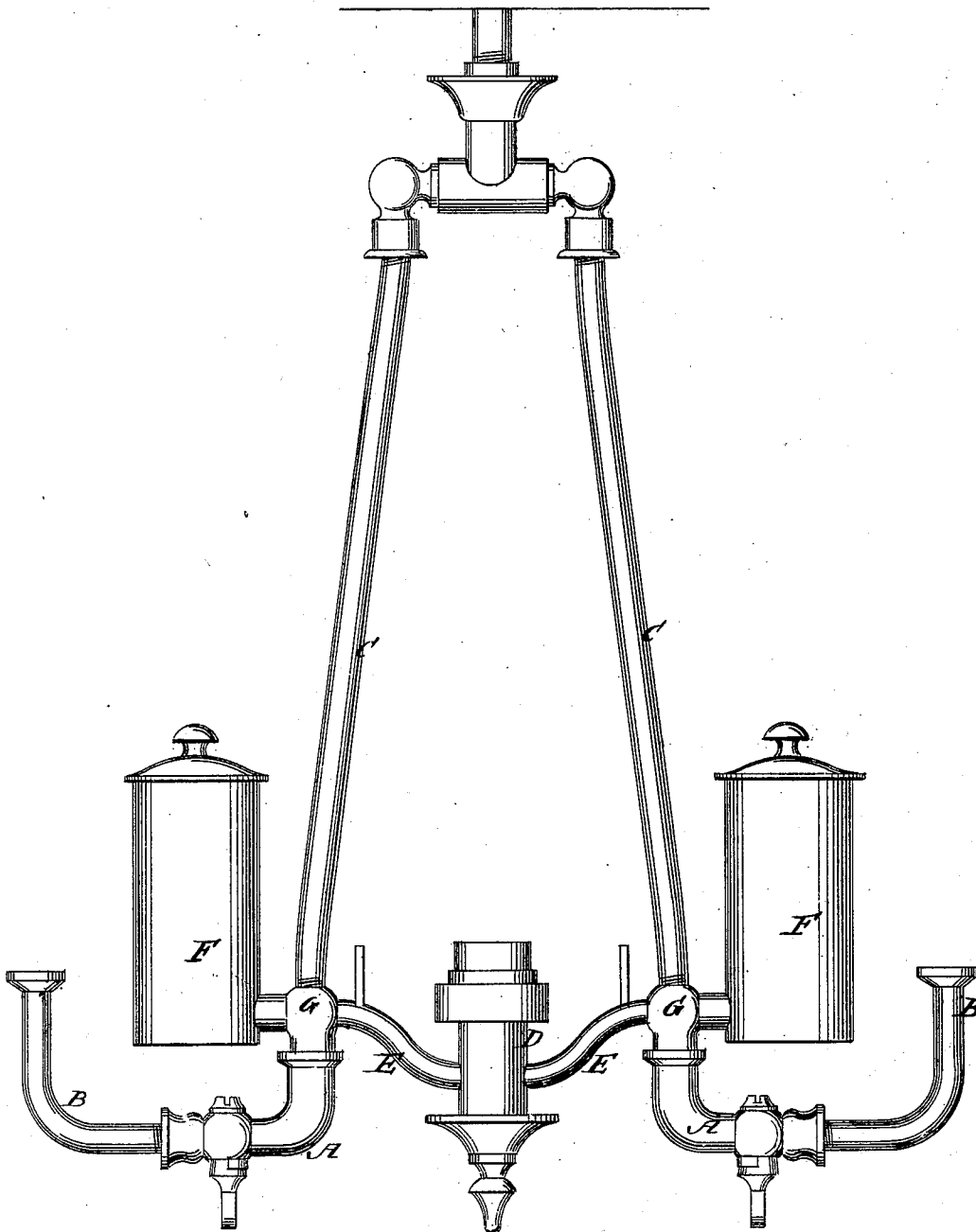


G. P. CLARK.

COMBINED GAS AND OIL CHANDELIER.

No. 177,096.

Patented May 9, 1876.



WITNESSES:

E. Wolff.
John Goethals

INVENTOR:

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BY

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UNITED STATES PATENT OFFICE.

GEORGE P. CLARK, OF NEWTON, MASSACHUSETTS.

IMPROVEMENT IN COMBINED GAS AND OIL CHANDELIERS.

Specification forming part of Letters Patent No. **177,096**, dated May 9, 1876; application filed April 18, 1876.

To all whom it may concern:

Be it known that I, GEORGE P. CLARK, of Newton, Middlesex county, Massachusetts, have invented a new and Improved Combined Gas and Oil Chandelier, of which the following is a specification:

My invention is a contrivance of oil-burners, in the center portion of a gas-chandelier, the outer burners of which are to burn the gas in the ordinary way, the oil being to increase the light and lessen the expense, and at the same time make a chandelier, not differing in appearance essentially from the common gas-chandelier.

The drawing is a side elevation of my improved combined gas and oil burner.

A represents the arms of the gas-burners B, which I connect with the branching gas distributing and suspending pipes C, instead of a single pipe in the center. D represents an argand oil-burner, located in the center of the chandelier, and supported by the oil-tubes E, connecting the burner with the oil-tanks F, to supply the oil. These pipes connect with the

the pipes C by the bulbs G, to be supported by them, and they have passages for the oil through the bulbs not intersecting the gas-passages, so that there is no interference of one with the other. The pipes E may form a ring within more widely-extended branches C, on which more oil-burners may be arranged, if preferred.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A chandelier, having one or more oil-burners in the middle portion, together with oil-tanks F, to supply them, and also having outer gas-burners, substantially as specified.

2. The branched suspending and gas-conducting pipes C, gas burner branches A B, oil-pipe E, tanks F, and the oil-burners D, combined and arranged substantially as specified.

GEORGE P. CLARK.

Witnesses:

HENRY BEMIS,
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