

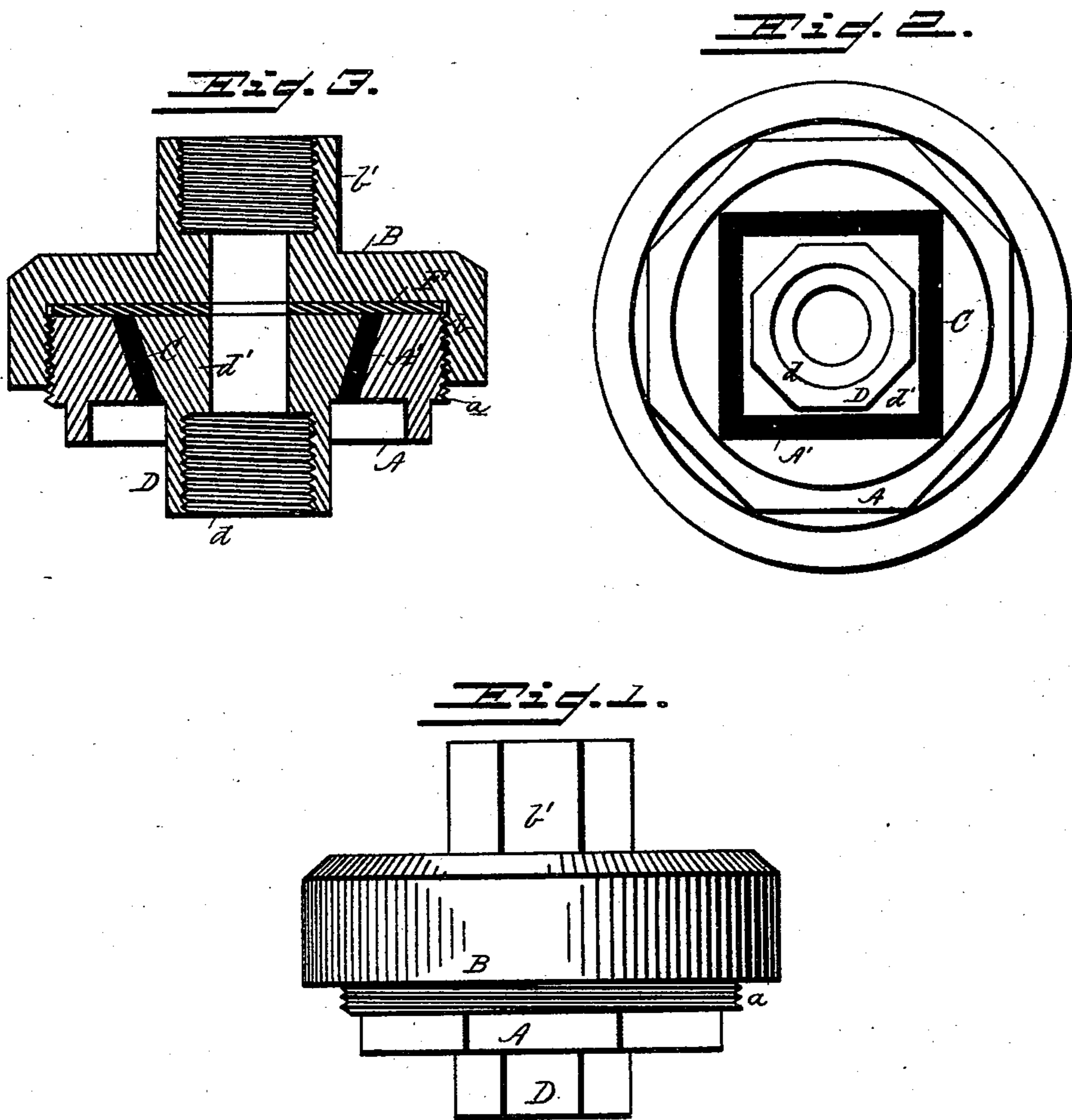
(No Model.)

C. S. FORSYTH.

INSULATING COUPLING FOR COMBINED ELECTRIC LIGHT AND  
GAS FIXTURES.

No. 350,355.

Patented Oct. 5, 1886.



WITNESSES

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# UNITED STATES PATENT OFFICE.

CHARLES S. FORSYTH, OF PHILADELPHIA, PENNSYLVANIA.

INSULATING-COUPLING FOR COMBINED ELECTRIC-LIGHT AND GAS FIXTURES.

SPECIFICATION forming part of Letters Patent No. 350,355, dated October 5, 1886.

Application filed July 8, 1886. Serial No. 207,472. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES S. FORSYTH, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Insulating-Couplings for Combined Gas and Electric-Light Fixtures; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a side elevation of my improved coupling. Fig. 2 is a plan, and Fig. 3 a vertical section, of same.

My invention has for its object to provide an improved form of insulating-coupling for combined gas and electric-light fixtures.

My improvements consist in the peculiar construction and combination of parts herein-after fully described and claimed.

Referring to the accompanying drawings, A represents a nut having an external screw-thread, *a*, with which engages a cap, B, internally threaded at *b*. Said nut A has a central recess, A', with flaring walls, which receives a box, C, of insulating material, said box being in the form of a truncated pyramid, or with inclined sides.

D represents a member of the coupling having a threaded end, *d*, for connecting with a chandelier-pipe, and having a head, *d'*, with inclined sides, which head fits in the box C.

The cap B has a threaded boss or stem, *b'*, for connection with a gas-outlet.

F is a washer, of rubber, leather, or insulating material, which fits between the cap B and the other members of the coupling, and is the

device usually employed to make the coupling gas-tight.

By the construction described the members B and D, which receive the pipes, are thoroughly insulated from each other, so that a grounding-circuit will not be established between them.

By making the head of the member D with inclined sides which fit in the box C the weight of the chandelier tends to make the coupling gas tight, drawing said head against the box and the latter against the walls of the recess in the nut.

What I claim as my invention is as follows:

1. The combination, with the nut A, having a flaring recess, A', of the insulating-box C, having inclined sides, and the member D, having head *d'*, with similarly-inclined sides, substantially as shown and described.

2. The combination of nut A, having central recess, A', insulating-box C, having the form of a truncated pyramid, member D, having head *d'*, which fits in said box, and cap B, substantially as shown and described.

3. An insulating - coupling for combined gas and electric-light fixtures, comprising a nut, A, a cap, B, a member, D, which fits in said nut, and a box, C, of insulating material, having inclined sides fitted in said nut and receiving the head of the member D, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 16th day of June, 1886.

CHAS. S. FORSYTH.

Witnesses:

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