

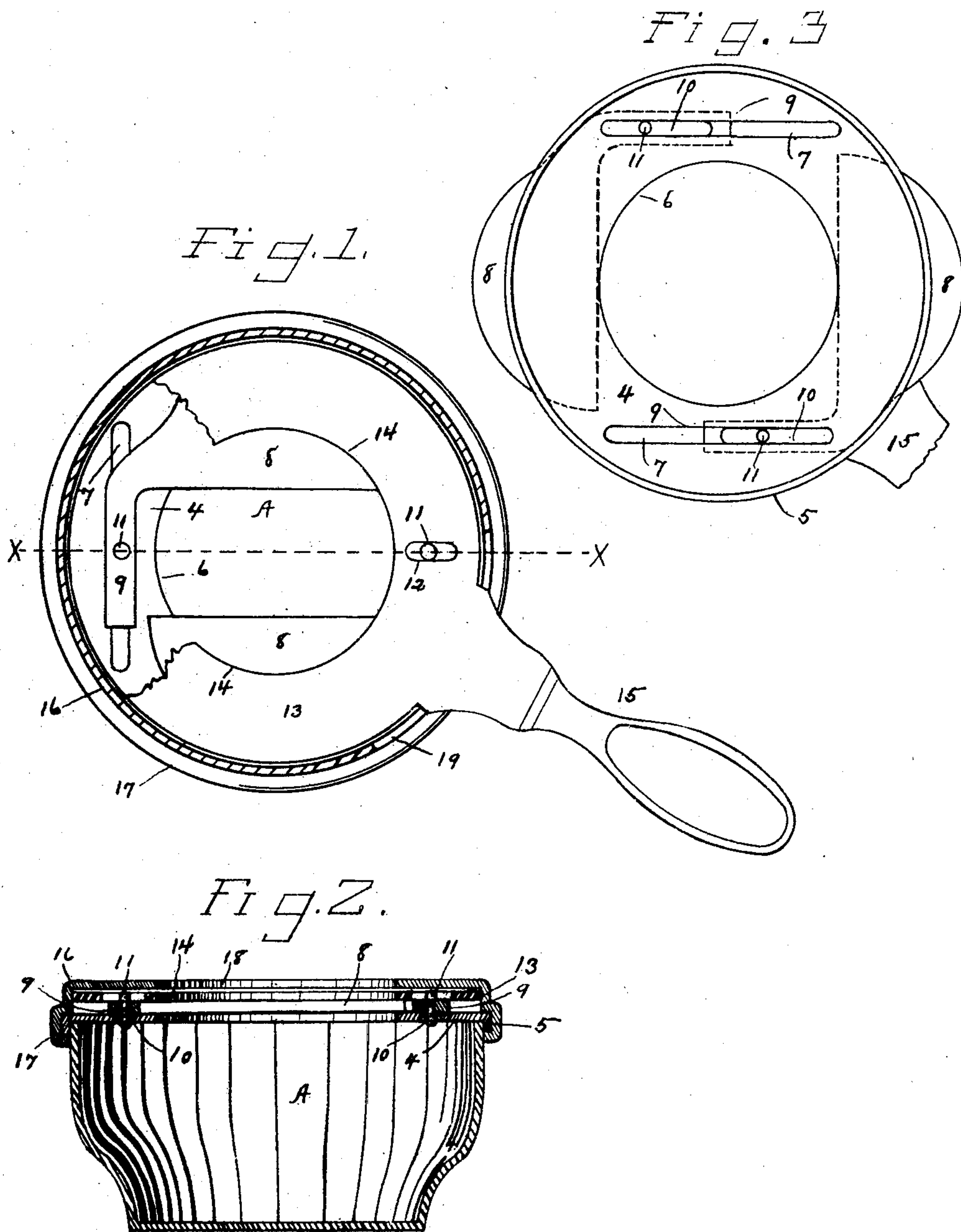
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H. C. WRIGHT.
SHUTTER FOR CHAFING DISH LAMPS.

APPLICATION FILED MAR. 1, 1904.

NO MODEL.



Witnesses.

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SHUTTER FOR CHAFING-DISH LAMPS.

