

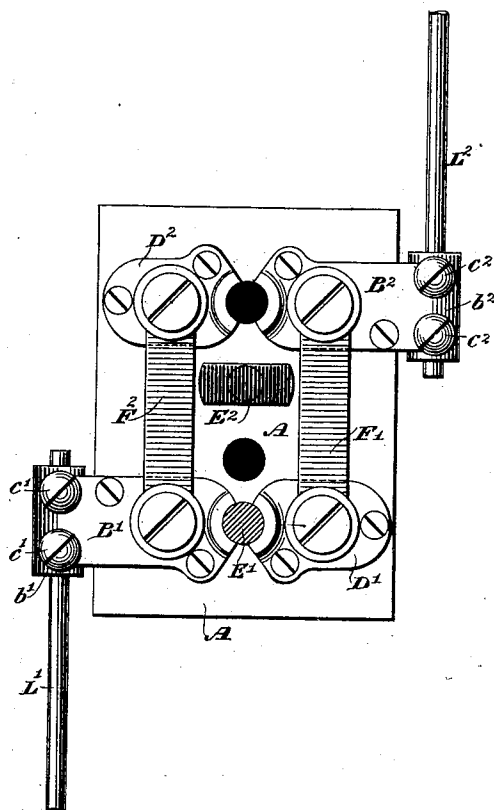
(No Model.)

P. LANGE & O. B. SHALLENBERGER.

SAFETY STRIP FOR ELECTRIC CIRCUITS.

No. 374,842.

Patented Dec. 13, 1887.



Witnesses

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UNITED STATES PATENT OFFICE.

PHILIP LANGE, OF PITTSBURG, AND OLIVER B. SHALLENBERGER, OF ROCHESTER, ASSIGNORS TO THE WESTINGHOUSE ELECTRIC COMPANY, OF PITTSBURG, PENNSYLVANIA.

SAFETY-STRIP FOR ELECTRIC CIRCUITS.

SPECIFICATION forming part of Letters Patent No. 374,842, dated December 13, 1887.

Application filed September 1, 1887. Serial No. 248,472. (No model.)

To all whom it may concern:

Be it known that we, PHILIP LANGE, a subject of the Emperor of Germany, residing in Pittsburg, in the county of Allegheny, and OLIVER B. SHALLENBERGER, a citizen of the United States, residing in Rochester, in the county of Beaver, both in the State of Pennsylvania, have invented certain new and useful Improvements in Safety-Strips for Electric Circuits, of which the following is a specification.

The invention relates to the construction of devices employed for connecting electric conductors with each other through fusible strips, which serve to protect the apparatus connected in the circuit from being injured by currents of abnormal strength.

The invention consists, generally, in providing a given circuit with two fusible strips, either of which may be connected in the circuit at will, so that when one is destroyed the other may be brought into action in a ready manner. The two conductors lead, respectively, to binding-plates upon the opposite sides of a suitable base. Adjacent to these binding-plates are two contact-plates, which may be respectively connected with the binding-plates by suitable switch-plugs. Each binding-plate is connected with the remote contact-plate by a fusible strip.

The invention will be described more particularly in connection with the accompanying drawing, which is a plan view of the device.

Referring to the drawing, A represents a suitable base of non-conducting material—such, for instance, as wood. This carries a binding-plate, B', for receiving a conductor, L'. For this purpose the plate is provided with an enlargement, b', having an opening, into which the conductor is bound by screws c'. The inner end of the plate B' confronts a contact-plate, D', with which it may be placed in electrical connection by a switch-plug, such as is represented at E'. The plate D' is connected by a strip, F', of fusible material, with a sec-

ond binding-plate, B², upon the opposite side of the base from the plate B'. This second plate, B², receives a conductor, L², which passes into an opening through an enlargement, b², where it is secured by screws c². A second contact-plate, D², is placed opposite the inner end of the plate B², the confronting edges being formed to receive the switch-plug E². The plate D² is connected with the plate B' by a fusible strip, F².

It is designed that but one of the strips F' or F² shall be in circuit at a time. Thus the strip F' is here shown as placed in circuit, the plug E² being simply inserted in the base A. Should the strip F², however, be burned out, the plates D² and B² may be connected together by a switch-plug, and thus the circuit-connections continued while the strip F' is being replaced, the plug E' being meanwhile removed.

We claim as our invention—

1. The combination, with a supporting-base, of two binding-plates upon the opposite sides of the base, two contact-plates, respectively applied to said binding-plates, two fusible strips, respectively connecting each binding-plate with the contact-plate applied to the other binding-plate, and means for electrically connecting either binding-plate with the corresponding contact-plate.

2. The combination, with two binding-plates for receiving electrical conductors, of two fusible strips, respectively connected at one end therewith, two contact-plates with which the remaining ends of said strips are respectively connected, and coupling devices for connecting either contact-plate with the binding-plate connected with the other fusible strip.

In testimony whereof we have hereunto subscribed our names this 1st day of July, A. D. 1887.

PHILIP LANGE.
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Witnesses:

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