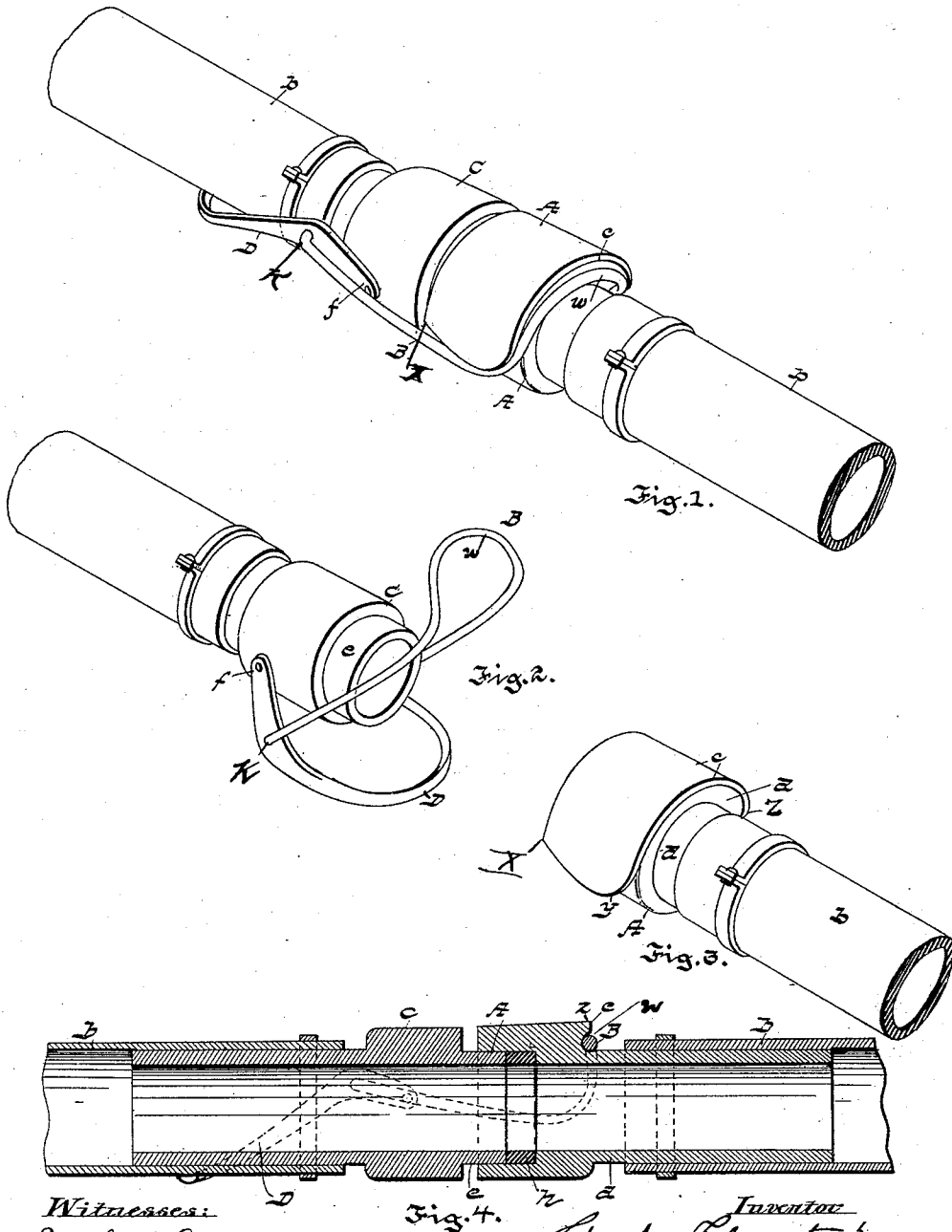


(No Model.)

C. CHRISTY, Jr.
HOSE COUPLING.

No. 472,471.

Patented Apr. 5, 1892.



Witnesses:

Ed. S. Lane
Chas. A. Miller

Fig. 4.

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CHARLES CHRISTY, JR., OF CANTON, OHIO, ASSIGNOR OF ONE-HALF TO
WILLIAM E. KING, OF SAME PLACE.

HOSE-COUPLING.

SPECIFICATION forming part of Letters Patent No. 472,471, dated April 5, 1892.

Application filed June 6, 1891. Serial No. 395,394. (No model.)

To all whom it may concern:

Be it known that I, CHARLES CHRISTY, Jr., a citizen of the United States, and a resident of Canton, county of Stark, State of Ohio, have
5 invented a new and useful Improvement in Hose-Couplings, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

10 My invention relates to an improvement in hose-couplings; and it consists in providing a hose-coupling that can be more quickly attached to a hydrant or one section coupled with another than heretofore and at the same
15 time secure the joint from leaking.

With these ends in view my invention consists of certain features of construction and combination of parts, as will be hereinafter described, and pointed out in the claim.

20 Figure 1 of the accompanying drawings is a view in perspective of a hose-coupling, illustrating my invention; Fig. 2, a similar view of the stem portion of the coupling, the stem, and the link and lever; Fig. 3, a similar view
25 of the socket portion, and Fig. 4 a longitudinal section.

Similar letters of reference indicate corresponding parts in all of the figures of the drawings.

30 A represents the socket portion of the coupling, having a stem portion *a*, which may be secured to a hydrant-spout or secured in the end of a section of hose, as *b*, in the usual way. The outer end portion of the socket A
35 is reinforced, as shown, to form a shoulder *c*, extending from the end of the socket at X to and over a point, as *y* and *z*, to X on the opposite side. In the edge of the shoulder is provided semicircular groove *d* to receive the
40 link B.

The stem portion C of the coupling is provided with neck portion *a* and a stem *e* to enter the socket A, as shown in Fig. 4. To the

sides of the stem portion is pivotally secured a lever D, as shown at *f*. To this lever at a
45 distance, as shown from its pivotal connection with the stem, is pivoted the link B, the bight of which is bent at an obtuse angle, as shown at *w*, to fit in the groove from *y* to *z*. A rubber washer *h* is placed in the socket, as
50 shown in Fig. 4.

In operation the stem *e* is placed in the socket A and the link B passed over the shoulder *c* into the groove *d*. The link-lever D is then
55 turned down and back to the position shown in Figs. 1 and 4. The pivot *k* of the link B, passing inside of the pivot *f*, will lock the parts in position.

The ease and rapidity with which this joint can be made and unmade is greatly in its
60 favor, no wrench being required and no screw-thread to become damaged or worn, all of which tend to reduce the cost of use and greatly add to the personal convenience of
65 the user.

Having thus fully described the nature and object of my invention, what I claim, and desire to secure by Letters Patent, is—

The combination, in a hose-coupling, of the socket portion A, having a stem portion *a*, the
70 said socket portion provided on a portion of its periphery with a shoulder *c*, having in its edge a groove which extends from X on one side to *y*, from *y* to *z*, and thence to X on the
75 opposite side, a stem portion C, having a neck to enter the socket, a link-lever D, pivoted to said stem portion, and a link B, pivoted to the said link-lever and having its bight bent at an obtuse angle to conform to the groove
80 in the shoulder *c*, substantially as set forth.

In testimony whereof I have hereunto set my hand this 27th day of May, A. D. 1891.

CHARLES CHRISTY, JR.

Witnesses:

W. K. MILLER,
CHAS. R. MILLER.