

A. RECTOR.
MANTLE SUPPORT.

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917,659.

Patented Apr. 6, 1909.

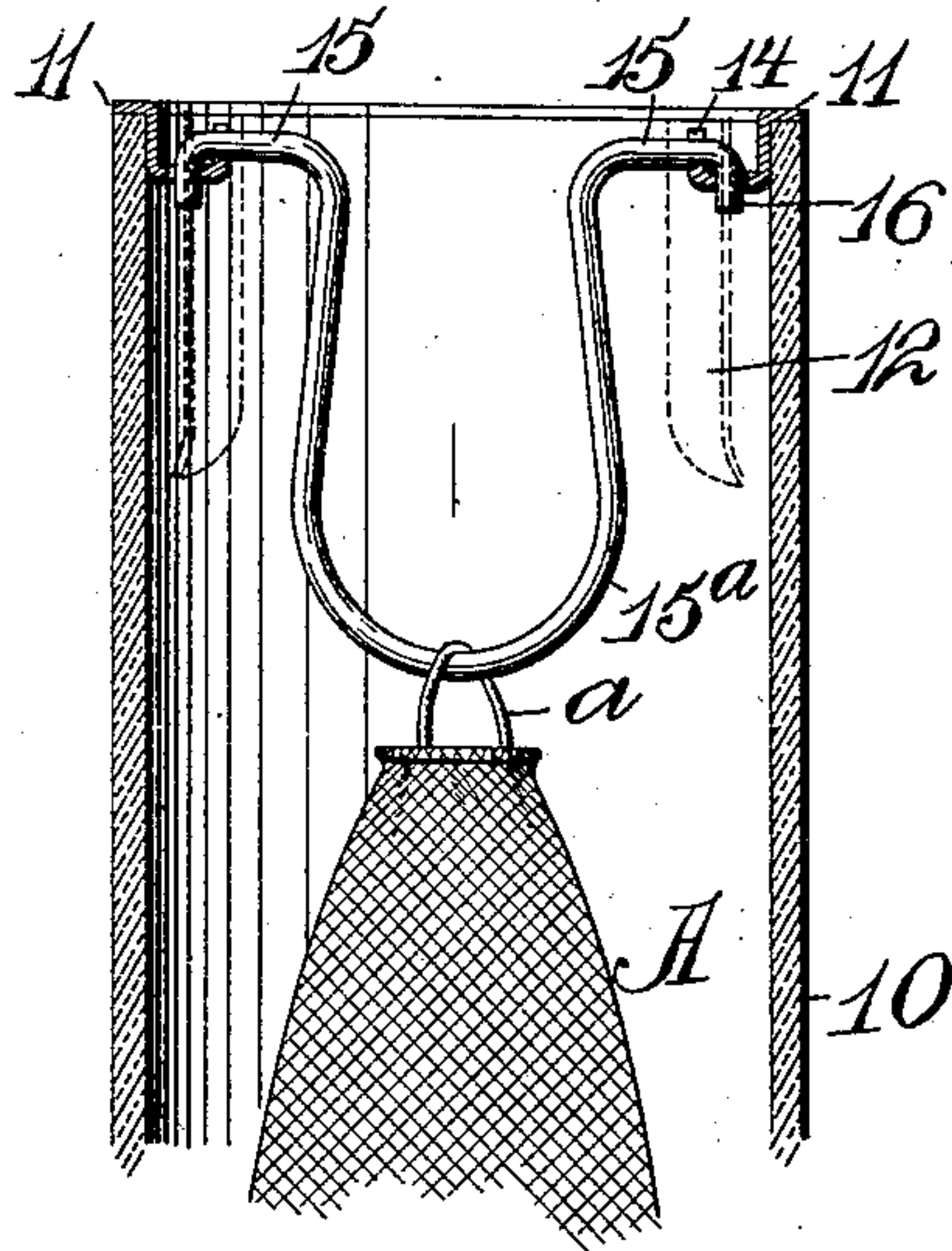


Fig. 1

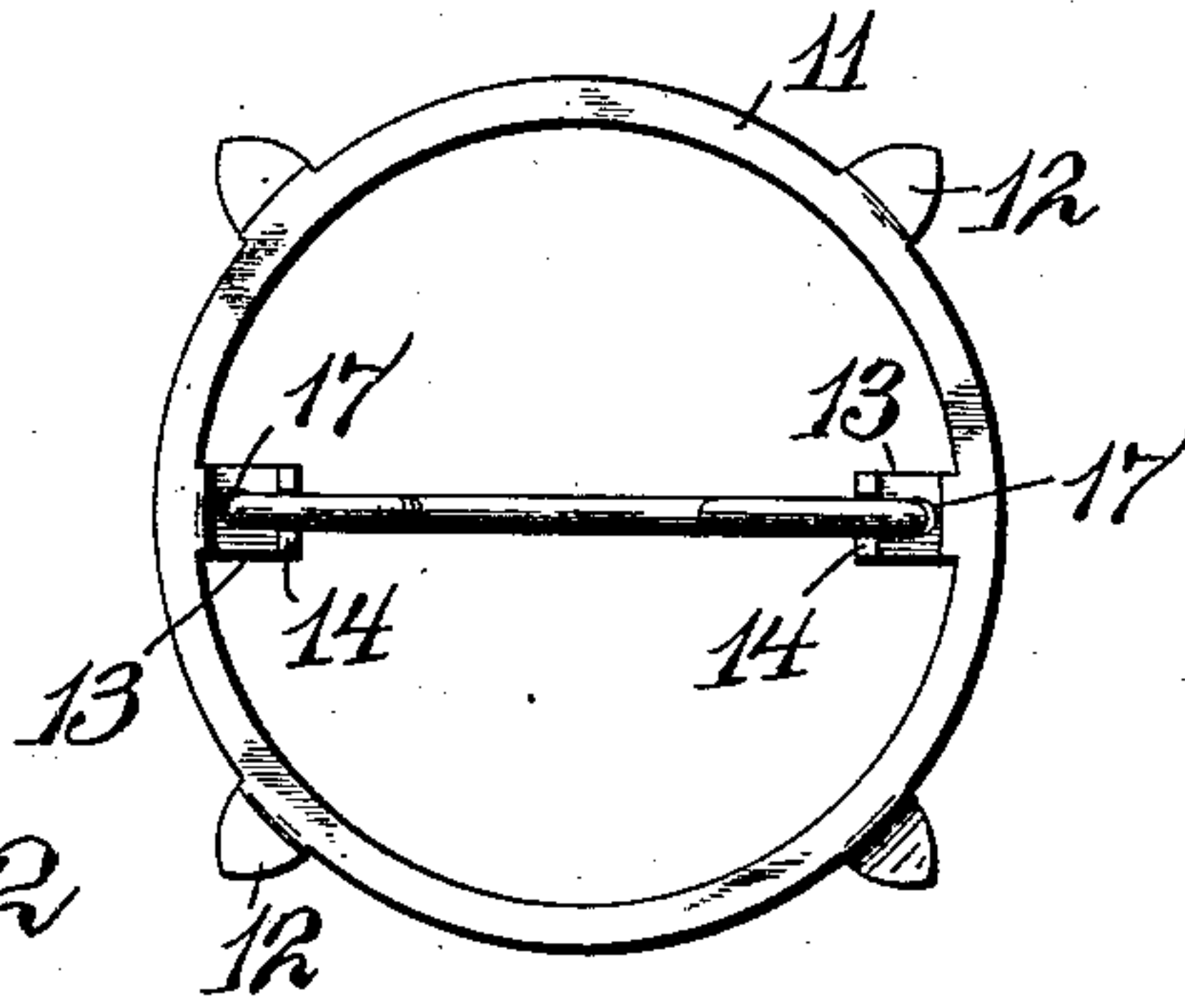


Fig. 2

WITNESSES:

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ALCORN RECTOR, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO RECTOR GAS LAMP COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

MANTLE-SUPPORT.

No. 917,659.

Specification of Letters Patent.

Patented April 6, 1909.

Application filed May 25, 1906, Serial No. 318,670. Renewed June 9, 1908. Serial No. 437,552.

To all whom it may concern:

Be it known that I, ALCORN RECTOR, of the city, county, and State of New York, have invented a new and Improved Mantle-Support, of which the following is a full, clear, and exact description.

My invention relates to improvements in mantle supports for incandescent gas lamps.

My invention relates chiefly to the means for supporting the mantle. It is a common practice to support the mantle from standards or a standard on one side of the lamp. This means of support is open to objection because, first, the support casts a shadow, and next, the support is likely to be affected by the heat and to warp or incline so that the mantle is not centrally supported in the chimney. I have found by experiment that to get the best results it is absolutely necessary to hold the mantle in a vertical position, and that by supporting the mantle from the chimney top I can easily maintain it in such a position, and in any event, the mantle is always parallel with the chimney, and there are no obstructions on the side to interfere with the light. Moreover by supporting the mantle directly from the chimney top it is held in relation to the burner so that it is incandescent on all sides and for its full length, and a much greater light is obtained than by supporting it in any other way. It is also desirable to have the mantle loop engaged by some part which will permit of a free sliding movement of the mantle and its support in relation to each other, so that vibrations will not be so easily communicated to the mantle.

With these ends in view my invention consists of certain features of construction and combinations of parts which will be hereinafter described and claimed.

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

