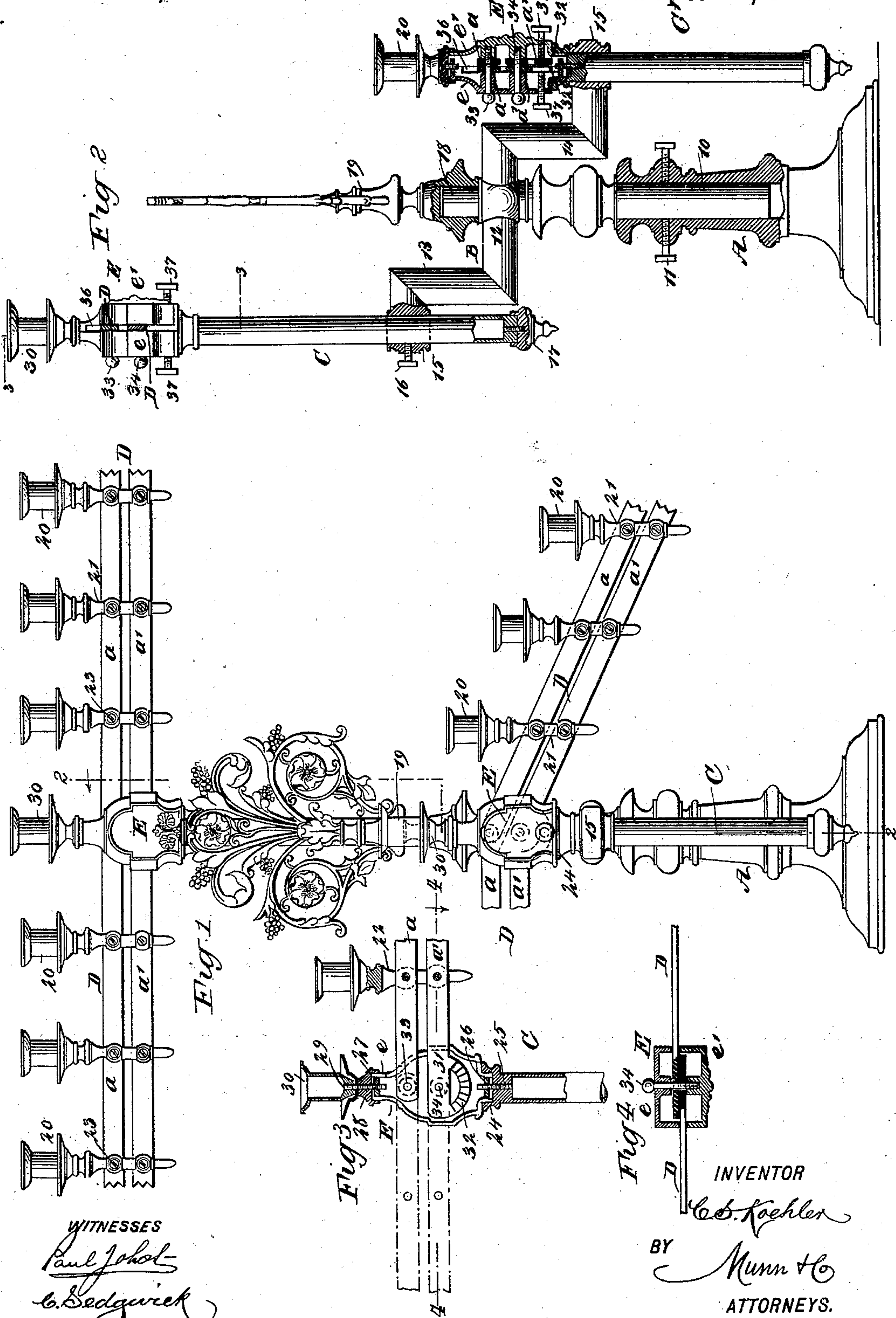


(No Model.)

C. S. KOEHLER.
CANDELABRUM.

No. 505,316.

