

F. A. REINEKE,
BANK VAULT.
APPLICATION FILED JUNE 1, 1920.

1,367,501.

Patented Feb. 1, 1921.
2 SHEETS—SHEET 1.

Fig. 1.

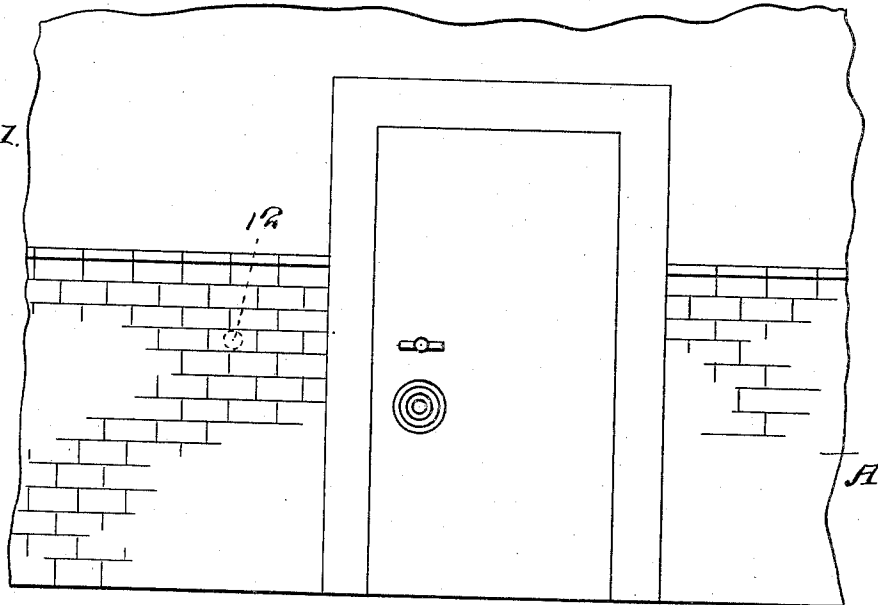
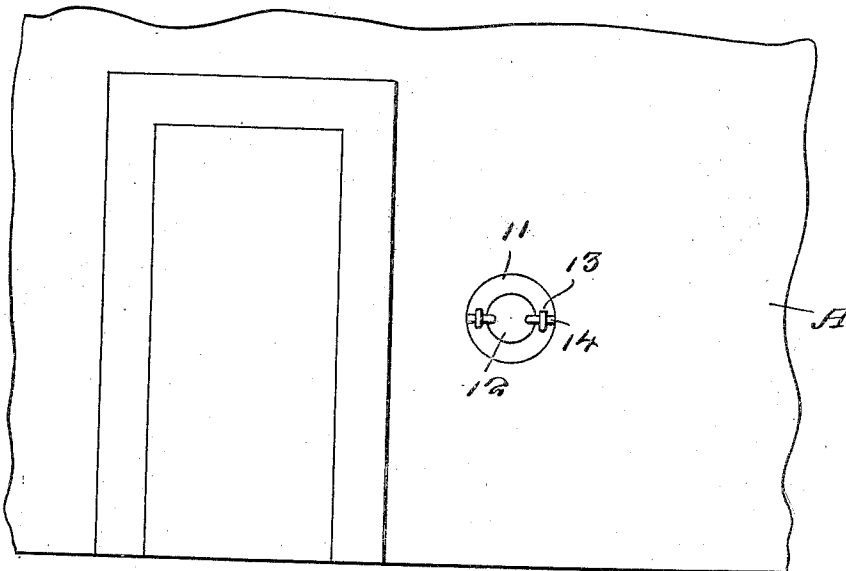


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3.

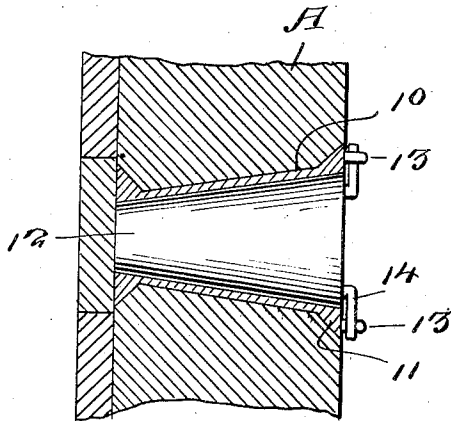


Fig. 4.

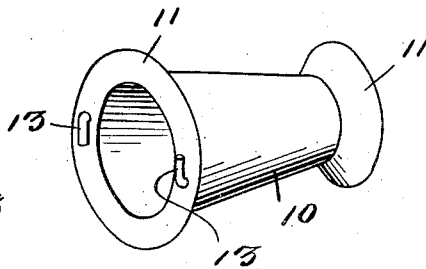


Fig. 6.

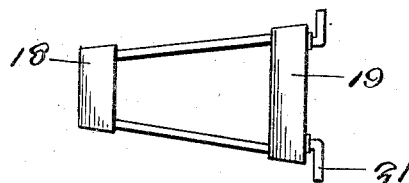


Fig. 5.

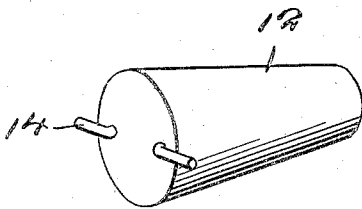
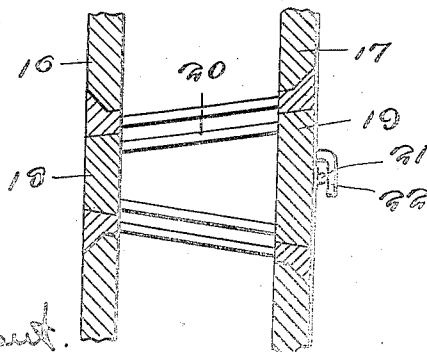


Fig. 7.