Figure 1 is a vertical section through the top portion of a chimney showing my mantle supporting means, and Fig. 2 is a plan view of the mantle support.

The chimney 10, which can be of any approved construction, has at the top a ring 11 which fits nicely upon the chimney, and this can be conveniently held in place by means of the arms 12 which extend down-

ward outside the chimney, and which can be bent out so as to support a shade if desired. The ring is further stayed by the opposed brackets 13 which extend downward from the inner ring and project inward into the chimney top, each bracket having its inner part notched, as shown at 14, and as illustrated in my U. S. Patent No. 801,103, dated October 3, 1905. The notches 14 receive the arms 15 of the stirrup 15^a which is adapted to support the loop *a* of the mantle A and the arms 15 at their outer ends terminate in downward bends 16 which enter perforations 17 in the brackets 13 and so when the ends 16 are dropped into the perforations with the arms 15 in the notches 14 the stirrup is securely held and it supports the mantle A in a vertical position above the lamp burner. The brackets 13, are approximately U-shaped in cross section and it is the base portion that is provided with the perforation 17, and its upper or free edge that is provided with a notch 14. I have shown the ring 11 as, illustrated in my former patent, as a convenient means of supporting the stirrup 15 and 15^a.

I am aware that in my former patent I show a means of supporting the mantle from the chimney top, but my real invention as here shown is not claimed in the former patent.

By having the loop 15^a constructed as shown, it leaves a plain wide portion to engage the part "*a*" of the mantle "A", and so permits of a free sliding movement in relation to each other and the mantle is not likely to be disturbed by any ordinary shocks and vibrations.

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

In combination with a chimney, a flat ring resting upon the top of the chimney and of the same contour, brackets formed with the ring and depending within the chimney and contacting with the inner surface thereof, said brackets being opposed and arms formed with the ring contacting with the outer surface of the chimney, said arms being positioned to either side of the chimney.

ALCORN RECTOR.

Witnesses:

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