

W. M. Farland,

Safe.

No. 97,423

Patented Nov. 30, 1869.

Fig. 1

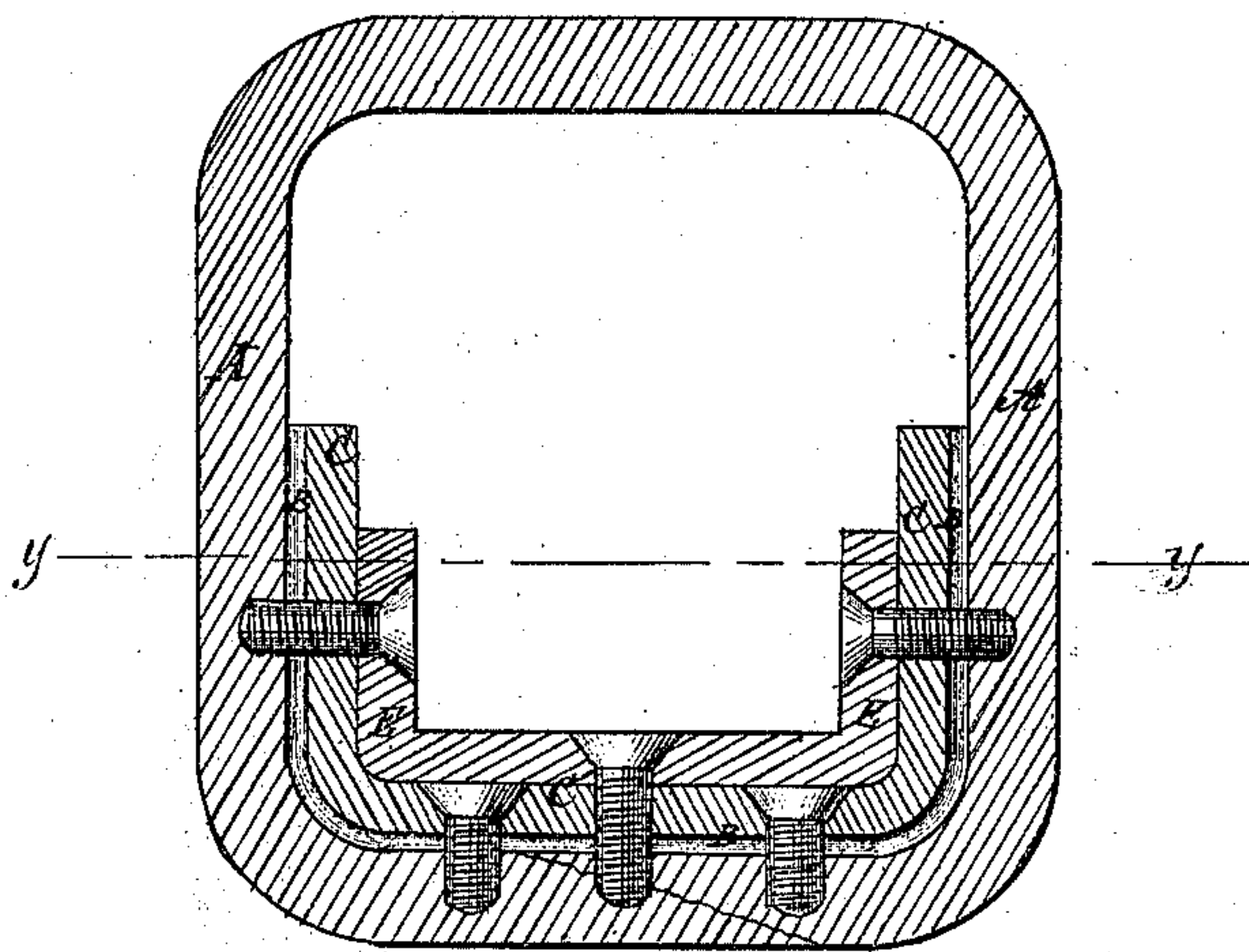
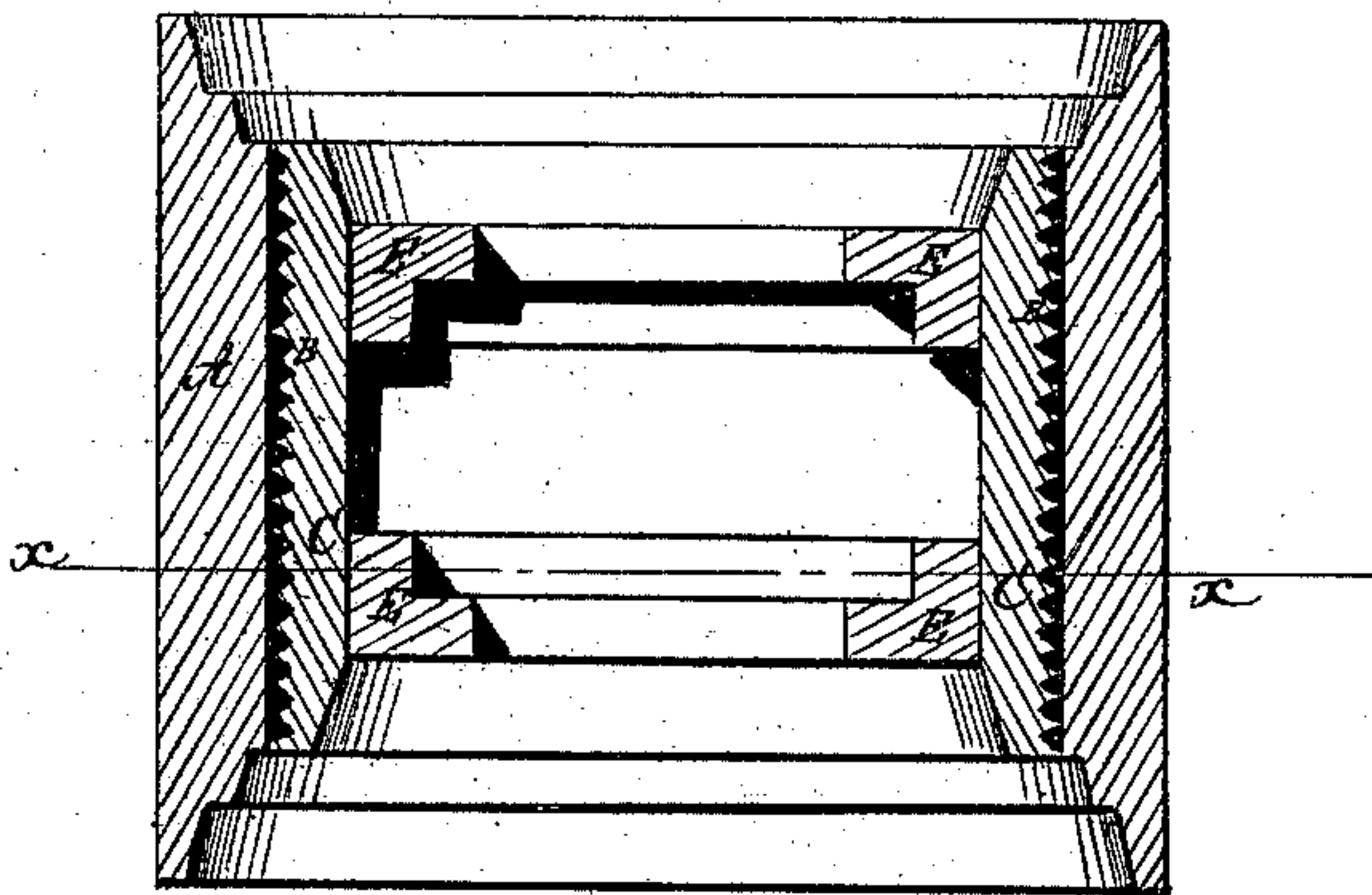


