

(No Model.)

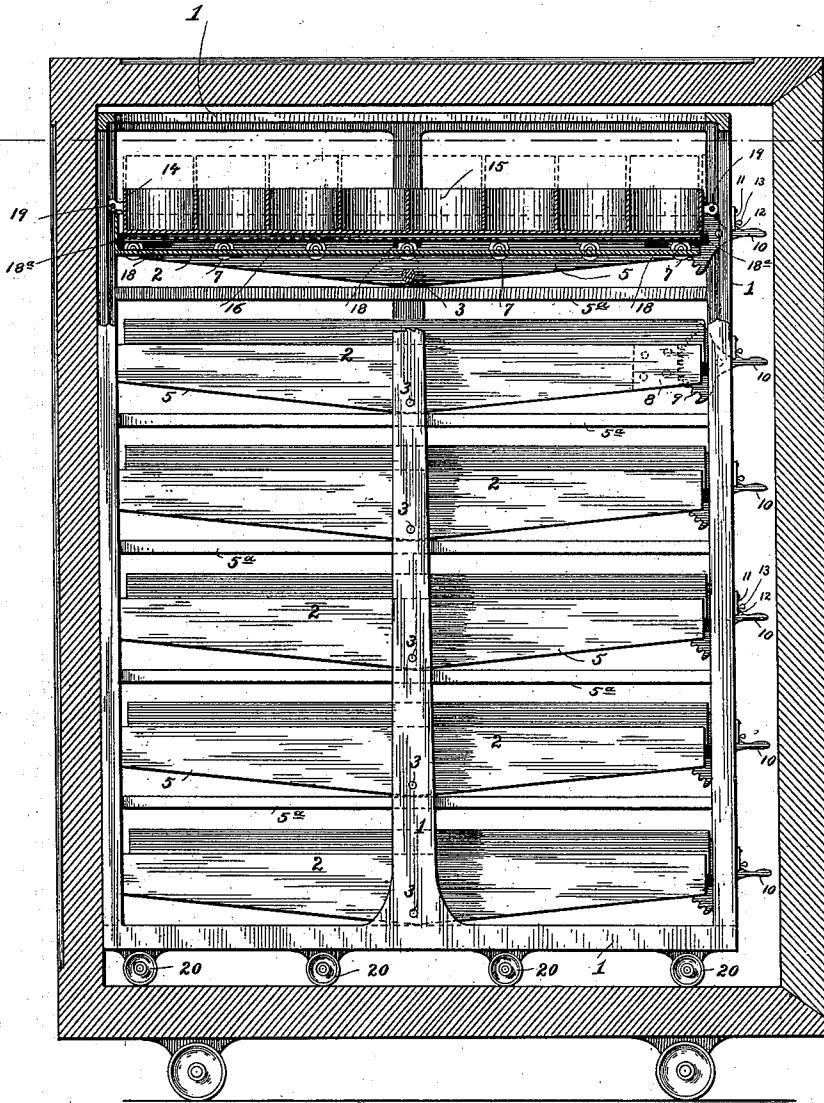
2 Sheets—Sheet 1.

M. SIERSDORFER.  
SAFE OR VAULT.

No. 400,499.

Patented Apr. 2, 1889.

Fig. 1.



Witnesses.  
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Fig. 2.

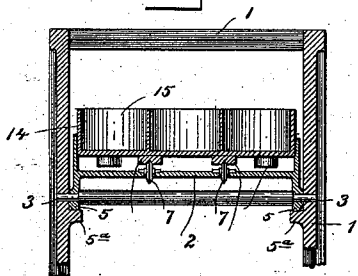


Fig. 5.

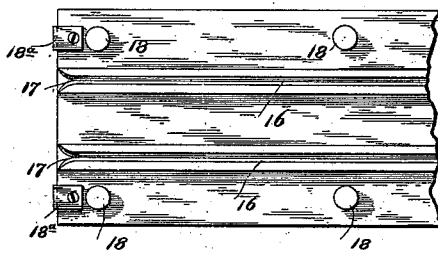


Fig. 3.

