

(No Model.)

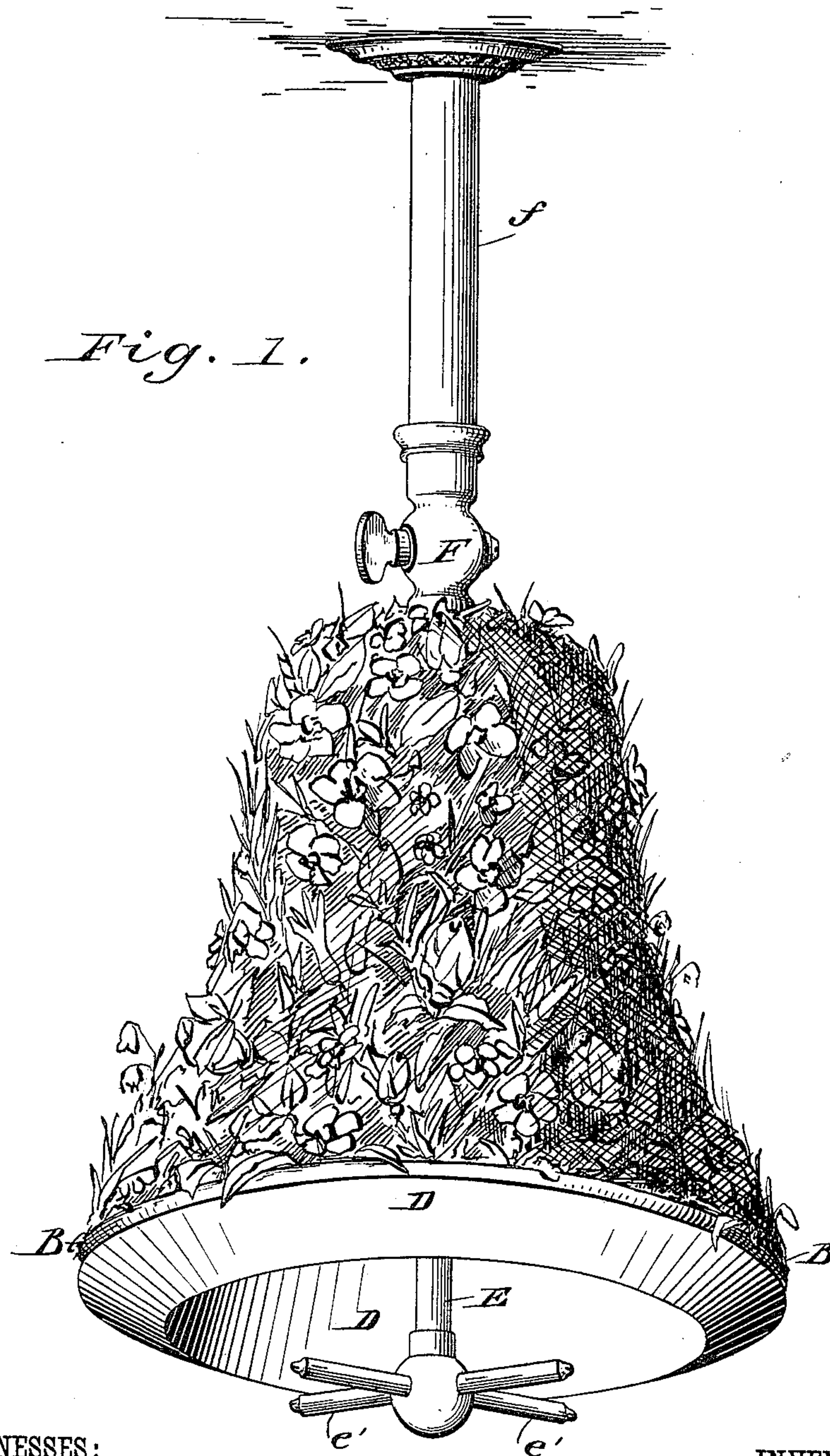
2 Sheets—Sheet 1.

R. E. WILSON.

ILLUMINATED FLORAL PIECE.

No. 362,691.

Patented May 10, 1887.



WITNESSES:

*John H. Deemer*  
*C. Sedgwick*

INVENTOR:

*R. E. Wilson*

BY

*Munn & Co.*

ATTORNEYS.

