

(No Model.)

J. B. GENIN.

HOSE COUPLING.

No. 333,066.

Patented Dec. 22, 1885.

Fig. 1.

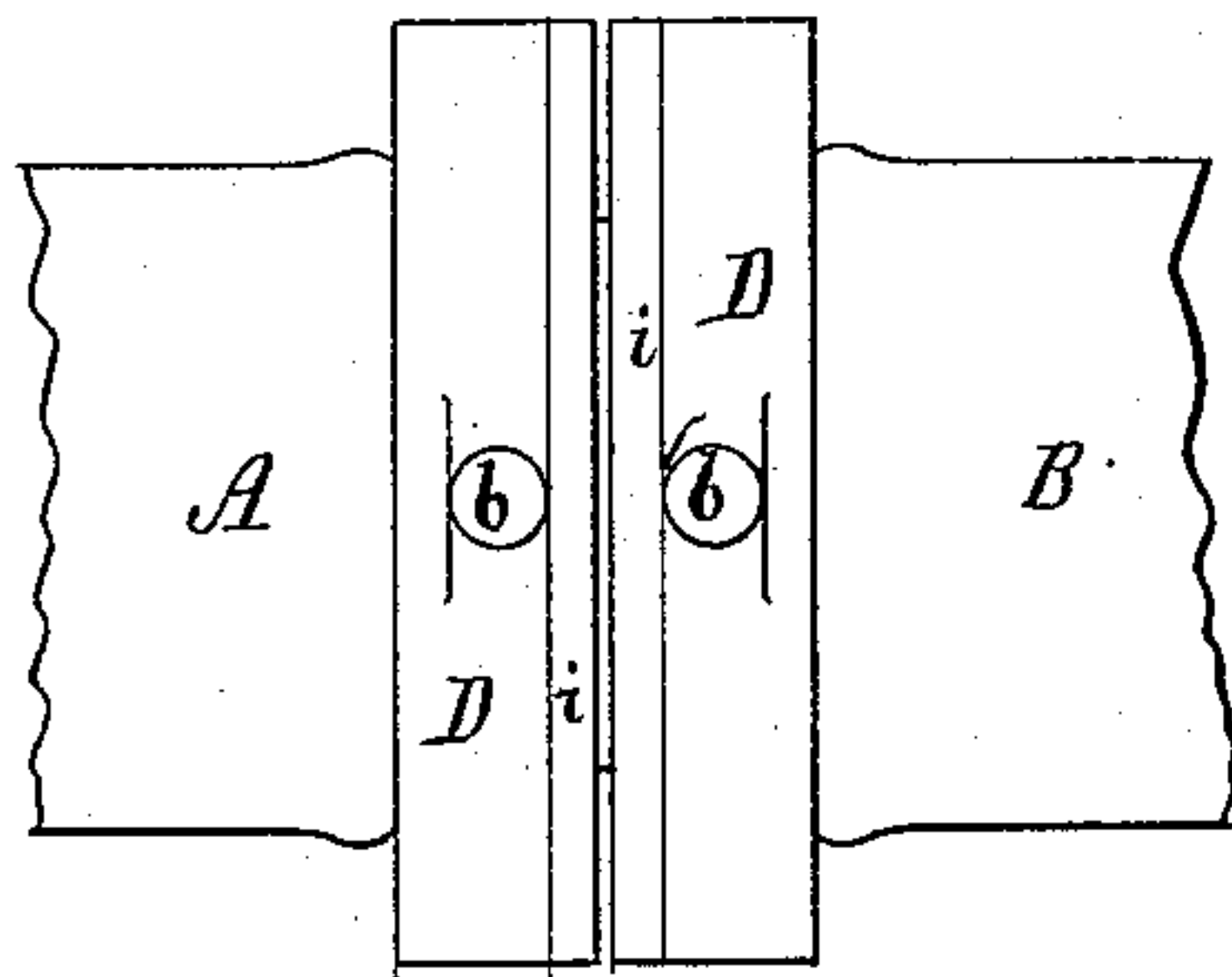


Fig 2.

