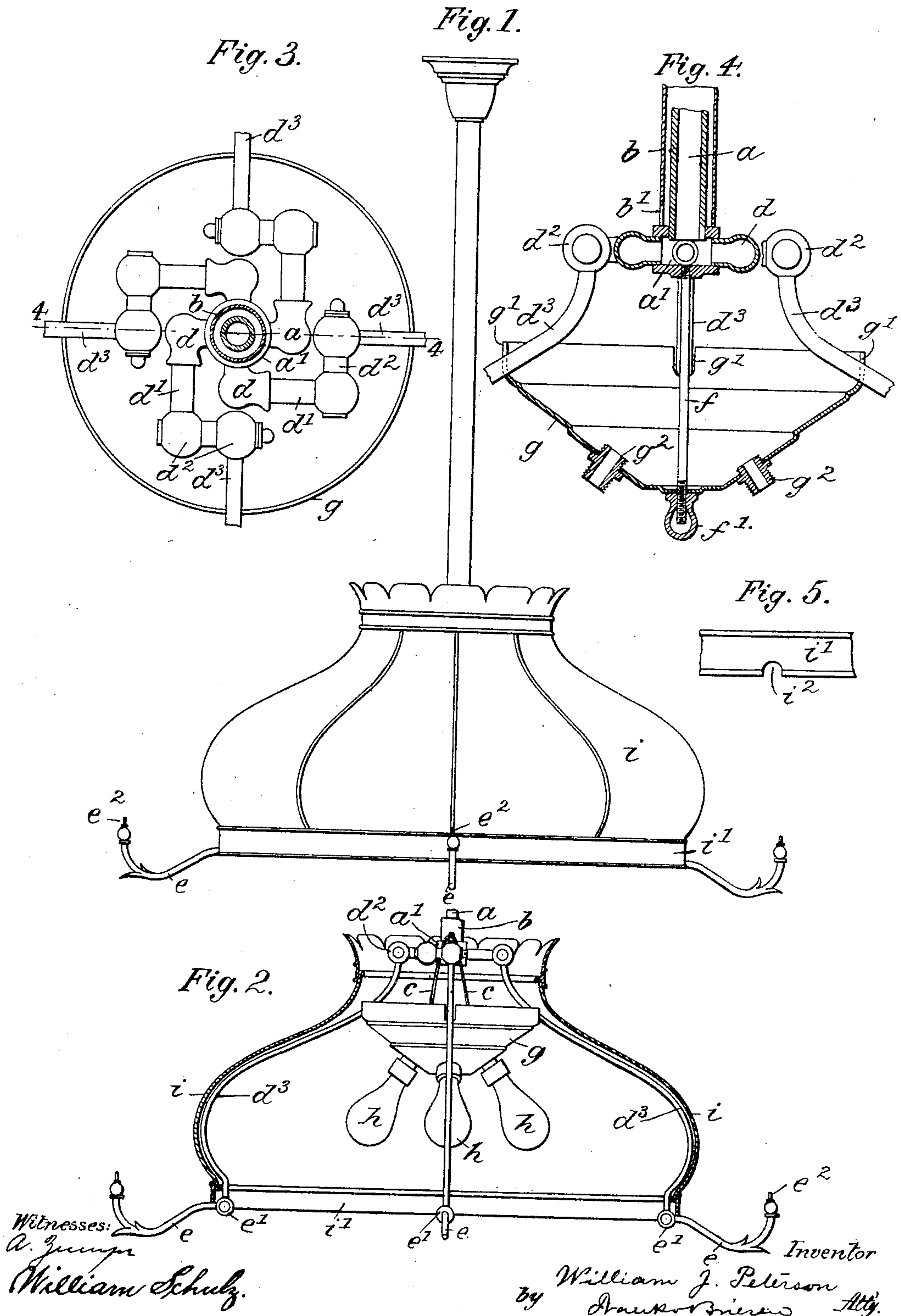


No. 810,429.

PATENTED JAN. 23, 1906.

W. J. PETERSON.  
CHANDELIER.

APPLICATION FILED AUG. 22, 1905.





# UNITED STATES PATENT OFFICE.

WILLIAM J. PETERSON, OF NEW YORK, N. Y.

## CHANDELIER.

No. 810,429.

