

(No Model.)

W. C. IRELAND.
SAFE.

No. 483,153.

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Fig-2.

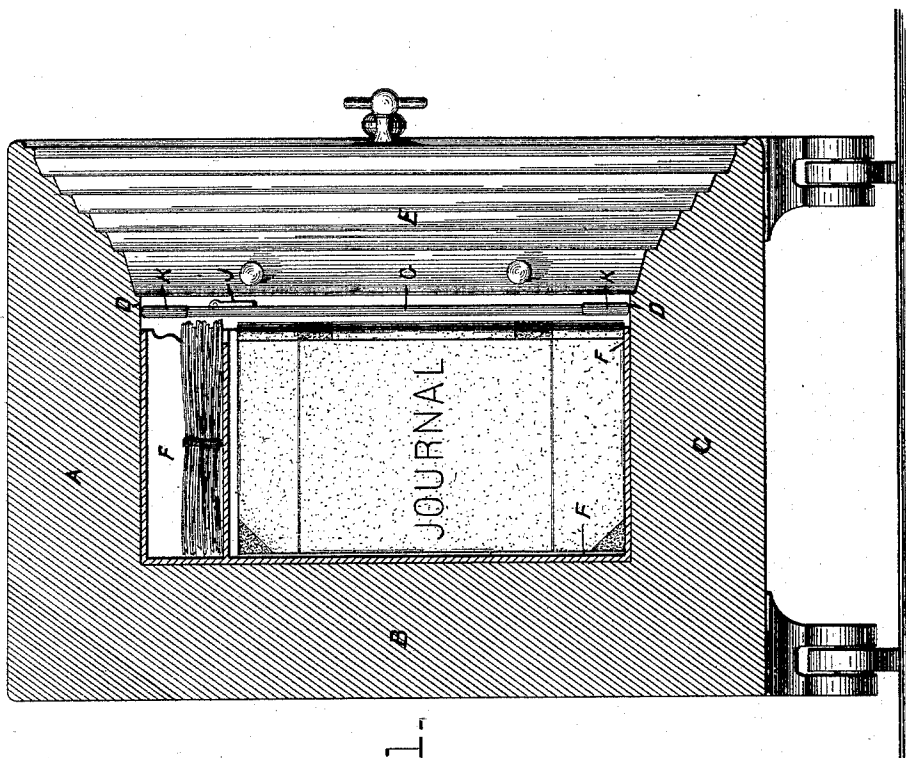
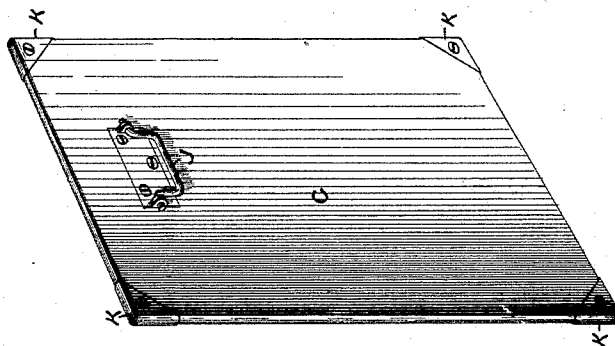


Fig-1.

Witnesses.
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SPECIFICATION forming part of Letters Patent No. 483,153, dated September 27, 1892.

Application filed December 21, 1891. Serial No. 416,785. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM CARLTON IRELAND, a citizen of the United States of America, and a resident of the city of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Safes, of which the following is a full, clear, and exact description.

As well known, safes accepted as reliably fireproof on being exposed to fire show the portion of their contents—account-books, paper writings, &c.—at the rear and sides of the safe to be uncharred or otherwise uninjured to any appreciable extent, while the portions at the front or door of the safe are charred and injured to a considerable degree, even if not absolutely destroyed. The reasons for this are generally believed to be the greater heat at the door than at the rear and sides of the safe and the closer contact of the contents with the door than with other portions of the safe, because of the always landing of the safe on its door—the heavier side.

It is the object of this invention to remedy these disadvantages; and to that end it consists in providing the safe inside of the door-jamb with a removable plate or board, which is made of material—such as asbestos or magnesio-calcite—that is a non-conductor of heat and non-combustible and is shaped to fit the opposite side, top, and bottom walls of the safe and has means—such as a handle—by which to place it in position within and to remove it from the safe.

In the drawings forming part of this specification, Figure 1 is a central vertical section from front to rear of a fireproof safe having its walls and door, as well as its interior or chamber, of any of the usual or other suitable constructions to render the walls and doors of the safe essentially fireproof and its interior adapted for the reception of articles—account-books, paper documents, and such like—as the safe is intended to hold. This figure shows the door of the safe as closed and the removable plate or board of this invention as in place and both in side view. Fig. 2 is a perspective view of said removable plate or board.

In the drawings, A and B and C are the top, rear, and bottom walls, D is the door opening or jamb, E is the door, and F is the interior or chamber, of the safe, all as before stated and of themselves forming no part of this invention.

G is a removable plate or board located within and shaped to fit side, top, and bottom walls of the door-opening D and preferably closely and at the inner end portion thereof. This plate or board G is made of material practically non-combustible and a non-conductor of heat, such as woven or otherwise suitably-prepared asbestos or magnesio-calcite or paper or card-board suitably treated or any other well-known or suitable material. Said plate or board has a handle J, preferably a swinging and drop handle, but in any event and for obvious reasons such as to lie close on the board. Each corner of the board G has an attached projecting corner-piece K, made of sheet metal or other suitable material and shaped, preferably, to embrace the opposite side faces and the meeting edges at and making a corner of the partition.

The combination, with the door-opening and the door of a fireproof safe, of a detachable board or plate of the character and adaptability described obviously when the safe is exposed to fire prevents injury of its contents at their portions toward the door, and, being removable and unattached to the door, as stated, the safe can be used as ordinarily, and when placing it in the safe it can be adjusted in position as to the contents of the safe as may be desired, consistent, of course, with the space between the inner face of the door and the interior construction of or the contents of the safe.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is:—

1. The combination, with a safe having a door-opening and a door, of a board or plate made of a material which is non-combustible and a non-conductor of heat fitting said door-opening and removable and replaceable therein independent of the door, substantially as described.

2. A board or plate made of a material
which is non-combustible and a non-conduct-
or of heat and is shaped to fit the side, top, and
bottom walls of a fireproof safe at the inner por-
5 tion of the door-opening and has a handle by
which to place it in and out of position in said
opening, as described, for the purposes speci-
fied.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing 10
witnesses.

WM. CARLTON IRELAND.

Witnesses:

ALBERT W. BROWN,
JOHN F. NELSON.