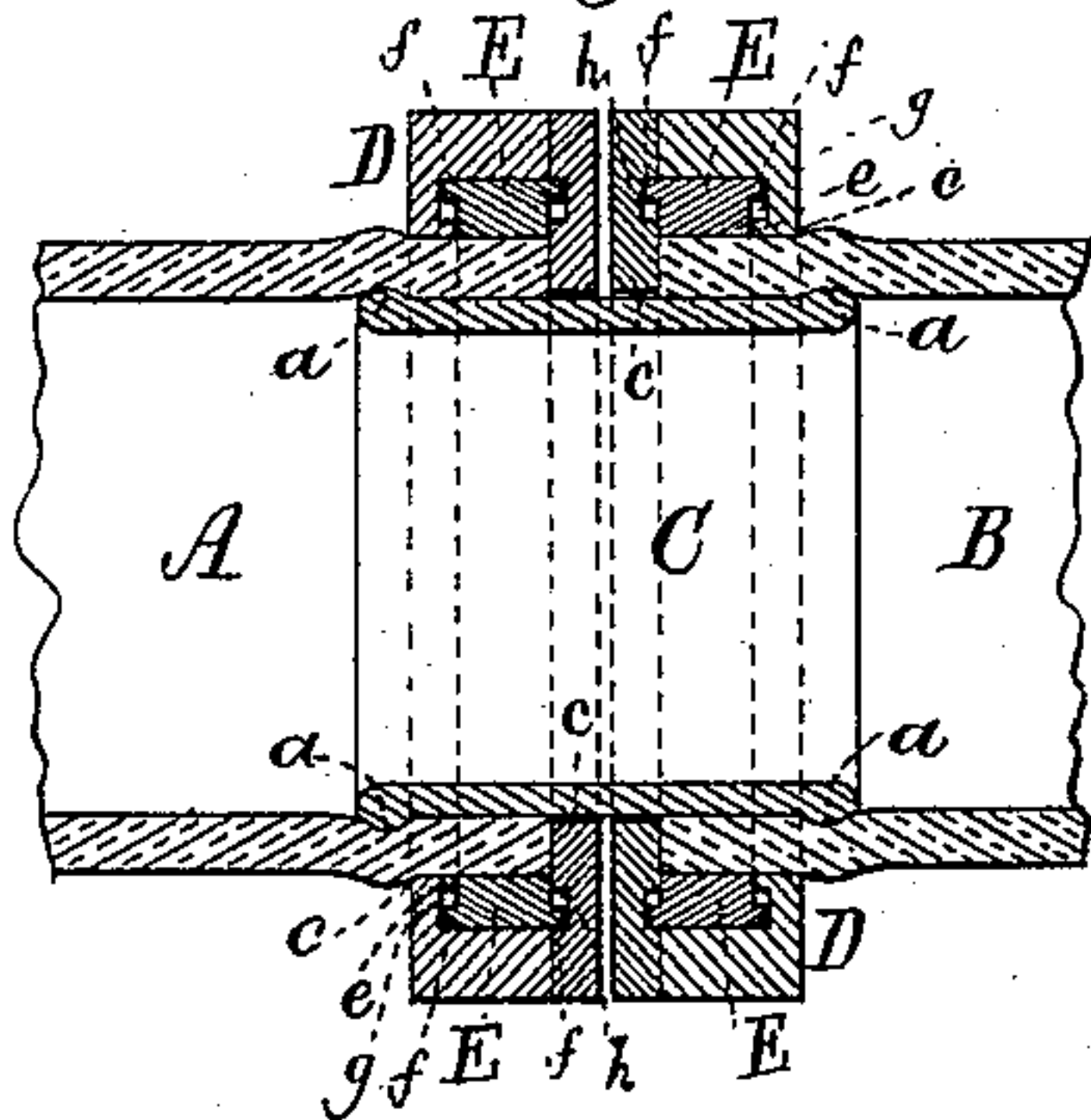
