

W. Maurer,

Safe Bolt.

N^o 19,940.

Patented Apr. 13, 1858.

Fig. 2.

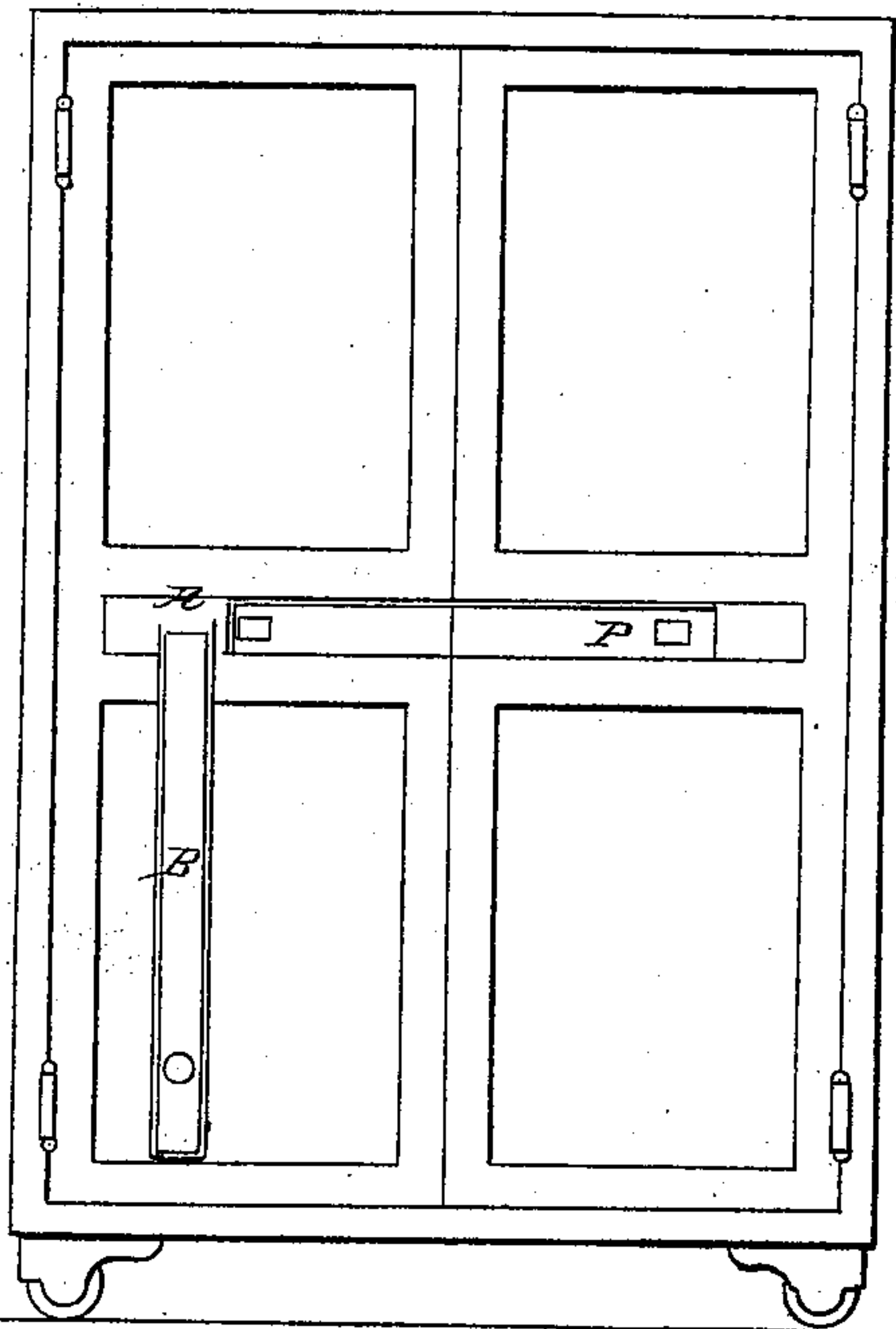
