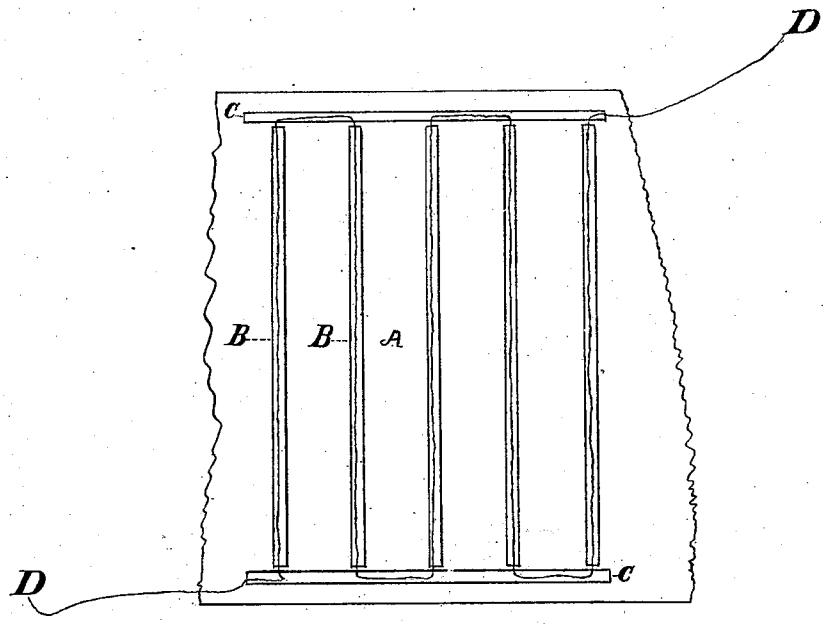
H. C. ROOME.

Electrical Envelope for Safes and Vaults.

No. 237,603. Patented Feb. 8, 1881.



Witnesses.

James Tommey

Benjamin Whittaker

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UNITED STATES PATENT OFFICE.

HENRY C. ROOME, OF JERSEY CITY, NEW JERSEY.

ELECTRICAL ENVELOPE FOR SAFES AND VAULTS.

SPECIFICATION forming part of Letters Patent No. 237,603, dated February 8, 1881.

Application filed July 5, 1878.

To all whom it may concern:

Be it known that I, HENRY C. ROOME, of Jersey City, in the county of Hudson and State of New Jersey, have invented a certain new and useful Improvement in Electrical Protection for Buildings and other Structures, of which the following is a specification.

This invention relates to the electrical protection afforded to buildings and other structures by applying to the walls thereof a wire or other electric conductor in communication with an alarm or signal at a place distant from the building or structure where watch is kept.

The accompanying drawing represents a section of wall protected according to my invention.

A represents a section of a wall.

B B designate parallel, or approximately parallel, slats or furring-pieces fastened thereto, independently of and unconnected with each other, by means of screws, nails, or otherwise.

D designates a wire or electrical conductor applied to and extending over the wall A in a zigzag course, parallel, or approximately parallel, portions thereof being fastened to the slats B by tacks, nails, staples, or other suitable means, and being thereby supported and retained in place. The portions of the wire or electric conductor which are between these referred-to parallel, or approximately parallel, portions are shown as secured similarly to slats C, shown as extending transversely to, and as independent of and unconnected to, the slats B. By supporting and retaining the wire or electric conductor to the wall by these slats B C, much expense is saved as compared with the cost of employing a continuous panel to subserve the same purpose; and, moreover, a great practical advantage and considerable additional safety is thereby afforded, for a continuous panel may, by prying away one part, be bodily removed without severing the wire or electric conductor, whereas if one of the independent slats were pried away it would cause the severing of the wire or electric conductor.

The slats C may be fastened to the wall in the same way as the slats B. When there is a base-board at the bottom or beams at the top, the wire can be fastened directly to these and the slats can be dispensed with, the object being to have the slats B and the support for the wire, in crossing from one slat to the other, independent of each other, so that when one is forced off from the wall the other will hold firm and thus break the wire.

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

1. The combination, with a building, apartment, or other structure to be protected, of a wire or electric conductor arranged to traverse the walls or other boundaries of the structure in a zigzag course, and a series of slats independent of the said structure, one for and serving to support and retain in place each of a number of parallel, or approximately parallel, portions of the wire or electric conductor independently of each other, and being themselves fastened to the boundaries of the structure independently of and unconnected with each other, substantially as and for the purpose specified.

2. The combination, with a building, apartment, or other structure to be protected, of a wire or electric conductor arranged to traverse the walls or other boundaries of the structure in a zigzag course, and a series of slats independent of the said structure, one for and serving to support and retain in place each of a number of parallel, or approximately parallel, portions of the wire or electric conductor independently of the others, and being themselves fastened to the structure independently of and unconnected with each other, and a slat or slats for supporting and retaining in place those portions of the wire or electric conductor which intervene between the aforesaid parallel, or approximately parallel, portions, substantially as and for the purpose specified.

3. The combination, with a building, apartment, or other structure to be protected, of a wire or electric conductor arranged to traverse the walls or other boundaries of the structure in a zigzag course, and means, independent of the structure, whereby parallel, or approximately parallel, portions of the wire or electric conductor are supported and retained in place independently of the intervening portions thereof, substantially as and for the purpose specified.

H. C. ROOME.

Witnesses:
JAMES TOMNEY,
BENJAMIN WHITTAKER.