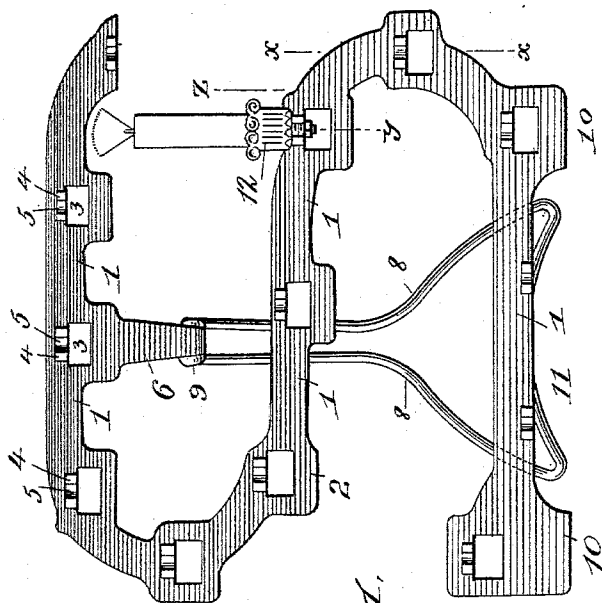
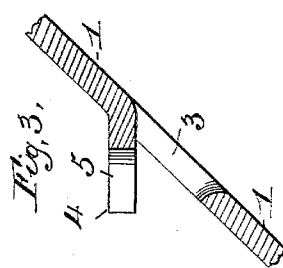
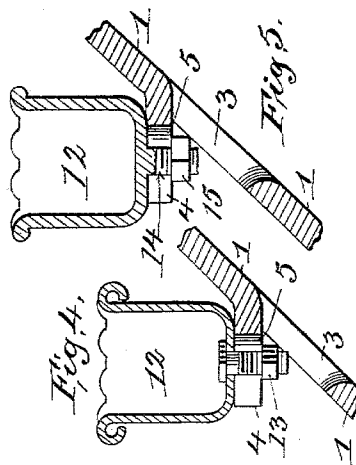
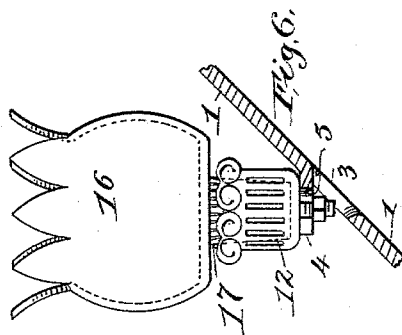
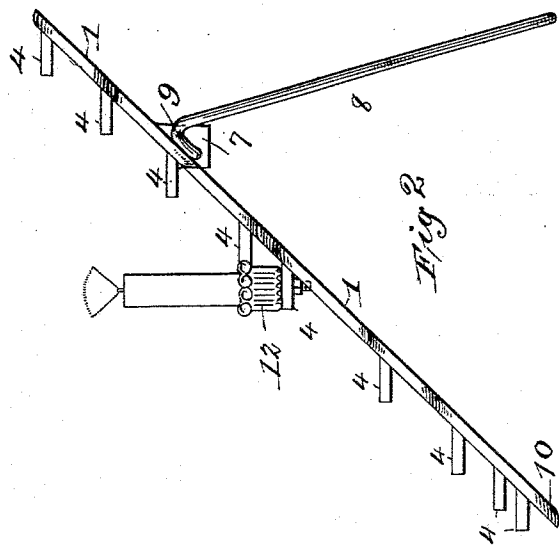


(No Model.)

A. F. BAUMER.
ILLUMINATING DISPLAY STAND.

No. 563,732.

Patented July 14, 1896.



WITNESSES:

C. W. Benjamin
Wm. Jacobson

Fig. 1.

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UNITED STATES PATENT OFFICE.

ANTON F. BAUMER, OF SYRACUSE, NEW YORK.

ILLUMINATING DISPLAY-STAND.

SPECIFICATION forming part of Letters Patent No. 563,732, dated July 14, 1896.

Application filed August 6, 1895. Serial No. 558,374. (No model.)

