

T. B. REID.  
HOSE COUPLING.  
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911,840.

Patented Feb. 9, 1909.

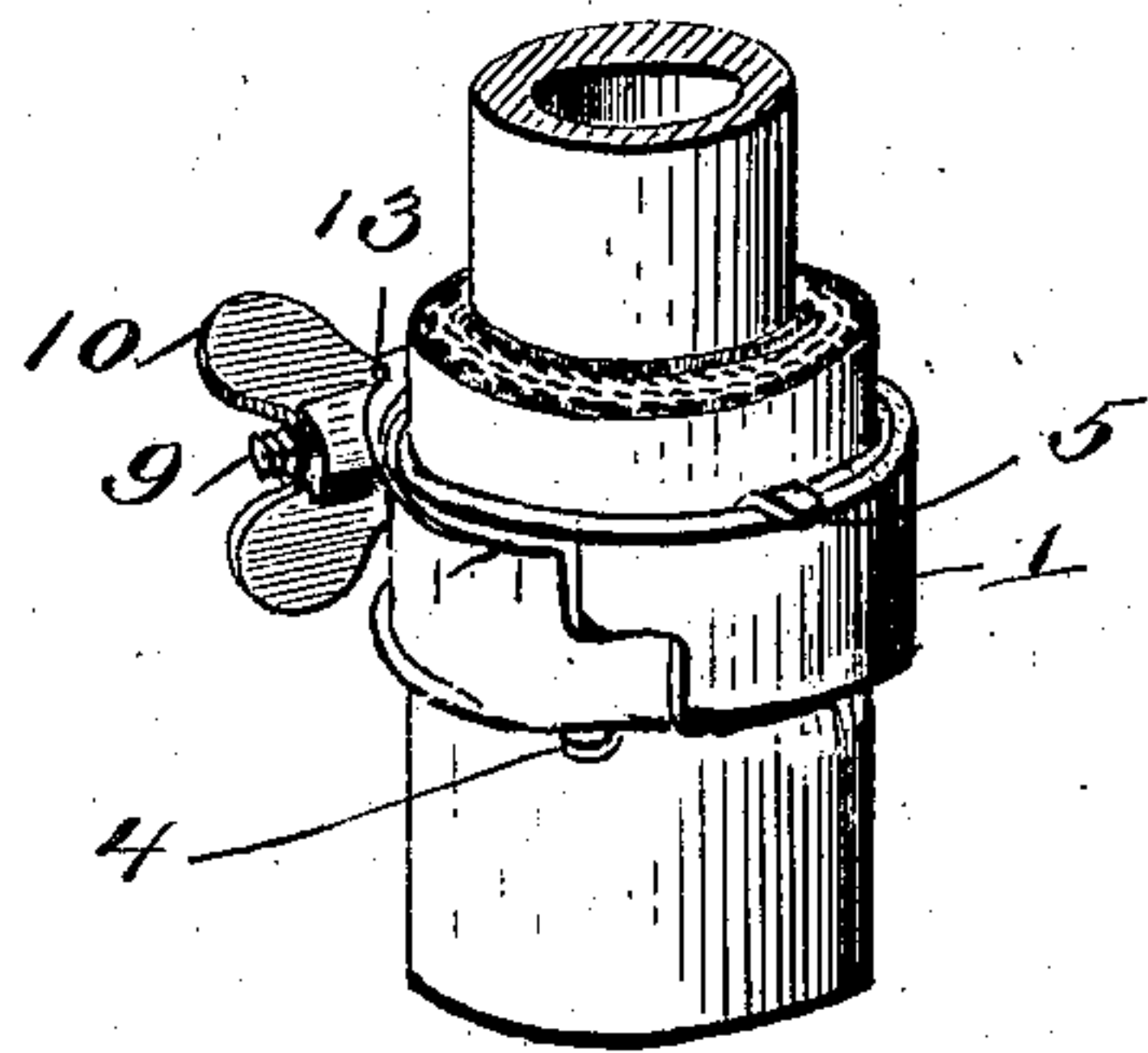


Fig. 1.

