

(No Model.)

S. NELSON.
BASE FOR GAS BURNERS.

No. 271,653.

Patented Feb. 6, 1883.

Fig. 1.

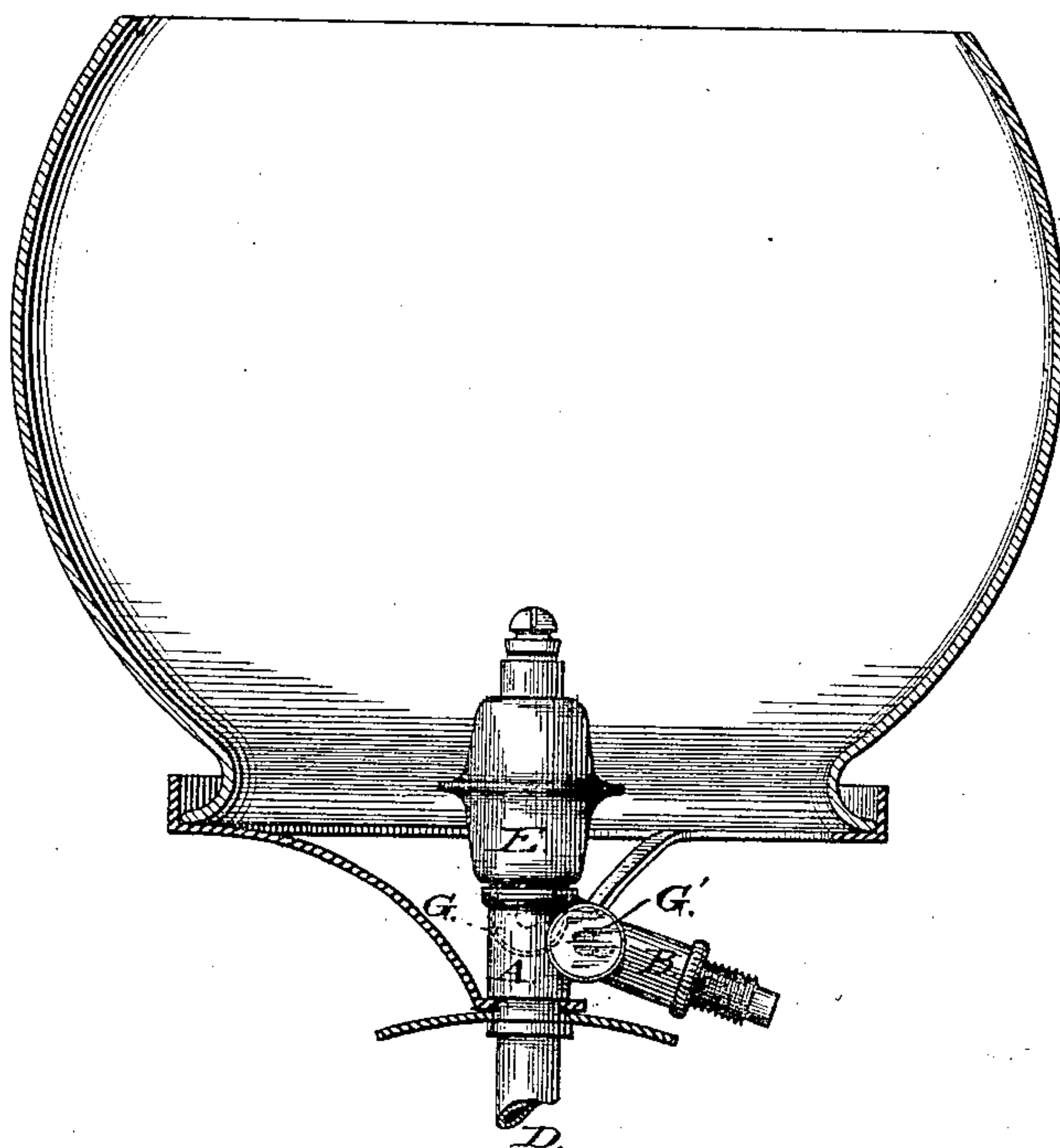


Fig. 3.

