

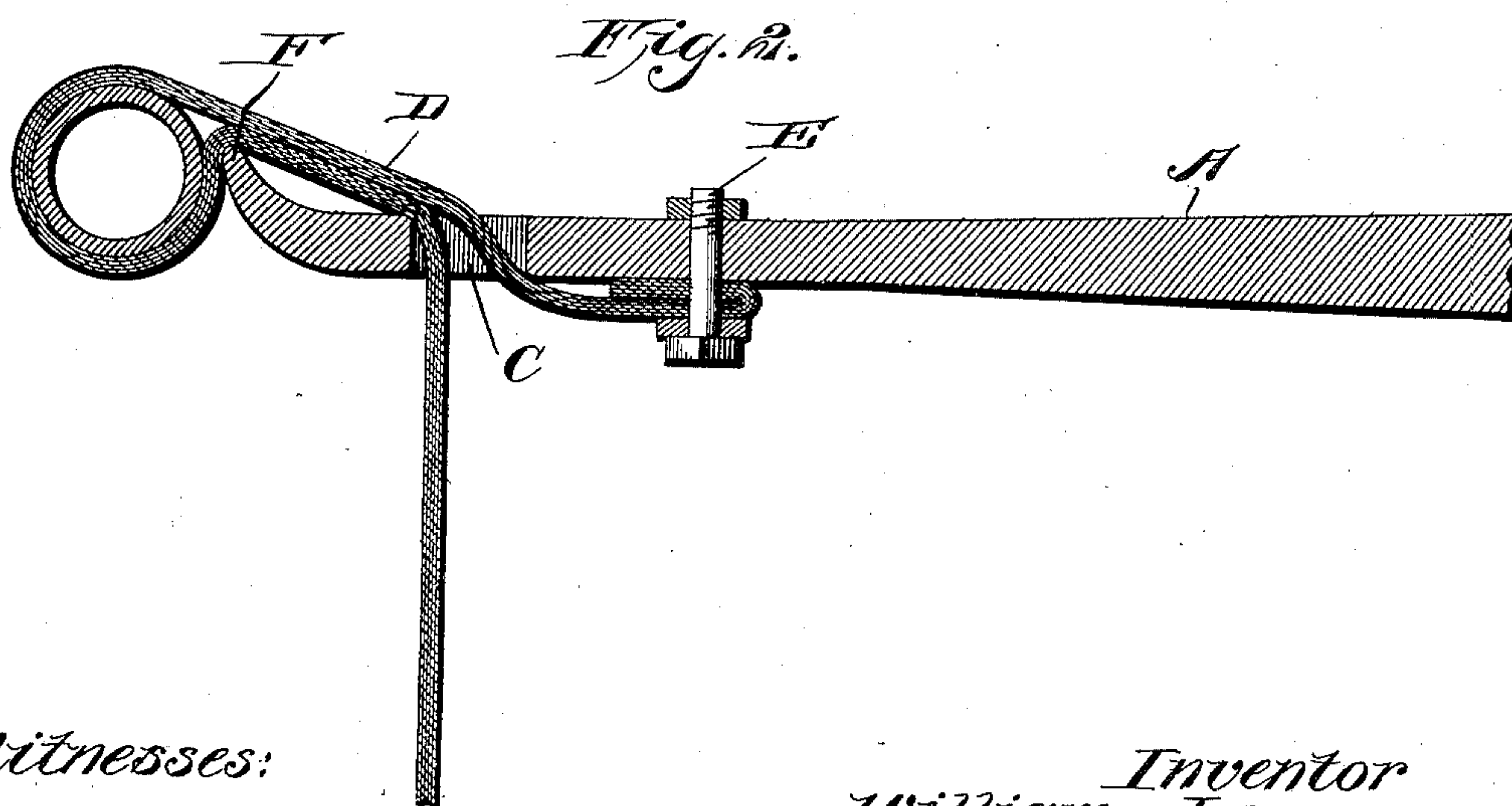
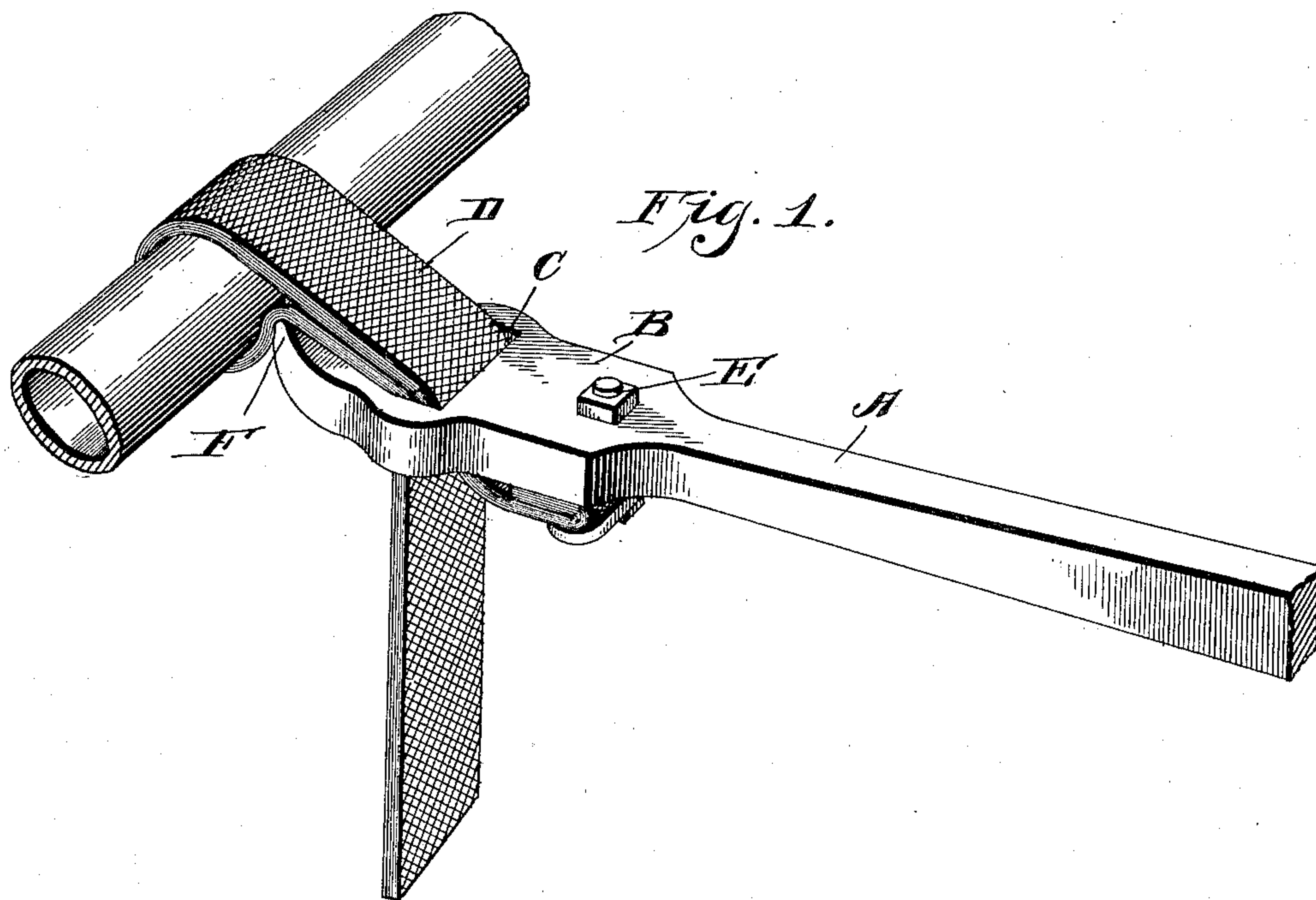
No. 701,489.

