

(No Model.)

C. CALLAHAN.

HOSE COUPLING.

No. 395,877.

Patented Jan. 8, 1889.

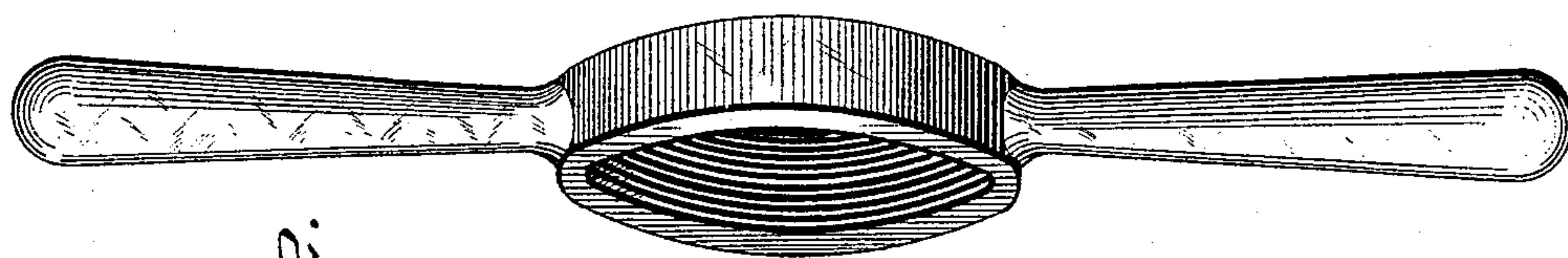


Fig. 2.

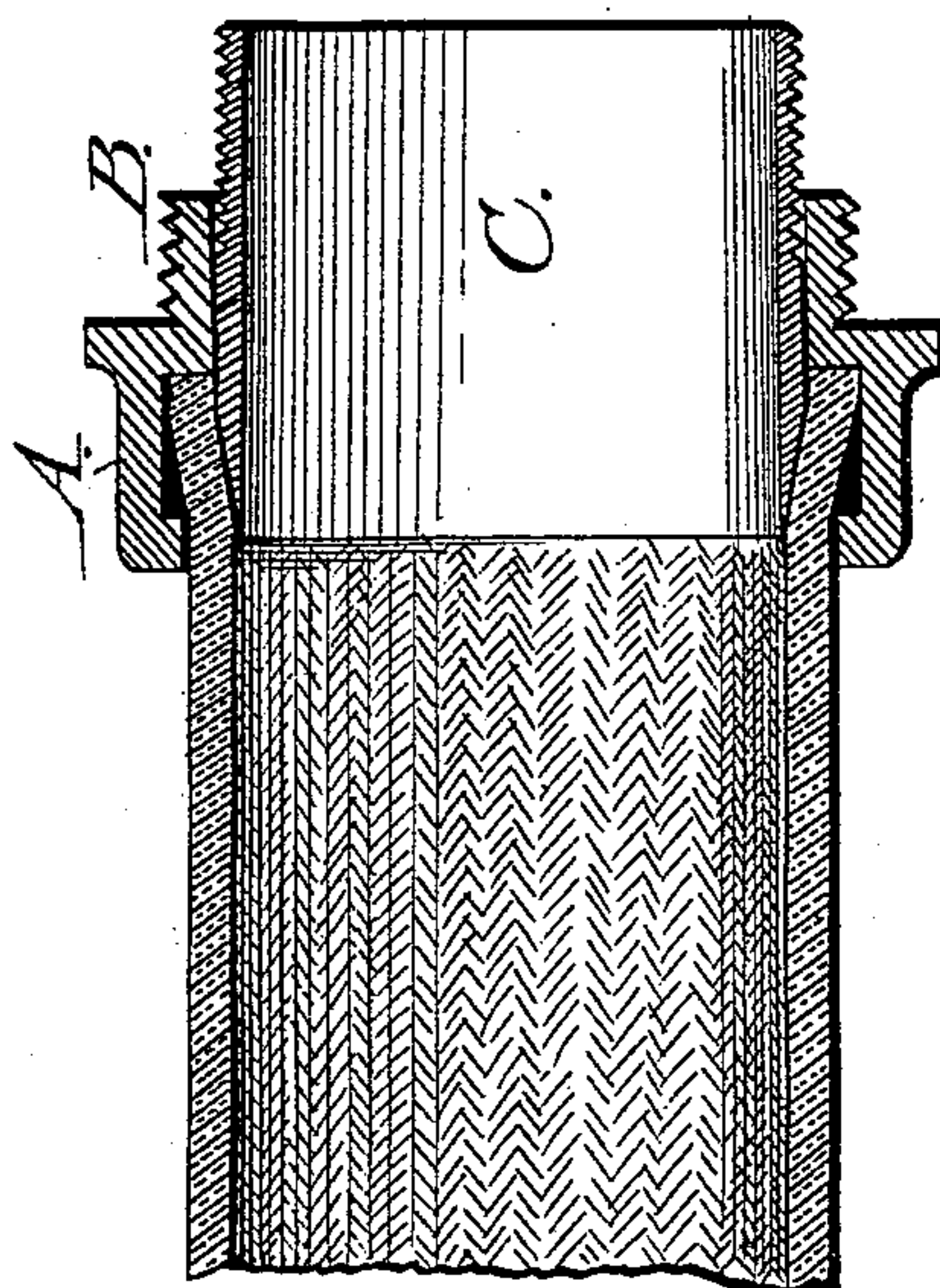


Fig. 1.

WITNESSES,

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CORNELIUS CALLAHAN, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO THE
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HOSE-COUPLING.

SPECIFICATION forming part of Letters Patent No. 395,877, dated January 8, 1889.

Application filed February 28, 1888. Serial No. 265,560. (No model.)

To all whom it may concern:

Be it known that I, CORNELIUS CALLAHAN, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Hose-Couplings, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a sectional view of a coupling-section with my improvement attached. Fig. 2 represents a suitable tool for the removal of my clamping-ring.

My present invention consists in combining with a section of hose-coupling an interior clamping-ring screw-threaded on its vertical sides, and which, when in position in the hose, shall extend slightly above the upper surface of the coupling-ring, as shown in the drawings.

To enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

In the drawings, A represents the outer ring of a coupling of the ordinary and well-known construction.

B represents the base, and C the clamping-ring. The parallel straight portions of the clamping-ring C are screw-threaded, as shown, for a purpose hereinafter explained. This ring is forced into the end of the hose and within the clamping-ring only a portion of its

length. It has heretofore been forced in its entire length, and consequently, when it became necessary from any cause to detach the coupling from the hose, this clamping-ring was always exceedingly difficult of removal. The essential purpose of my present invention is to overcome this difficulty and render the clamping-ring easily and quickly removed, and thereby readily releasing the coupling from the hose.

By my construction of the clamping-ring it is evident that by a screw-wrench such as is shown in Fig. 2 the ring can be quickly withdrawn and the coupling easily removed from the hose.

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

In combination with a hose-coupling, the clamping-ring C, having parallel smooth sides for a portion of its length, and having the remaining portion threaded and adapted to project beyond the end of the coupling for the reception of a suitable tool, said ring having its inner end beveled or tapered, thereby adapting it to be forced into the end of the hose and to be held by frictional contact between the clamping-ring and coupling-section, substantially as described.

CORNELIUS CALLAHAN.

Witnesses:

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