To all whom it may concern:

Be it known that I, ANTON F. BAUMER, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have made certain new and useful Improvements in Illuminating Display-Stands, of which the following is a specification.

The object of my invention is to provide means for supporting candles or other forms of illuminants in such a way that when burning they will form letters, emblems, or the like, which are especially applicable for forming names or words at ecclesiastical services or on other occasions.

I believe it is old in the art to provide a candle-stand in which the arms or sockets have been made of varying length, and that adjustable candle-holders have also been made in which a suitable arrangement of the candles to produce geometric figures and the like is possible. I further believe that the said devices necessitated the use of arms supporting the candle-sockets of varying length, so as to permit the candles or other illuminant to burn freely without coming in contact with each other, and that in order to use the devices with adjustable arms the lengths of the arms had to be proportioned to obtain the necessary adjustment.

My invention consists in a stand wherein means are provided for detachably securing the sockets which hold the candles thereto, which stand is supported at an angle to the horizontal and which is provided with outwardly-extending horizontal lugs for receiving the candle-socket, said lugs being arranged to produce by means of the burning candle or other illuminant a line of illumination approximating the particular letter or emblem to be produced, and wherein all of the candles or other means of illumination can be of the same length or height and will require no adjustment to permit of all of them being burned simultaneously.

My invention further consists in a stand disposed in the shape of the particular letter or emblem to be reproduced by the illuminant, in which the socket-supporting lugs are arranged upon the surface in such a way as to produce the desired representation, which

socket-supports are vertically and horizontally out of alinement or disalined and preferably vertically staggered in relation to each other, and in which arrangement is made for supporting the frame at an angle, so that the lights will not only be separated horizontally but will also be vertically separated, thereby producing the vertical and horizontal disalinement.

My invention also comprises certain details of construction and combinations of parts hereinafter described and set forth in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation of a device embodying my invention; Fig. 2, a side view thereof; Fig. 3, an enlarged sectional elevation of a detail of the stand, taken approximately on the line *x x*, Fig. 1; Fig. 4, a like sectional elevation showing a construction of socket and means for securing it to the stand, said section being taken approximately on the line *y*, Fig. 1; Fig. 5, a like view showing a modified form of socket and means for securing it to the stand; and Fig. 6, a further and like view showing the application of another form of illuminant to my device; said section being taken approximately on the line *y z*, Fig. 1.

Similar numerals of reference refer to like parts throughout the several views.

The device herein illustrated and hereinafter described comprises one of the embodiments of my invention, it being understood that the same can be embodied in other forms of devices without departing from the spirit of the same.

At 1 is the stand, which, in the case of the illustration, consist of a piece of cast metal configured or formed into the shape of the letter **S**, the body of which, in order to secure breadth and lightness and for a further reason hereinafter explained, is provided with a series of enlargements 2, provided with rectangular or other shaped apertures 3, above which are formed outwardly-projecting lugs 4, having an open slot 5 in the outer end.

The top and bottom horizontal portions of the stand are provided, respectively, as to the top portion, with a downwardly-projecting arm 6, having at its rear and lower end a lug

7 of less width than the face of the arm 6 at that point, in which the horizontal pintles (not shown) of a supporting-arm 8 engage, the upper end of the arm being bent at an angle thereto, as at 9, to form a shoulder or abutment against which the rear face of the arm 6 impinges, as shown in Fig. 2, to form a support for the stand and prevent further rearward vibration; and as to the lower horizontal portion of the stand, it is provided with lugs 10, by means of which the stand finds a support for its lower end upon a table or other suitable place.

It will be seen by reference to Fig. 2 that, by the means herein provided, the stand can be inclined to an angle of about forty-five degrees, which, when so disposed, will bring the lugs 4 horizontal, thereby providing a perpendicular disposition and an even burning for the candle or other illuminant; and by reference to Figs. 1 and 2 it will be seen that with the exception of two of the lugs on the upper and lower horizontal portions of the stand no two of the lugs lie in the same horizontal plane and that no two of the lugs lie in the same vertical plane, by means of which arrangement the candles can be disposed so as to be entirely free and clear of each other, thereby doing away with cutting the candles of unequal length and avoiding other difficulties.

