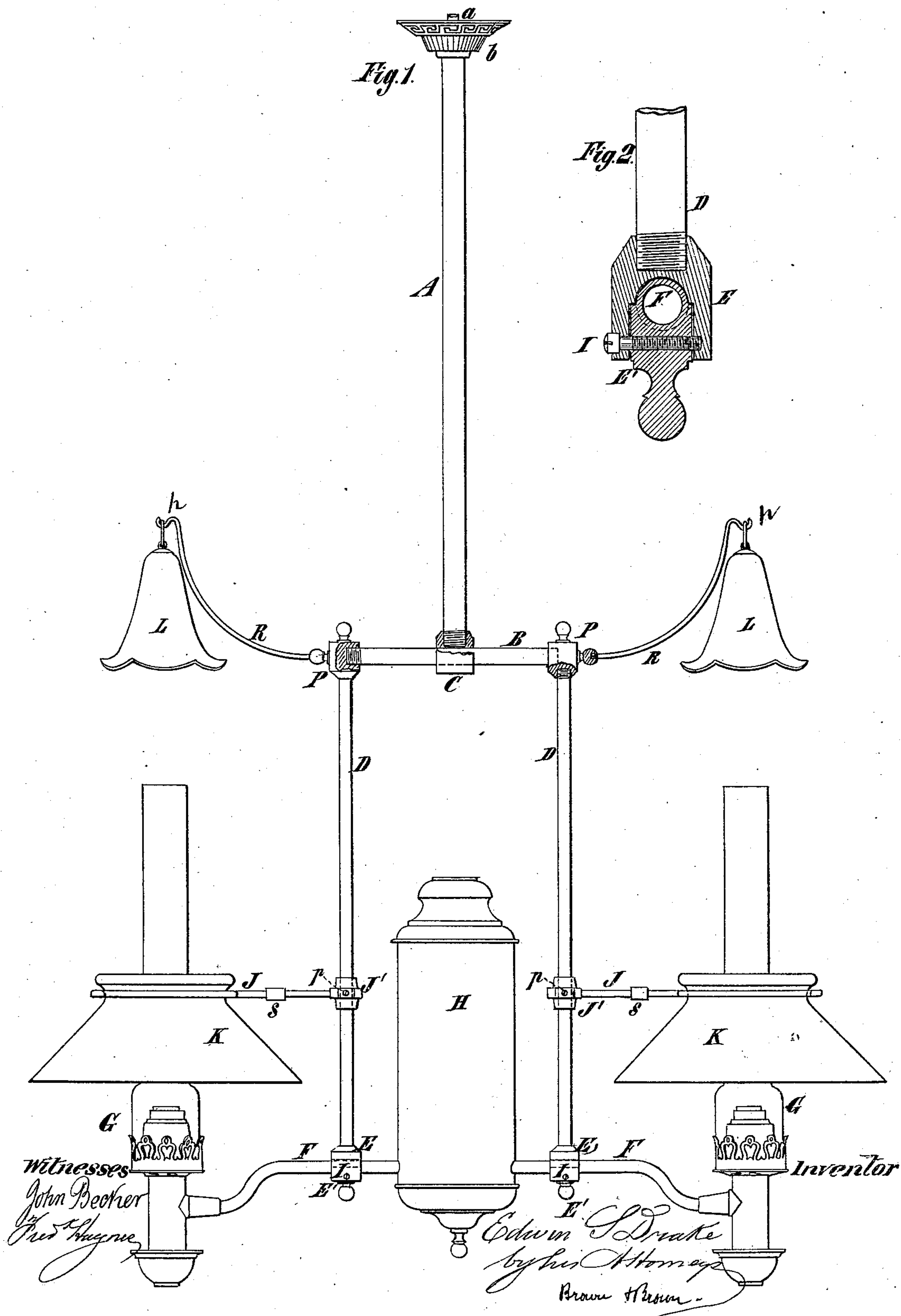


E. S. DRAKE.  
Chandelier:

Chandelier:

**No. 237,834.**

**Patented Feb. 15, 1881.**



# UNITED STATES PATENT OFFICE.

EDWIN S. DRAKE, OF BROOKLYN, NEW YORK.

## CHANDELIER.

SPECIFICATION forming part of Letters Patent No. 237,834, dated February 15, 1881.

Application filed January 10, 1880.

*To all whom it may concern:*

Be it known that I, EDWIN S. DRAKE, of Brooklyn, in Kings county, and State of New York, have invented certain new and useful  
5 Improvements in Chandeliers, of which the following is a specification.

My invention consists in the combination, in a chandelier, of vertical supporting-rods, arms, or supply-tubes, and a novel construction of coupling pieces or blocks composed of  
10 two sections for connecting said supporting-rods and said arms or supply-tubes.

