

P. CAVALIER.
Reflector.

No. 210,094.

Patented Nov. 19, 1878.

Fig. 1.

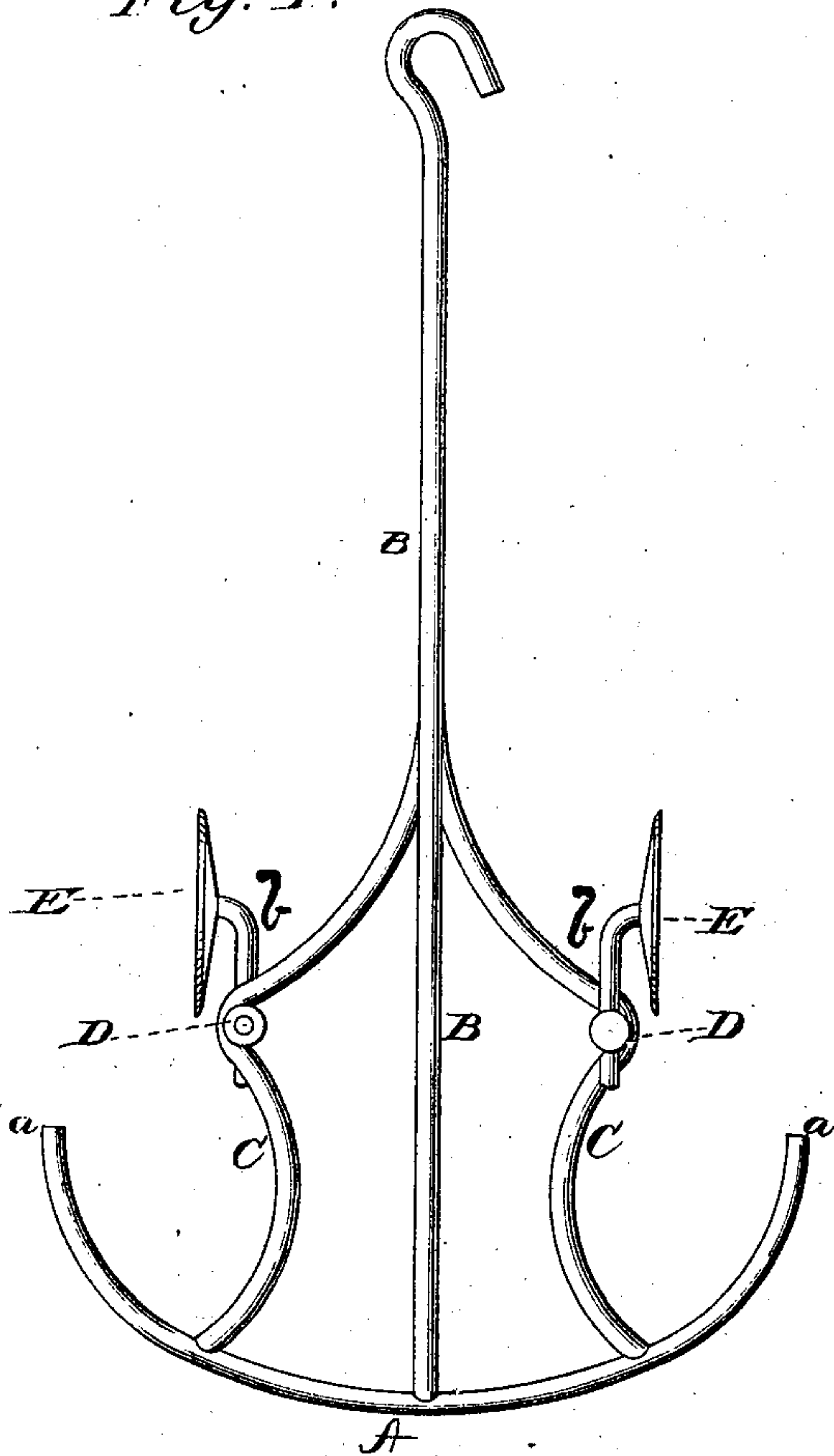
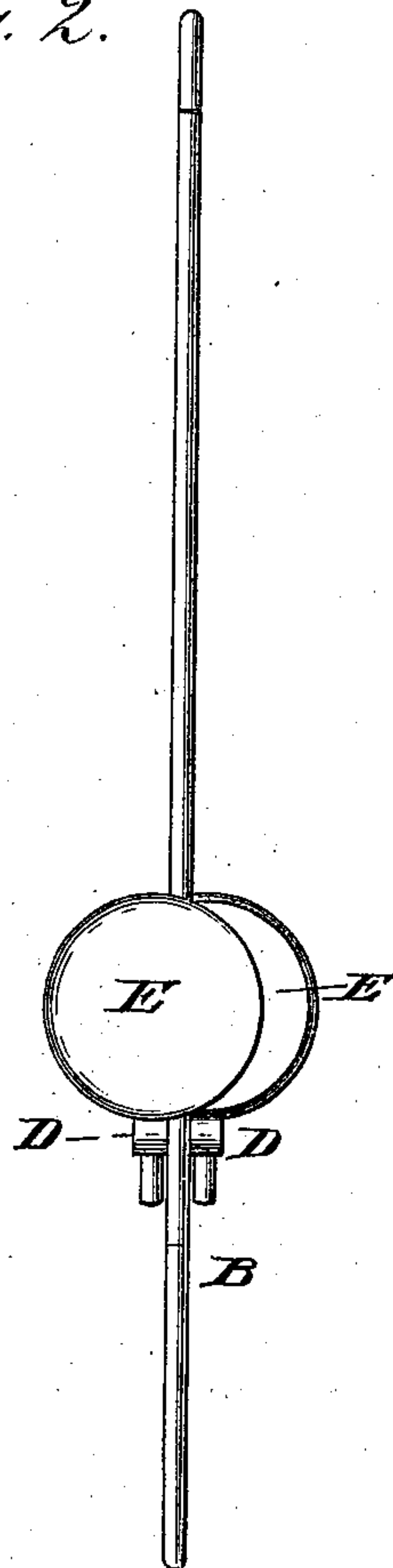


