

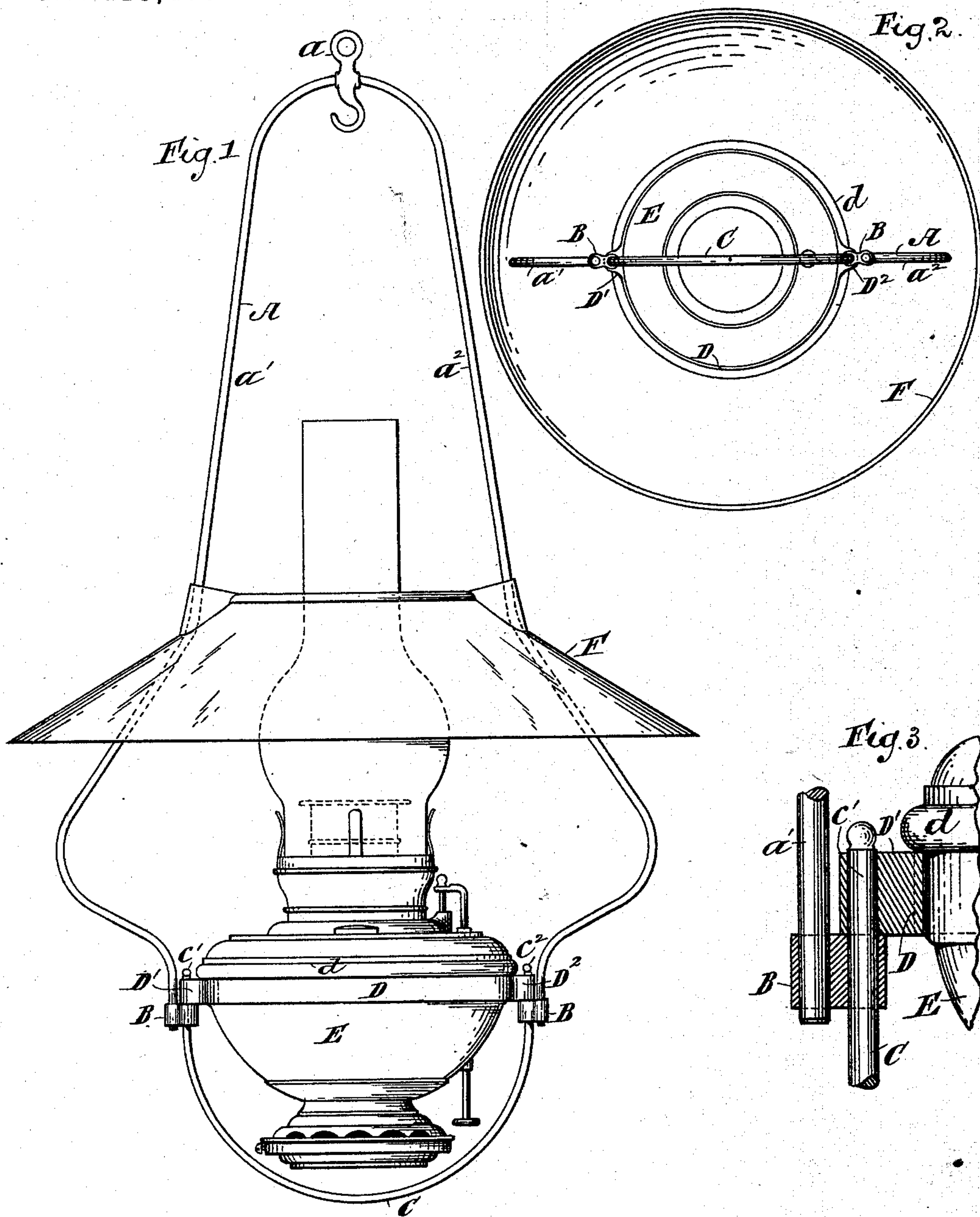
(No Model.)

G. W. WOODWARD.

HANGING LAMP.

No. 413,469.

Patented Oct. 22, 1889.