Fig. 2



Witnesses:

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United States Patent Office.

WILLIAM McFARLAND, OF WILLIAMSBURG, NEW YORK.

Letters Patent No. 97,423, dated November 30, 1869.

IMPROVEMENT IN SAFES.

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

To all whom it may concern:

Be it known that I, WILLIAM McFARLAND, of Williamsburg, in the county of Kings, and State of New York, have invented a new and useful Improvement in Burglar-Proof Safes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 is a vertical section of my improved safe, taken through the line *x x*, fig. 2.

Figure 2 is a horizontal section of the same, taken through the line *y y*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to improve the construction of my improved safe, patented September 14, 1869, and numbered 94,761, so as to make it more convenient in construction and use, while being equally strong and safe against the attacks of burglars; and

It consists in the construction of the outer and inner parts or shells, as hereinafter more fully described.

The safe is made rectangular in its general form, with the cross-corners rounded off, as shown in fig. 1.

The outer case or shell A is made of a single plate of metal, one and a quarter inches thick, bent into the proper form, and having its edges securely and thoroughly welded together.

The weld may be in the middle part of either of the plane or flat sides of the safe, preferably upon the bottom side, but never at or near any of the rounded corners.

By this construction of the shell A, there will be no angle or corner for the burglar to operate upon, the said shell being continuous, and without square corners.

The steel ribs B are formed upon the steel sides of a plate, C, of steel and iron, formed by the well-known process.

The steel-ribbed plate B C is then bent into the proper form to fit into the interior of the rounded corners of the shell A.

The ribbed plate B C may be made in one piece, with the joint in the middle part of one of the plane sides, or it may be made in two pieces, with the joints in the middle parts of two opposite sides, or the side parts of said ribbed plate may have the rounded corners formed in them, near their upper and lower edges, the plane spaces between said edges being occupied by plane pieces of said ribbed plate, in every case, the rounded corners being formed in the solid body of the plate.

By this construction, should the outer shell A be pierced, it will be impossible for the steel ribs B to be broken by a blow, and removed in pieces, as the iron plate C, upon which said ribs are formed, serves as a backing, to preserve said ribs from being thus broken and removed.

The ribbed plate B C is secured to the outer shell A by steel-pointed bolts, passing through said ribbed plate, and entering the outer shell A.

E are angular bands or plates, placed in the angles between the body and the ends of the safe, one flange of each of said angular plates being bolted to the shell A, through the ribbed plate B C.

The rear end of the safe is bolted to the other flange of the rear angular plate, with steel-pointed bolts passing through the said flange, through the ribbed plate B C, and into the outer shell A.

The door of the safe shuts against the other flange of the forward angular plate E, the lock of said door projecting inward, and the bolts of said lock shooting along the inner surface of said flange.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

A burglar-proof safe, composed of outer shell A, inner ribbed or serrated shell B C, and angular plates E, constructed, arranged, and fitted together in the manner described.

WM. McFARLAND.

Witnesses:

GEO. W. MABEE,
JAMES T. GRAHAM.