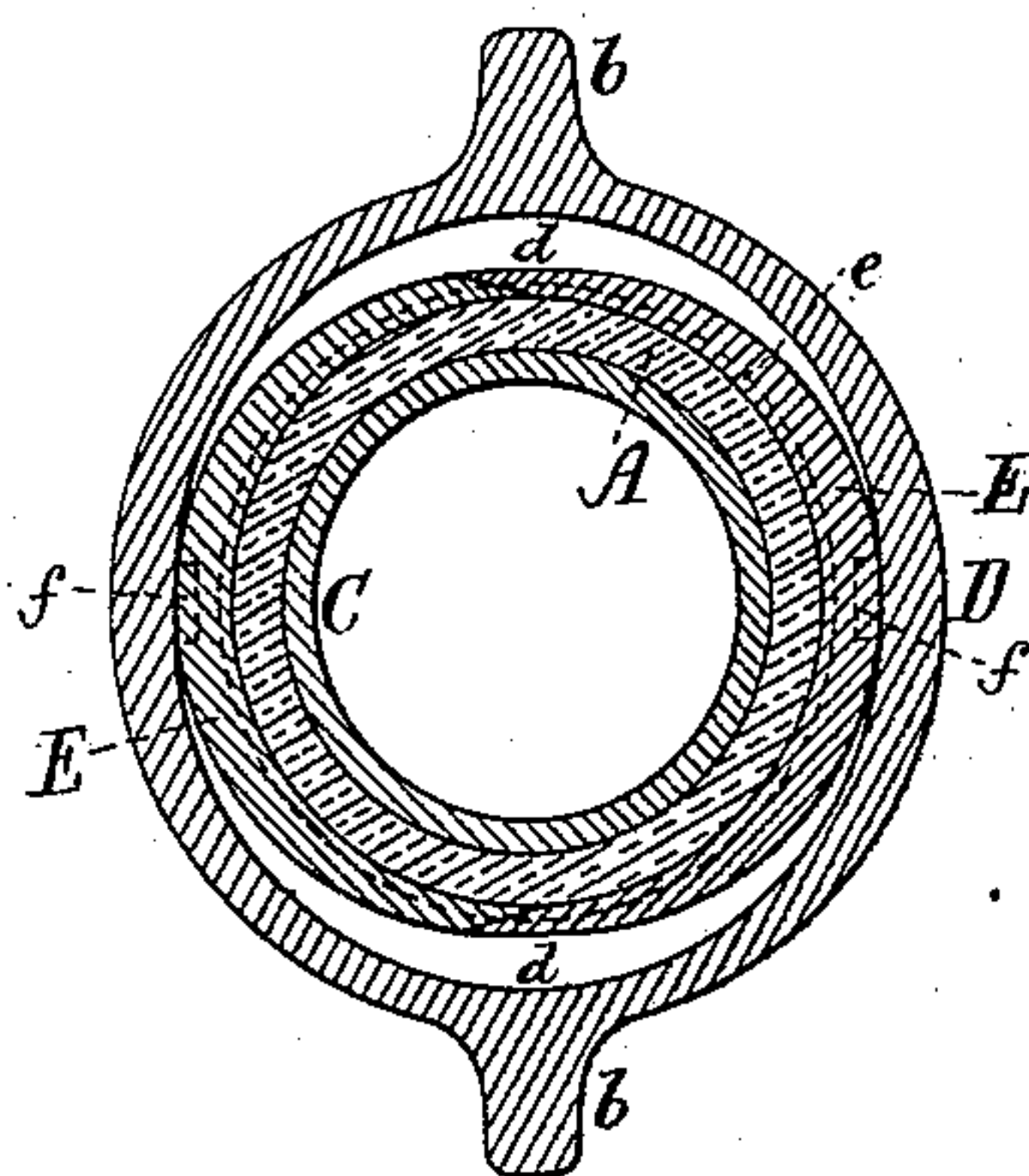


