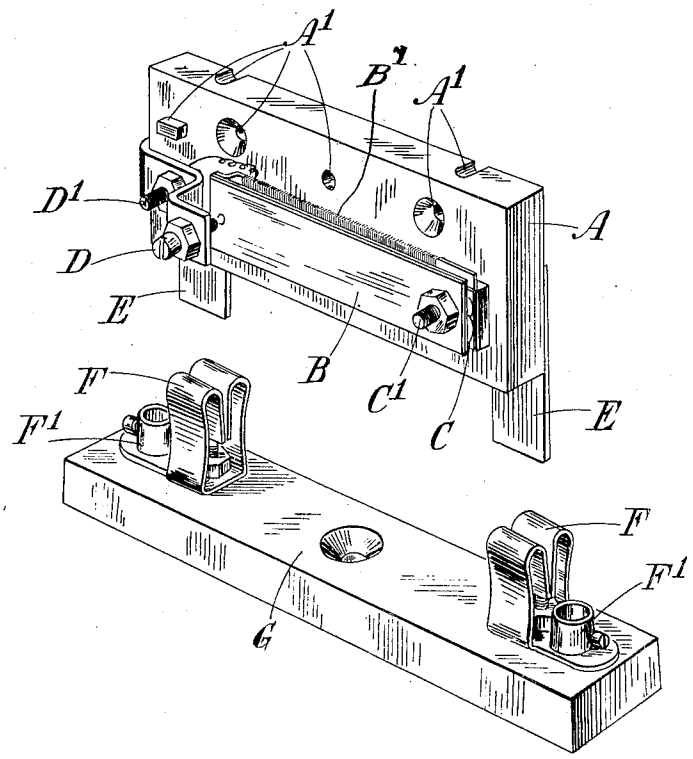
E. C. LEACHMAN.

ELECTRIC LAMP SWITCH.

APPLICATION FILED MAR. 7, 1919.

1,423,228.

Patented July 18, 1922.



Witnesses

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EDWARD CLAUDE LEACHMAN, OF LONDON, ENGLAND, ASSIGNOR TO PEARL PICTORIAL (FOREIGN & COLONIAL) LIMITED, OF LONDON, ENGLAND.

ELECTRIC-LAMP SWITCH.

1,423,228. Specification of Letters Patent. Patented July 18, 1922.

Application filed March 7, 1919. Serial No. 281,174.

To all whom it may concern:

Be it known that I, EDWARD CLAUDE LEACHMAN, a subject of the King of England, residing in London, England, have invented certain new and useful Improvements in Electric-Lamp Switches, of which the following is a specification.

This invention relates to electric lamp switches or flashers, that is to say devices intended to switch incandescent electric lamps on and off automatically. The term "flasher" is hereinafter employed to denote such a device, and the term "thermal flasher" is employed to describe such a device when heat operated. Such flashers are largely employed for advertising purposes in positions in which it is found that attention is required to keep them in order. To give the requisite attention in the most expeditious and satisfactory manner it is preferable to remove the flasher bodily from the advertising device and replace it by a perfect one and adjust or repair the removed one at the factory. The object of the present invention is to render the removal of one flasher and its replacement by another a more simple and expeditious operation than has heretofore been the case.

The present invention therefore provides the combination with a "thermal flasher" and an insulating carrier therefor of two conducting tongues projecting from the said carrier and electrically connected one to one terminal and the other to the other terminal of the "flasher". The said conducting tongues may be received in resilient contact clips carried by a separate part which is intended to be permanently connected to the source of electric supply. The carrier with the flasher upon it may thus be engaged with this second part in precisely the manner customary with what are known as clip-type fuse holders. It is preferable to make the aforesaid tongues so project and be so spaced that they may engage the clips of a standard make of fuse clip without alteration to the latter.

This invention is further described with reference to the accompanying drawing which illustrates in perspective a flasher and its carrier and clips intended to receive it.

Upon a porcelain base A of a known construction is mounted a thermal flasher of a known construction comprising a compound strip B electrically heated by a heater B' behind it as viewed in the drawing, and extending from one terminal C, to which it is firmly secured, towards an adjustable contact pin D with which the free end of the strip intermittently makes and breaks contact in the well-known manner. The base A is provided with various formations indicated at A^1 given to it for purposes which form no part of the present invention but which enable it to be used in the manner heretofore practised.

The securing screws C^1 D^1 of the terminals C D are by this invention made to secure to the carrier, brass tongues E and to put them in electrical connection with the terminals of the flasher. The tongues E are so spaced and project in such a manner that they engage spring clips F of a standard make of fuse clip of which the base G consists of a porcelain block intended to be screwed to any convenient support with leading-in wires firmly secured in the terminals F^1.

It will thus be seen that the flasher and its carrier co-operate with the clip in precisely the well-known manner employed for fuses and their carriers, the flasher and its carrier merely being substituted for the well-known fuse and its carrier.

It is to be understood that the carrier A may be replaced by any other shaped insulating carrier that may be found convenient; the particular carrier A illustrated in the drawing may be employed in the manner hereto practised or, by the simple addition of the tongues E, in the manner just above described.

Obviously the tongues E may be received by fastening-means other than the spring clips F if it is not desired that they shall fit a standard article such as the fuse-base already referred to.

What I claim as my invention and desire to secure by Letters Patent is:—

1. In a heat-operated intermittent contact maker for use with an insulating support having mounted thereon two contact clips situated with their line of engagement in a plane common to both, the combination with an insulating base, two electrically conducting blades situated in a plane common to both, which blades project beyond one edge of said base and are spaced apart and aligned to engage the said clips, a heat-operated bimetallic strip, and a contact-piece

arranged to cooperate with the free end of said strip, of means common to the other end of the strip and to one of said blades for connecting the same together electrically and also securing the same on said base, and means common to the said contact-piece and to the other of said blades for connecting the same together electrically and also securing the same on said base with the contact-piece mounted in operative relation to the free end of the strip, substantially as set forth.

2. A thermal intermittent contact maker adapted to cooperate with an insulating support having mounted thereon only two resilient contact clips situated with their line of engagement in a plane common to both, said contact maker comprising an insulating base, only two electrically conducting blades which are situated in a plane common to both, which project beyond one edge of said base and which are spaced apart and aligned to be engaged by said clips, a heat-operated bimetallic strip, a contact post cooperating with the free end of said strip, means common to the other end of the strip and to one of said blades for connecting the same together electrically and also attaching the same to said base, and means common to the said contact-post and to the other of said blades for connecting the same together electrically and also attaching the same to said base with the contact-post mounted in operative relation to the free end of the strip, substantially as set forth.

In testimony whereof I affix my signature.

EDWARD CLAUDE LEACHMAN.