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BANK-VAULT.

1,367,501.

Specification of Letters Patent.

Patented Feb. 1, 1921.

Application filed June 1, 1920. Serial No. 385,711.

To all whom it may concern:

Be it known that I, FRED A. REINEKE, a citizen of the United States of America, residing at Sheridan, in the county of Sheridan and State of Wyoming, have invented new and useful Improvements in Bank-Vaults, of which the following is a specification.

This invention relates to bank vaults, and comprehends the provision of a device adapted to be embedded in one wall of the vault, for use as a ventilator, and to also provide a sight opening for the occupant of the vault, should one of the employees of the bank be locked in the vault by persons attempting to rob the bank, the opening in the wall provided by the device being of sufficient size to allow the occupant to shoot through the opening at the robbers, in which instance the wall of the vault protects the occupant from shots fired by the robbers.

The nature and advantages of the invention will be better understood when the following detailed description is taken in connection with the accompanying drawing, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawings forming part of this application, like numerals of reference indicate similar parts in the several views and wherein:—

Figure 1 is a side view of a vault showing the invention associated therewith, and the outer covering of the wall removed.

Fig. 2 is a view looking from the inside of the vault.

Fig. 3 is a horizontal sectional view taken through the wall of the vault and the device forming the subject matter of the invention.

Fig. 4 is a detail view of the sleeve removed from the wall of the vault.

Fig. 5 is a similar view of the removable plug.

Fig. 6 is a detail view of a modified form of the invention.

Fig. 7 is a horizontal sectional view through the wall of the vault showing the modification associated therewith.

Referring to the drawings in detail A indicates generally a bank vault in the wall of which is embedded a sleeve 10, the latter being preferably of conical shape formation and of a length equal to the thickness of the wall so that when the sleeve is embedded in the wall the small end of the sleeve will lie

substantially flush with the outer side of the wall and the larger end of the sleeve terminates flush and substantially so with the inner side of the wall. Surrounding the opposed ends of the sleeve are collars 11 which are tapered to provide sharp edges adapted to be embedded in the wall to hold the sleeve movably positioned therein. The sleeve is adapted to receive the removable plug of corresponding configuration, the plug being indicated at 12 as clearly shown in Fig. 5. The plug is equal in length to the length of the sleeve so that the ends of the plug lie substantially flush with the opposed ends of the sleeve as shown. Projecting from the collar 11 surrounding the inner end of the sleeve, are diametrically opposed keepers 13 which receive notched elements 14 carried by the inner end of the plug, so that subsequent to the insertion of the plug within the sleeve, the plug is turned to position the latch elements within the keepers thereby holding the plug against the casual separation of the sleeve. The outer covering of the wall of the vault, whether it be plaster, paper or the like, covers the corresponding ends of both the sleeve and plug, so that the device cannot be viewed from the outside of the vault. However, should one of the employees of the bank be locked in the vault, by persons attempting to rob the bank, the occupant of the vault would need only to move the plug from the sleeve, and then puncture the outer covering of the wall, thus providing a ventilating opening through the wall as will be readily understood. For the purpose of ventilation, any number of these devices could be used in one wall of the vault or in the respective walls of the vault, but one of the devices is so positioned that when the outer covering is punctured, it provides a sight opening through which the cash drawer of the paying teller can be viewed. The opening will be of such size to permit the use of a pistol, so that the occupant of the vault can shoot through the opening at the robbers, while the walls of the vault serve to protect the occupant thereof against the shot fired by the robbers.

In Figs. 6 and 7 I have illustrated a modified form of the invention, which is used in connection with walls having air spaces therebetween, and in which form of the invention I eliminate the use of the sleeve above mentioned. The spaced walls 16 and 17 re-

spectively are provided with alined openings, preferably of rectangular outline, to accommodate a plug of the construction shown in Fig. 6. This plug embodies spaced
5 plates 18 and 19 respectively of a configuration similar to the shape of the openings in the walls, the plate for the opening of the outer wall being considerably smaller than the plate for the inner wall. These plates
10 are connected by a plurality of spaced parallel rods 20 which provides for the space between the walls for the circulation of air. The inner plate of the plug is provided with
15 pivoted latch elements 21 which are adapted to be received by keepers 22 secured to the inside of the vault. This form of the invention is adapted for the same use as the preferred form, and can be readily removed from the wall by releasing the latch elements
20 from their keepers as will be readily understood.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I
25 desire to have it understood that I do not limit myself to the details herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What I claim is:—

1. A wall construction having a bored hole
therein of conical shape with the small end
of the hole on the outside and the large end
on the inside, the opposed sides of said wall
being countersunk about said bored hole, a
35 conical shaped member fitted within said hole and terminating flush with the opposed sides thereof, collars carried by the ends of said member and received within the
countersunk portions of the wall, and a plug
40 removably positioned within said member for the purpose specified.

2. A wall construction having a bored hole
therein of conical shape with the small end
of the hole outside and the large end inside,
45 a conical shaped member positioned within the hole and having enlargements embedded in the wall about said hole, a plug rotatably
and removably fitted within said conical
member and extensive in length with the lat-
50 ter, keepers carried by the inner end of said member, locking elements carried by said plug to be received by said keepers when said
plug is rotated whereby the latter is held po-
sitioned within the member.
55

In testimony whereof I affix my signature.

FRED A. REINEKE.