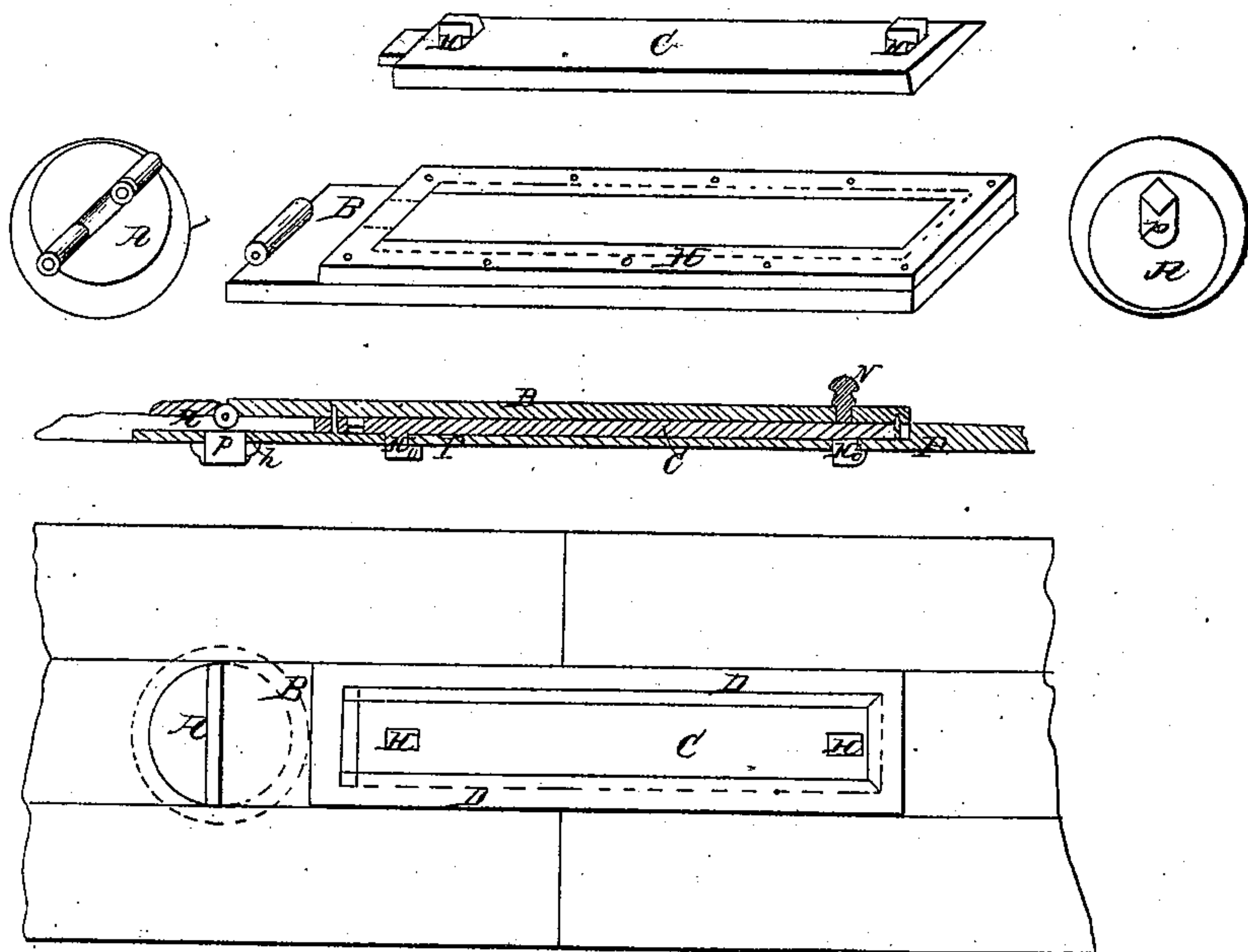
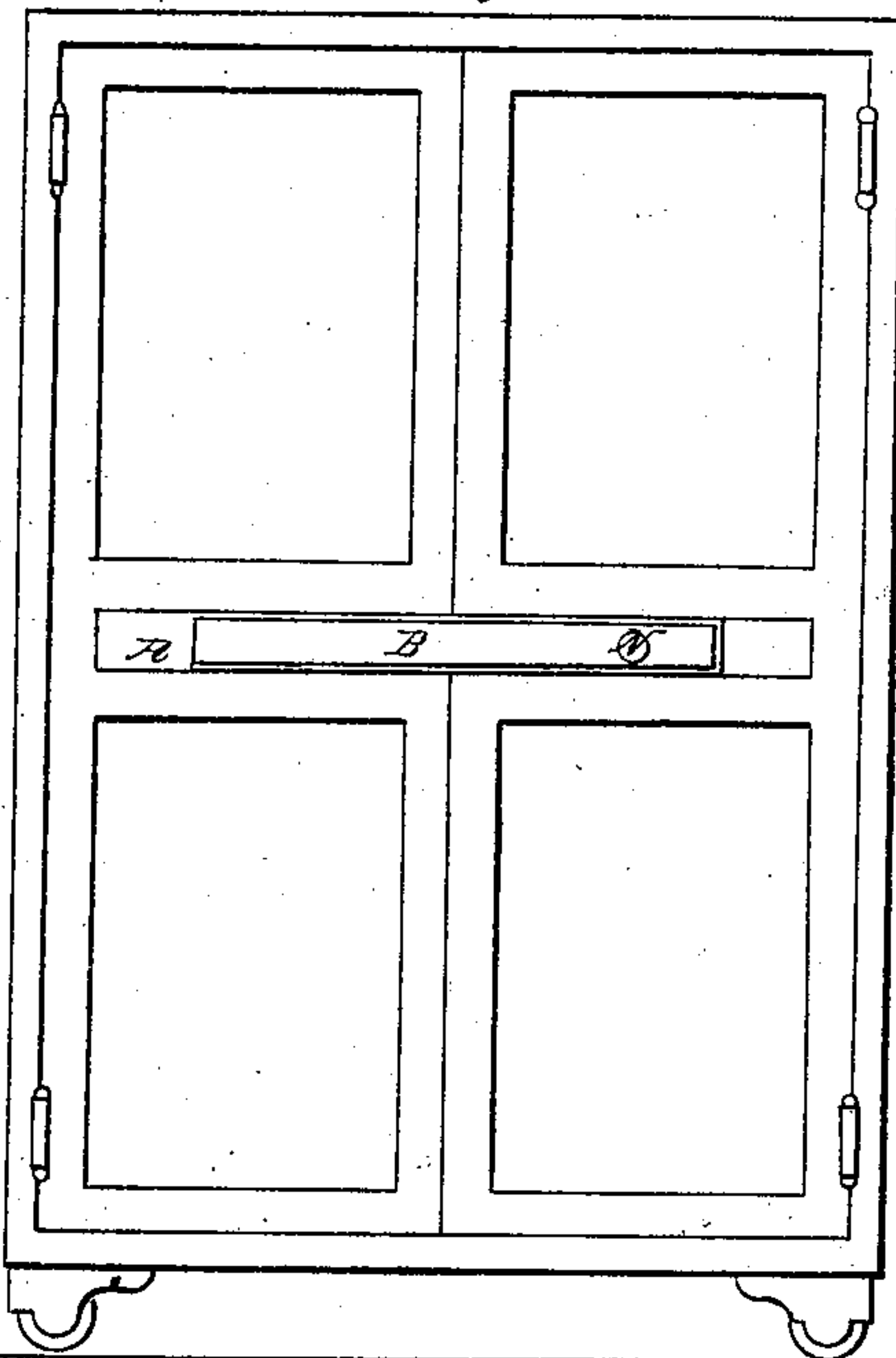