Specification of Letters Patent.

Patented Jan. 23, 1906.

Application filed August 22, 1905. Serial No. 275,214.

To all whom it may concern:

Be it known that I, WILLIAM J. PETERSON, a citizen of the United States, residing at New York city, Brooklyn, county of Kings, State of New York, have invented new and useful Improvements in Chandeliers, of which the following is a specification.

This invention relates to a chandelier which is so constructed that its shade may be removed for the purpose of shipping, cleaning, or repair without disturbing the flow of the illuminating medium and that the chandelier may be readily restored to a working condition after the shade has been removed.

In the accompanying drawings, Figure 1 is a side elevation of a chandelier embodying my invention; Fig. 2, a section partly in elevation thereof; Fig. 3, a top view, partly in section, of the couplings; Fig. 4, a section on line 4 4, Fig. 3; and Fig. 5, a detail of part of the shade-rim.

The chandelier may be either adapted for gas or for electric light or for gas and electric light jointly, the drawings showing the latter construction.

The letter *a* indicates the tubular stem or gas-pipe of the chandelier adapted to be suspended from the ceiling and terminating at its lower end in a distributing-head *a'*. The pipe *a* is surrounded by an outer pipe *b*, within the annular space between which and pipe *a* the electric conducting-wires *c* are inclosed, such wires passing outward through a lower opening *b'*. With chamber *a'* communicate a suitable number of distributing-nipples, (shown to consist of elbow *d* and tube *d'*.) To the end of each tube *d'* there is connected by hinge *d<sup>2</sup>* one of the foldable arms *d<sup>3</sup>* of the chandelier, such arm being free to swing in a vertical plane. Each arm is preferably of ogee form and provided with an extension *e*, connected thereto by a stiff joint *e'*, such extension carrying the illuminating bulb or burner *e<sup>2</sup>*.

From the head *a'* depends a screw-rod *f*, which is surrounded by a conical plate or cap *g*. This cap is perforated at its center to permit the passage of rod *f*, the lower threaded end of which carries a nut *f'*. This nut serves to removably connect cap *g* to rod *f*, and consequently to head *a'*. The upper edge of cap *g* is notched, as at *d'*, in alignment with each of the arms *d<sup>3</sup>*, such cap therefore constituting a support that sustains the arms in their open or unfolded position. By un-

screwing nut *f'* this support is withdrawn, so that arms *d<sup>3</sup>* may be readily folded inward. The cap *g* is provided with a series of nipples *g<sup>2</sup>*, to which electric-light bulbs *h* may be coupled.

The shade *i* surrounds the arms *d<sup>3</sup>*, upon the extensions *e* of which it is adapted to be supported. At its lower end the shade *i* is provided with a rim *i'*, having notches *i<sup>2</sup>*, adapted for the reception of the extensions *e*. Normally the shade is supported by the arms *d<sup>3</sup>* *e*, and the latter are in turn supported in their open position by cap *g*. When it is desired to remove the shade, nut *f'* is unscrewed, cap *g* is removed, and the arms are folded inward, so that the shade may be thus been removed the chandelier may be restored to its working position by swinging the arms outward and relocking them in position by means of cap *g* and nut *f'*.

It will be seen that by my invention the shade may be readily removed and replaced in a simple manner and by unskilled labor, that the removal of the shade does not in any way interfere with the flow of gas or electricity to the burners, and that the chandelier is in proper operative condition either with or without the shade.

What I claim is—

1. A chandelier provided with a stem, a rod depending therefrom, a cap engaging the rod, means for locking the cap to the rod, and arms foldably connected to the stem and adapted to be supported on the cap, substantially as specified.

2. A chandelier provided with a stem, a screw-rod depending therefrom, a perforated cap surrounding the rod, a nut on the rod that engages the cap, and arms foldably connected to the stem and adapted to be supported by the cap, substantially as specified.

3. A chandelier provided with a stem, a cap, means for removably securing the cap to the stem, arms foldably connected to the stem and adapted to be supported by the cap, and a shade adapted to be supported by the arms, substantially as specified.

Signed by me at New York city, (Manhattan,) New York, this 21st day of August, 1905.

Witnesses:

EDWARD O. COLES,  
FRANK V. BRIESEN.

WILLIAM J. PETERSON.