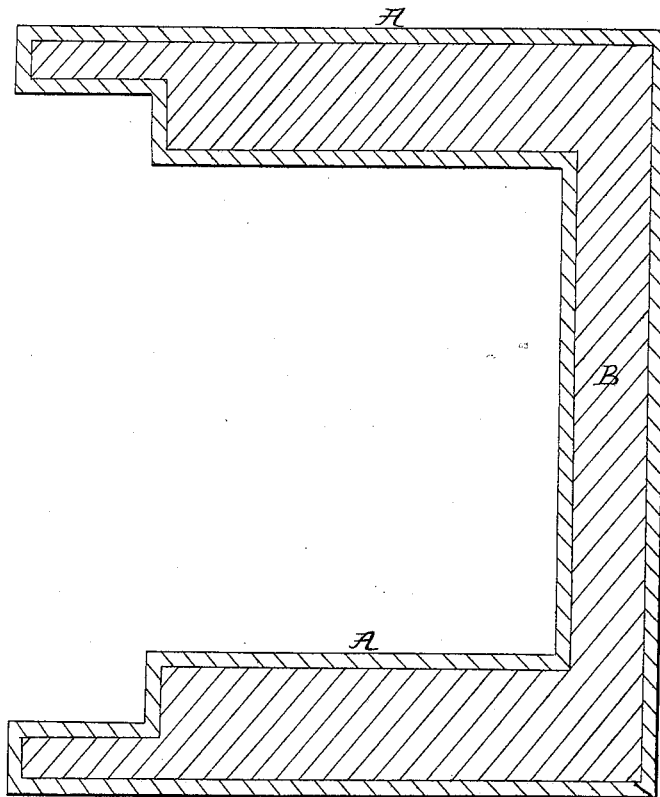


*S. T. Fowler,*  
*Fire-Proof Safe.*

*Nº 51,937.*

*Patented Jan. 9, 1866.*

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*Witnesses:*

*Inventor:*

*Peter O'Kenny*  
*Amos Broadway*

*Samuel T. Fowler*

84

# UNITED STATES PATENT OFFICE.

SAMUEL T. FOWLER, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN THE MANUFACTURE OF FIRE-PROOF SAFES.

Specification forming part of Letters Patent No. **51,937**, dated January 9, 1866.

*To all whom it may concern:*

Be it known that I, SAMUEL T. FOWLER, of the city of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Fire-Proof Safes; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawing, making part of this specification, by which is shown a transverse section through a safe made after the manner of my invention.

The object of my improvement is to increase the power of the safe to protect its contents both from fire and from dampness, and at the same time increase its durability by rendering it non-corrosive. To accomplish this object I construct the shell of the safe in the ordinary manner and after the ordinary style, and fill or pack it with hydraulic cement, instead of plaster or other filling hitherto employed for that purpose. This cement I prepare by mixing it with hot water and then applying it in the same manner that plaster is now applied.

The advantage of mixing the cement with hot instead of cold water is that the hot water more thoroughly expands the cement, makes a

given quantity of it fill a larger space than when mixed with cold water, makes it set more readily, and makes it more porous and a better non-conductor.

The advantage of cement over the plaster now generally employed for filling is that after it has set it does not absorb moisture and does not corrode the iron or steel composing the shell of the safe, and when subjected to fire does not granulate, as is the case with plaster, but maintains itself in a mass as formed by the interior of the safe.

Having now described the nature of my improvement and the manner of applying the same, I claim and desire to secure by Letters Patent—

1. The new article of manufacture consisting of a safe filled with hydraulic cement, as described, for the purpose specified.

2. Preparing the cement to fill the safe, as aforesaid, by mixing it with hot water, as set forth.

SAMUEL T. FOWLER.

Witnesses:

AMOS BROADNAX,  
PETER D. KENNEY.