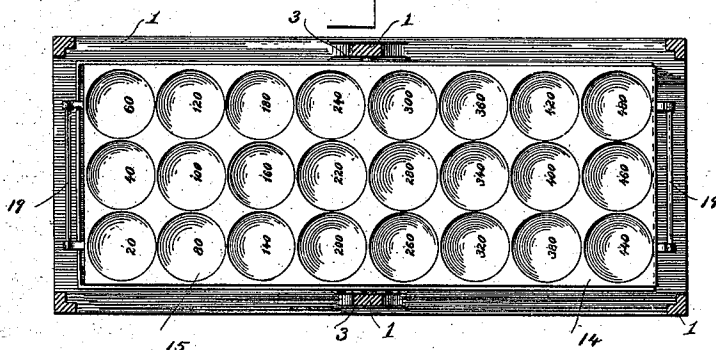
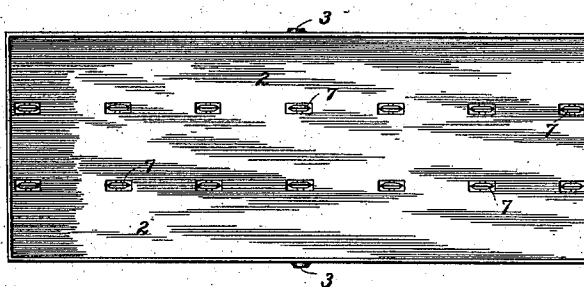


Fig. 4.



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# UNITED STATES PATENT OFFICE.

MICHAEL SIERSDORFER, OF LOUISVILLE, KENTUCKY.

## SAFE OR VAULT.

SPECIFICATION forming part of Letters Patent No. 400,499, dated April 2, 1889.

Application filed August 4, 1888. Serial No. 281,980. (No model.)

*To all whom it may concern:*

Be it known that I, MICHAEL SIERSDORFER, a citizen of the United States, residing at Louisville, county of Jefferson, and State of Kentucky, have invented certain new and useful Improvements in Safes or Vaults, of which the following is a specification.

My invention relates to an apparatus so constructed as that it may be placed inside of an ordinary vacated safe, vault, or closet, or in a specially-constructed safe or vault; and it consists of a frame-work provided with a series of shelves or compartments in which are placed a corresponding number of removable drawers. These drawers are for the purpose of holding money, and more especially metallic money, and are provided with tracks which travel on anti-friction rollers arranged in the shelves or compartments aforesaid, the parts being so constructed as that the money or coin containing drawers can be removed for the purpose of withdrawing or replacing money at any time.

The main object of this invention is to provide a convenient receptacle for the storage or safe-keeping of gold and silver coins, currency, bonds, and other securities or papers, but more especially for metallic coins.

The permanent shelves before referred to are centrally pivoted in the frame-work of the apparatus so as to have a slight upward and downward swinging motion at both ends, and the removable trays are arranged to slide in the permanent or pivoted shelves, as above described, the pivoted shelves being provided with levers for controlling their position vertically. By this means the removable trays can be made to travel inwardly or outwardly, according to the tip of the pivoted shelves, and can be suitably locked in position, as hereinafter described. By this method coins of various denominations can be placed in the trays and laid in the shelves, so that the cashier can see at a glance how much money is in the safe, and at the same time can handle it easily and rapidly.

The apparatus is fully described in the following specification, and illustrated in the accompanying drawings, in which—

Figure 1 is a sectional view of a safe or vault, showing my invention in elevation and

partially in section. Fig. 2 is a transverse sectional view of one of the shelves and part of the frame-work. Fig. 3 is a plan view of shelves with frame-work in section. Fig. 4 is a plan view of the pivoted or tilting shelf. Fig. 5 is an inverted plan of one of the coin-receptacles or removable trays.

My invention consists of a frame-work or case, 1, on which are mounted a series of shelves, 2, pivoted at points 3. These shelves are constructed as shown in Figs. 1, 2, and 3 of the drawings, having both sides and one end closed on the upper side.

Triangular sides or wings 5, projecting downwardly from the shelf 2, seat or rest upon the bars 5<sup>a</sup> of the frame-work 1, for the purpose hereinafter stated. Pivoted in the floor of the said tilting shelf 2 are a number of small wheels 7, preferably beveled on the edge and projecting upwardly. The tilting and adjusting of this shelf 2 is accomplished by means of a toothed rack, 8, upon the outer end and at one side of the shelf 2, with which a segmental rack, 9, forming one end of a lever, 10, pivoted on the frame-work 1, engages. A pendent arm or finger, 11, prevents the tilting of the shelf 2 by engaging with a projection, 12, on the upper side of the lever 10. (See Fig. 1.) Said finger 11 may have a knob, so that it may be easily moved to one side by the thumb of the hand operating the lever. I do not confine myself to this form of tilting device, as any convenient form may be used.