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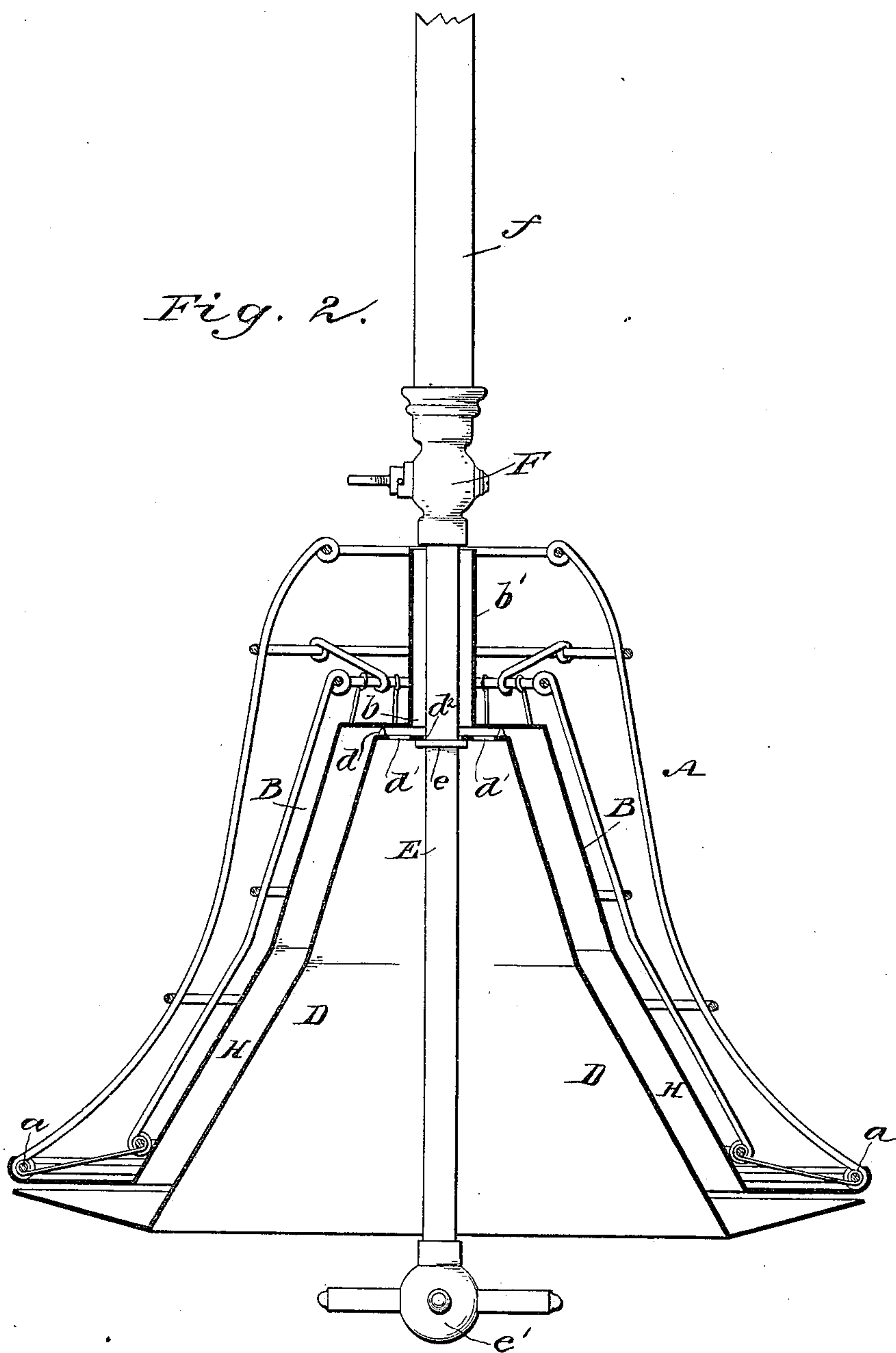
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# UNITED STATES PATENT OFFICE.

RUTH E. WILSON, OF BROOKLYN, NEW YORK.

## ILLUMINATED FLORAL PIECE.

SPECIFICATION forming part of Letters Patent No. 362,691, dated May 10, 1887.

Application filed January 13, 1887. Serial No. 221,261. (No model.)

*To all whom it may concern:*

Be it known that I, RUTH E. WILSON, of Brooklyn, in the county of Kings and State of New York, have invented new and Improved  
5 Illuminated Floral Pieces, of which the following is a full, clear, and exact description.