SPECIFICATION forming part of Letters Patent No. 764,969, dated July 12, 1904.

Application filed March 1, 1904. Serial No. 195,966. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. WRIGHT, a citizen of the United States, residing at Bristol, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Shutters for Chafing-Dish Lamps, of which the following is a specification.

In the accompanying drawings, Figure 1 is a sectional plan view of my shutter and lamp-body, the plane of section extending horizontally through the cap just above the handle-ring. Fig. 2 is a vertical section of the same on the line *xx* of Fig. 1. Fig. 3 is a detached reverse plan view of the lamp-top and shutters with the shutters fully opened instead of partly open, as in the preceding views, the operating-handle being broken off.

A designates a lamp-body which may be of any ordinary or desired form. It is provided with a lamp-top 4, secured thereto in any ordinary manner. As shown, the said top is provided with a flange 5, that shuts down over the outer edge of the body at the top. It is also provided with the usual central opening 6, of a circular form, whereby the general form of the top is that of an annular plate. On opposite sides it is provided with parallel slots 7, that serve as ways for the shutters, hereinafter described, to slide upon and by which the shutters are guided in their parallel movement to and from each other. The two shutters are or may be duplicates. Each shutter comprises, substantially, a semicircular plate 8 and an arm 9, standing at a right angle to the straight edge of the said plate. On the under side of the said arm is a rib or ledge 10, that is fitted to the slot 7 of the lamp-top, but is made shorter than the said slot, so as to give the shutters the requisite movements to and from each other. Projecting from the upper face of the arm 9 there is a pin 11 for being received in the slots 12 of the handle-ring 13, that lies immediately over the shutters as they lie upon the lamp-top, whereby the said shutters and handle-ring are connected by a pin-and-slot connection.

The handle-ring 13, like the lamp-top, is substantially an annular plate, with a central

opening 14 corresponding to the central opening of the said lamp-top. Any suitable handle 15 extends outwardly from the lamp-body, the said handle and ring, with their pin-and-slot connection, constituting means for operating the said shutters. A cap 16 is placed over the completed shutter mechanism and is secured to the lamp-body in any proper manner—as, for example, by the flange 17, which may be turned in under the lower edge of the flange 5 of the lamp-top. The central opening 18 in the cap also corresponds to the central opening in the lamp-top. The flange 17 of the cap may be slotted or provided with the necessary openings for the projecting parts, as the opening 19 for the handle, to move in. When the shutters are fully opened, as shown in Fig. 3, then the rounded edge will project through the flange 17. When the shutters are partly opened, as shown in Fig. 1, and the handle is moved downwardly from the position therein shown, the shutters may be carried to their fully-open position, as shown in Fig. 3. By moving the handle in the opposite direction they may be fully closed and their confronting edges brought together. In making such movement the handle-ring partially rotates, with the center of the lamp as its axis, and the side walls of the slots 12, acting against the pins 11 of the shutter-arms, move the said arms longitudinally in the slots 7 without any change whatever in the parallelism of the two confronting edges of the shutters.

Shutters somewhat similar to mine have been heretofore pivoted to the lamp-top and operated by a handle and connecting-links, and the same are hereby disclaimed. In my shutters the two straight edges always have a parallel movement in opening and closing, and the parts always balance on the central longitudinal line of the handle, so that different positions of the shutters do not give the dish a tendency to tip either way, as would be the case if the parts on one side of the said line of the handle were heavier than those on the other side of the said line.

I claim as my invention—

1. The combination of the lamp-top having

parallel ways with the shutters mounted on the said top and guided in their movements to and from each other by means of the said ways, an operating-handle mounted to move
5 sidewise in a plane parallel to that of the said shutters, and mechanism connecting the said handle and shutters for simultaneously moving both of the said shutters along the said ways through the sidewise movement of the
10 said handle.

2. The combination of the lamp-top having

parallel ways with the shutters having right-angular arms fitted to and guided by the said ways, and a handle-ring or annular plate concentrically mounted on the said shutters and
15 lamp-top, and connected to the said shutters by a pin-and-slot connection.

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Witnesses:

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