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CANDELABRUM.

SPECIFICATION forming part of Letters Patent No. 505,316, dated September 19, 1893.

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To all whom it may concern:

Be it known that I, CHARLES S. KOEHLER, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Candelabrum, of which the following is a full, clear, and exact description.

My invention relates to an improvement in candelabrum, and it has for its object to provide such a device in sections capable of being conveniently and expeditiously separated or connected, and to provide a means whereby the candle-carrying arms may be adjusted from a common center horizontally or at any desired angle, and whereby further two candle-carrying arms will be located upon a standard, each arm being independently adjustable.

A further object of the invention is to provide a candelabrum which will have at least two sets of candle-carrying arms, each set being capable of vertical adjustment, and each arm of a set capable of independent adjustment.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a partial side elevation of the candelabrum. Fig. 2 is a vertical section taken practically on the line 2—2 of Fig. 1. Fig. 3 is a detail section taken essentially on the line 3—3 of Fig. 2; and Fig. 4 is a horizontal section taken on the line 4—4 of Fig. 3.

The candelabrum may be said to consist mainly of a base A, a body B, usually tubular in construction, standards C and C' carried by the body, and candle-carrying arms D supported by the standards. The base A, is provided with a socket in which a vertical or base member 10 of the body is introduced, and the said member of the body may be secured rigidly within the base socket by means of set screws 11 or equivalent fastening devices, and when the set screws are loosened the body may be raised or lowered to any

point in the length of the base socket and then be secured in the desired position. In addition to the base or vertical member 10, the body comprises a horizontal or head member 12, and likewise two angular arms designated respectively as 13 and 14, one arm being attached to each end of the body. The arms are preferably made essentially L-shaped, or they may be curved or given any desired shape, but one arm, the rear arm 13, for example, extends upward from the head member 12 of the body, while the opposite or forward arm 14, extends downward, the horizontal portion of one arm facing rearward while the horizontal portion of the other arm faces to the front. Each horizontal section of the arms 13 and 14 is provided with a socket 15 through which the standards C and C' are passed; and the standards may be adjusted in the sockets 15 in a vertical direction and be secured in their adjusted position by means of set screws 16 or like devices carried by the sockets.

The standards may be entirely removed from the sockets of the body, as they are provided at their lower ends with a detachable cap 17, and when the cap is removed the standards may be drawn upward and outward from engagement with the body.

From the central portion of the head section of the body a hollow stud 18, is usually projected, and this stud is adapted to receive and support any desired form of ornament 19, or a candle-stick may be placed upon the stud 18 instead of the ornament, or a third set of candle-carrying arms D may be substituted for the ornament, its tube being adjustably inserted in the hollow stud and vertical member of the body B.

Each standard, as heretofore stated, is adapted to carry two arms D, and the arms D, are adapted to support candle-sticks 20. Each candle-stick supporting arm comprises two parallel bars *a* and *a'*, the bars being located a slight distance apart. The bars *a* and *a'* of each arm are pivotally connected by means of the shanks 21 of the candle-sticks 20, which shanks are provided with longitudinal slots 22, as shown in Fig. 1, through which the arms are passed, and when the parallel bars of the

arms are at their farthest distance apart which position they occupy when they are horizontally supported, the shanks of the candle-sticks are made to stand vertically and extend transversely across the bars; and each shank is pivotally connected with each bar by means of pivot screws or pins 23, or like devices. By thus pivotally connecting the candle-sticks with the bars of an arm, no matter whether the arm is in a horizontal position or in an extreme upper, or inner, or a corresponding lower position, the candle-sticks will always maintain a perpendicular position.

