

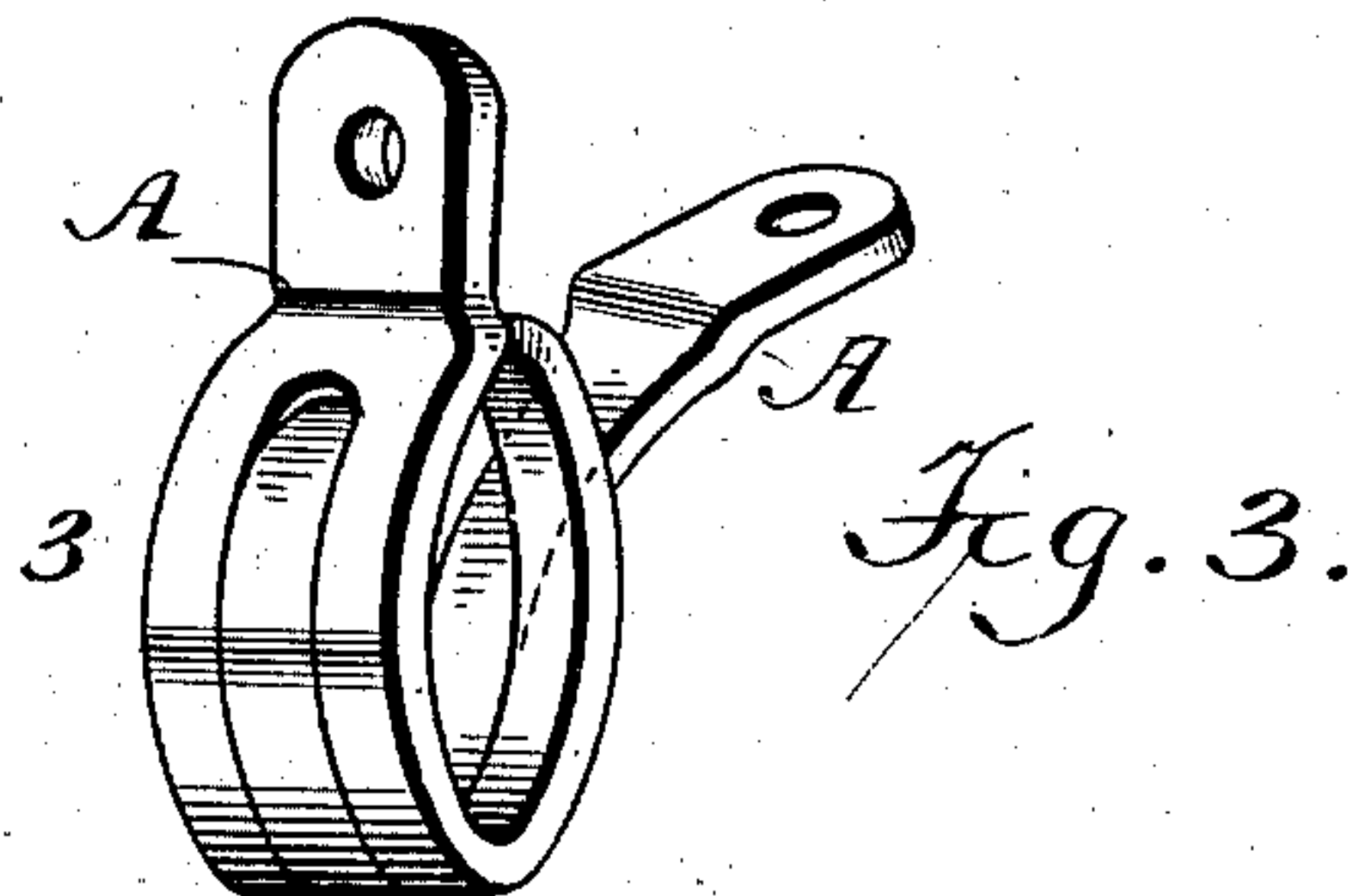
