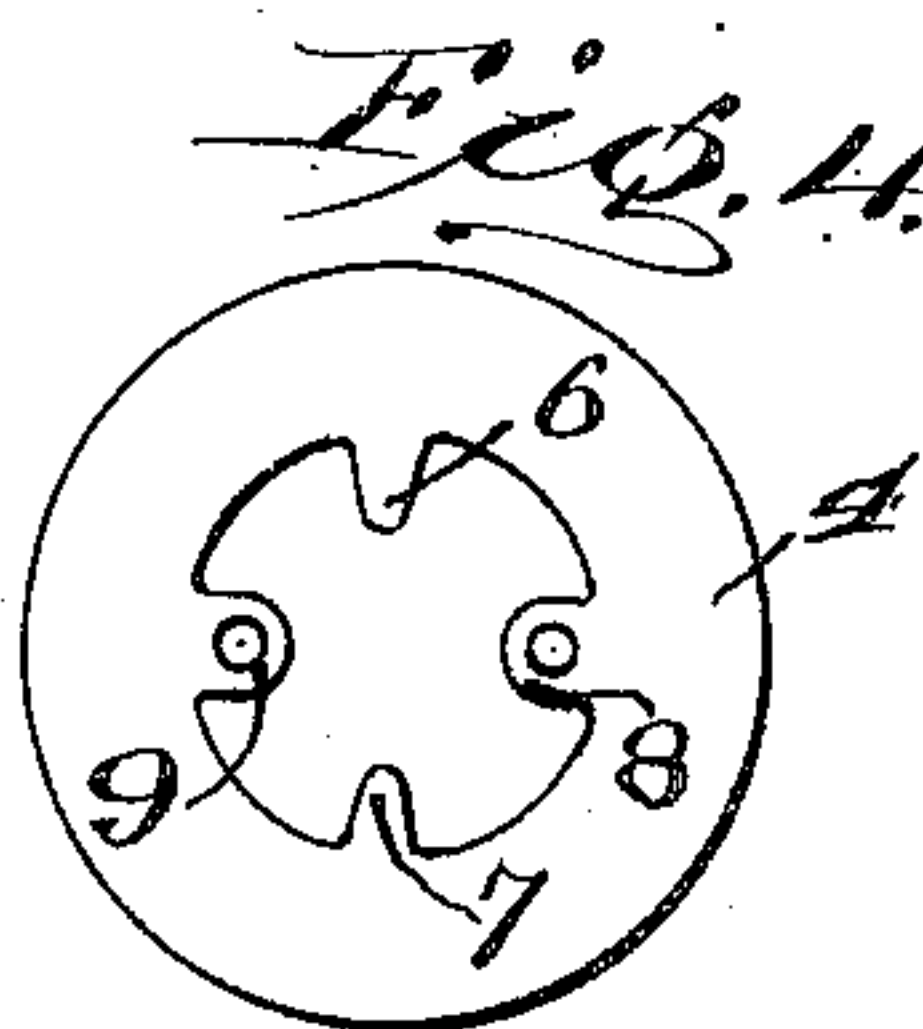
