

(No Model.)

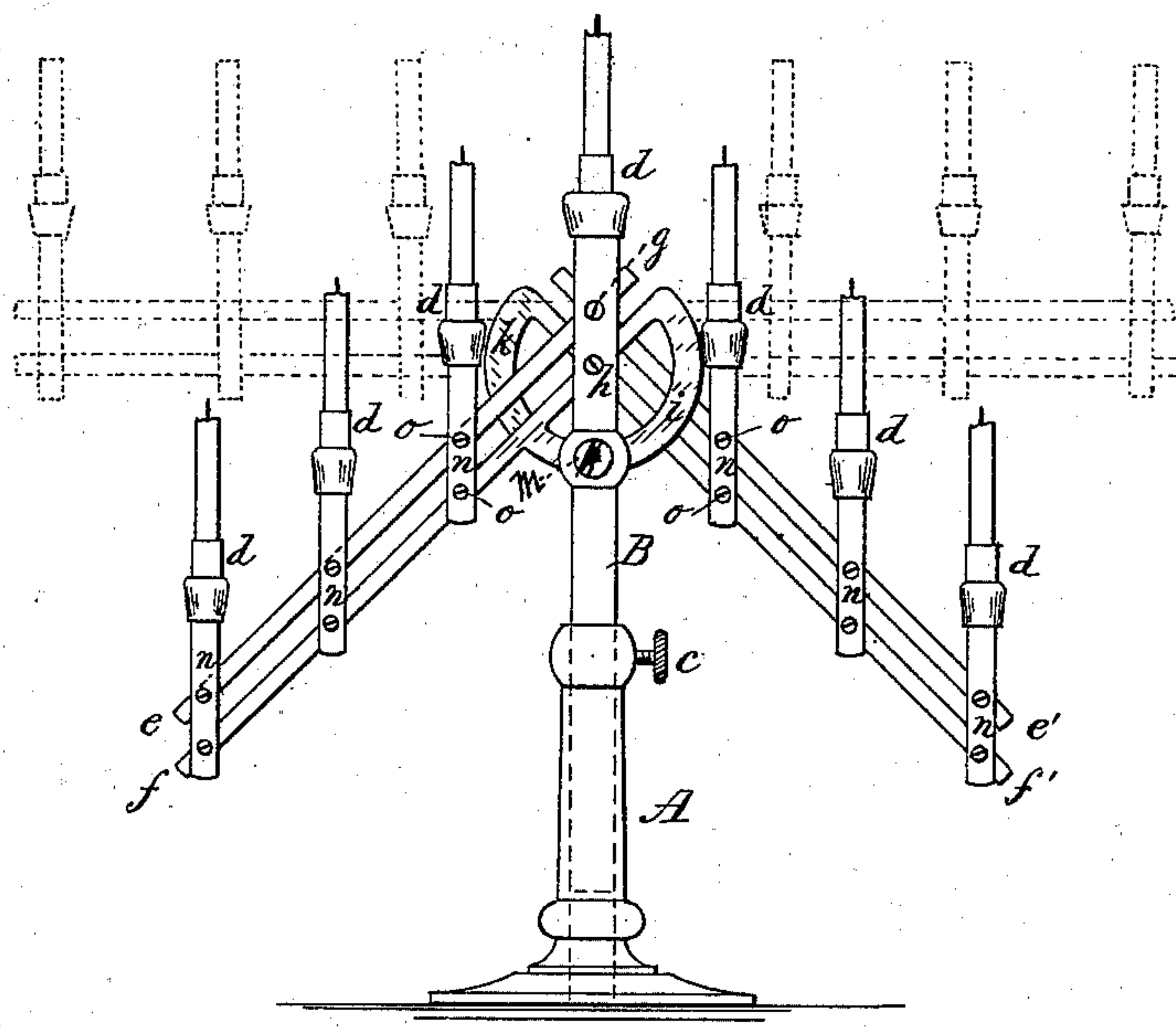
F. A. KITTELL.

CANDELABRUM.

