

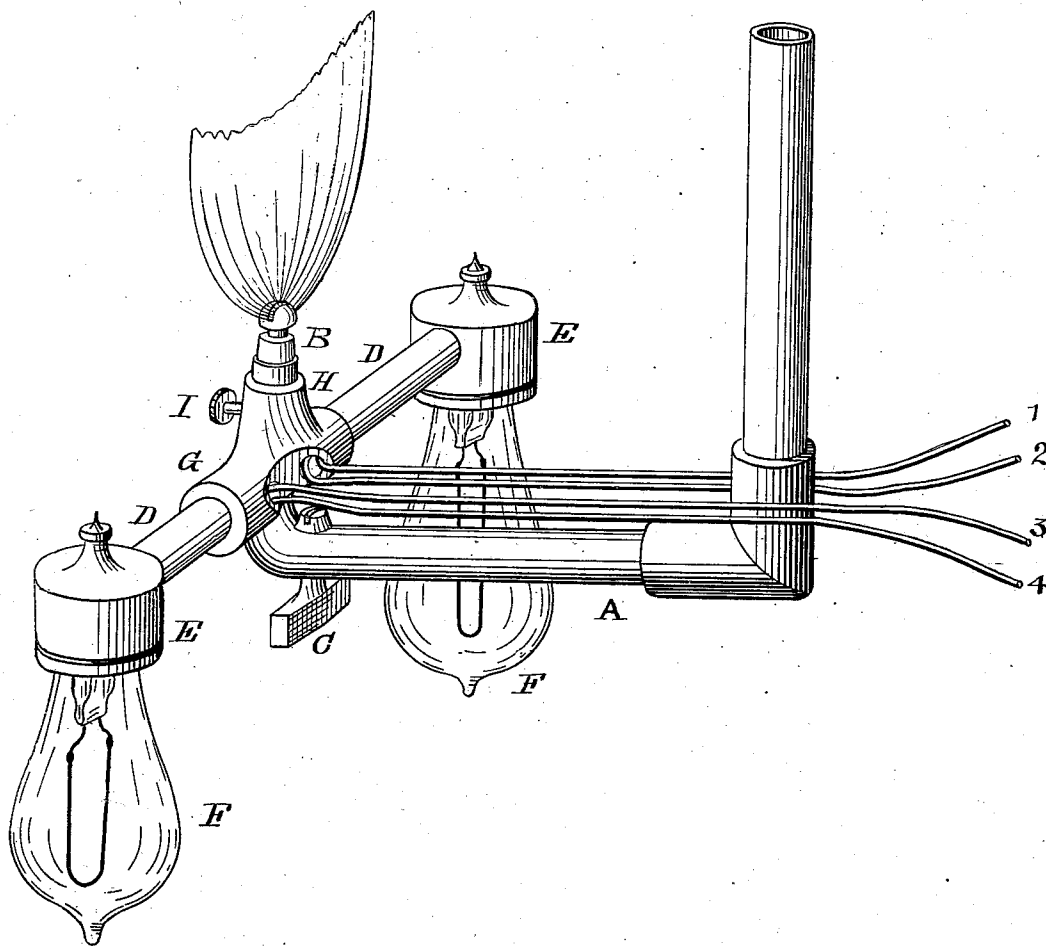
(No Model.)

E. H. JOHNSON.

COMBINED GAS AND ELECTRIC LAMP FIXTURE.

No. 256,701.

Patented Apr. 18, 1882.



WITNESSES:

D. D. Mott  
J. E. Clark.

INVENTOR:

E. H. Johnson  
BY  
Dyer & Miller  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

EDWARD H. JOHNSON, OF NEW YORK, N. Y.

## COMBINED GAS AND ELECTRIC-LAMP FIXTURE.

SPECIFICATION forming part of Letters Patent No. 256,701, dated April 18, 1882.

Application filed November 28, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD H. JOHNSON, of New York, in the county of New York and State of New York, have invented a new and useful Improvement in Combined Gas and Electric-Lamp Fixtures; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

When a house is fitted for electric lights which is already supplied with gas-fixtures it may be desired to so arrange the two systems that either may be used, or that they may be used simultaneously, the same fixture sufficing for both lights.

The object of this invention is to construct a fixture so that it may at any time be used either for incandescent electric lights or gas, or both, without in any way changing the nature of the fixture, and without requiring any more complicated operations than those of shutting on or off the gas, or making and breaking the electric circuit; and, further, to utilize the gas-fixtures already in the house for this purpose in a manner perfectly simple and easy of performance.

The annexed drawing is a perspective view of a gas-fixture having my invention attached to it.

A represents any ordinary gas-bracket, chandelier-arm, or other similar device, and B is any suitable burner attached to it in the usual way.

C is the cock for turning the flow off and on.

1 2 and 3 4 are the wires of two electric circuits.

D D is a hollow tube, which may be of any convenient form. On each end of the tube is a socket, E, for holding an incandescent electric lamp, F. The tube D D is provided with an opening at its center, through which the insulated wires of the circuits 1 2 and 3 4 enter,

one circuit passing to one lamp and one to the other. Circuit-controllers may be attached to the sockets or elsewhere in the circuits. A shoulder, G, is formed at the middle of the tube D, having a tubular projection or sleeve, H, extending upward from it, with an aperture below, this projection conforming in shape to the burner B and fitting over the same.

I is a set-screw.

It will thus be seen that the tube B, containing the wires and carrying the sockets and lamps, may be set directly upon the end of the gas-fixture by placing the sleeve H over the burner B and fixing it in position by the set-screw without in any way interfering with the flow of gas; that the gas can be turned on or off without interfering with the electric light; and that, as before stated, either variety of light may be used separately, or both together.

It is evident that the electric-light attachment may be used with any form of gas-fixture. It may not be necessarily the double lamp arrangement shown, for a single arm having a sleeve to place over the burner at one end and a lamp-socket at the other may easily be used.

What I claim as my invention is—

The combination, with an arm of a gas-fixture, of an incandescent electric lamp having proper wire connections, and attached to such arm by a ring or hollow support passing over the gas-burner, the gas-burner and the electric lamp being capable of use either simultaneously or independently of each other without changing their relative position, substantially as set forth.

This specification signed and witnessed this 19th day of September, 1881.

EDWARD H. JOHNSON.

Witnesses:

H. W. SEELY,  
RICH. N. DYER.