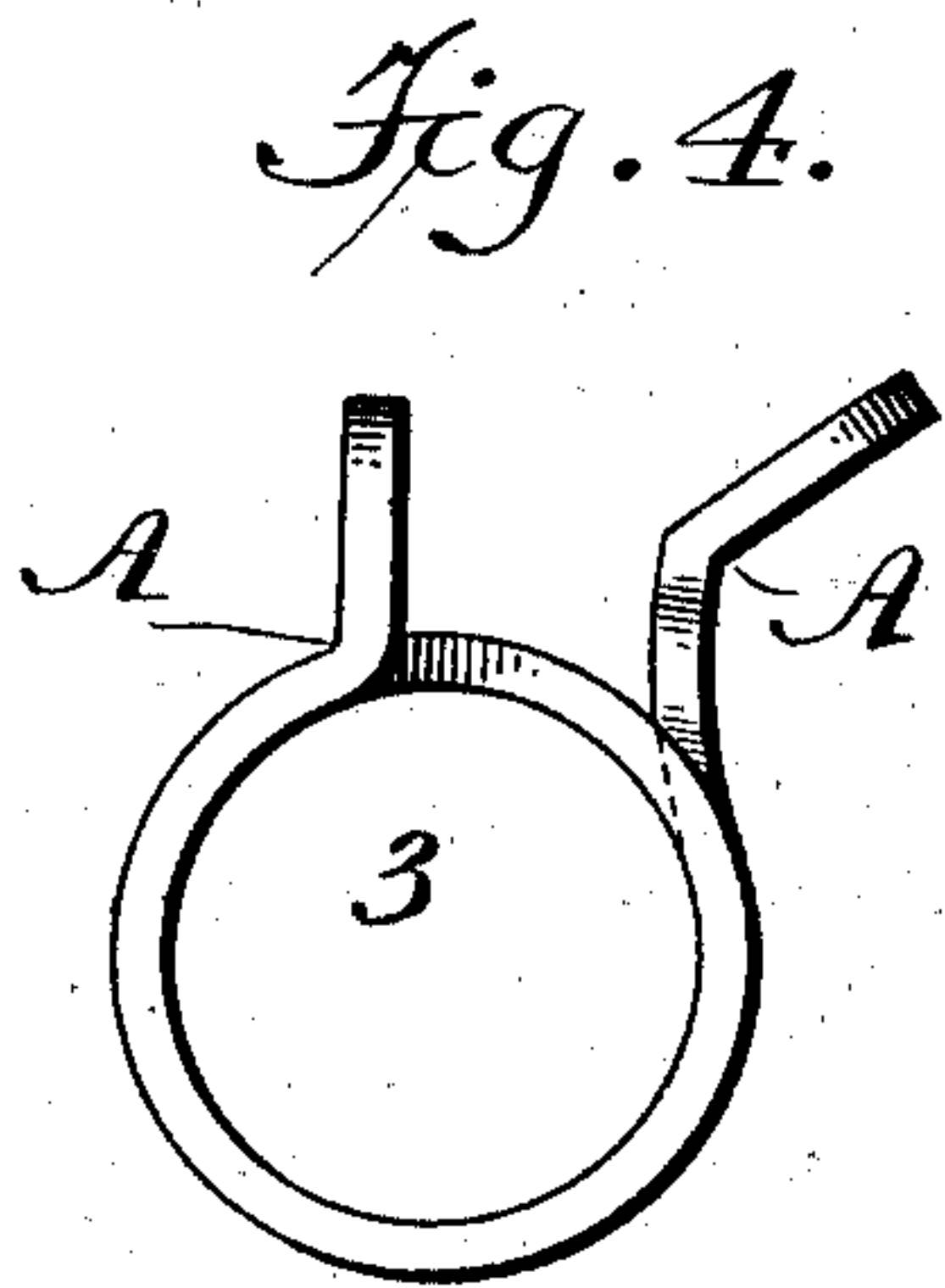
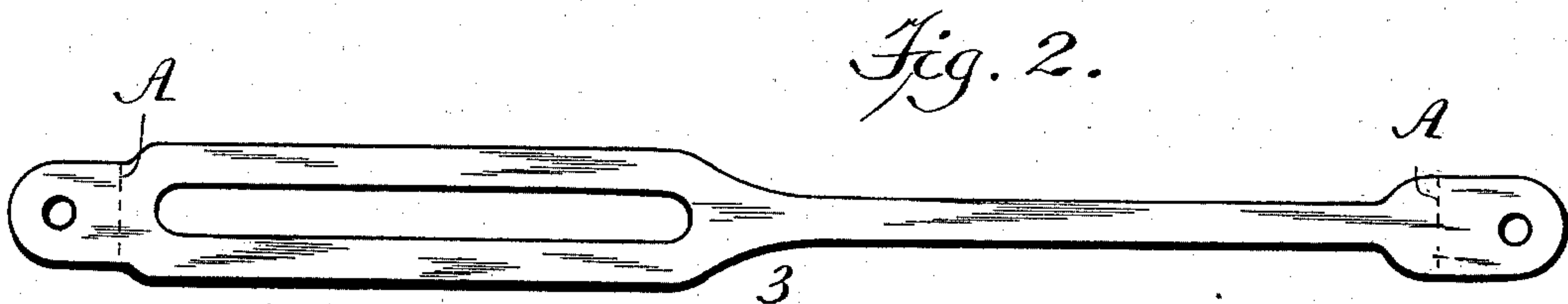