Fig. 2.



Attest.

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UNITED STATES PATENT OFFICE.

PETER CAVALIER, OF YANKTON, DAKOTA TERRITORY.

IMPROVEMENT IN REFLECTORS.

Specification forming part of Letters Patent No. **210,094**, dated November 19, 1878; application filed March 2, 1878.

To all whom it may concern:

Be it known that I, PETER CAVALIER, of Yankton, in the county of Yankton and Territory of Dakota, have invented certain new and useful Improvements in Reflectors for Lamps; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the annexed drawing, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a reflector and frame for lamps, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the accompanying drawing, which forms a part of this specification, and in which—

Figure 1 is a side elevation of my invention, and Fig. 2 is a front view of the same.

B represents the central rod, by which the chandelier is suspended from the ceiling, said rod being at its lower end provided with arms A, upon the ends *a* of which the lamps are attached or placed in any of the known and usual ways. Each end of the arm or arms A is supported by means of a brace, C, which may be curved substantially in the form shown

in the drawing, or in any other desired manner, only so as to form a sufficient support for the arms and lamps thereon. At a point upon each brace C above the lamp, and between the lamp and the central rod, B, is formed a horizontal circular opening or receptacle to receive a rod or short shaft, D. This rod or shaft has in one end a hole for the passage of a bent rod, *b*, which is secured to the back of a reflector, E, and extends rearward and downward from the same, as shown in Fig. 1.

By this construction the reflector can be adjusted in any desired manner to suit the lamp and the person using the same.

The construction of the parts is simple and cheap, and not liable to get out of order.

I am aware that an adjustable reflector for lamps is not new, and I do not claim such, broadly, as my invention.

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

The braces C C, bent to form loops or receptacles for attaching reflectors, in combination with the suspending-rod B and lamp-supporting rod A, as set forth.

PETER CAVALIER.

Witnesses:

L. E. CAVALIER,

WM. H. H. BEADLE.