Fig. 3.



Witnesses.

S. N. Piper
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by R. H. Eady att'y.

UNITED STATES PATENT OFFICE.

JOHN B. GENIN, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO ENOCH H. TOWNE, NAPOLEON P. HUNT, AND GEORGE M. WOODWARD, ALL OF SAME PLACE.

HOSE-COUPLING.

SPECIFICATION forming part of Letters Patent No. 333,066, dated December 22, 1885.

Application filed September 28, 1885. Serial No. 178,469. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. GENIN, of the city and county of Worcester, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Hose-Couplings; and I do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

10 Figure 1 is a front elevation, and Fig. 2 a longitudinal section, of my improved coupling and two pieces of hose connected by it. Fig. 3 is a transverse section taken through the clamping mechanism.

15 The nature of my invention is duly defined in the claims hereinafter presented.

In such drawings, A and B denote the two pieces of hose, there being extended into both of them, at their next adjacent ends, a tube, 20 C, having at each end a rounded flange, *a*. Encompassing each hose at or near its end is a rabbeted annulus, D, provided with two handles, *b*, projecting from it, as represented. The bore *c* of the annulus is circular, and has 25 a diameter corresponding to or about to that of the hose extending within it. Furthermore, there is within the annulus an elliptical rabbet, *d*, whose larger axis is in line with the two handles, and there extends from the bottom of the rabbet into such rabbet a circular 30 flange, *e*, whose inner periphery is a continuation of the bore *c*. Within the elliptical rabbet are two crescent-shaped or arched jaws, E, the intrados of each being semicircular. 35 At their crowns these jaws bear against the inner curved periphery or surface of the rabbet, and have ears or projections, *f*, extending laterally from them into the space *g* immediately around the flange *e*, and also into a circular groove, *h*, in a cap-ring, *i*, applied to the

inner side of the annulus. On turning the two jaws around within the rabbet until their crowns shall be next the handles, a hose is to be inserted in each annulus D. Next the tube C is to be inserted endwise within each hose, 45 after which, by partially revolving each annulus D about such tube and the hose, the two jaws of such annulus will be forced toward each other and upon the hose, so as to contract it upon and firmly secure it with a water-tight 50 joint to the tube.

I would observe that in case it may be desirable to couple a hose with a hydrant or a jet-pipe, the tube C may have at one end a flange, as shown, and at the other any proper 55 means of securing or affixing it to such hydrant or jet-pipe, in which case but one elliptically rabbeted or chambered annulus, D, with its two crescent-shaped jaws, would suffice to clamp a hose to the said tube. 60

I claim—

1. The hose-coupling substantially as described, composed of the flanged tube C, the flanged or elliptically chambered or rabbeted annulus D, and the two curved or crescent- 65 shaped jaws E, such jaws being arranged within the said annulus, and provided with means of sustaining them thereon, and all being to operate essentially as set forth.

2. The combination of the tube C, flanged 70 at each end, as represented, with the two flanged and elliptically chambered or rabbeted annuli D, and their pairs of crescent-shaped jaws E, arranged within and applied to them, substantially as set forth.

JOHN B. GENIN.

Witnesses:

R. H. EDDY,
ERNEST B. PRATT.

It is hereby certified that the name of one of the assignees in Letters Patent No. 333,066, granted December 22, 1885, upon the application of John B. Genin, of Worcester, Massachusetts, for an improvement in "Hose Couplings," was erroneously written and printed "Napoleon P. Hunt," whereas said name should have been written and printed *Napoleon P. Huot*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 16th day of February, A. D. 1886.

[SEAL.]

H. L. MULDROW,
Acting Secretary of the Interior.

Countersigned:

M. V. MONTGOMERY,
Commissioner of Patents.