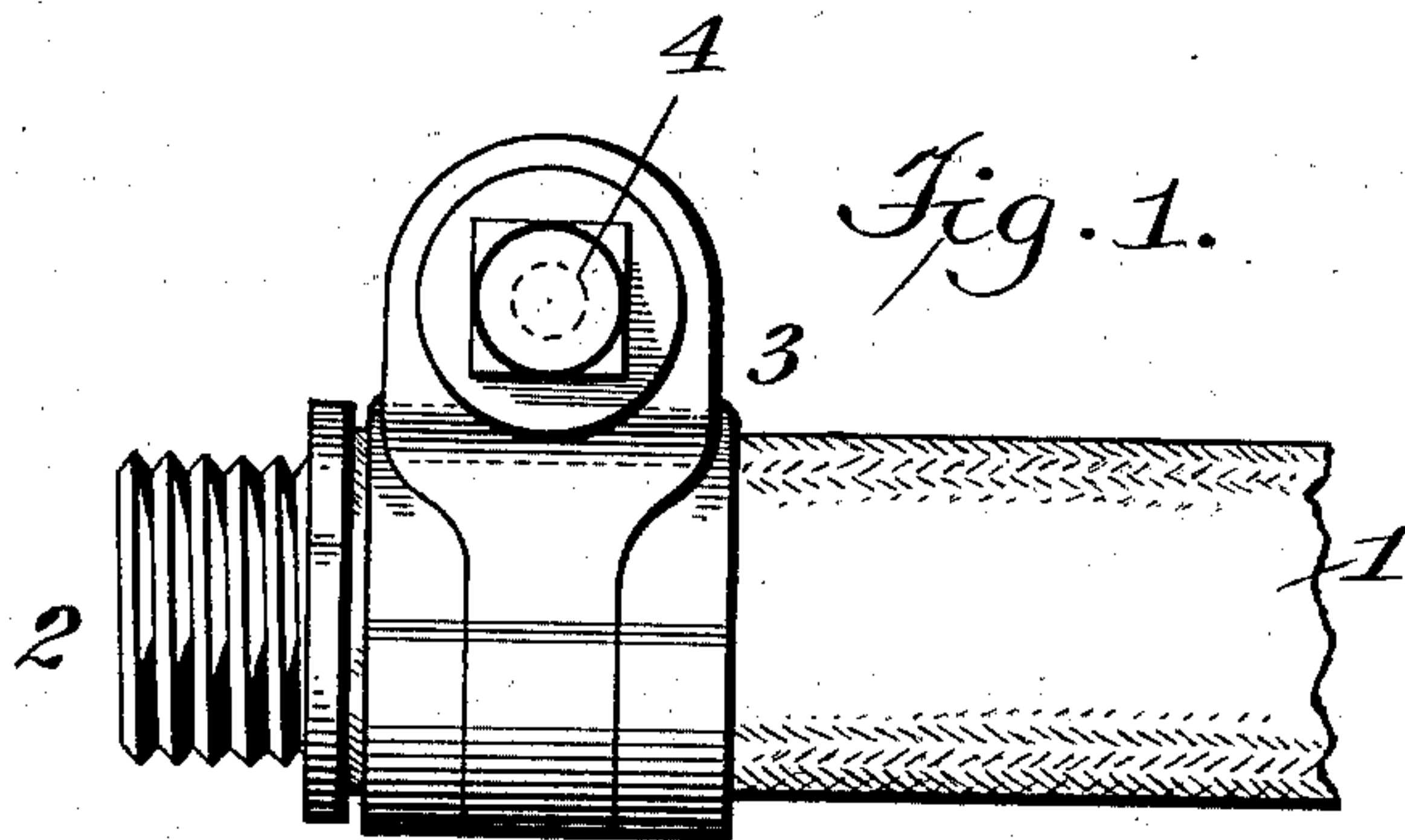
No. 749,849.