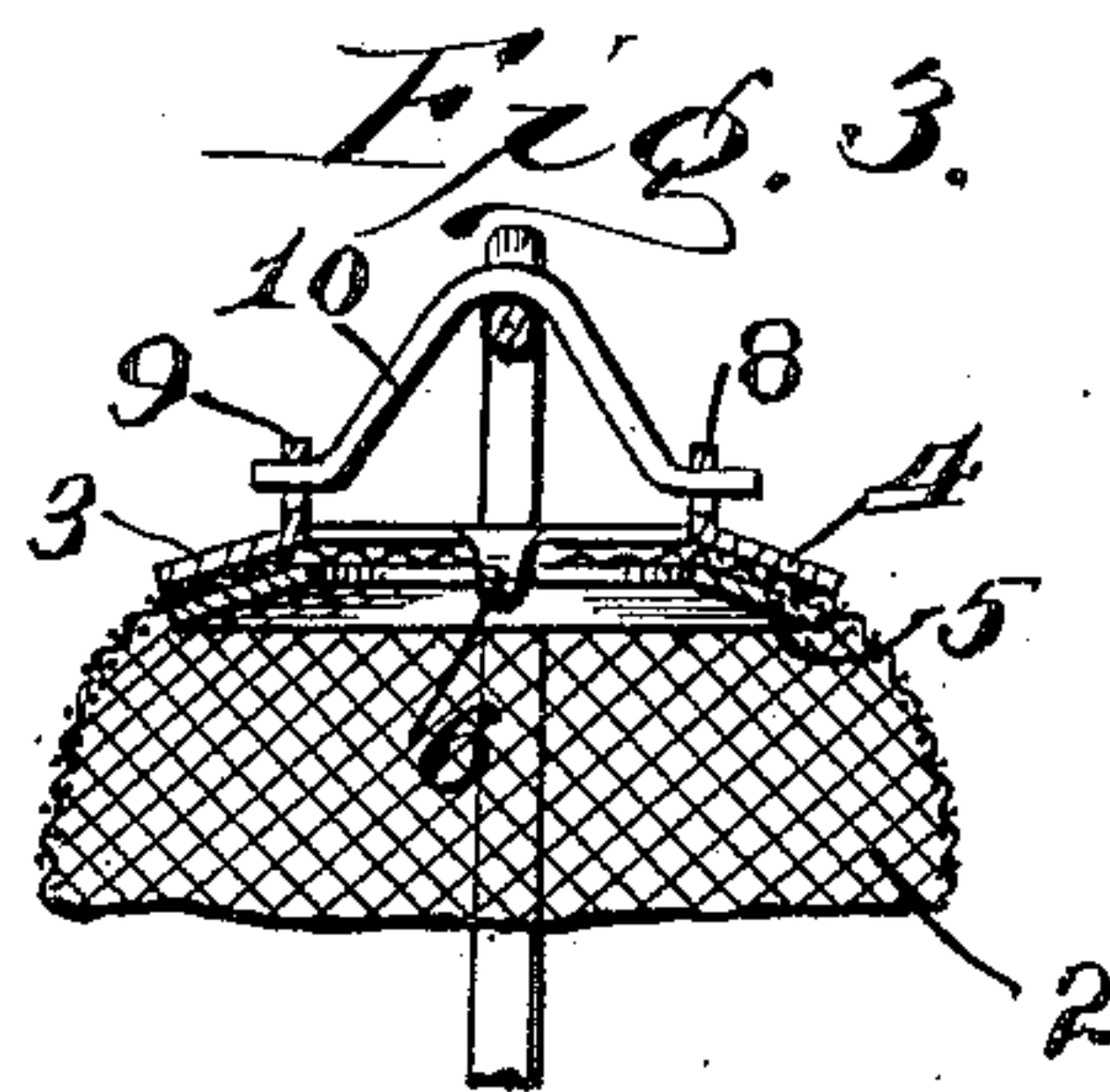
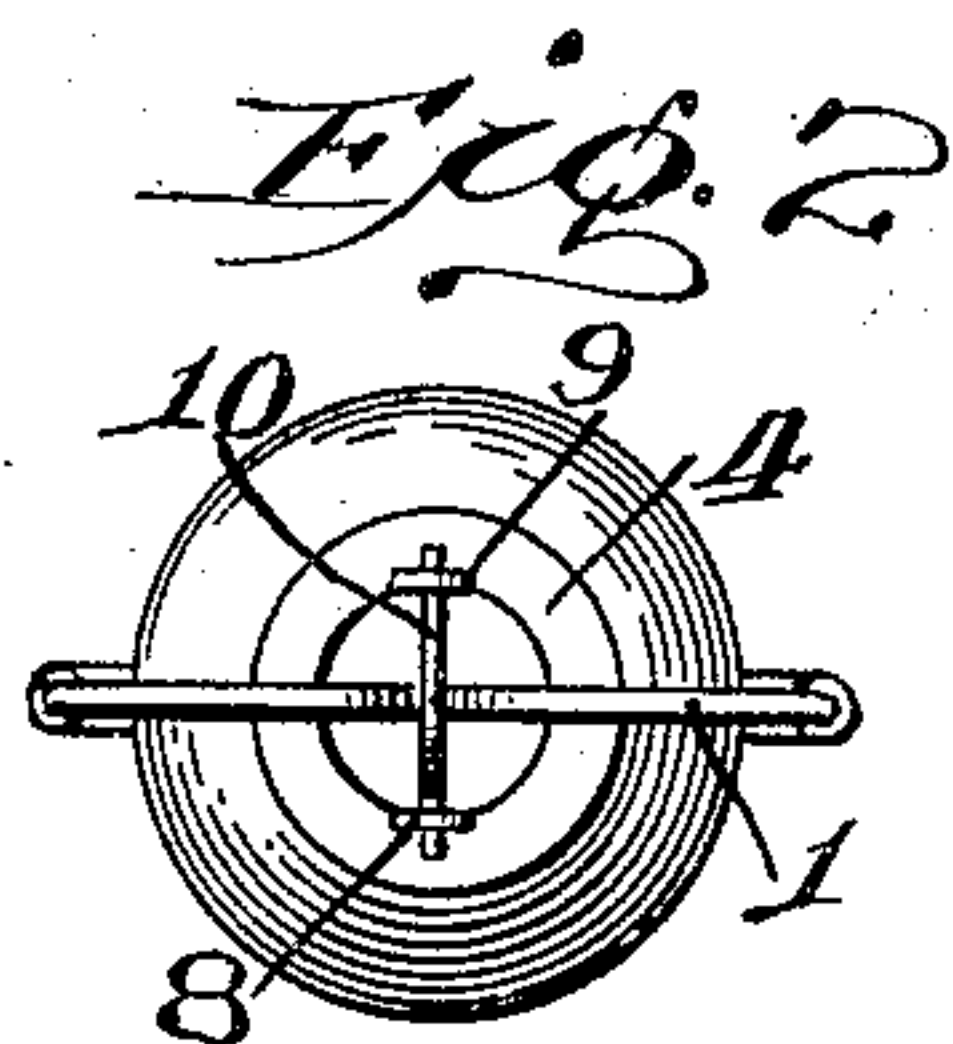