It also consists in the combination, in a chandelier, of a novel arrangement of a suspending-rod, a cross-rod, a coupling-piece connecting the two, supporting-rods, coupling-pieces for connecting said supporting-rods to said cross-rod, and smoke-bell rods or brackets, also connected to and supported by the  
20 last said coupling-pieces.

In the accompanying drawings, Figure 1 is a side view of a chandelier embodying my improvements, certain parts being shown in section; and Fig. 2 is a transverse section of a  
25 portion of the same, illustrative of one of its details.

Similar letters of reference designate corresponding parts in both figures.

A designates the suspending-rod, which may  
30 consist of a round or angular pipe, provided at the top with a suspension-loop, *a*, concealed, if desirable, by a canopy, *b*.

B designates a cross-rod, which may consist of a pipe connected to the suspending-rod A by a coupling-piece, C, represented as screwed onto the lower end of the suspending-rod A and as receiving the cross-rod B through it.

D designates rods, which may consist of pipes extending downwardly from the cross-rod B, and connected thereto, as here shown, by means of coupling-pieces P, into which the ends of the cross-rod B and downwardly-extending rods D are screwed at right angles to each other. The rods D are connected by coupling pieces or blocks E E' to the supply-tubes F of two lamps or burners, G, of any desirable style, communicating with an oil-reservoir, H, common to both, and located between the rods D; hence said rods D support both the  
45 lamps and their reservoir. As the rods D are connected to the supply-tubes F without pass-

ing through them or cutting them, there is no danger of leakage, and ordinary tubing may be employed without modification for said supply-tubes.

The coupling pieces or blocks E E' (see particularly Fig. 2) consist of two parts or sections, one, E', of which is affixed or applied to the under side of the supply-tubes F, and the other, E, of which is screwed or otherwise affixed to the lower end of each of the supporting-rods D, and is bifurcated to embrace the part E, so that a screw, I, passing transversely through them, screws them together. These coupling-pieces provide for readily detaching  
55 the lamps and their reservoir from other parts of the chandelier for packing or other purpose.

J designates shade-holders, consisting, as here illustrated, of pairs of fingers bent to embrace the upper part of shades K, and which may be held in contact with the same by a slide or ring, *s*, embracing their shanks, but which may, when the slide or ring is moved inward, be sprung apart to release the shades. These fingers extend from stocks J', fitting adjustably on the rods D, and held in position thereon by set-screws *p*. The rods D therefore form supports for the shade-holders and shades, as well as for the lamps and their reservoir. These shade-holders, in themselves, form no part of my present invention, but have been made the subject of another application for Letters Patent. As the rods D are vertical, the shade-holders may be adjusted upward and downward without altering the concentricity of the shades with burners.  
60 65 70 75 80 85

R designates rods or brackets extending from the coupling-pieces P, for the support of smoke-bells L, which may be hung from hooks *h* thereon, or may be otherwise suspended therefrom. These rods R may be screwed in the coupling-pieces, or may be otherwise secured thereto.  
90

It will be seen that by my invention I produce a chandelier which may be made of straight rods or pipes, save as regards the lamps and their reservoir, one which has a very tasty and ornamental appearance, and withal one which is very simple and cheap in construction.  
95 100

The invention is applicable to gas-chandeliers as well as chandeliers for oil-lamps.



I am aware that chandeliers have been made in which the supply tubes or arms are detachably supported by suspending-rods which pass through said tubes or arms. I am also aware  
5 that it is old to employ in a chandelier vertical supporting-rods and supply tubes or arms connected to said rods by means of T-shaped coupling-pieces. I am also aware that chandeliers have been made in which a single ver-  
10 tical rod served the double purpose of supporting lamps and also supporting smoke-bells by means of rods affixed to and extending from said vertical rod; and I therefore do not claim any of these as my invention.

15 What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, in a chandelier, of the vertical supporting-rods D, the arms or supply-tubes F, and the coupling-pieces, composed  
20 of the section E', applied to the under side of the supply-tube, and the section E, provided

with a screw-socket, whereby it is attached to the rod D and forked to embrace the supply-tube and the other section and the screw I, extending transversely through and into said  
25 coupling-pieces, whereby the rods D may be connected to the supply-tubes F without passing through them, substantially as and for the purpose specified.

2. The combination, in a chandelier, of the  
30 suspending-rod A, cross-rod B, coupling-piece C, supporting-rods D, coupling-pieces P, and smoke-bell rods or brackets R, the said coupling-pieces P serving the double purpose of connecting the cross-rod B with the supporting-  
35 rods D and of sustaining the smoke-bell rods or brackets R, substantially as specified.

EDWIN S. DRAKE.

Witnesses:

FREDK. HAYNES,  
T. J. KEANE.