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE W. WOODWARD, OF BROOKLYN, ASSIGNOR TO THE ANSONIA
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HANGING LAMP.

SPECIFICATION forming part of Letters Patent No. 413,469, dated October 22, 1889.

Application filed September 15, 1888. Serial No. 285,495. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. WOODWARD, of Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Hanging Lamps, of which the following is a specification.

I will describe a lamp embodying my improvement in detail, and then point out the various novel features in the claims.

In the accompanying drawings, Figure 1 is a side view of a lamp embodying my improvement. Fig. 2 is an inverted plan or bottom view of the same. Fig. 3 is a vertical section of certain parts.

Similar letters of reference designate corresponding parts in all the figures.

A designates a harp or frame adapted to be suspended by means of an eye a , with which it is provided, from a ceiling or other overhead support. It is shown as made of two pieces of stout wire $a' a^2$, bent from the eye a outwardly on a curve, thence downwardly at an incline for a certain distance, thence downwardly at another and more abrupt incline, so as to form jogs between the two inclined portions, and thence inwardly. The lower ends of these pieces of wire are connected to clips B, which may be made of metal, formed by casting, forging, or otherwise. The clips B may be secured to the lower ends of the pieces of wire $a' a^2$ by being pinched thereon; or the lower extremities of the pieces of wire may be upset by riveting to secure them and the clips together; or these parts may be secured together in any other manner.

C designates a hand-piece, shown as consisting of a piece of wire bent into curved form and having its end portions upturned and parallel. The ends of the hand-piece are secured to the clips B by pinching the latter upon the same, or in any other suitable manner. It will be seen that the ends of the hand-piece extend upwardly a short distance above the clips, so as to form upwardly-extending pins or projections $c' c^2$, and the clips form a solid base for the removable lugs.

D' D² designate lugs extending laterally beyond opposite portions of the lamp-reser-

voir E. They are shown as extending from a ring D, which surrounds the lamp-reservoir. This ring may be secured to the lamp-reservoir, or the lamp-reservoir may be merely set into it. In the latter case it will be necessary to provide the lamp-reservoir with a bead or projection d , extending over and resting upon the top edge of the ring.

Instead of securing the lugs to a ring which is secured to the reservoir, the lugs might obviously in any other way be secured to the reservoir. The lugs are provided with holes which are adapted to fit upon the upturned ends of the hand-piece C.

The lamp-reservoir and its appurtenances may be of any desirable style.

By simply elevating the reservoir and the lugs a short distance the lamp may be disengaged from the frame A B C. This is advantageous, because as the lamp has to be elevated but a short distance it may be more readily removed from the frame. Of course where the lugs are made part of a ring which is not secured to the lamp-reservoir the lamp-reservoir may be lifted out of the ring and the ring allowed to remain in the frame A B C.

The hand-piece C affords a very convenient means for manipulating the lamp in its frame. It is especially convenient where lamps are combined with an adjustable suspension device which permits of the raising and lowering of the lamp, because on grasping the hand-piece C it will be possible to raise and lower the lamp without danger of disturbing the lamp-reservoir relatively to the frame in which it is arranged.

It will be seen that the jogs formed in the pieces of wire $a' a^2$ of the frame or harp serve as a means for supporting a lamp-shade F.

It will be seen that by my improvement I produce a very desirable frame for supporting a hanging lamp, and that such frame is not only pleasing in appearance, very light, but also so slender as not to appreciably interfere with the shedding of the light from the lamp.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, with a lamp and a

lamp frame or harp, of one set of lugs extending from the lamp frame or harp, another set of lugs extending from the lamp-front and resting upon the lugs of the lamp frame or
5 harp, pins extending from one set of lugs, and sockets formed in the other set of lugs for the reception of the pins, the pins being approximately of the length of the sockets formed for their reception, substantially as
10 specified.

2. The combination, with a lamp frame or harp having side portions provided with clips, of a hand-piece secured to said clips and extending from beneath the lamp-bowl above the clips to form pins or projections, 15 substantially as specified.

GEORGE W. WOODWARD.

Witnesses:

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