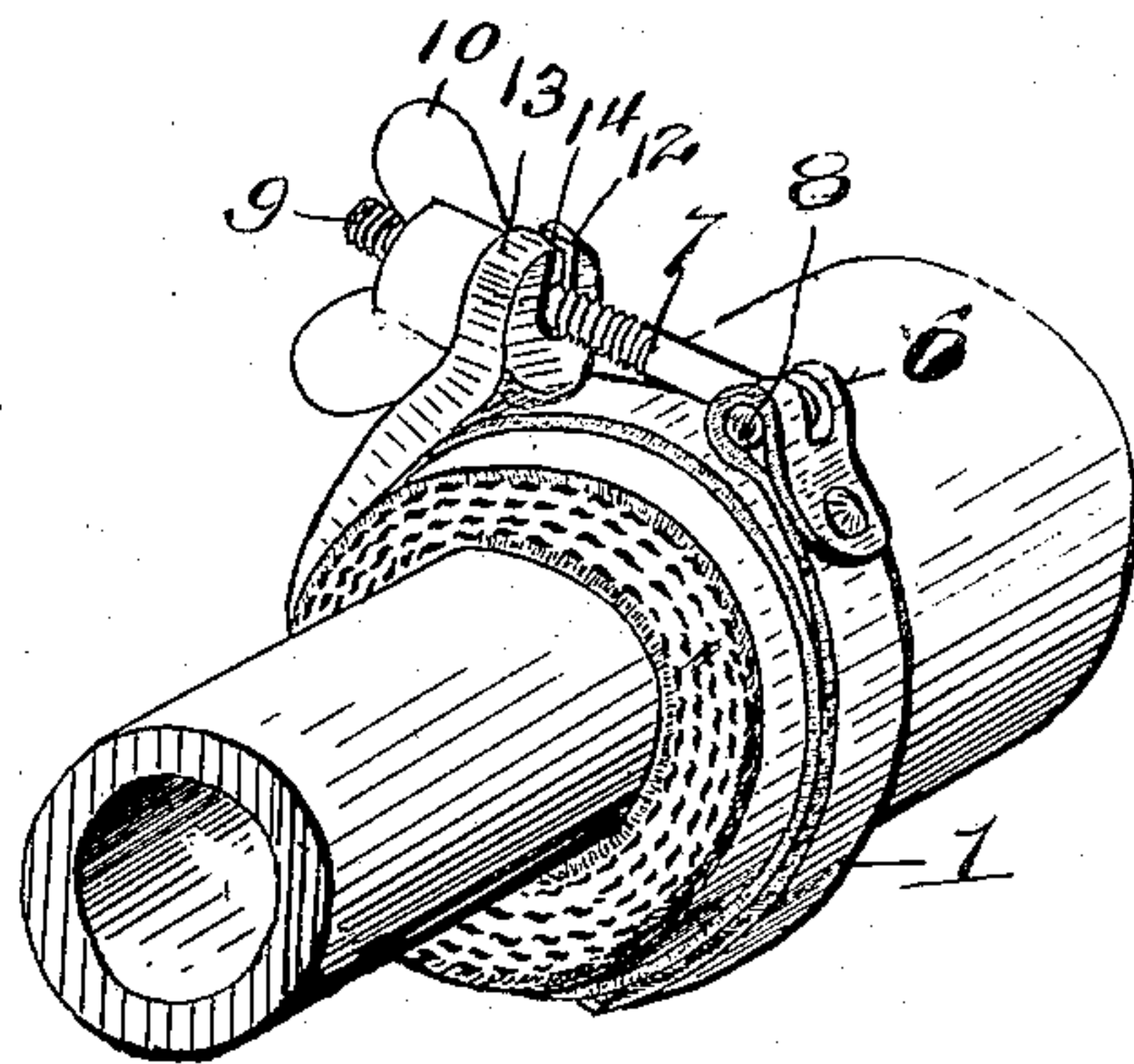


Fig. 2.

