

J. W. FARLEY.
VENTILATING DEVICE.
APPLICATION FILED JUNE 5, 1908.

904,767.

Patented Nov. 24, 1908.

Fig. 1.

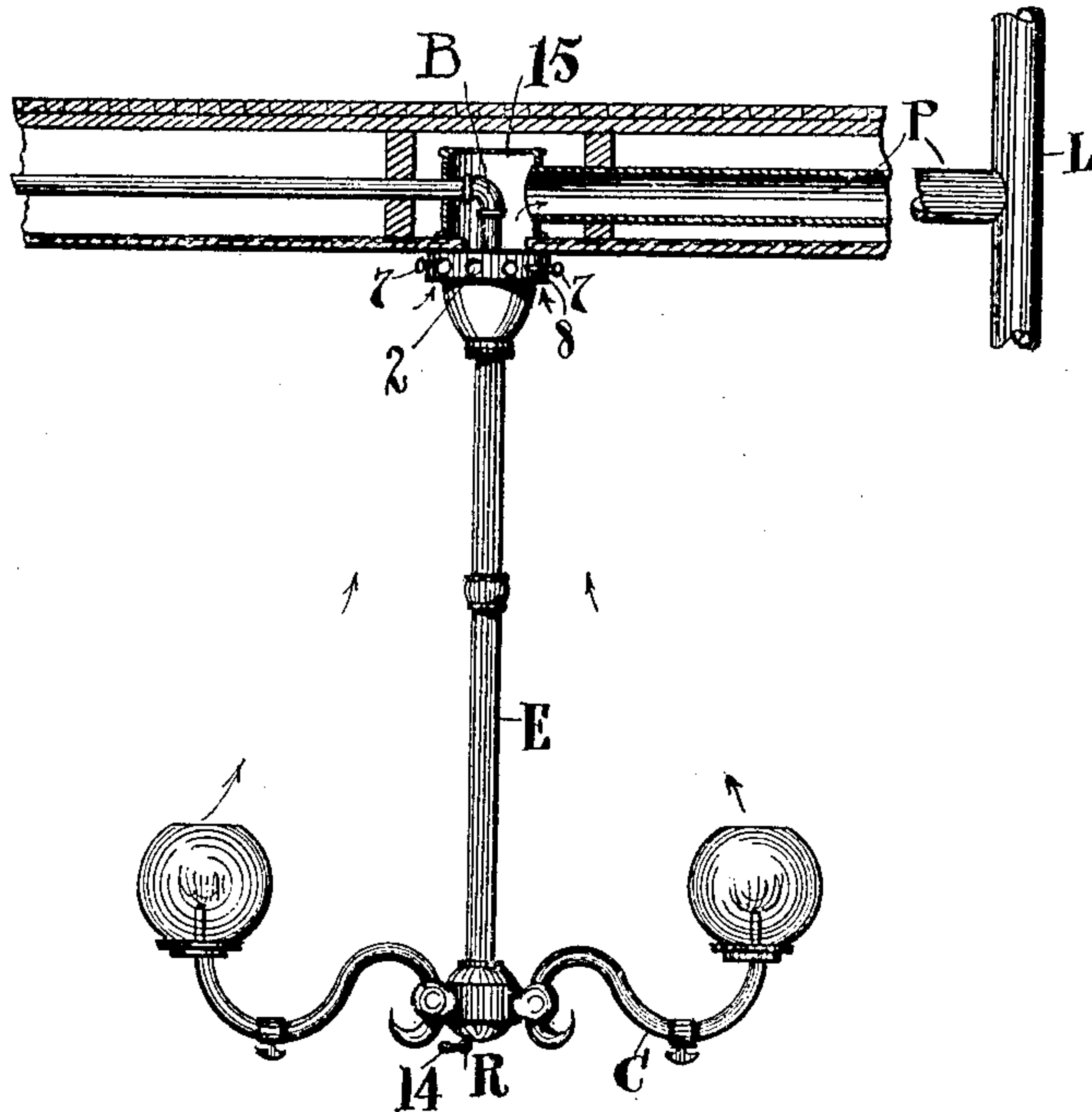
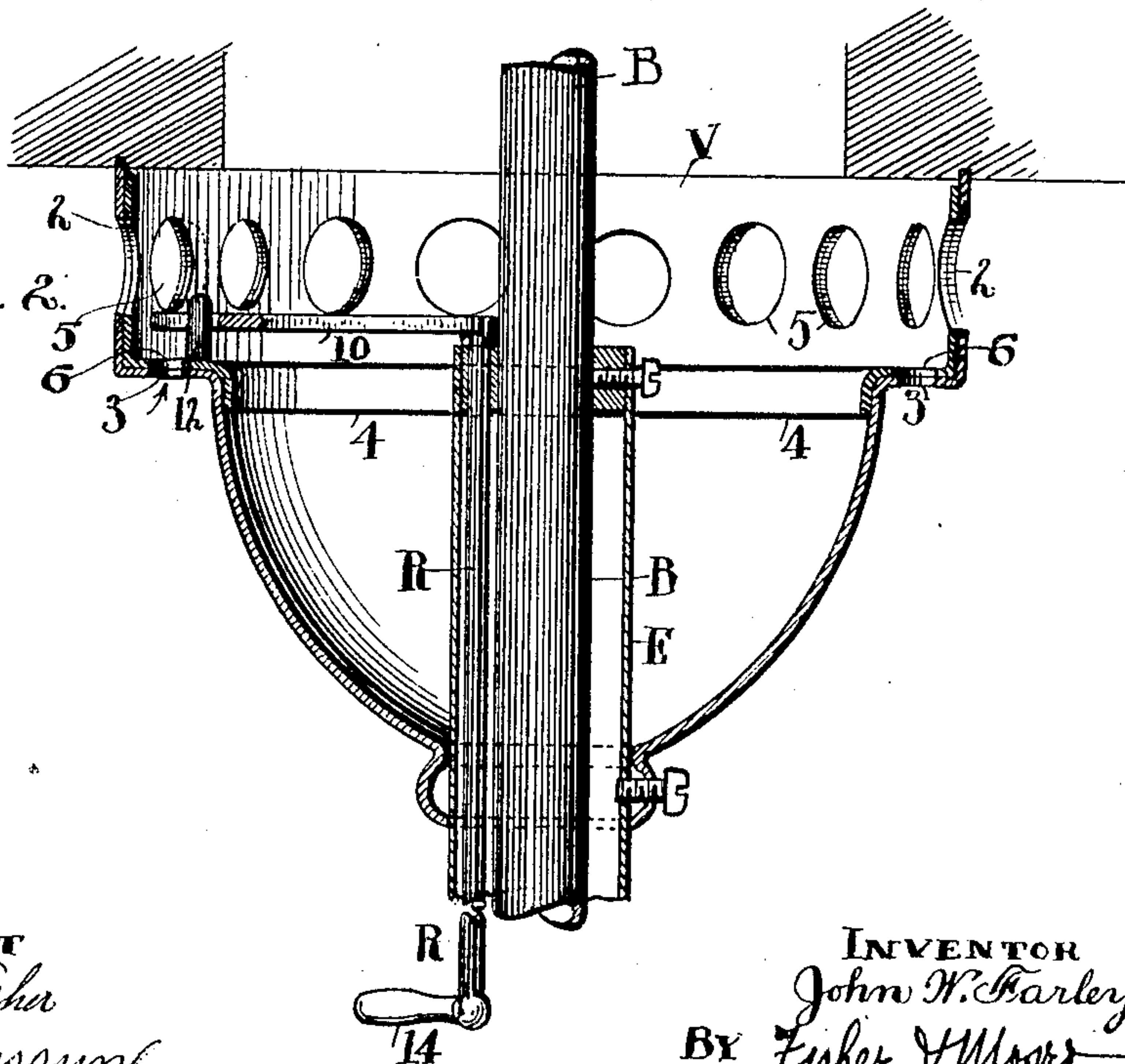