Patented June 3, 1902.

W. LOVE.  
PIPE WRENCH.

(Application filed Oct. 14, 1901.)

(No Model.)



Witnesses:

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# UNITED STATES PATENT OFFICE.

WILLIAM LOVE, OF BRYN MAWR, PENNSYLVANIA.

## PIPE-WRENCH.

SPECIFICATION forming part of Letters Patent No. 701,489, dated June 3, 1902.

Application filed October 14, 1901. Serial No. 78,574. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM LOVE, a citizen of the United States, residing at Bryn Mawr, county of Montgomery, and State of Pennsylvania, have invented a certain new and useful Improvement in Pipe-Wrenches, of which the following is a specification.

My invention relates to a new and useful improvement in pipe-wrenches, and has for its object to provide a pipe-wrench which is adapted to grasp a polished pipe, tube, or rod and grip the same for the purpose of turning such object or holding the same against turning and at the same time preventing it from being marred or disfigured in any manner no matter how highly polished the object may be.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of the wrench and a portion of the tube being gripped by the same; Fig. 2, a longitudinal sectional view of Fig. 1.

In the drawings, A represents the handle of the wrench, which has formed upon one end the enlargement B. Through this enlarged portion is formed a slot or opening C.

D is a flexible strip of webbing or other material, which is secured to the handle A by means of the bolt E, and this strip D then passes upward through the opening C, and after being passed around the object to be gripped is again passed backward through the opening, and then after being arranged at the proper length by pressing downward upon the handle A the nose F, formed upon the forward end of the wrench, will be forced upward against the lower strand of the strip D and cause the strip to grip the pipe or other object tightly. Then by continuing the pressure downward the pipe or rod may be turned, or by holding the wrench stationary

it may be held against turning, as the case may be. For the purpose of facilitating the gripping power of the band or strip D the same may be sprinkled with powdered rosin from time to time.

The advantage of my invention is that a highly-polished tube or rod may be gripped with my pipe-wrench and said rod or tube either turned or held against turning without marring the surface of the same; and a further object of my wrench is that a tube of very thin material, although it may be gripped by the wrench sufficiently tight to turn the same, the said tube will not be crushed as with an ordinary pipe-wrench; and a further object of my invention is that it consists of few parts, and is therefore comparatively cheap to manufacture and very durable and efficient in operation, and as the flexible strip becomes worn the same may be replaced quickly and easily.

Of course I do not wish to be limited to the exact construction here shown, as slight modifications could be made without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is—

A pipe-wrench comprising a handle portion, the forward end of said handle portion being curved upward to form the contact point or nose F, an opening formed through the handle portion at the forward part thereof, a strip of flexible material secured to the under side of the handle portion at a point in the rear of the opening, a bolt passing upward through the flexible strip and through the handle portion and having a nut threaded upon its upper end for the purpose of securing the strip to the handle, said strip passing from its point of securement upward through the opening around the object to be gripped and back again through the opening, substantially as and for the purpose specified.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

WILLIAM LOVE.

Witnesses:

L. W. MORRISON,  
H. B. HALLOCK.