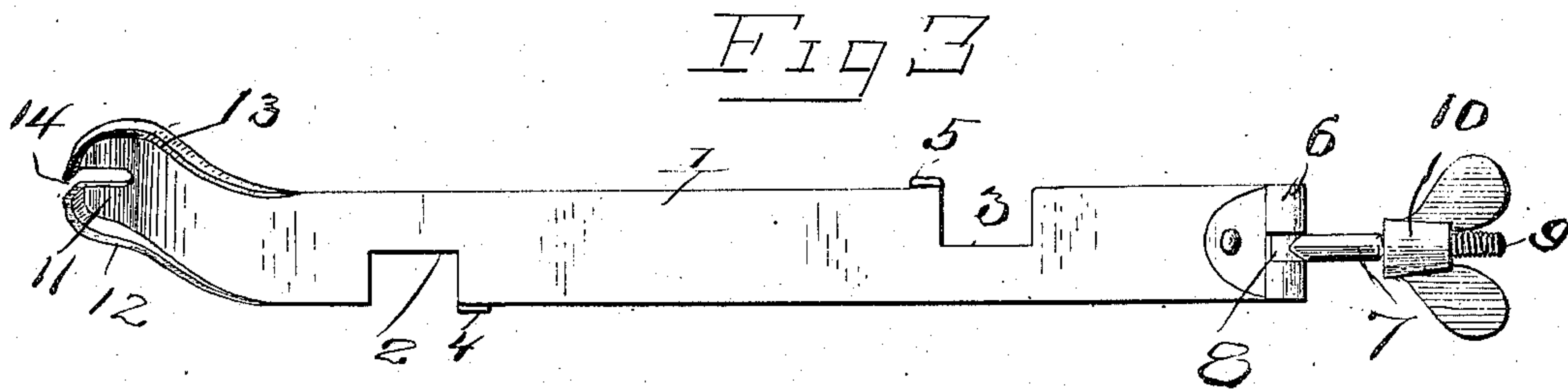


Fig. 3.

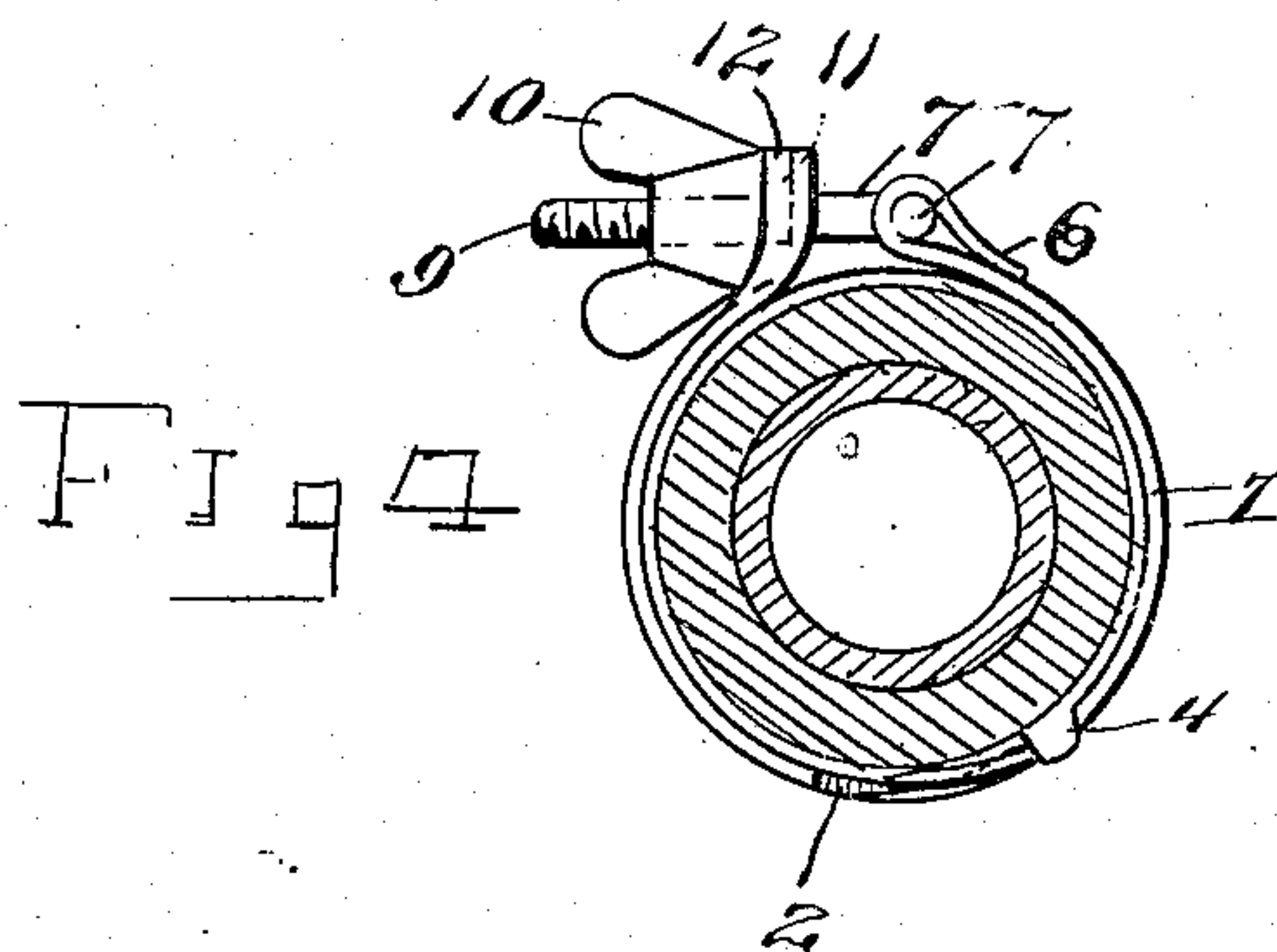


Fig. 4.

