T. E. MURRAY.

LOCKING DEVICE FOR FUSE PLUGS.

APPLICATION FILED JUNE 9, 1908.

908,118. Patented Dec. 29, 1908.

Fig. 1.

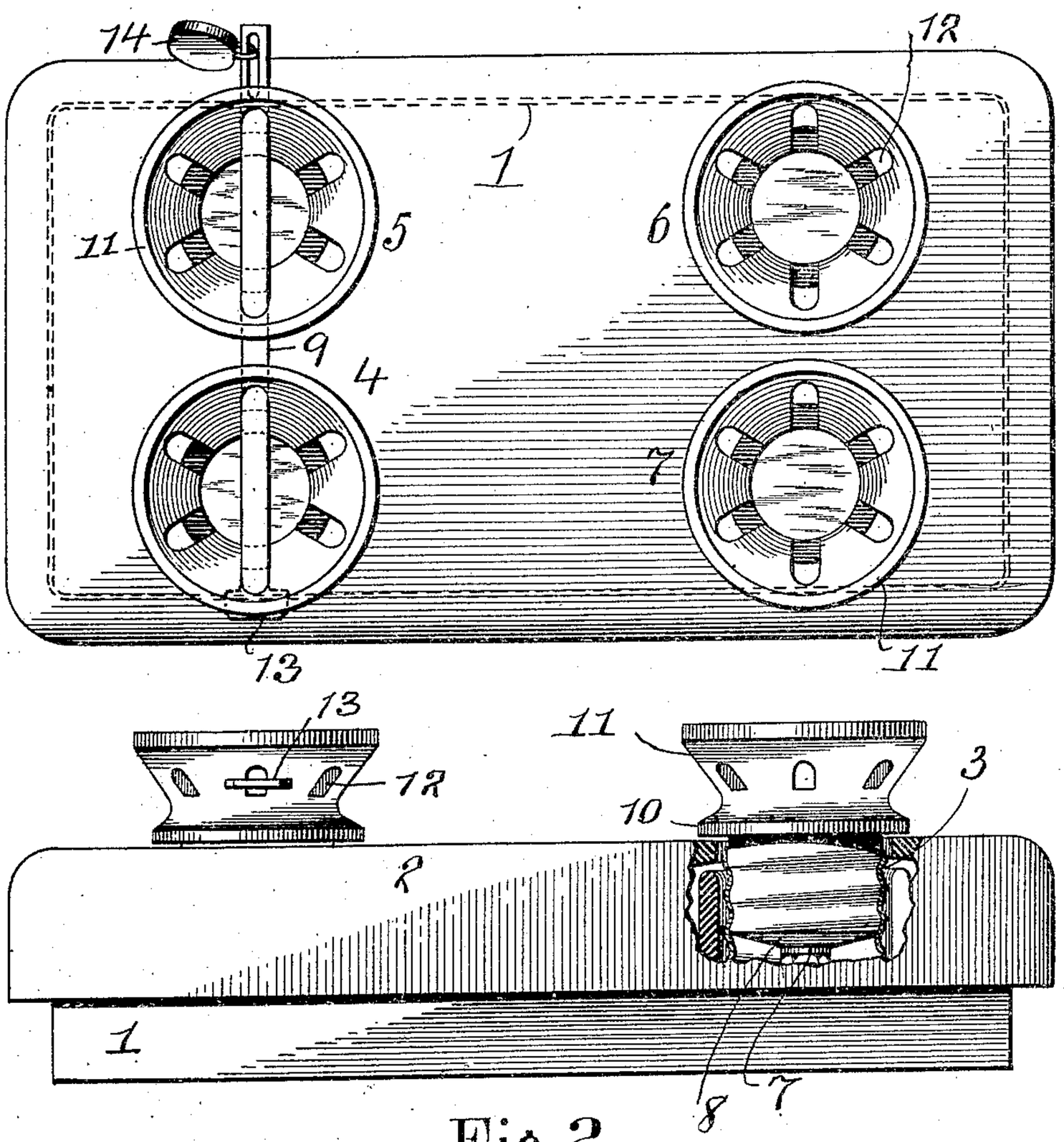

Fig. 2.

