Agra, in the county of Phillips and State of Kansas, have invented certain new and useful Improvements in Pipe-Wrenches, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain new and useful improvements in pipe-wrenches, and has for its object to produce a wrench which shall be extremely simple in its construction, cheap to manufacture, and durable in its use.

A further object of my invention is to produce a wrench with serrated segments which may be easily replaced by new ones when worn out.

A still further object of my invention is to construct a wrench which can be quickly adjusted to span any sized pipe.

Briefly described, my invention consists of a pair of jaws which have handles made integral therewith, said jaws having their roughened segments removably secured thereto. Furthermore, the said jaws are to be connected by a series of links which can be readily adjusted to suit different-sized pipes.

My invention further consists in the novel details of construction and combination of parts to be clearly described in the following specification and fully set forth in the claims.

Referring to the accompanying drawings, forming part of this application and in which like characters of reference indicate similar parts throughout the several views, Figure 1 is a central longitudinal sectional view of my improved wrench. Fig. 2 is a top plan view thereof, and Fig. 3 is a perspective view of one of the members.

In the drawings the reference-numerals 1 designate the handles of my improved wrench. Said handles may be of any size, shape, or form; but I prefer to use the handles as shown in the drawings. The semicircular jaws 2 are made integral with the said handles and have a cut-away portion, as at 3', forming shoulders 3, against which the segments are adapted to abut.

The reference-numerals 4 designate removable segments which are provided on their

outer surfaces with teeth 5, which are adapted to firmly grasp the pipe. Said jaws have formed therein openings 6, which are countersunk and are adapted to receive screws 7, which engage with a threaded aperture in the semicircular jaws 2 and hold them securely thereto. One of the said semicircular jaws is provided with integral hook 8 and the other of said jaws is provided with an apertured lug 9, made integral therewith. Links 10 are made in the form of an ordinary bicycle-chain link, with the usual apertured lugs 11, in which pins 12 are inserted to hold the parts together. Said lugs are adapted to be engaged by the hook 8. The links are made very flexible, so that they will admit of being turned back upon one another, thus allowing the hook 9 to engage any one of the lugs and shorten the span of the wrench.

It is obvious that with a wrench of my construction it is possible to quickly adjust the same for use on a large or small pipe or other article.

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

1. In a device of the character described, a pair of handles, jaws made integral therewith, a hook made integral with one of said jaws, a perforated lug made integral with the other of said jaws, and adjustable means connected to said lug and to the said hook whereby the span of the wrench can be lengthened or shortened by the disengagement of the said hook and the reengagement of the same to the said means, substantially as described.

2. In a device of the character described, a pair of handles, jaws made integral therewith, a hook made integral with one of said jaws, a perforated lug made integral with the other of said jaws, a series of links connected to the said lug, and removably connected to the said hook, substantially as described.

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

WILLIAM S. TUBBS.

Witnesses:

WM. R. RANDALL,
J. W. TUBBS.