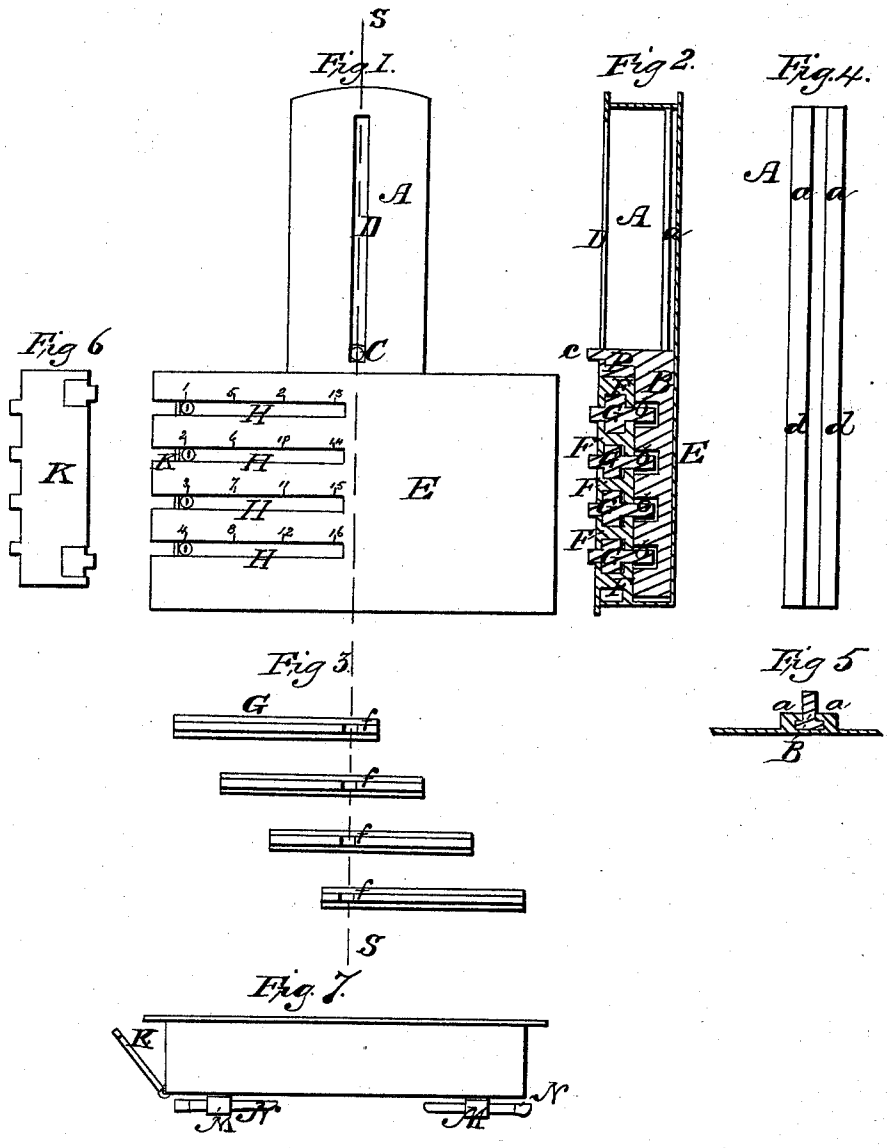
H. Basch,

Trunk Lock,

No. 68,685. Patented Sep. 10, 1867.



Attest:

Jas. R. Hayden

W. C. Dodge

Inventor:

Henry Basch.

AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS.)

United States Patent Office.

HENRY BASCH, OF CHICAGO, ILLINOIS.

Letters Patent No. 68,685, *dated September* 10, 1867.

IMPROVEMENT IN PERMUTATION TRUNK-LOCKS.

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, HENRY BASCH, of the city of Chicago, in the county of Cook, State of Illinois, have invented new and useful Improvements in "Locks;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents the front view of the lock.

Figure 2, a vertical cross-section of the same along the line S S.

Figure 3, the position of the bars.

The nature of my invention consists in a lock made of two parts, the lower part provided with notched horizontal bars sliding in grooves, and the upper part provided with a vertically sliding notched bar, and the whole being so arranged that when the horizontal bars are placed in a certain position the vertical bar can pass through their notches, and thus to open or to close the lock, as will be hereinafter fully explained.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

The upper part of the lock consists of a case, A, the back plate of which is provided on the inner side with slats *a a*, forming a T-shaped groove, in which bar B, of a T-shape, slides vertically, fitting said groove, and being provided with four notches, *b b*, a stop, P, and a knob, C, the last passing through and moving in the slot D cut in the face-plate of the case A. The lower part of the lock consists of a case, E, the back plate of which on its inner side is provided with slats *d d*, forming a T-shaped groove to correspond to the slats *a a* of the upper part of the lock. The face-plate of the case E on the inner side is provided with T-shaped horizontal rails F F, between which slide four horizontal bars G G, of a T-shape also, each provided with one notch, *f*, and a knob, *g'*, to pass through and move in one of the four horizontal slots H H cut in the face-plate of the case E. The left side plate K of the case E is hinged to the back plate of the same so that it may open or close, its projections *m* and the notches *n* corresponding to the slots H H, and the spaces between them. Each space between the slots H H and the space above the upper slot H has four marks, the same being numbered in the vertical order. The bars G G are numbered also, the numbers being placed on their knobbed ends. The notches *f f* of these bars are so disposed that when the knob of the bar N^1 placed in the upper slot H is put opposite N^1 of the plate, the knob of the bar N^2 placed in the second slot H is put opposite N^6 of the plate, the knob of the bar N^3 placed in the third slot H is put opposite N^{11} of the plate, and the knob of the bar N^4 placed in the lower slot H is put opposite N^{16} of the plate, all the notches *f f* come into line S S of the sliding-bar B, so that the bar may freely slide up or down through the notches *f f* of the bars G G, and thus open or close the lock. If it be desirable to change the places of the bars, and thus change the numbers of the plate for opening or closing the lock, then the knobs of the bars will be placed in different slots, but their places will correspond to the places indicated above. For instance, let the bar N^1 be placed in the lower slot H, and the bar N^4 in the upper slot H, then the knob of the upper bar shall be placed opposite N^{13} of the plate, the knobs of the two next bars shall be placed in the same positions as before, and the knob of the lower bar shall be placed opposite N^4 of the plate, and the lock will open or close. To make such changes conveniently the case E is provided with a hinged side plate, K, and the case, instead of being screwed to the trunk as the case A is, is simply secured to it by movable wedges N N passing through the loops M M secured to the outside of the back plate of the case E, so that the whole case E may easily be taken out of its place when the lock is open. The number of bars G G may be increased, if desirable. The lock is intended to be used on trunks, cases, boxes, &c., &c.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the grooved slats *a a* and *d d*, grooved rails F F, and hinged plate K, with sliding T-shaped notched bars B and G G, and slots D and H H, constructed as described, the whole arranged and operating substantially as and in the manner herein set forth and for the purpose specified.

HENRY BASCH.

Witnesses:

J. B. TURCHING,

JAS. R. HAYDEN.