My invention relates to an improvement in floral pieces, and has for its object to provide a means of illuminating the same.

10 The invention consists in providing a floral piece with a reflector in keeping with the design, and jets of light introduced before the said reflector, and in the details of construction thereof, as will be hereinafter fully set  
15 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 letters of reference indicate corresponding parts in both the figures.

20 Figure 1 is a perspective view of my complete device, and Fig. 2 a central vertical section through the same.

In carrying out my invention I employ the usual wire frame, A, commonly used in making up a floral bell, and introduce within said  
25 frame a body, B, of substantially the same contour. The said body B, which may be of metal or other suitable material, is secured to the lower outer edge, *a*, of the wire frame by  
30 soldering or otherwise, and is provided upon the upper or top side thereof, centrally the same, with an aperture, *b*, surrounded by an upwardly-extending tubular casing, *b'*, adapted to project above the top of the wire frame.

35 Within the body B, I introduce a reflector, D, which may be of glass or burnished metal, constructed similar in shape to the said body, but of increased diameter and height, and provide the top with projections *d*, a number of  
40 perforations, *d'*, and a central aperture, *d''*.

The reflector D is held in position within the body B by a tube, E, having a flange, *e*, attached thereto near the top, and burners *e'* at the bottom. The tube is projected through  
45 the central aperture, *d''*, of the reflector until the flange *e* is brought in contact with the top surface of the said reflector, and the burners *e'* coming just below or within its bottom edge, the reflector and tube are now passed up into  
50 the body until the projections *d* are brought in contact with the top of the body, the top of the tube being introduced into the tubular

casing *b'* through the body-aperture *b*, to project slightly beyond the same.

To the upper end of the tube E, I attach a  
55 stop-cock, F, and within said stop-cock screw an incased pipe, *f*, adapted for attachment to any gas-supply pipe.

The reflector D being made of smaller diameter and shorter than the body B, an air-  
60 space, H, is formed between the sides and top thereof, which air-space has an outlet in the tubular casing *b'*, the said casing being made of a greater diameter than the tube E it is adapted to receive.

65 The wire frame A is packed with moss in the ordinary manner, and flowers placed therein until the said frame is completely covered. The completed bell may then be attached to the gas-supply pipe and the burners lighted,  
70 whereupon the light will be reflected in the room with beautiful effect, and the gas may be kept burning for hours without injury to the flowers, as the air-chamber H protects them from the heat, the greater percentage of which  
75 passes up through the apertures *d'* in the top of the reflector, and thence up through the tubular casing *b'* of the body into the room. This means of illumination may be applied to  
80 any floral designs, and I do not therefore limit myself to a bell. Any reflecting-surface may be used and the body may be constructed of various materials—such as earthenware, tin, or  
85 equivalent substances—and the flame need not necessarily be produced from gas, as with suitable burners gasoline, oil, or other inflammable fluid may be employed.

It will be observed that two air-chambers intervene the flame and the flowers. The first,  
90 being located between the reflector and the metallic body, is supplied with a constant current of air between the lower edges thereof, which are not tightly closed, and the second, lying between the body and the wire frame,  
95 holding the moss, to which air is accessible through the open top. The heat is therefore greatly reduced before coming in contact with the moss, which, being well dampened, retains its moisture for considerable time, thereby pre-  
100 serving the freshness of the embedded flowers.

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

1. The combination, with a floral piece, of a

reflector of substantially the same form held within said floral piece a distance from the frame, whereby an air-space is produced intervening the said frame and the reflector, substantially as set forth.

2. The combination, with a reflector, of a floral piece provided with a metallic body adapted to fit over said reflector, and means for circulating air between the body and reflector, and means for illuminating the same, substantially as herein set forth.

3. The combination, with a reflector provided with an apertured top, of a floral piece having a metallic body larger than the reflector, adapted to fit over the same and provided with an upper incased aperture, and means for illuminating the combined floral

piece and reflector, substantially as herein shown and described.

4. The combination, with a reflector provided with an apertured top, of a floral piece constructed upon a wire frame, having a metallic body larger than the reflector, adapted to fit over the same and provided with an upper incased aperture, and means for illuminating the combined reflector and floral piece, substantially as herein described, whereby two air-chambers are made to intervene the flowers and illuminating apparatus, as set forth.

RUTH E. WILSON.

Witnesses:

J. F. ACKER, Jr.,

H. W. WILSON.