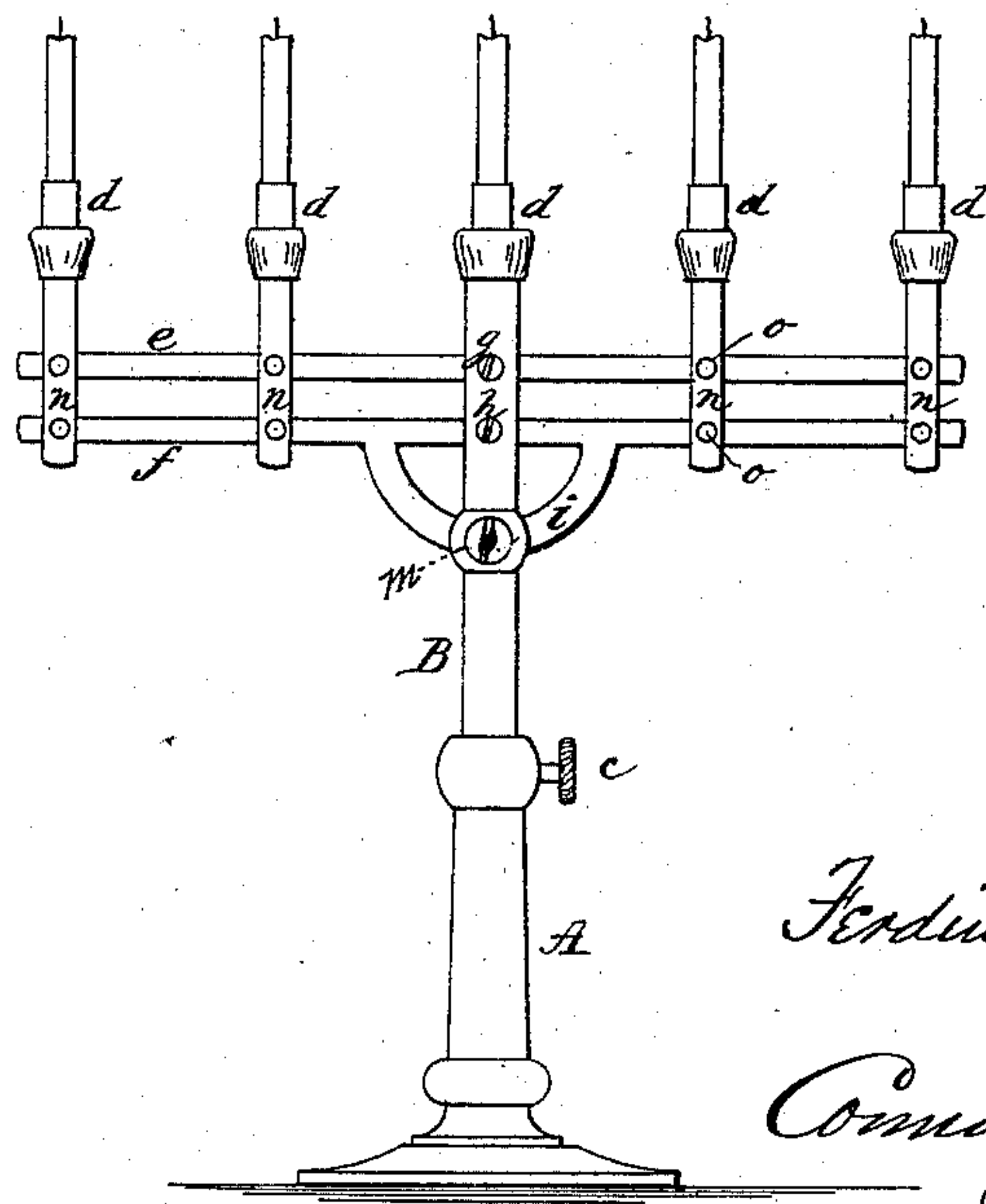
No. 282,458.

Patented July 31, 1883.

*Fig. 1.*



*Fig. 2.*



Witnesses:-

*G. Smith*  
*John M. Patterson.*

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*by*  
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# UNITED STATES PATENT OFFICE.

