

(No Model.)

S. HOROWITZ.  
OIL AND GAS CHANDELIER.

No. 304,645.

Patented Sept. 2, 1884.

Fig. 1.

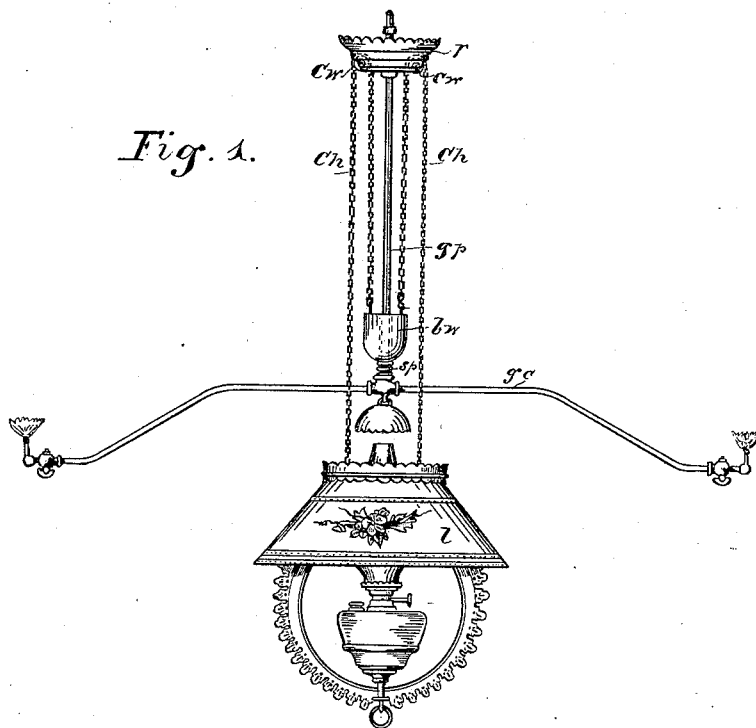
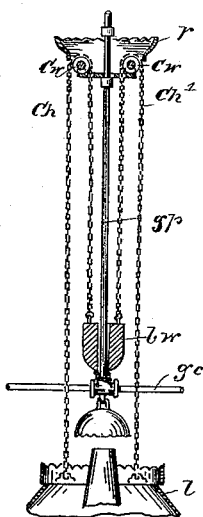


Fig. 2.



WITNESSES.  
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# UNITED STATES PATENT OFFICE.

SAMUEL HOROWITZ, OF INDIANAPOLIS, INDIANA.

## OIL AND GAS CHANDELIER.

SPECIFICATION forming part of Letters Patent No. 304,645, dated September 2, 1884.

Application filed December 1, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL HOROWITZ, a resident of Indianapolis, Marion county, Indiana, have made certain new and useful improvements in Combined Oil and Gas Chandeliers, a description of which is set forth in the following specification, reference being made to the accompanying drawings, in the several figures of which like letters indicate like parts.

My invention relates to chandeliers adapted for both oil and gas, so that either may be used when desired without changing or detaching any part of the fixture.

In the drawings, Figure 1 is a perspective view of my invention; and Fig. 2 is a view of the lamp-suspending device, a part being in vertical section.

In detail, *gp* is the gas-pipe of an ordinary gas-chandelier, having arms *gc*, with gas-burners at their ends, and this is screwed to the supply-pipe at the ceiling in the ordinary way. A rosette, *r*, provides bearings for chain-wheels *cw*, over which pass the suspending-chains *ch*, one end of which is attached to the lamp *l*, and the other to the balance-weight *bw*, which is centrally bored to admit the gas-pipe *gp*, up and down which the weight is moved as the lamp descends and ascends. This weight *bw*, when down, rests upon a spring, *sp*, which receives any blow and prevents injury to the parts. Any elastic substance could be used for this purpose. The

smoke-bell of the lamp is conveniently suspended from the T-coupling that unites the main pipe and arms of the gas-chandelier. By this arrangement the oil-lamp hanging below the gas-fixture may be used when desired and drawn down or pushed up at will without interfering at all with the operation of the gas-fixture, and the latter may be used at will without interfering with the oil-lamp, and the two can be combined cheaply and efficiently in the manner herein shown, and herein my invention lies.

I am aware of the devices shown in Letters Patent issued to Clark, May 9, 1876, and numbered 177,096, and to Loth, No. 47,312, issued April 18, 1865, and disclaim the invention of the same.

What I claim, and desire to secure by Letters Patent, is the following:

1. The oil-lamp *l*, with its balance-weight and suspending chains and pulleys, in combination with the gas-pipe *gp*, substantially as described.

2. The oil-lamp *l*, balance-weight *bw*, chains *ch*, pulleys *cw*, rosette *r*, gas-pipe *gp*, having arms *gc*, and burners, all combined substantially as and for the purpose described.

In witness whereof I have hereto set my hand this 26th day of November, 1883.

SAML. HOROWITZ.

Witnesses:

C. P. JACOBS,  
E. E. SICKLER.