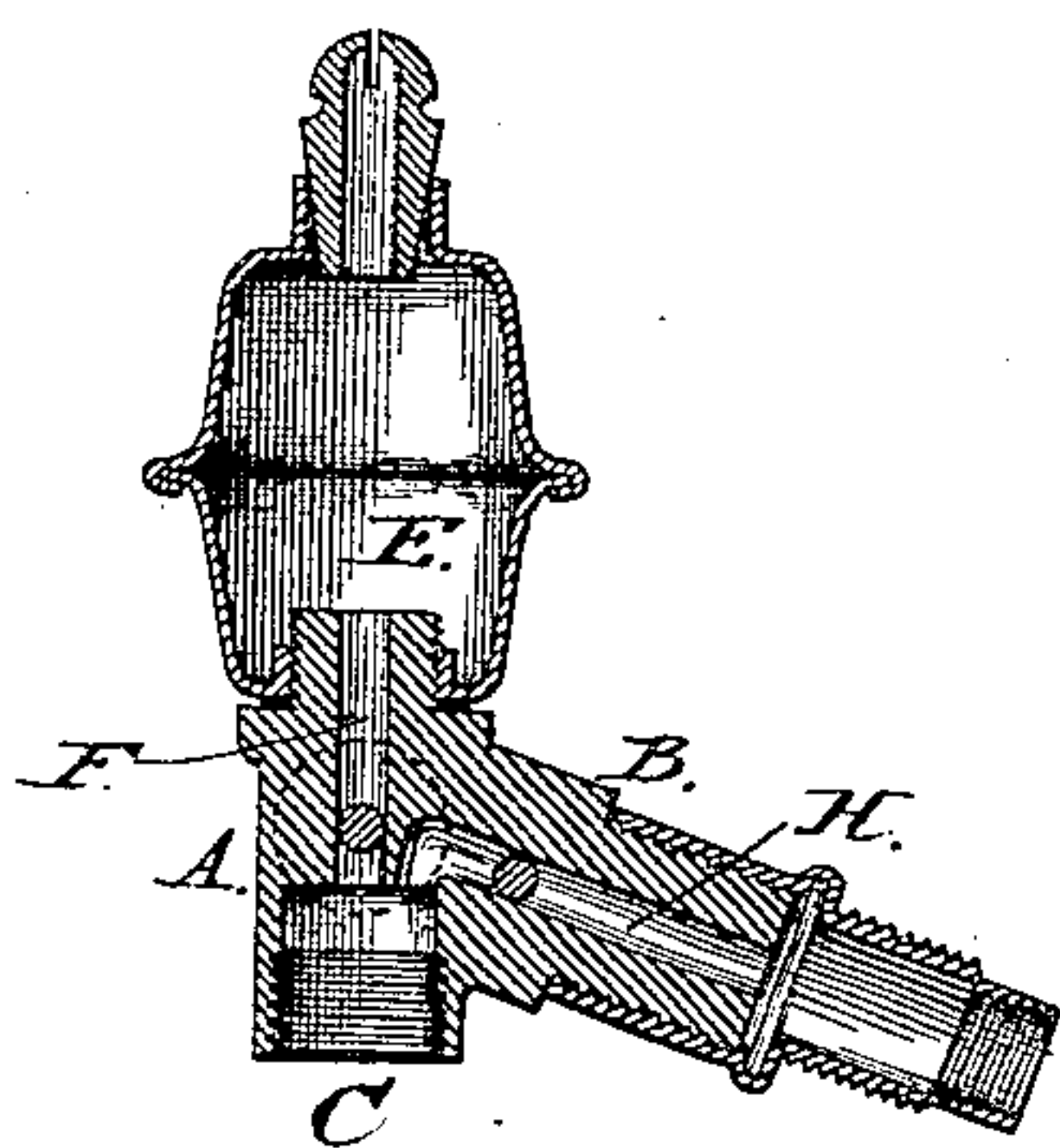
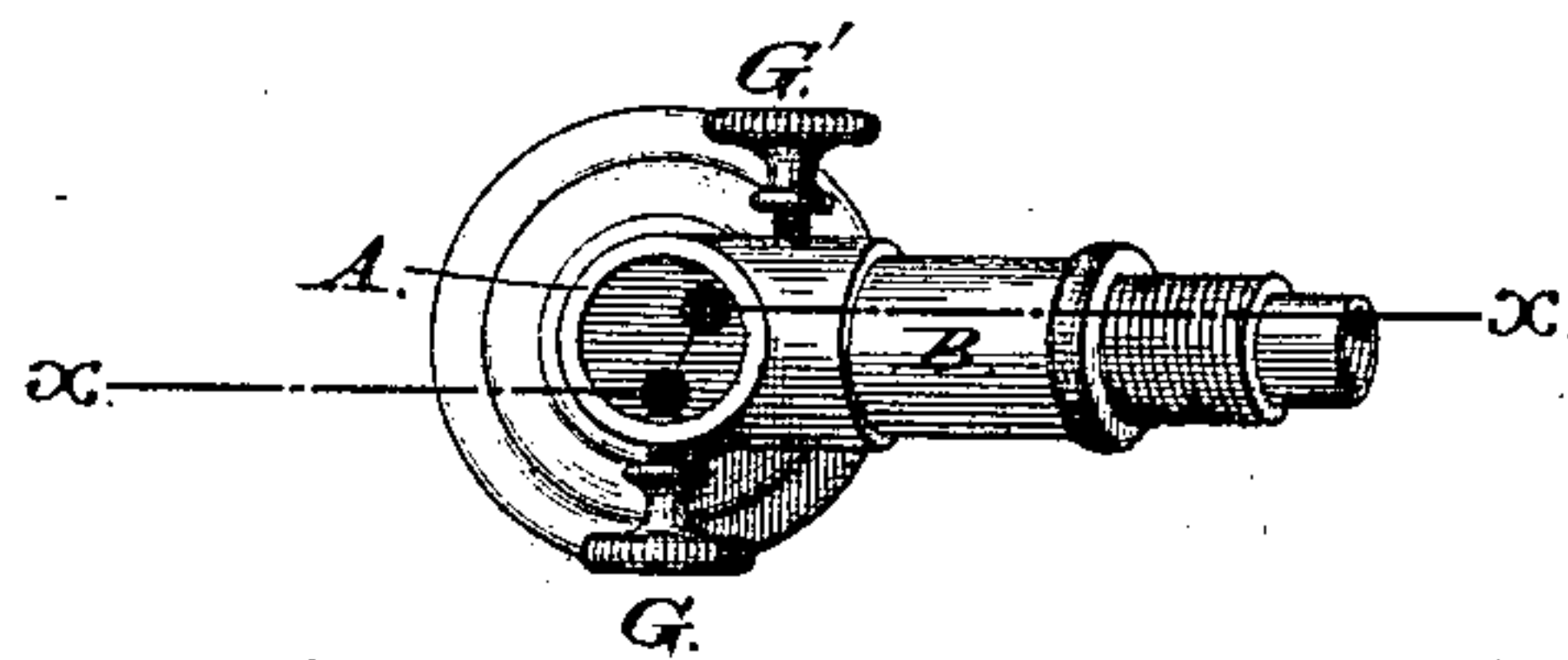


