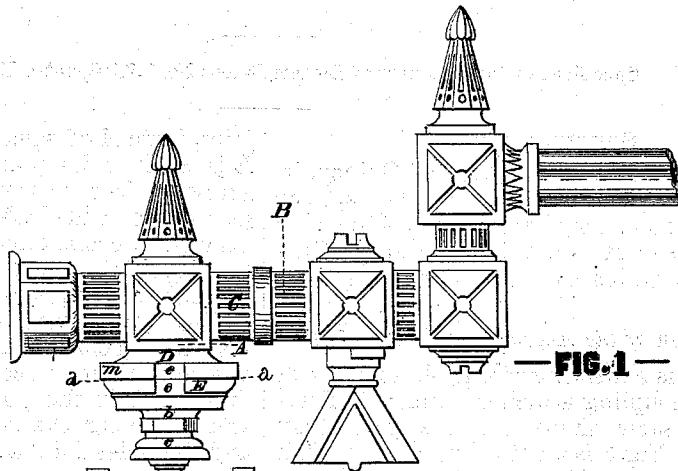


ROBERT S. ROESCHLAUB.

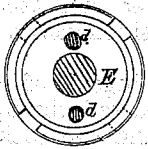
Drop-Light Coupling.

No. 127,105.

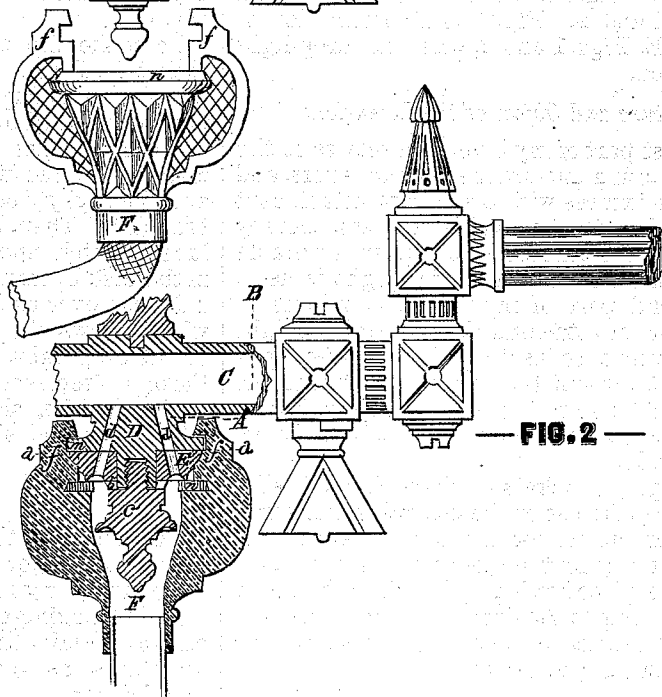
Patented May 21, 1872.



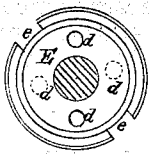
— FIG. 1 —



— FIG. 3 —



— FIG. 2 —



— FIG. 4 —

WITNESSES:

Nathaniel Miller

Frank H. Roeschlaub.

INVENTOR,

Robert S. Roeschlaub.

UNITED STATES PATENT OFFICE.

ROBERT S. ROESCHLAUB, OF QUINCY, ILLINOIS.

IMPROVEMENT IN DROP-LIGHT COUPLINGS.

Specification forming part of Letters Patent No. 127,105, dated May 21, 1872.

SPECIFICATION.

I, ROBERT S. ROESCHLAUB, of Quincy, in the county of Adams and State of Illinois, have invented certain Improvements in Attaching Drop-Lights or Movable Gas-Burners to Gas-Fixtures, of which the following is a specification:

Description of the Accompanying Drawing.

Figure 1 is a drawing of a gas-bracket, with drop-light coupling attached. Fig. 2 is a section of the same, showing all the parts of my invention. Fig. 3 is a bottom view of the disk E, Figs. 1 and 2. Fig. 4 is a bottom view of the disk E, Figs. 1 and 2, when the drop-light is detached.

Nature and Object of the Invention.

The first part of my invention relates to the idea of casting gas-brackets, chandeliers, and other gas-fixtures with a separate attachment for drop-lights or movable burners, thereby making all the burners of the fixture available at the same time that the drop-light is used. The second part of my invention relates to the manner of attaching the hose of drop-light to the fixture, so as to make a perfect gas-tight joint without the danger of injuring the fixture, and also to the manner of turning on the gas at the same instant that the connection is made.

In hanging brackets or chandeliers, it is intended to make use of the central terminating drop or ornament for the attachment of the drop-light or movable burner. In wall gas-brackets a piece having a projection or branch corresponding to the drop or pendant in chandeliers is inserted between the gas-cock of the bracket and the wall-plate.

General Description.

All below the dotted line A, Figs. 1 and 2, should be attached to the lower center terminal of the hanging bracket or chandelier now in use. All to the left of the dotted line B should be added to the gas-bracket now in use. This should be a lengthening of the pipe C, provided with a branch, D. A disk, E, is fitted to the branch D, having a ground-joint at *a a*. This may be a cup-joint or wedge-

joint, instead of square, as shown. The disk E is held to its place by the washer *b* and screw *c*. One or more holes, *d d*, Figs. 2, 3, and 4, are drilled through the disk E and branch D, communicating with the inside of the pipe C, through which the gas escapes when the disk E is turned to the position shown in Fig. 3. The gas is cut off by turning the disk E to the position shown in Fig. 4. When the drop-light is detached the branch D and disk E are in the position shown in Figs. 1 and 4, having the slots *ee* over each other, and the holes *d d d d* in the position shown in Fig. 4.

To make the coupling, the lugs *ff* of the socket F, Figs. 1 and 2, are passed through the slots *ee*, Figs. 1 and 4, and the socket pressed upward until the lower sharp edge of the disk E sinks into the rubber *n*, which is fastened to the upper edge of the socket F, and the lugs *ff* embrace the collar *m* of the branch D. Then, by turning the socket F, the lugs *ff* catch upon the sides of the slots *ee* in the disk E, turning it around until the holes *d d* come over each other, as shown in Fig. 3, which allows the gas to escape into the hose of the drop-light. By turning the socket in the opposite direction the disk is carried around to the position shown in Fig. 4, which turns off the gas and allows the socket F to be removed.

Claims.

I do not claim the bracket or chandelier, nor the washer *b*, nor the screw *c*; but

I claim as my invention—

1. In hanging-brackets or chandeliers, the central terminating - drop or ornament, constructed so as to receive a drop-light or movable burner.
2. In combination with a gas-bracket, the branch D, substantially as and for the purposes set forth.
3. The branch D, disk E, and socket F, substantially as and for the purpose hereinbefore set forth.

ROBERT S. ROESCHLAUB.

Witnesses:

NATHANIEL MILLER,
FRANK H. ROESCHLAUB.