Fig. 2.



ATTEST
E. M. Fisher
J. C. Mussum

INVENTOR
John W. Farley.
BY Fisher & Moore ATTYS.

UNITED STATES PATENT OFFICE.

JOHN W. FARLEY, OF CLEVELAND, OHIO.

VENTILATING DEVICE.

No. 904,767.

Specification of Letters Patent.

Patented Nov. 24, 1908.

Application filed June 5, 1908. Serial No. 436,850.

To all whom it may concern:

Be it known that I, JOHN W. FARLEY, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Ventilating Devices, and do declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in ventilating devices, and the invention consists in the construction and combination of parts, substantially as shown and described and particularly pointed out in the claims.

Figure 1 is an elevation of a chandelier with parts above the same in section, and Fig. 2 is an enlarged sectional elevation of the immediate ventilating portion of the chandelier, as hereinafter more fully described.

C represents the chandelier, and B the inner pipe connected therewith and which is also the gas supplying pipe. This pipe may have its usual construction and connections, and likewise the inclosing pipe or tube E which encircles the inner pipe B and sustains the usual relations to said pipe and the chandelier. The invention practically begins at the top of said tube E in the dome B, the distinguishing feature of which is that it is usually a ventilating dome having two series of openings 2 and 3, respectively, about the same, but one or the other of these series might be omitted in some cases.

V represents an annular valve which is shaped to seat within the top portion of the dome, and has a down-turned flange 4 at its inner edge and holes or openings 5 and 6 which correspond to the openings 2 and 3 and register therewith, as seen in Fig. 2, so as to have an open passage entirely about the top of the dome into the interior thereof. The said valve member V is of ring shape, except as it has the right angled seating portion with the holes 6 and the flange 4 beneath, and it is adapted to be rotated within limits to open or more or less close the said holes 2 and 3 according as more or less ventilation is desired through this channel. Any suitable means may be employed for rotating the said valve member V to affect the desired adjustment thereof, and in Fig. 1 I show headed pins 7 pro-

jecting from the side of said valve through slots 8 in the dome, whereby adjustment may be made by reaching said pins from the floor by any suitable means. In Fig. 2 I show a more convenient arrangement for making said adjustment consisting in a handled rod R projecting down between the tubes B and E within reach from the floor, and said rod having an arm 10 at its top adapted to engage a stem or post 12 on the said valve member, said arm 10 being slotted to make such engagement and serving by the rotation of the said rod R through its handle 14 to move the valve or valve member as far as may be desired in either direction. In this way I can govern the outflow from about the chandelier and the room and can have more or less ventilation as may be desired. The atmosphere thus drawn off through the dome discharges into the space between the ceiling and the next floor above and is carried off by pipe P to a flue L which may be any suitable ventilating flue, chimney, or the like, so that the air drawn off will pass to the outside. A box shaped closure 15 is shown in the opening of the ceiling immediately over and within said dome with which the pipe makes connection. This affords a complete system for drawing off the heat arising from the chandelier, and which is particularly suitable in warm weather and also affords a means of ventilation for an otherwise closed room, and which, by its arrangement over the chandelier, carries off the poisonous gases that arise from combustion as well as impure air that collects at the ceiling and establishes circulation of air in the room, which is healthful and enjoyable.

Windows alone will not properly ventilate a room unless constructed the full height of the room and which is seldom the case. But with my arrangement wherein the ventilating dome of the chandelier is at the very top of the room, and perfect ventilation is assured and which is furthermore induced because of the natural tendency of the heat from the chandeliers to rise to the ceiling at this point.

The invention is not limited to chandeliers alone such as shown, but may be applied to drop-lights or electrical fixtures of various kinds, or may be even used independently of a light fixture.

What I claim is:

1. A dome for a chandelier open across its top and constructed at its top edge to seat against a ceiling and having a right angled upper annular portion provided with a series
5 of openings for the admission of air, in combination with a rotatable valve member on the inside thereof having openings adapted to register with the said openings in the dome, a tube projecting into the dome
10 through the bottom thereof, and means supported by said tube operatively engaged with said valve member.

2. A ventilating dome for a chandelier having an outwardly extending shouldered top
15 portion open entirely across its top, a rotatable valve on the inside of said dome in said shouldered portion and corresponding ventilating openings through the dome and valve, a rotatable rod depending through the
20 bottom of the dome and an arm thereon en-

gaged with a stud on the said valve to rotarily adjust the same.

3. A dome for a chandelier circular in shape and open across its top and provided with ventilating openings about its top por- 25
tion, in combination with a substantially ring shaped valve member within said top portion provided with openings adapted to register with said openings in the dome and
30 a rigid rod suspended from within said dome and an arm thereon engaged with said valve member and adapted to rotate said member, and flue connections from the top of said dome.

In testimony whereof I sign this specification in the presence of two witnesses. 35

JOHN W. FARLEY.

Witnesses:

E. M. FISHER,
R. B. MOSER.