

*J. M. Ewing,*

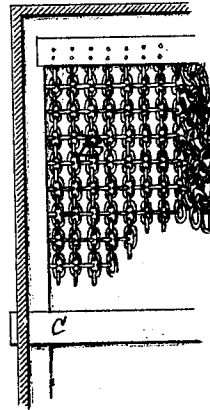
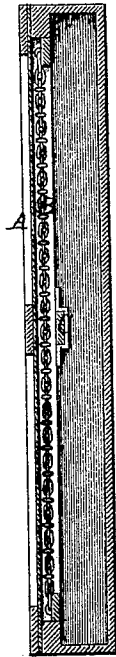
*Burglar Proof Safe.*

*No. 100,741.*

*Patented Mar. 15. 1870.*

*Figure 1—*

*Figure 2—*



ATTEST:

*James Thierry*  
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INVENTOR:

*J. M. Ewing*  
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# United States Patent Office.

JOSEPH M. EWING, OF HASTINGS, MICHIGAN.

Letters Patent No. 100,741, dated March 15, 1870.

## IMPROVEMENT IN BURGLAR-PROOF SAFES.

The Schedule referred to in these Letters Patent and making part of the same.

### To whom it may concern:

Be it known that I, JOSEPH M. EWING, of Hastings, in the county of Barry, and State of Michigan, have invented a new and useful Improvement in Burglar-Proof Safes; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a vertical section of a safe-door, showing in elevation my improved chain-armor, and

Figure 2 is an enlarged detail of the armor.

Similar letters of reference indicate corresponding parts in each figure.

The nature of my invention relates to an improved construction of the doors and walls of safes and vaults, whereby burglars are precluded from entering the same.

It consists in suspending between the outer and inner sheets of such doors and walls an armor, composed of chains interlinked or interwoven with each other in such a manner that the tools of the burglar will have no effect upon them.

In the drawings—

A represents the front sheet of a safe-door, about the construction of which there is nothing new.

B is a sheet of armor, composed of straight, or preferably twisted link-chains, interlinked or inter-

woven with each other, and constructed of any suitable metal.

Said armor is secured at its edges to the outer walls or plates of the door and walls of the safe or vault, but hangs loosely in position.

C represents the lock-bolt which is placed behind the armor.

It will readily be seen that should a burglar attempt to reach the bolt by drilling through the door, when the armor is reached, the drill will be turned aside by the yielding link, which will not remain steady under the pressure of the drill. The same result obtains in the use of the punch, cold chisel, saw, or other tool.

If desired, an elastic backing of rubber or other material may be interposed between the armor and inner plates.

The usual fire-proof filling is properly inclosed in a casing behind that containing the armor.

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

In the construction of burglar-proof safes and vaults, the employment of chain armor, as and for the purpose set forth.

JOS. M. EWING.

Witnesses:

JOHN MCAFEE,  
WM. BUGLER.