F. W. WOLF.
Hose-Couplings.

No. 207,470 Patented Aug. 27, 1878.

Fig. 1.

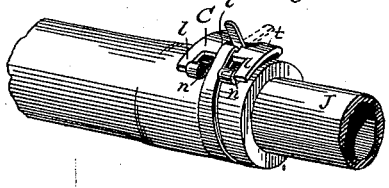


Fig. 2.

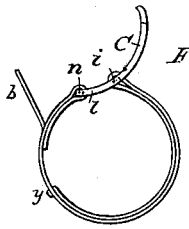


Fig. 3.

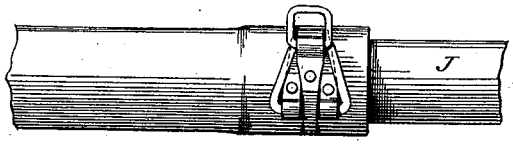
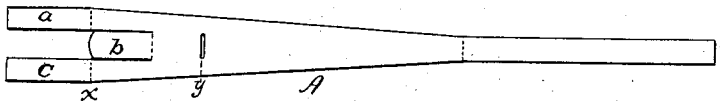


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

FREDRICK W. WOLF, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN HOSE-COUPLINGS.

Specification forming part of Letters Patent No. **207,470**, dated August 27, 1878; application filed July 13, 1878.

To all whom it may concern:

Be it known that I, FREDRICK W. WOLF, of the city of Chicago and State of Illinois, have invented a new and Improved Hose-Coupling; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of my coupling attached. Fig. 2 is a view of the coupling detached. Fig. 3 shows a modification of construction. Fig. 4 shows a struck blank for making my device.

The object of my invention is to provide a cheap and convenient means for attaching hose to faucets, T-joints, &c., said fastening being easily and instantly removable, and capable of being replaced with the same facility.

My invention consists of a flexible metallic band provided with eyes at each end inclosing a cam-loop, by which the ends of the band are brought together and lapped and held so as to compress the hose against the faucet or other interior resisting medium, as hereinafter more fully described and claimed.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A is the sheet-metal blank cut or stamped out preparatory to making my coupling-clamp. One end of this blank is wider than the other, and the wide end is divided down to the point *e* into three tongues, *a b c*, the tongue *b* being shorter than *a c*.

A cam-lever, C, of peculiar formation, is stamped or otherwise made of heavy sheet metal, and is provided near its center with a cross-bar, *i*, and on its lower side with two projections, *l l*, having rectangular lugs *n n*. In general outline the plane of the cam-lever plate is curved, as shown, to make it conform as far as possible to the outline of the hose and lie snug against it.

Tongues *a* and *c* of blank A are bent over and around the lugs *n n* at about the line *x*, and laid against the body of the blank. The narrow portion of the blank is bent around the cross-bar *i* and laid along the blank, as was done with *a* and *c*, the end coming to about the point *y*, where, if desired, it can be passed through the broad portion and upset, so as to be more secure.

The foregoing-described attachment of the blank to the cam-lever plate brings the blank into the curvature shown in Fig. 2, and leaves the tongue *b* projecting, as shown. In this condition the coupling is passed onto the end of the hose, the faucet or joint J inserted, the cam-lever plate brought over into the position seen in Fig. 1, and the hose is securely fastened.

Fig. 3 shows a modification of my device wherein the cam-lever plate is secured to the flexible ring by means of short laps of the blank and rivets or solder.

If there should be any danger of the cam-plate lever being thrown so as to release the hose, it is only necessary to bend tongue *b* down over its upper edge, *t*, as shown in dotted lines, Fig. 1. This coupling can be utilized in repairing bursted hose by inserting in the break a short pipe and applying two couplings.

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

The flexible metallic band A, in combination with a cam-lever plate, C, operating in a line with said band for a hose-coupling, substantially as described.

FREDRICK W. WOLF.

Witnesses:
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