Two arms D, are adapted to be supported by each of the standards C and C'. The connection of the arms with both of the standards is preferably the same, and therefore I will designate in detail the mode of attaching the arms to the rear upper standard C. This standard is provided with a socket 24 in its upper end, as shown in Fig. 3, and a screw 25, fast to the standard which extends upward through the central portion of the socket. The standard supports at its upper end a head E, which may be of any desired shape and is preferably of an ornamental character. The head is constructed in two sections *e* and *e'*, and one section, the section *e*, for example, is provided with a circular lug 26, formed near its lower end, containing a threaded aperture, and a similar lug 27, is located in the upper portion of the section, the lug being surmounted by a cap 28, and the cap is of greater diameter than the diameter of the lug; therefore when the sections are to be placed together the upper portion of the section *e'*, will be introduced into the space between the upper lug 27 and the cap 28, while the lower portion of the said section *e'*, will be made to engage with and conform to the lower lug 26. The upper portion of the two head sections is therefore connected through the medium of the upper cap 28, and the sections will be held connected at their lower ends by having said ends introduced into the socket 24 upon the standard, as shown best in Fig. 3. When the head is connected with the standard the screw 25 of the standard is screwed into the threaded aperture of the lower lug 26; and it may here be stated that another screw 29, is located in the central portion of the cap, and extends beyond its upper face, and this screw is ordinarily utilized for the attachment of a candle-stick 30 to the head, as shown in Figs. 1, 2 and 3. The inner end of one bar of each arm, preferably the inner end of the lower bar *a'*, is provided with a segmental section 31, shown best in Fig. 3; and the said segmental section is provided with a series of semi-circularly arranged teeth 32, or the segmental surface is otherwise roughened.

Two pivot pins 33 and 34, are passed transversely through the head sections *e* and *e'*, and serve to tie said sections together; the said

pins also serve as pivots for the inner ends of the bars of the arms to be carried by the head. The lower bar *a'* of each arm is longer than the other bar, extending beyond the inner end of the upper bar, as shown in Fig. 3, but the pivot points through which the pins 33 and 34 pass in the arms are in vertical alignment. Openings 36, are provided in opposite sides of the head through which the arms pass, the openings being sufficiently long to permit the arms to be carried quite a distance upward or downward, and the inner ends of the two opposing arms when placed in the head are located back to back, and the toothed or roughened surfaces 32 on the lower bars of the arms, face outward to be engaged by set screws 37, passed one through each section of the head, as shown in Fig. 2. These set screws may be of an ornamental character, and the pivot pin or screw may have an ornamental head. Thus it will be observed that by loosening the set screws 37 the candle-stick arms may be raised or lowered to give any desired inclination to said arms, or to cause the arms to stand at right angles to their supporting standard; and furthermore, the standards C and C', may be so adjusted that the upper set of arms may be raised quite high and the lower set of arms be carried downward, thus presenting two banks of light, and the ornament 19, will appear between the two sets of arms or banks of light, or a third row of lights may be substituted for the ornament 19.

The arrangement of the candle-sticks is preferably regular, they being arranged equidistant apart along the arms, and the inner candle-sticks are equidistant apart from the fixed candle-sticks upon the standard heads. The arrangement of the two arms within the head is best shown in Fig. 4.

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

1. In a candelabrum, the combination, with a base and a body adjustable therein, of standards supported by the said adjustable body and vertically adjustable in relation thereto, arms pivotally connected with the said standards, and candle sticks carried by the arms, substantially as and for the purpose set forth.

2. A candelabrum, consisting of a base, a vertically adjustable body adapted to slide therein, arms secured to the body and extending upwardly and downwardly on opposite sides thereof, said arms being provided with vertical sockets at their upper and lower end respectively, standards adapted to slide in the said sockets, means for locking the standards in relation to the sockets, arms pivotally connected with the upper ends of the said standards, and candle sticks carried by the said arms, substantially as and for the purpose set forth.

3. A candelabrum, comprising a base, a tubular body carried thereby, arms secured

to the body on opposite sides thereof and provided with vertical sockets at their ends, standards adapted to slide in the said sockets, arms pivotally connected with the upper
5 ends of the standards, candle sticks carried by the said arms, and a hollow stud projected upwardly from the central portion of the

tubular body and adapted to receive another set of candle carrying arms, substantially as and for the purpose set forth.

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