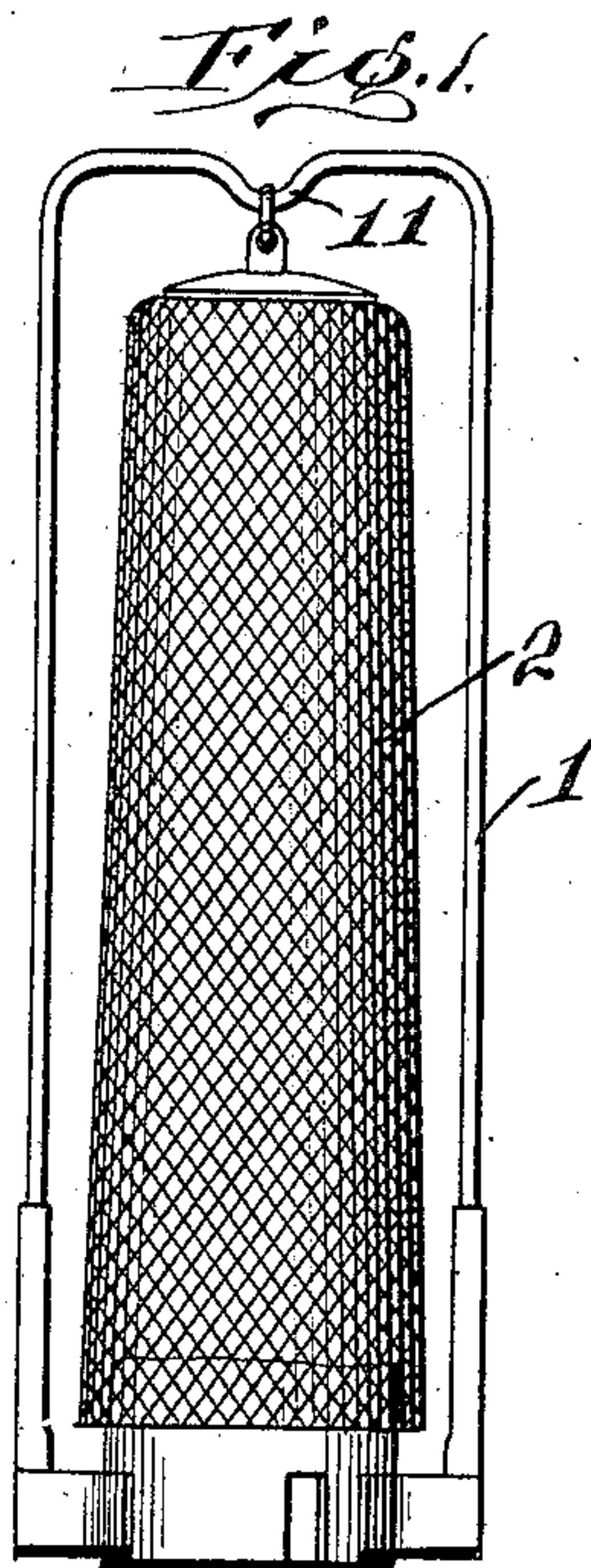


