

No. 649,527.

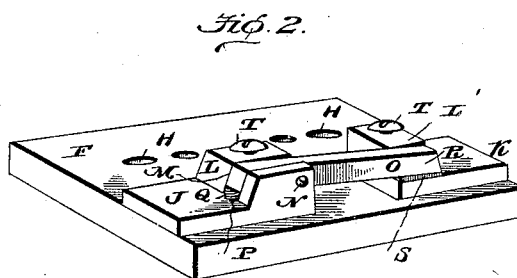
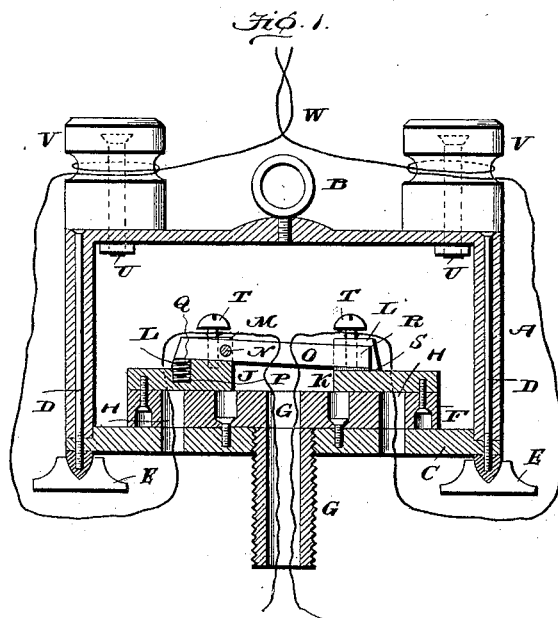
Patented May 15, 1900.

E. PETTET.

CUT-OUT.

(Application filed Nov. 14, 1899.)

(No Model.)



Witnesses:

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Inventor

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UNITED STATES PATENT OFFICE.

ELZA PETTET, OF FARMER CITY, ILLINOIS.

CUT-OUT.

SPECIFICATION forming part of Letters Patent No. 649,527, dated May 15, 1900.

Application filed November 14, 1899. Serial No. 736,926. (No model.)

To all whom it may concern:

Be it known that I, ELZA PETTET, a citizen of the United States, residing at Farmer City, in the county of De Witt and State of Illinois, have invented certain new and useful Improvements in Cut-Outs, of which the following is a specification.

My invention relates to improvements in cut-outs, and has special reference to that class of cut-outs known as "thermal" cut-outs, and it is adapted for series arc or incandescent electric lighting, the object being to provide a simple, inexpensive, reliable, and thoroughly-practical invention of this character.

To attain the desired objects, the invention consists of a thermal cut-out embodying novel features of construction and combination of parts, substantially as disclosed herein.

In the drawings, Figure 1 is a vertical sectional view of my invention, and Fig. 2 is a perspective view of the cut-out mechanism removed from the casing.

Referring to the drawings, A designates a box or casing preferably made of cast-iron and provided on the top with a suspension hook or eye B and further provided with the cover or lid C, fitting snugly in the box and secured by hinges or the bolts D, having thumb-screws E, by means of which the lid may be readily removed when found desirable or necessary. Upon the inner face of the lid is secured the porcelain base F, having the central opening G, in line with the threaded sleeve G' carried by the lid, and also provided with the two openings H, which lead to the rear of the castings J and K, respectively, these castings being secured to the porcelain base. The casting J is formed with an abutment or projection L, which is provided with the slot or groove M, in which is pivoted, by means of the screw N, the metal bar or lever O, and as a recess P is formed in the casting at the bottom of the slot and a coiled spring Q held therein the lever is always held with its head R upon the casting K, a piece of paper or non-conducting material S being placed upon the upper surface of the casting beneath the head. The casting K is formed with the abutment or projection L', and mounted in

this abutment and the abutment of the other casting are the screws T.

To the top of the casing, on each end, is attached by bolts U the insulators V, to which is connected the conductor W, which forms a loop and enters the openings H and thence passes to the screws T and thence through the opening G to the lamp, as will be readily understood.

From this description, taken in connection with the drawings, it is evident that should the lamp become burned out or otherwise destroyed and thereby break the circuit the increased force of the electric current will burn the non-conducting material between the lever and the casting K and cause the lever to contact with the casting completing the circuit and allow the current of electricity to pass uninterrupted, thus producing a reliable and practical improvement.

I claim—

1. In a cut-out, the combination of a casing or box having a lid, a porcelain base mounted upon said lid, castings secured to said base upon opposite ends thereof, a vertically-movable spring-actuated lever mounted upon one side of the center of its length in one of the castings and having its free end contacting the other casting, a piece of non-conducting material between the free end of the lever and the casting, insulators upon the exterior of the box, and conductors connected to the insulators from thence through the lid to the castings, and then to the lamp.

2. In a cut-out, the combination of a casing or box, a porcelain base mounted in said casing, a pair of castings secured to said base, a spring-actuated vertically-movable lever or bar pivoted upon one side of its center to one of said castings and having its free end contacting the other casting, a piece of non-conducting material held upon one casting by the free end of the lever, insulators upon the exterior of the box, and conductors connected to the insulators and adapted to pass through the casing to the castings, and then to a lamp.

3. In a cut-out, the combination of a casing or box, a porcelain base mounted in said casing or box, a pair of castings secured to said base and each formed with a projection and

one of said projections with a groove, a vertically-movable lever pivoted upon one side of its center in said groove, with its free end against the projection of the other casting, a
5 piece of non-conducting material resting on said casting beneath the free end of the lever, and a spring beneath the other end of the lever and seated in a groove in the casting, insulators on the exterior of the casing, and
10 conductors connected to said insulators and

passed through the base to the castings and thence to the lamp, all substantially as shown and described.

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

ELZA PETTET.

Witnesses:

L. R. HERRICK,
E. J. LONGMATE.