FERDINAND A. KITTELL, OF PITTSBURG, PENNSYLVANIA.

## CANDELABRUM.

SPECIFICATION forming part of Letters Patent No. 282,458, dated July 31, 1883.

Application filed February 5, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, FERDINAND A. KITTELL, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Candelabrum; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, in which—

Figure 1 is a front elevation of the duplex, and Fig. 2 a front elevation of the single, candelabrum according to my invention.

This invention relates to the construction of candelabrum or candlesticks, and has for its object the arrangements of parts whereby in a candelabrum holding three or more candles the lights may be arranged in a variety of geometrical figures, and two or more candelabrum arranged to form part or all of a large figure.

The invention consists in setting on a suitable pedestal or upright one or more pivoted cross-bars adapted to hold three or more candles, and suitable means of clamping said bar or bars in any desired position; further, in the pivoting of the bars and so arranging the candle-sockets thereon that in all positions of the bars the candles will be maintained vertically; and, further, in the combinations and arrangements of parts, as hereinafter fully described and claimed.

In the drawings, A designates the upright, forming a socket, in which slides the post or rod B, secured at any height by the set-screw c. On the top of the post B is a candle-socket, d, adapted to receive a candle. Under the socket d the post B is slotted, and into this slot are passed the ends of the pairs of parallel bars e f e' f'. At the junction of the bars e and e' a pivot-screw, g, is passed through post B, and at the junction of bars f f' a pivot-screw, h, is similarly placed. The bar f has the circular segment i, and bar f' the segment k, both of which may be secured by a single set-screw, m. At suitable intervals on the bars e f and e' f' the parallelism is maintained by the braces n, each of which is pivoted at o to

both bars of each pair. This arrangement keeps the two bars of each pair parallel at all times, and secures the vertical alignment of all the braces n, no matter in what position the bars e f or e' f' may be. At the top of each of the braces n, I place a candle-socket, d.

Thus constructed the candelabrum may be set to advantage in a variety of ways. Taking Fig. 1, the candles may be arranged in a single straight row from upper left to lower right, from upper right to lower left, or horizontally; or one may be horizontal and the other half inclined; or the two rows may be arranged as a V, either erect or inverted. If two such candelabrum be used side by side, one may be matched to the other by raising its post B in the base A and setting the cross-bars correspondingly. A great variety of figures and arrangements can thus be obtained with great ease, and in a few moments any set arrangement can be entirely changed.

The device will be of great utility in churches and such places where candle-illumination is practiced.

The single-acting form is shown in Fig. 2, when the segment i is formed at the middle of the bar f, the rest of the device remaining as before, without the duplicate bars e' f'.

I do not confine my invention to the exact construction shown, as that may be varied, and so long as the essential idea of an adjustable cross bar or arm with candle-holders is adhered to, the spirit of my invention is not departed from.

I claim as my invention—

1. In a candelabrum, the combination, with an upright standard or pedestal, of adjustable cross-bars pivoted thereto and supporting the candle holders or sockets, substantially as described.

2. In a candelabrum, the combination, with an upright standard or pedestal, of adjustable cross-bars pivoted thereto and supporting the candle holders or sockets, said candle-holders being pivoted to the cross-bars, substantially as described, so as to maintain an upright position.

3. A candelabrum consisting of a support, one or more pairs of parallel bars pivoted in said support, and a number of braces pivoted



each to both said parallel bars, and provided with candle sockets or holders, substantially as described.

4. A candelabrum consisting of a support,  
5 one or more pairs of parallel bars pivoted in said support, a number of braces pivoted each to both said parallel bars, and provided with candle-holders and suitable means of adjusting said bars, substantially as described.  
10 5. In a candelabrum, the combination of the support B, bars *e f*, pivoted therein at *g*

and *h*, segment *i*, clamp-screw *m*, braces *n*, pivoted to said bars at *o*, and candle-holders *d*, substantially as described.

In testimony that I claim the foregoing as 15  
my own I have hereunto affixed my signature  
in presence of two witnesses.

FERDINAND A. KITTELL.

Witnesses:

THOMAS J. PATTERSON,  
ALBERT H. MOESER.