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C. G. BENNET.

FIREPROOF LOCK BOX.

APPLICATION FILED DEC. 15, 1921.

1,421,150. Patented June 27, 1922.

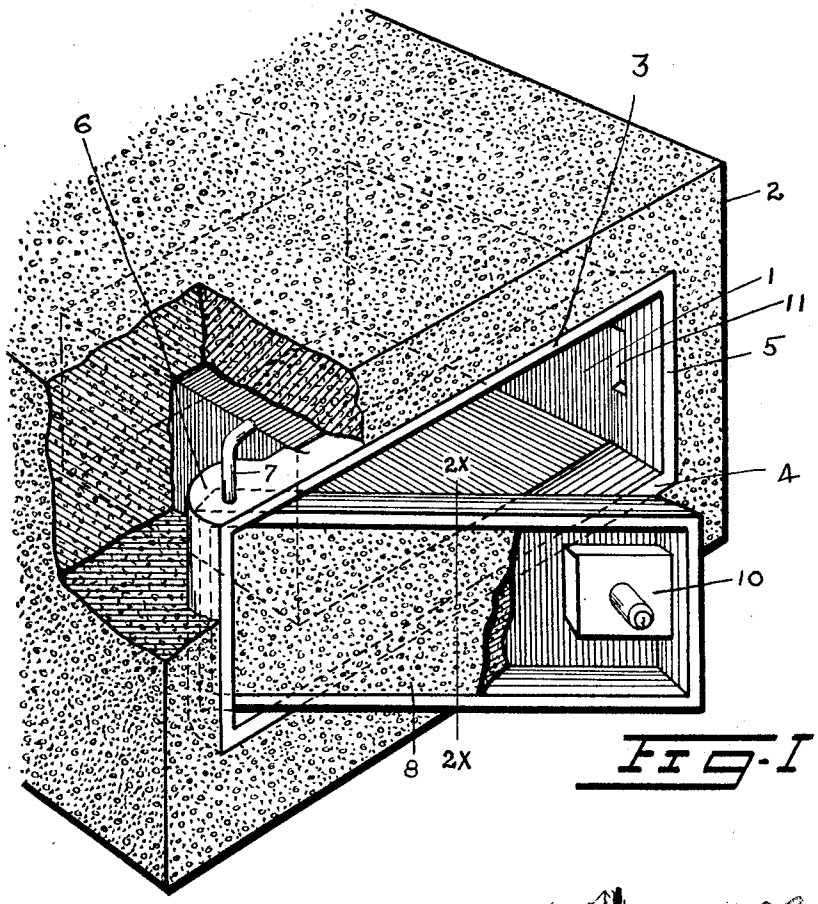


FIG. 1

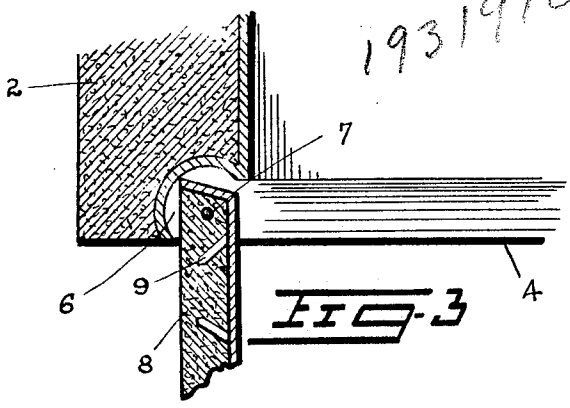


FIG. 3

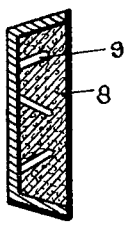


FIG. 2

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109. SAFES, BANK PROTECTION
AND RELATED DEVICES.

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UNITED STATES PATENT OFFICE.

CHARLES G. BENNET, OF ROCHESTER, NEW YORK.

FIREPROOF LOCK BOX.

1,421,150. Specification of Letters Patent. Patented June 27, 1922.

Application filed December 15, 1921. Serial No. 522,688.

To all whom it may concern:

Be it known that I, CHARLES G. BENNET, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Fireproof Lock Boxes, of which the following is a specification.

The object of this invention is to provide a new and improved type of lock box for use in dwelling houses or any other place where it is desirable to have a compartment in which valuable papers etc. can be stored and protected against fire hazzard and protected against theft.

This and other objects of this invention will be fully illustrated in the drawing, described in the specification and pointed out in the claims at the end thereof.

In the accompanying drawing:

Figure 1 is a perspective view of the lock box as it appears when cast into a concrete block.

Figure 2 is a vertical sectional view of the door of the lock box, the section being taken on the line $2^{\times}$—$2^{\times}$ of Figure 1.