Witnesses  
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# UNITED STATES PATENT OFFICE.

THOMAS B. REID, OF MORRISTOWN, NEW JERSEY.

## HOSE-COUPLING.

No. 911,840.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed February 16, 1907. Serial No. 357,676.

*To all whom it may concern:*

Be it known that I, THOMAS B. REID, a citizen of Canada, residing at Morristown, in the county of Morris and State of New Jersey, have invented certain new and useful Improvements in Hose - Couplings; 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 improvements in hose couplings or clamps, and particularly to means for securing elastic hose to a metallic pipe or a nozzle to an elastic hose.

The object in view is the production of a clamp that will tightly contact with the hose around the entire periphery thereof, and means for readily applying and removing the same.

With these and other objects in view the invention comprises certain novel constructions, combinations and arrangements of parts as will be hereinafter more fully described and claimed.

In the accompanying drawings:—Figure 1 represents a perspective view of the present invention in its applied position, showing the point of crossing of the strip forming part of the invention. Fig. 2 is a perspective view of the present invention showing the tensioning means, the same being shown in connection with a pipe and hose. Fig. 3 is a top plan view of a clamp formed according to the present invention, showing the same in connection with a pipe and hose. Fig. 4 is a plan view of the clamp in an extended or flat position.

In the manufacture of my clamp, I have provided a strip 1 which is adapted to encircle the tube and pipe substantially twice, and then be brought under tension for holding the tube in position.

Referring more particularly to Fig. 4 of the drawings, a clasp formed according to the present invention will be seen in an extended position showing the various details of construction. A strip of any desired width may be provided formed with notched or cut-out portions, as 2 and 3, that are adapted to register when brought into an operative position as shown in Figs. 1, 2 and 3. Formed integral with or rigidly secured to strip 1 are retaining or guiding lugs 4 and

5 upon opposite sides of the strip 1 so that when the strip is placed in position upon the hose they will assist in holding the strip in correct relation as clearly seen in Fig. 1. Formed on one end of the strip 1 is a journal or pivotal sleeve 6 in which is pivotally mounted a tension member or bolt 7. The tension member 7 is formed substantially T-shaped and is arranged to have the cross arm 8 freely pivot in sleeve 6. The bolt or tension member 7 is provided with suitable threads 9 on its outer end for accommodating a nut or thumb piece 10. Upon the opposite end to the sleeve 6 is formed a socket or receiving portion 11 into which nut or thumb piece 10 is adapted to fit as clearly seen in Figs. 2 and 3 when the device is applied. The strip 1 is made slightly wider at the end having the socket 11 so that the sides may be bent up at 12 and 13 for forming a reinforcement for socket 10 for assisting socket 10 to resist the nut 11 from bending the same when the tension member 7 is operated for clamping or bringing under tension strip 1. As clearly seen in Figs. 2 and 4 the socket 11 is provided with an elongated slot or aperture 14 through which tension member 7 is adapted to pass. By forming a slot 14 rather than an aperture or hole tension member 7 may be pivotally moved from its position out of the end of the slot without entirely removing the nut 10.

From the foregoing description of my invention, it will be seen that the recesses 2 and 3 are formed, as are also the related lugs 4 and 5, at such points in the length of the strip as to prevent separation or lateral displacement of the coils of the strip at that point at which such separation is most likely to occur and that further I have provided means for effectually preventing slipping of the bolt 7 from the slot 14 in one end of the strip.

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

1. A device of the class described comprising a band formed with a slot which opens through one extremity thereof, the said band having its side and end edges stamped up at its said end to form flanges which extend along the said edges of the band to each side of the slot therein, a bolt pivoted to the band at the other extremity thereof, and a nut en-



gaged upon the bolt, the said nut being formed with a body portion which is circular in outline and which seats directly against the slotted end of the band and engages at its periphery with the flanges.

2. A device of the class described comprising a band having at its ends means for clamping it around a body, the said band being formed in opposite side edges with notches

and at each edge and to one side of each notch with a stamped up guide lug.

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

THOMAS B. REID

Witnesses:

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