

J. W. BROOK.

Portable Safe-Protector.

No. 131,842.

Patented Oct. 1, 1872.

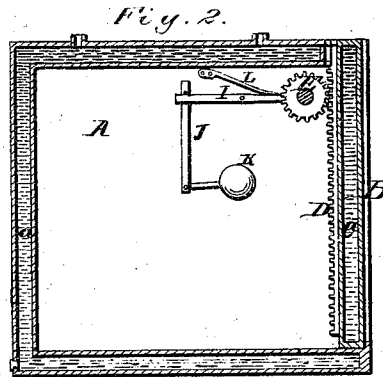
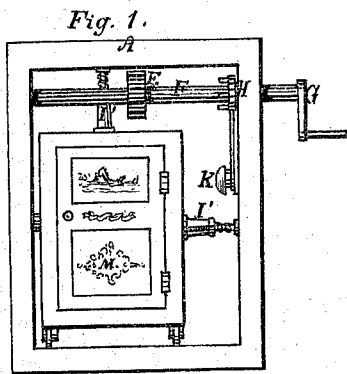


Fig. 3.

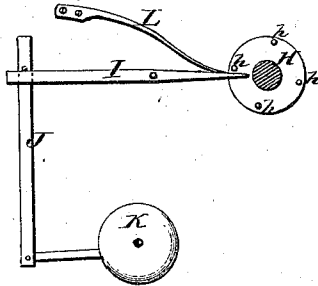


Fig. 5.

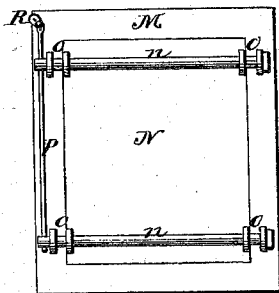
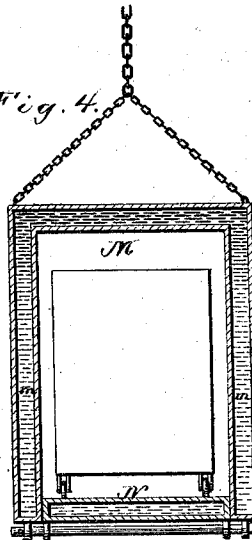


Fig. 4.



Witnesses.
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UNITED STATES PATENT OFFICE.

JAMES W. BROOK, OF LYNCHBURG, VIRGINIA.

IMPROVEMENT IN PORTABLE SAFE-PROTECTORS.

Specification forming part of Letters Patent No. 131,842, dated October 1, 1872.

To all whom it may concern:

Be it known that I, JAMES W. BROOK, of Lynchburg, in the county of Campbell and State of Virginia, have invented an Improved Portable Safe-Protector; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a front elevation of my invention, showing the front wall or door removed; Fig. 2 is a longitudinal vertical section; Fig. 3 is a view of the alarm mechanism detached; Fig. 4 is a sectional elevation, showing a modification of my invention; and Fig. 5, a bottom view of the same.

Similar letters of reference in the accompanying drawing denote the same parts.

This invention has for its object to provide for public use a portable protector for ordinary fire-proof or other safes, which can be used for any safe without particular reference to its construction; and to this end it consists, mainly, of a double-walled iron case, sufficiently large to inclose a safe of ordinary size, and provided on all sides with a space which is to be filled with water. It is also provided with a door, which slides vertically in suitable grooves, and is operated by rack and pinion, the turning of which latter operates an alarm-gong located in the inside of the case.

The details of construction and method of operation will be more fully described hereinafter.

A represents a rectangular case, constructed with double iron walls, between which is a space, *a*, of any desired width, which is filled with water. The space *a* extends entirely around the case, excepting at the front, which is protected by a door, B, of similar construction, which is provided with a water-space, *c*. The door B slides vertically in grooves in the front end of case A, and is provided with the vertical rack D, which meshes with the pinion E. This latter is located on a shaft, F, which runs across the case A near the front thereof, and is suitably journaled in its walls. Said shaft is provided at one end with a square head, which projects through the case A far enough to engage the socket of a crank, G, therewith. H represents a disk, which is located near one end of the shaft F within the

case A, which disk is provided with a suitable number of pins, *h*, which project from the same at equal distances from and parallel with the shaft F. I represents a lever, which is pivoted to the side of the case A, one end of which extends beside the disk H within the arc of the pins *h*, by each of which it is successively depressed, and its opposite end elevated, thereby raising a vertical connecting-rod, J, which passes through a slot in the end of said lever, and causing a spring-hammer to strike the gong K. It will thus be seen that, as the shaft F is revolved in the proper direction, the pinion E engages with the rack D, and raises the door B. At the same time the pins *h* of disk H act on the lever I and connecting-rod J in such manner as to strike the gong at the contact of each of the pins *h* with the lever, which latter is kept in the position shown in Figs. 2 and 3 by a spring, L. The spaces *a c* are supplied with water through suitable orifices in the upper part of the case, which is also provided with vents for the escape of steam in case of fire. The square head of the shaft F projects into a recess on the outside of case A so that its end is flush with the surface of the same, thereby preventing the revolving of the shaft by any person unprovided with the proper key or crank G. In case, however, the door should be opened, the alarm-gong always gives notice, as it is impossible to tamper with the latter, it being with the rack and pinion inside the case A.

This arrangement constitutes a simple as well as efficient protector, and can be constructed of any desired size. It practically doubles the security of the ordinary safe without a corresponding increase in cost, its construction being comparatively simple and cheap. If desired, the case can be located on rollers. The safe is held in position within the case A by jack-screws I', as shown in Fig. 1.

Fig. 4 shows a modification of my invention, which consists of a bottomless case, M, which is provided with a water-space, *m*, and raised and lowered by a chain or other suitable means, the case resting on the floor of an apartment when lowered, and inclosing the safe, which rests on a water-packed platform, which practically constitutes its bottom. The case M and bottom N are locked together by rods *n*, which pass through lugs O on the lower side,

and are in turned locked by a transverse rod, P, which passes through the ends of rods *n* and is secured by a suitable lock, R.

I do not desire to claim the idea of protecting safes by water-spaces, nor the broad idea of inclosing a safe in a separate casing, as safes have been so arranged to be lowered into a vault, for instance; but I am not aware that a portable safe-protector, adapted to hold any ordinary safe, and yet be wholly independent of it, has ever been produced.

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

1. As a new article of manufacture, a portable safe-protector, consisting of a metallic case,

A, having hollow walls to receive water and an open bottom or side, by which it is adapted to be fitted over an ordinary fire-proof safe, substantially as described, for the purpose specified.

2. The case A, provided with the vertically-sliding door B, operated by the rack D and pinion E, in combination with the alarm mechanism, consisting of the disk H, lever I, connecting-rod J, and gong K, as and for the purposes described.

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Witnesses:

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