Figure 3 is a horizontal sectional view of the corner of the lock box and the concrete block into which it is cast.

In the several figures of the drawing like reference numerals indicate like parts.

Lock boxes are made for a variety of purposes and my present invention relates to boxes which are designed to protect the contents thereof from fire and to a considerable extent from theft. It is made in a manner that permits the installment thereof in the ordinary dwelling houses as well as business places in such a way that fire will not destroy the contents thereof.

The lock box is preferably made of metal of such size and shape that a concrete building block such as is regularly used in building the foundations of a house, can be moulded around it forming an integral part of the sides and back thereof. This block with the box contained therein is placed in the wall of the house preferably the foundation wall.

For this purpose the box body 1 is provided, which is of cast iron cast in a single piece. A concrete block 2 is moulded around this box body. This may be done in any suitable manner as practiced in the art of concrete block making with the only requirement that the open end of the box be located on the face of the finished block. The box proper is rectangular in outline and has the outwardly flaring flanges 3, 4 and 5 at the top and bottom and the right hand end respectively formed at the open end thereof. The left hand end of the upper and lower flanges 3 and 4 extends to the left of the box body and forms the top and bottom of the semi-cylindrical vertical pocket 6. A pin 7 passes through the pocket 6 and extends below and above the box into the concrete in which it is suitably anchored. This pin forms a rigid pivot on which the cover 8 of the box is mounted to swing. The cover is pivoted in the box before the concrete block is moulded around it.

The cover 8 is made up of a rectangular shell of which the sides and ends flare out corresponding to the outwardly flaring flanges of the box body proper. The shell is cast in one piece of cast iron. After the mould therefor has been formed a suitable number of nails are inserted therein so that when the iron is poured it will flow around these nails and freeze them in place with their heads at the back of the door and their shanks extending through the door and into the open space in the door. These outwardly projecting nail shanks 9, 9 are used for the purpose of retaining the concrete filler for the box cover as will hereinafter be described.

The top and the bottom of the left hand end of the cover is perforated for the pivot pin 7 to pass therethrough. The cover is thus mounted to swing in the cylindrical pocket 6, the curved wall of the pocket always forming a closed joint between it and the end of the cover. The cover is pivoted in the box before the concrete block is moulded around it.

At the right hand end of the cover 8 on the inside is mounted the lock 10 having a suitable bolt.

The bolt of the lock passes through the shell of the cover at the right hand end thereof and is adapted to engage into the slot 11 provided in the end flange 5 of the box when the cover is swung between the flanges of the box. After the cover is mounted in the box and the pivot pin 7 is in place the box is placed in a mould suitable for making a concrete block and around the box. When this concrete has set the iron box is integral with the concrete block. The

cover of the box is then filled with concrete. The pins cast into the cover and projecting out therefrom are bent in an irregular manner and serves to anchor the concrete into the shell and will thus prevent the concrete from falling out after it has set therein and forms a part thereof.

The flare of the flanges formed at the open end of the box body and that of the sides and ends of the cover is made so that the cover will nest snugly into the open end of the box and will tightly close the box and will prevent heat from penetrating the box. A box of absolute fire proof quality is thus secured which can be built into any convenient place in the wall of the house with the assurance that papers stored therein are immune from the fire hazard and are safe from theft when the cover of the box is locked in place.

I claim:

1. In a lock box, the combination of a box body open on the front thereof, outwardly flaring flanges formed at the top and bottom and on one side at the open front of said body box, a pocket formed on the other side of the front of said box body and projecting laterally thereof, said box body being adapted to be cast into a concrete block with its open front located on one side thereof.

2. In a lock box, the combination of a box body open on the front thereof, outwardly flaring flanges formed at the top and bottom and one side at the open front of said box body, a pocket formed on the other side of the front of said box body and projecting laterally thereof, said box body being adapted to be cast into a concrete block with its open front located on one side thereof, a door, a pivot pin mounted in said pocket, said door being hinged in said pivot pin in said pocket, said door being formed by a shell having outwardly flaring sides and ends, pins cast into the bottom of said shell, a lock mounted in said shell, concrete adapted to be poured into said shell around said pins and lock to cover said pins and lock and fill said shell, said pins being adapted to anchor the concrete into said shell after it has set therein, said lock being adapted to lock said door between the flaring flanges formed at the front of said box body.

3. In a lock box, the combination of a box body open on the front thereof, outwardly flaring flanges formed at the top and bottom and on one side at the open front of said box body, a pocket formed on the other side of the front of said box body and projecting laterally thereof, said box body being adapted to be cast into a concrete block with its open front located on one side thereof, a door mounted to close the front of said box, said door having a hinge pin at one end thereof passing midway between the front and back of said door and located centrally of said pocket.

In testimony whereof I affix my signature.

CHARLES G. BENNET.