Fig. 1.



UNITED STATES PATENT OFFICE.

WILLIAM MAURER, OF NEW YORK, N. Y.

BAR FOR SECURING BANK-VAULTS.

Specification of Letters Patent No. 19,940, dated April 13, 1858.

To all whom it may concern:

Be it known that I, WILLIAM MAURER, of New York, in the county and State of New York, have made certain new and useful
5 Improvements in Bars for Securing Doors of Bank-Vaults and Safes; and I hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings and to the
10 letters of reference marked thereon.

Figure I represents the front view of a safe secured by the bar. Fig. II shows the bar removed, ready for opening the safe. The other figures are different views of the
15 bar, showing the construction of the same.

The nature of my invention consists in the arrangement of a revolving hinge plate, turning around its axis, so as to bring the bar, after the same has been unhooked, clear
20 of the door, requiring only a very small motion of the hinge, whereby the latter can be partly covered up, to protect the same as much as possible against burglars.

A is a hinge plate dovetailed into the side
25 frame of the safe or of a vault-door, provided with a pin, *p*, passing through the frame, to be riveted on the inside over a head, *h*. One part of the hinge is provided on this plate, while the other part is fast on
30 the bar, B.

C, is a sliding piece moving in suitable grooves D on the inner side of the bar, and which said grooves may be either cast, or forged on said bar, or may be securely
35 riveted on to the same. This sliding piece C is provided with two or more hooks H made with projecting noses, *o*, to take hold of the inner plate, P, of the safe, so as to lock thereby said bar firmly to the door,
40 when the sliding piece C is moved forward. A knob, N, is attached to this sliding piece, passing through the bar, B, to move this sliding piece backward and forward, or the mechanisms of the lock may be so arranged
45 as to operate one or more of said hooks H, pushing said hook, and consequently the sliding piece C together with all the other hooks, backward when the door requires to be opened, and allowing then the bar, C, to
50 be turned away, or pulling the hooks for-

ward when the door is to be locked, so as to bring the noses, *o*, of the hooks H behind the inner plate P and solid part of the safe or door and holding them in that position thereby not only giving a greater security 55 to the safe or door but at the same time strengthening the door.

When the bar B requires to be taken away, when the door is opened, the same requires to turn only so far on its hinge that 60 the end of the last hook can pass the outer surface of the frame or door, when the hinge plate A is turned around, so as to bring the bar clear of the door, in any desirable position. By this arrangement can 65 the bar, in connection with its sliding piece and hooks, not only be made to take hold of both doors, in case of a double door, being used on a safe or vault, but can be applied very near the outer edge of a safe 70 without offering any obstruction, or requiring much space as is the case when the same must be turned quite over on its hinge, for the purpose of opening the door.

I do not claim the attachment of hooks to 75 a sliding piece or bar broadly, as this has been proposed before, but

I claim—

1. Attaching on the inner side of a movable cross bar, by which vaults or safe doors 80 are secured and strengthened, a sliding piece provided with hooks, and so arranged, that said sliding piece may be operated after the bar is in its place, for the purpose of firmly connecting by means of said hooks, the bar 85 with the door and the doorframe, or with both doors, where double doors are used, in the manner as described.

2. I do not claim the mode of hinging a bar to the door or doorframe generally, but 90 what I claim is the arrangement and use of a revolving hinge plate, to which the bar for securing and strengthening doors is attached, constructed in the manner and for the purpose specified.

WILLIAM MAURER.

Witnesses:

J. G. REED,

HENRY E. ROEDER.