A coin-receptacle, 14, consisting of a tray having on its upper surface a number of holes or compartments, 15, of a size to accommodate the coin for which it is intended, rests or moves upon the wheels 7 of the shelf 2, grooved ways 16 being formed on or attached to the bottom of the trays for that purpose. The ends 17 of these grooves are opened out to facilitate the entrance of the wheels. (See Fig. 5.)

Rubber or felt pads 18, projecting below the grooved ways, are provided to prevent scratching or bruising the counter or desk on which the coin-receptacle may be placed on removing it from the safe. Similar pads, 18<sup>a</sup>, are placed on the ends to prevent jar or concussion in sliding the tray into its place on the shelf. Handles 19 may be placed on

either or both ends, for convenience in handling.

The holes or compartments 15 may be numbered, as shown in Fig. 3, to enable the accountant to ascertain the exact amount contained in the tray at a glance.

The removable coin receptacle or tray, instead of being provided with compartments or divisions, as shown, may be perfectly smooth on its inner surface, the dividing-walls being dispensed with; or the walls shown in the drawings (see Fig. 2) need not extend up as high as shown, and may just be sufficiently high to indicate a dividing-line. I have shown them as somewhat extensive, in order to better illustrate the idea.

It will be seen that large amounts of coin may be quickly and accurately handled. For instance, a cashier in a large banking-house is seriously delayed by not having ready within reach the coin required. By this method a tray of silver dollars in rolls of 20, as shown, is at hand. To remove the tray he simply releases the lever 10 by moving the locking-finger 11 to one side. The tray then slides out by the depression of the forward end. In case the frame-work requires to be taken out wheels 20 may be provided on same.

In replacing the trays filled with money, &c., he raises the forward end of the tilting shelf 2 by means of the lever 10, and locks the lever 10 by means of the finger 11, and then lifts the tray containing the money onto the stationary tray, which causes it to slide down into its place of its own accord.

This invention is a great convenience for banks and counting-houses that weigh their silver, as the entire frame-work containing the trays filled with silver can be rolled out of the safe or vault onto a pair of scales and weighed, and deducting the weight of the frame-work and empty trays combined (which weight can be stamped on each safe) the net weight of silver will be the result.

This invention is also just as convenient for banks, &c., that do not count and wrap the coin in rolls, as the money can be placed in bulk in the removable trays just as well.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. A money or security receptacle consisting of one or more shelves, suitably secured and pivoted in a frame-work, in combination

with a corresponding number of removable trays, as and for the purposes set forth.

2. A safe or vault for money, securities, &c., which consists of a suitable frame-work having cross-bars, as shown, and permanent shelves pivoted in the frame just above the cross-bars and provided with triangular-shaped sides projecting downwardly, which are adapted to seat on the cross-bars, as described, in combination with removable money-trays, as set forth.

3. In a safe or vault for money, securities, &c., the combination of the frame-work, and the shelves pivoted therein and provided with anti-friction wheels or rollers, with a corresponding number of removable money-trays, provided with grooved ways for traveling on the rollers, as shown and described.

4. In a safe or vault for the storage of money, securities, &c., the combination of a suitable frame-work, one or more shelves pivotally secured within the frame, means for tilting the pivoted shelves and locking them in either position, and a series of money-trays corresponding in number to the shelves, as and for the purposes set forth.

5. A device for storing money, securities, &c., which consists of a frame-work, preferably open and mounted on wheels, and which may be inserted in any vacant safe, vault, or closet, in combination with pivoted or tilting shelves and removable trays, as and for the purposes set forth.

6. The combination of a suitable frame-work, pivoted or tilting shelves hung therein, and the removable trays for the reception of money, &c., and subdivided, as shown, for indicating the exact amount contained within any one tray.

7. In combination with the safe or vault, substantially as hereinbefore described, the coin-receiving tray made removable for the purposes set forth, and provided with rubber or other padding upon the end and bottom to prevent jarring or scratching.

8. The safe for storing money, securities, &c., and provided with the stationary shelves having a tilting movement within the said safe, for the purposes set forth.

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