No. 844,957.

PATENTED FEB. 19, 1907.

M. OFFENBERG.
INCANDESCENT MANTLE SUPPORT.
APPLICATION FILED AUG. 21, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

MORRIS OFFENBERG, OF PITTSBURG, PENNSYLVANIA.

INCANDESCENT-MANTLE SUPPORT.

No. 844,957.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed August 21, 1906. Serial No. 331,541.

To all whom it may concern:

Be it known that I, MORRIS OFFENBERG, a citizen of Germany, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Incandescent-Mantle Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in gas-lamp mantles, and is particularly directed toward improved means for securing the same in position.

The invention comprises the production of suitable framework adapted to be secured to a bracket, a mantle suspended in said frame, means for clamping the upper end of said mantle, and pivotally-mounted means for sustaining said upper means in position.

The invention further comprises a plurality of plates adapted to have the end of a lamp-mantle clamped therebetween and a yoke for sustaining said plates pivotally secured to projections on one of said plates.

The invention further comprises the production of a plurality of plates, means for clamping said plates together for holding the end of a mantle, and an oscillating yoke secured to one of said plates for sustaining said plates and mantle in position.

The object in view is the production of clamping means adapted to be positioned at the upper end of a gas-light mantel and oscillating means secured thereto for holding said clamping-mantle in position.

A further object in view is the production of a pair of clamping-plates for securing in place a mantle, means for holding said clamping-plates in operative position, and a yoke secured to said clamping-plates, said yoke being adapted to permit an oscillating or swinging movement to said mantle.

With these and other objects in view the invention comprises certain other novel constructions, combinations, and arrangements of parts, as will be hereinafter described and claimed.

In the drawings, Figure 1 represents a side elevation of a gas-mantle frame and mantle positioned therein, my invention being shown in connection therewith. Fig. 2 is a top plan view of Fig. 1. Fig. 3 is a vertical section through a part of the mantle and frame

therefor, showing in section my invention applied thereto. Fig. 4 is a top plan view of a blank before the same has been bent into shape for clamping upon a mantle, the blank being the upper part of the clamping means forming a part of my invention.

