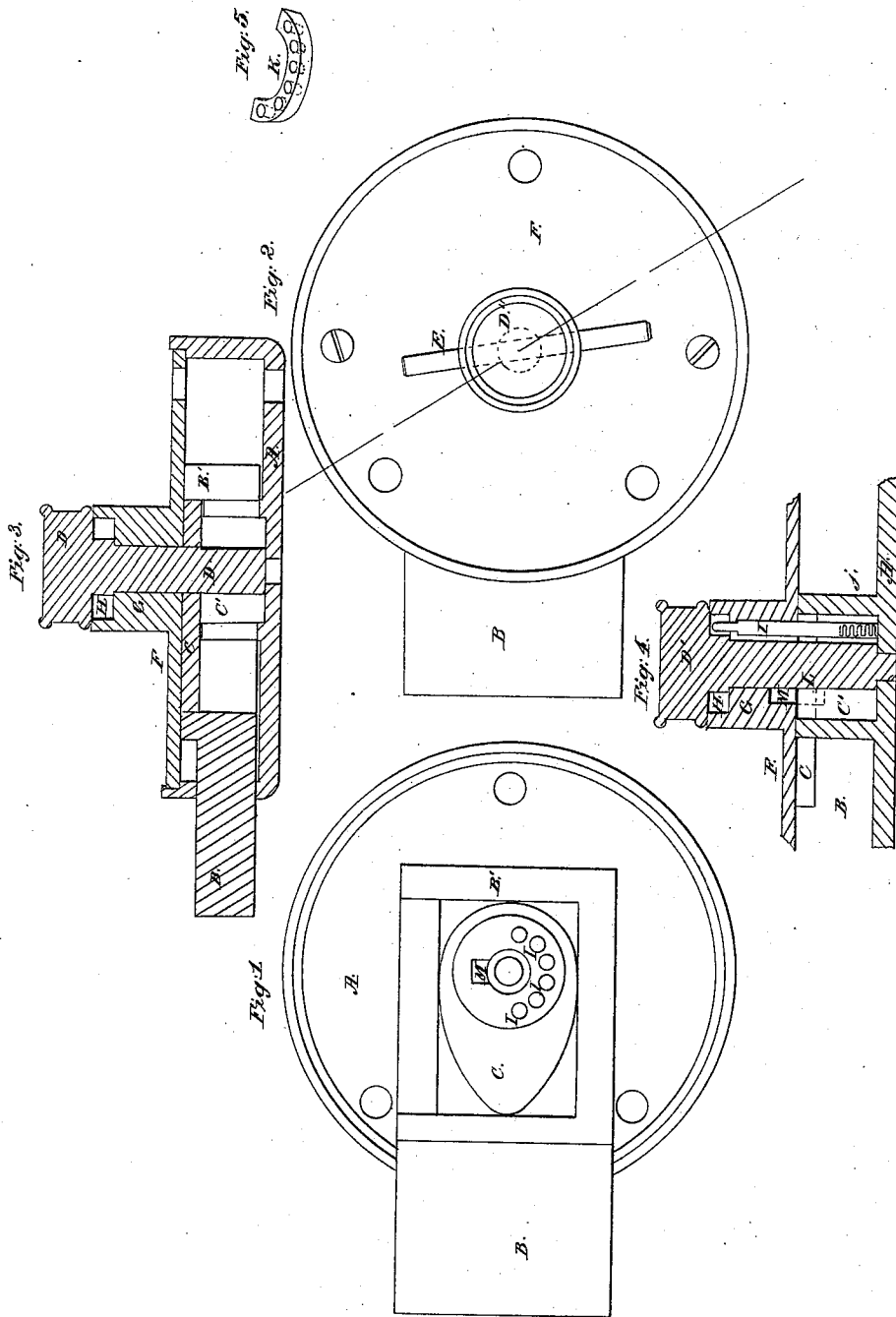


L. Yale,

Lock.

N^o 10,584.

Patented Feb. 28, 1854.



UNITED STATES PATENT OFFICE.

LINUS YALE, OF NEWPORT, NEW YORK.

BANK-LOCK.

Specification of Letters Patent No. 10,584, dated February 28, 1854.

To all whom it may concern:

Be it known that I, LINUS YALE, of Newport, in the county of Herkimer and State of New York, have invented a new and Improved Lock for Safes, &c.; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the drawings annexed and forming part of this specification.

10 A is the case in which is fitted to slide the bolt B being driven or moved by the cam C which is turned by the sliding shaft D having a large head D' and cross-pin E. The cover F has a projecting hub G with a

15 sunken chamber H in the face for the reception of the key K which may be completely covered and concealed by the large head D' of the shaft D when it is pushed back against the hub G. Opposed to this

20 hub on the cover is a similar hub C' on the cam C. The joint formed by the junction of the cover F and the cam C being close, is crossed by six jointed pins or stops I . . . driven by helical springs J. These

25 pins project into the key-chamber H sufficiently to be depressed by the key K. This key K is a semicircular piece of metal fitted to the chamber H, being crescent shaped to fit the shaft D and chamber wall. It is

30 pierced with holes corresponding in number and position with the stops I I . . . and to different depths corresponding to the different lengths of the pins so that when the key is pressed upon them their joints are

35 on the same plane with the joint between the cover and cam, and when so depressed of course no longer obstruct the movements of the cam.

The shaft D has a cog L for connecting it to the cam C while driven back, and holding it from revolving while drawn forward to open the chamber for the reception of the key. The cam C and cover F are each provided with a notch M for the reception of the said cog.

When the key is put into the chamber and the shaft driven back the stops are necessarily arranged to admit of the cam revolving at the same time the cog L is forced from the cover which prevented its revolving into the cam which by it is revolved thereby causing a movement of the bolt B by the cam striking the part B' of the bolt B.

It will be seen that while the shaft is drawn forward the cog L occupies the notch M in the cover F and prevents turning the shaft to get a pressure on the pins by which means alone they could be felt to a joint by a burglar or picklock.

Having thus described the nature of my invention, I do not claim, as new, the pins I I or the sliding shaft D or the covering the key chamber with the broad head D'; but

I do claim them as arranged in connection with the cog L which prevents their being adjusted and turned by a burglar without the proper key.

LINUS YALE.

Witnesses:

LINUS YALE, JR.,
JOHN H. WOOSTER.