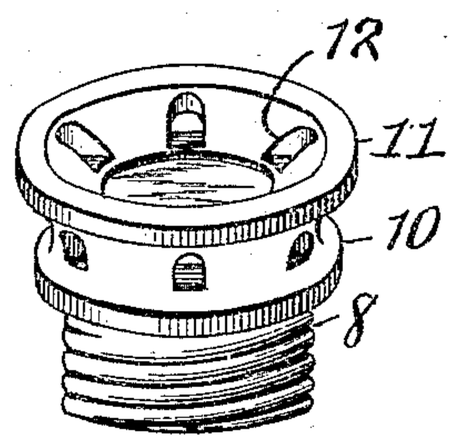

Fig. 3

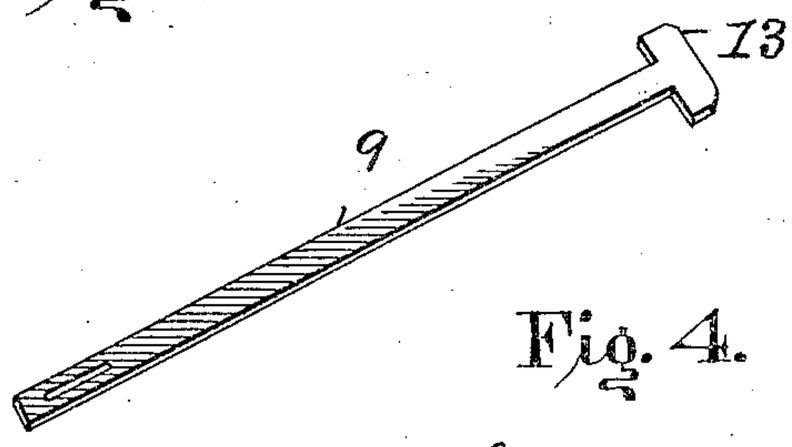

Fig. 4.

Witnesses:
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UNITED STATES PATENT OFFICE.

THOMAS E. MURRAY, OF NEW YORK, N. Y.

LOCKING DEVICE FOR FUSE-PLUGS.

No. 908,118. Specification of Letters Patent. Patented Dec. 29, 1908.

Application filed June 9, 1908. Serial No. 437,506.

To all whom it may concern:

Be it known that I, THOMAS E. MURRAY, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Locking Devices for Fuse-Plugs, of which the following is a specification.

The invention relates to means for locking in place the fuse plugs in an electrical cut out box or support, and at the same time securing the cover of said box, so that said cover cannot be raised to afford access to the interior.

The invention consists in the construction more particularly pointed out in the claims, and also in the fuse plug body as a new article of manufacture and sale.

In the accompanying drawings—Figure 1 is a plan view of a cut out box showing two pairs of fuse plugs seated therein. Fig. 2 is a side elevation, a portion of the box and cover being broken away. Fig. 3 shows one of the fuse plug bodies and Fig. 4 a locking bar, separately.

Similar numbers of reference indicate like parts.

1 is a cut out box, and 2 is a downwardly flanged cover therefor. In the box 1 are internally threaded seats, one of which is shown at 3, which receive the similarly threaded fuse plugs 4, 5, 6, 7; the said plugs then passing through openings in the cover 2. As the electrical connections in the cut out box, with which connections the fuse plugs make contact when seated and locked, form no part of the present invention, they are not shown or described.

The fuse plug bodies are cylindrical and preferably formed of porcelain or other fictile material. Each body has a threaded lower portion 8, a flange 10 of larger diameter than the opening in the cover, and above said flange an upwardly enlarging cup-shaped portion 11 having, in its walls, slots 12.

The cover 2 being placed on the box 1, the plugs are inserted in their seat so as to establish electrical contact with the connections in the box in the usual way. In order to lock both plugs and cover in place, I provide a bar 9, Fig. 4, having a cross head 13 at one end, which bar is inserted through diametrically opposite slots in cup 11 of one plug (as 4), and then through the diametrically opposite slots of cup 11 in another plug (as 5), so that the head 13 preferably bears against the exterior of the cup. By this means rotation of said plugs in order to unscrew them from their seats is prevented. It is, of course, to be understood that the relative positions of the slots in the cup-shaped flanges of each pair of plugs, receiving a bar 9 is to be such as that said slots will come diametrically opposite one another, as before defined, when said plugs make proper electrical contact with the connections in the box.

In order to prevent removal of the locking bar 9, an opening is formed near the end of said bar, through which opening, after said bar has been passed through the slots, as above described, the shackle of any suitable seal 14 may be inserted.

I claim:

1. The combination of a support having two internally threaded openings, a cover therefor having apertures respectively above said openings, threaded plugs constructed to enter said threaded openings, a cup-shaped flange having slots in its wall on each plug, and a locking bar constructed to pass through diametrically opposite slots in each of said cup-shaped flanges.

2. The combination of a support having two internally threaded openings, a cover therefor having apertures respectively above said openings, threaded plugs constructed to enter said openings and having flanges above their threaded portions, a cup-shaped flange having slots in its wall on each plug, a headed locking bar constructed to pass through diametrically opposite slots in each of said cup-shaped flanges, and provided with an opening at one end, and a seal device engaging in said end opening.

3. As a new article of manufacture and sale, a fuse plug body having a cylindrical threaded portion, a flange, and above said flange a flaring cup-shaped portion having slots formed in its wall.

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

THOMAS E. MURRAY.

Witnesses:

GERTRUDE T. PORTER,

MAY T. MCGARRY.