In the production of mantles for gas-lights, commonly known as "incandescent" mantles, it has been the object of manufacturers to produce a mantle that will not break or go to pieces at the top after same has been used for a considerable time. Mantles have been thickened at this point and have also been provided with many other means for preventing the mantle from breaking after the same has been used for considerable time with more or less success. It is to this class of inventions that the present invention relates.

Referring more particularly to the drawings, 1 is a frame of any suitable construction, and 2 is a mantle positioned within said frame and made in any approved way. The mantle 2 is secured to a clamping means 3 at the top, as will be clearly seen in Fig. 3. The clamping means 3 is preferably formed in two parts, as 4 and 5. Member 5 is preferably made in a form of a ring and slightly bent, so as to be concaved or conical-shaped. The upper member 4 is also made slightly conical in shape, so as to coincide with member 5. The upper end of the mantle 2 is placed between the members 4 and 5. Then the members are secured together by means of short extension 6 and 7, formed, preferably, integral with the upper member 4. After the upper end of the mantle 2 has been placed between the members 4 and 5 the portions 6 and 7 are bent over and against the member 5 for holding the same firmly in position. The members 4 and 5 are made slightly conical, so as not to cause the mantle 2 to be too abruptly bent as the same enters the clamping means 3. The upper portion 4 of the clamping means 3 has preferably formed conical therewith extensions 8 and 9, which has formed therein suitable apertures for accommodating the ends of the yoke 10. As will be clearly seen in the drawings, the yoke 10 is suspended on a concaved or bent portion 11 of the frame 1. As will be seen in Fig. 4, all that is necessary in making the part 4 of the clamp 3 is to stamp out a blank and then bend the portion 8 and 9 forward to form ears for the yoke 10 and bend the ex-

tensions 6 and 7 downward and around a portion of the member 5 for holding the same in position.

When a mantle of any desired construction has been secured to my improved clamp and then placed in position, as shown in Fig. 1, it will be evident that the yoke 10, acting upon bent portion 11 and ears 8 and 9, will permit the mantle to swing slightly or oscillate, and thus take up any slight motion or vibration and at the same time firmly hold the mantle in operative position. By thus clamping the end of a mantle between a slightly conical clamp and mounting the same so as to permit a slight oscillation thereof, the mantle is held in correct position and sustained in such position without any probability of breaking or coming to pieces at the point of suspension.

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

1. In a mantle-support, the combination of a mantle, a clamping device at the upper portion of the mantle, a pair of perforated ears projecting outwardly from the clamping device, a yoke having the opposite ends thereof pivotally connected to the ears whereby the mantle can swing freely in one direction, and a support comprising a horizontal portion provided with a depression within which an intermediate portion of the yoke rests loosely, thereby enabling the man-

tle to swing in a direction at right angles to that previously mentioned.

2. In a mantle-support, the combination of a mantle, a clamping device comprising a pair of rings between which the upper portion of the mantle is interposed, one of said rings being formed with integral extensions for engaging the opposite ring and also with a pair of outwardly-projecting ears, a yoke having opposite ends thereof pivotally connected to the ears, and a support comprising an approximately horizontal portion provided with a depression within which an intermediate portion of the yoke rests loosely.

3. In a mantle-support, the combination of a mantle, a pair of clamping-rings between which the upper portion of the mantle is interposed, the outer ring being provided with extensions which are bent into engagement with the inner ring, and also with a pair of outwardly-bent perforated ears, a yoke having opposite ends thereof pivotally connected to the said perforated ears, and an inverted-U-shaped support provided with a horizontal portion having a depression therein, an intermediate portion of the yoke fitting loosely within the depression.

In testimony whereof I affix my signature in presence of two witnesses.

MORRIS OFFENBERG.

Witnesses:

NELLIE LOVE,
HUGO MOCK.