As will be noticed in Figs. 3, 4, and 5, the lugs 4 extend outwardly over the apertures 3 below them, (with the exception of the lugs on the lower horizontal part of the stand, under which a large recess 11 is formed,) by means of which access can be had for the purpose of detaching the candle-sockets from the lugs.

At 12 is shown a candle-socket of any desired shape or construction, made either of stamped metal, as shown in Fig. 4, or of cast metal, as shown in Fig. 5, which in the case of the construction shown in Fig. 4 is secured to the lug 4 by means of a bolt passing through an aperture in the bottom of the socket through the open ends 5 of the lug 4, to which it is secured by means of a nut 13; or the socket 12, as in Fig. 5, can be provided with an integral stem 14, threaded for the reception of the nut 15, by which it in its turn can be secured to the lugs 4.

The apertures 3 enable easy access to be had to the nuts for the purpose of securing the sockets to the lugs and for readily detaching them, and also the slot in the lugs provides means for adjusting the socket in and out to rectify any error in the adjustment of the other sockets in relation to each other, the open end of the slot doing away with the necessity of removing the nut from the stud or bolt, which can be slipped into the slot with the nut thereon, and when in the proper position of adjustment the nut can be tightened to secure the socket in place.

In Fig. 6 is illustrated means for using my

invention with other forms of illuminants, in which a globe or receptacle 16, provided with a conical butt 17, is inserted in the socket 12. This globe or receptacle can be used for receiving oil or wax tablets and tapers in the manner shown in the patent to me dated March 5, 1895, No. 534,990.

The candles being of the same length and disposed on the face of the stand in accordance with the disposition of the lugs, the line of light produced thereby will approximate the figure, letter, or emblem formed by the disposition of the lugs.

It is obvious that any other form of letter, &c., can be produced in the same way, the outline of the letter or emblem being produced by the light field of the illuminant.

Having described my invention, I claim—

1. In a device of the class herein described, the combination, with the stand configured to the shape of the letter or the emblem to be reproduced by the illuminant, of a plurality of supports for the illuminant dispersed over the said stand and approximately following the outline thereof, said supports extending bodily outwardly from the surface of the stand at an angle thereto and arranged in different vertical planes, and means for supporting said stand at an angle, whereby said supports can be caused to assume a horizontal position, substantially as described.

2. In a device of the kind herein described, the combination with a stand and a series of angularly-disposed and outwardly-projecting lugs dispersed over the outer surface of said stand on a line or lines approximating the letter or emblem to be reproduced, of a series of sockets or the like secured to said lugs and vertically disposed in relation thereto, substantially as described.

3. In a device of the class described, an inclinably-disposed stand having a series of supports for an illuminant dispersed over the surface of said stand on a line or lines approximating the shape or contour of the letter or emblem to be produced, said supports being horizontally disposed and in vertical and horizontal disalignment relative to each other, substantially as described.

4. The combination, with the inclined stand, of the horizontal supports extending outwardly therefrom and in vertical and horizontal disalignment with each other, and means for sustaining the stand in an inclined position, substantially as described.

5. The combination, with the inclined stand, of the horizontal supports extending outwardly therefrom and in vertical and horizontal disalignment with each other, means for sustaining the stand in an inclined position, and illuminant-holders on said supports, substantially as described.

6. The combination, with the inclined stand, of the horizontal supports extending outwardly therefrom and in vertical and horizontal disalignment with each other, means for

sustaining the stand in an inclined position, illuminant-holders on said supports, and means for adjusting said holders horizontally to or from the stand, substantially as described.

5 7. The combination with the stand having the apertures 3 therein, slotted lugs 4 extending from the stand above the apertures, a socket 12, and means for adjustably securing

the socket to the lug, substantially as described.

Signed at Syracuse, in the county of Onondaga and State of New York, this 1st day of August, A. D. 1895.

ANTON F. BAUMER.

Witnesses:

CHAS. J. MARKERT,
THOMAS J. KREUZER.