PATENTED JAN. 19, 1904.

V. H. DAVISON.
HOSE CLAMP.

APPLICATION FILED APR. 13, 1903.

NO MODEL.



WITNESSES:

H. M. Royce
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INVENTOR.

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UNITED STATES PATENT OFFICE.

VINCENT H. DAVISON, OF PARK CITY, UTAH.

HOSE-CLAMP.

SPECIFICATION forming part of Letters Patent No. 749,849, dated January 19, 1904.

Application filed April 13, 1903. Serial No. 152,368. (No model.)

To all whom it may concern:

Be it known that I, VINCENT H. DAVISON, a citizen of the United States of America, residing at Park City, in the county of Summit and State of Utah, have invented certain new and useful Improvements in Hose-Clamps, of which the following is a specification.

This invention relates to hose-clamps, and particularly to such as are designed for use in attaching a hose to a nipple or nozzle.

The object of the invention is to provide novel means for clamping hose, whereby the pressure is exerted uniformly throughout, since said clamp encircles the hose completely.

Furthermore, the object of the invention is to produce a hose-clamp which may be struck or stamped from a piece of metal in a finished state, thereby making the clamp comparatively inexpensive, as the amount of time required in its manufacture is inconsiderable, amounting to the time for an ordinary punching-machine to operate.

Furthermore, the object of the invention is to produce a clamp of the character noted in which the clamping member contacts with the hose throughout the width of the clamping member, thus providing against small contacting surfaces which are liable to cut into the hose and injure them.

Furthermore, the object of the invention is to provide a hose-clamp which will possess advantages in points of simplicity and durability, proving at the same time efficient and satisfactory in use.

With the foregoing and other objects in view the invention consists in the detail of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail reference will be had to the accompanying drawings, forming part of the specification, wherein like characters denote corresponding parts in the several views, and in which—

Figure 1 is a view in elevation of a section of hose with a clamp embodying the invention applied thereto. Fig. 2 is a plan view of the clamp, and Fig. 3 is a perspective view show-

ing a clamp in the position to be applied to the holes, and Fig. 4 is a side elevation thereof.

In the drawings, 1 indicates a hose, and 2 a nozzle, to which the hose is attached.

3 is a clamp comprising a body termination at each end in ears, which have holes to receive the bolt 4. The body is reduced in width from one end to a point about midway its length and the other half of the body is of sufficient width to permit the formation of a slot 5, extending longitudinally of the body. The ears are bent approximately at right angles to the body, and the reduced end is inserted in the slot of the larger end and bent approximately round, in order that it may be applied to the hose, after which the bolt is applied to the ears and the ends are drawn together by turning the nut of the bolt. When the reduced end is applied to the slot and the said slot is of just sufficient width to accommodate the reduced portion, a practically continuous bearing-surface throughout the width of the larger end is afforded. That portion of the body between the end of the slot and the taper fills the same space between the ears when the clamp is applied, as is fully shown in the illustration.

If desired, the body may be bent slightly at the points A A in order to conform to the thickness of the body. This would increase the bearing-surface near the ears and might be desirable in some classes of work; but for ordinary use the surface of the hose not contacted by reason of the thickness of the body would not be detrimental to the operation of the invention.

The construction, use, and advantages will, it is thought, be understood from the foregoing description, it being noted that various changes may be made in the proportions and details for successfully carrying the invention into practice without departing from its scope.

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

In a device of the character described, a clamp provided with a slot extending longitudinally a predetermined distance of its body portion and having the remaining portion of

its body formed in a narrow plate adapted to
be drawn through the slot forming a band for
encircling the hose, ears on the ends of the
clamp bent at right angles to its body portion
5 and provided with apertures, and a bolt for se-
curing the ears together as and for the purpose
set forth.

In testimony whereof I affix my signature,
in the presence of two witnesses, this 27th day
of March, 1903.

VINCENT H. DAVISON.

Witnesses:

F. J. McLAUGHLIN,
O. C. LOCKHART.