Fig. 2.



Witnesses:

John A. Ellis.
J. H. H. H.

Inventor:

Samuel Nelson
By David A. Burr

Attorney.

UNITED STATES PATENT OFFICE.

SAMUEL NELSON, OF BROOKLYN, NEW YORK.

BASE FOR GAS-BURNERS.

SPECIFICATION forming part of Letters Patent No. 271,653, dated February 6, 1883.

Application filed December 1, 1882. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL NELSON, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Bases for Gas-Burners; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to a base for gas-burners, made with a lateral arm adapted for the connection thereto of a drop-light tube.

Heretofore such a device has been constructed with a bifurcated channel for the flow of gas to the burner and drop-light, controlled by a single valve, so that the flow of gas may be directed to the burner and drop-light at the same time, or to either alone. This device is comparatively complicated and expensive, and necessitates the use of a separate cock or valve below the base to shut off the gas from both burner and drop-light.

The object of my invention is to simplify the construction of the base and provide for an independent control of each of the passages therein; and it consists of a simple base formed to fit upon the end of a gas-tube in the customary manner, and to receive a gas tip or burner of any approved description, provided with a lateral arm or offset cast in one piece with said base, and threaded to receive the fitting of a flexible tube, and with separate passages for the flow of gas from the lower end of the base, both to the burner and to the drop-light, each fitted with an independent stop or valve, whereby either may be opened or closed without reference to the other, and the use of a third distinct valve or cock to control the flow of gas to the base thereby dispensed with.

In the accompanying drawings, Figure 1 is an elevation of my improved base fitted with burner and glass shade, the latter being in section; Fig. 2, a bottom view of the base, and Fig. 3 a longitudinal section in line *x x* of Fig. 2.

My improved base for gas-burners is cast of metal, in substantially the form illustrated in Figs. 1 and 3, with a main stem, A, and a lateral arm, B. The main stem terminates in a socket, C, Fig. 3, which is threaded internally

to fit upon the standard screw-thread of a gas-tube, D, Fig. 1, and its upper end is threaded exteriorly to receive any standard form of burner, E. A direct passage, F, is formed between the socket and burner, and governed by a small valve or screw-plug operated by a thumb-screw, G, Fig. 2. The lateral arm B projects from the main stem A at an angle more or less acute therewith, so as to extend outward therefrom, with a downward inclination when the stem is fitted vertically upon the gas-tube, as shown in Fig. 1. The end of the arm is threaded exteriorly to receive a suitable nipple for connecting thereto a flexible tube for use with a drop-light. An independent passage, H, Fig. 3, is pierced from the socket through to the outer end of the arm B, and is governed by a valve or screw-plug operated by a thumb-nut, G'.

With this improved base the necessity of a bent tube to pass over the edge of the glass globe, in order to use a drop-light in connection therewith, is avoided, and the simultaneous use of both a main burner and drop-light is simply provided for, while the flexible drop-light tubing is entirely removed from the possibility of contact with the burner, and its attachment and detachment may at all times be readily accomplished with ease and facility. My improved base and drop-light attachment can, moreover, be fitted to any gas-pipe as readily as an ordinary burner.

I claim as my invention—

The combination, in a duplex base for gas-burners, with its main stem A adapted to fit upon a gas-tube, and its lateral arm B adapted to receive a flexible drop-light tube, of separate independent passages F H, leading from the lower end of the base through the stem to the burner, and through the arm to the drop-light tube, and of independent valves G G, separately controlling said passages, all substantially in the manner and for the purpose herein set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL NELSON.

Witnesses:

DANIEL R. GARDEN,
DAVID A. BURR.