No. 620,810. Patented Mar. 7, 1899.

W. H. TAYLOR.

FRONT FOR LOCKS.

(Application filed Nov. 30, 1898.)

(No Model.)

FIG. I.

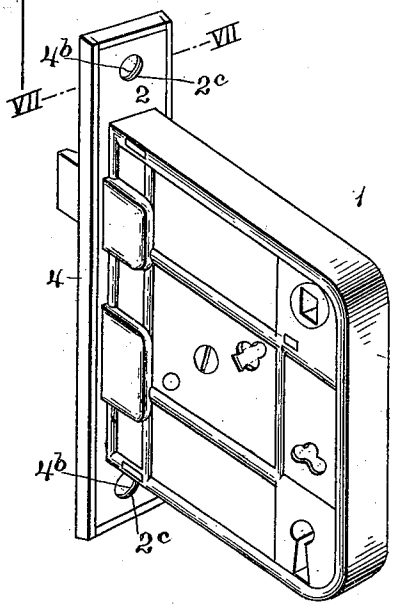


FIG. II.

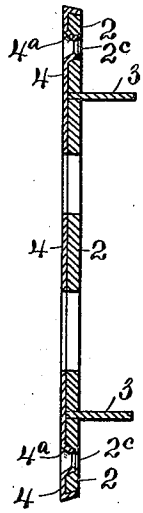


FIG. V.

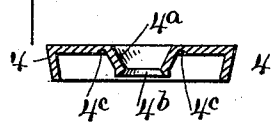


FIG. VI.

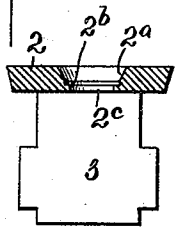


FIG. III.

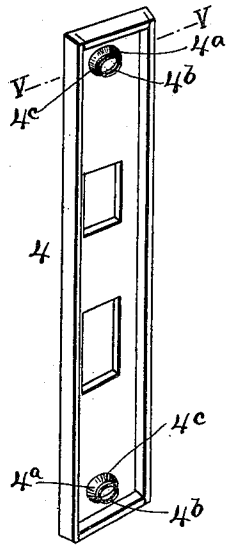


FIG. IV.

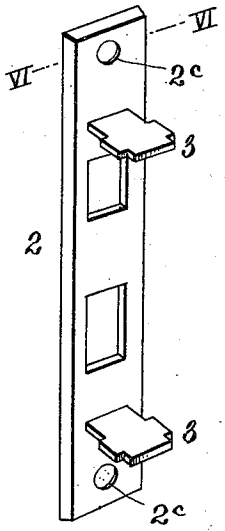
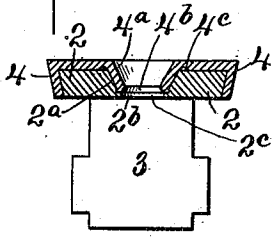


FIG. VII.



Witnesses.
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WARREN H. TAYLOR, OF STAMFORD, CONNECTICUT, ASSIGNOR TO THE YALE & TOWNE MANUFACTURING COMPANY, OF SAME PLACE.

FRONT FOR LOCKS.

SPECIFICATION forming part of Letters Patent No. 620,810, dated March 7, 1899.

Application filed November 30, 1898. Serial No. 697,911. (No model.)

To all whom it may concern:

Be it known that I, WARREN H. TAYLOR, a citizen of the United States, and a resident of Stamford, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Fronts for Locks, of which the following is a specification.

My invention relates to an improvement in the means employed for securing the cover-plate of the front to the face-plate of the case of the lock, and it relates more especially to that form of cover-plate which has inbent sides and ends lapping the sides and ends of the face-plate.

To this end my invention comprises a face-plate for a lock-case formed with a screw-hole having an inwardly-tapering thimble-seat, with an annular flange surrounding the inner end of the screw-hole and with an annular rabbet or recess located between the thimble-seat and the flange, and a cover-plate for the face-plate formed with an inwardly-projecting tapering thimble integral with the cover-plate, having an annular ring at its inner end, the thimble seating in the thimble-seat and its ring seating in the annular recess against the annular flange, as hereinafter described and claimed.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure I is a perspective view of my improved front for locks applied to a lock-case. Fig. II is a central vertical longitudinal section of the front. Fig. III is an inside perspective view of the cover-plate. Fig. IV is an inside perspective view of the face-plate, showing the fastening-plates. Fig. V is a transverse section, on a larger scale, of the cover-plate on the line V V of Fig. III. Fig. VI is a transverse section, on a larger scale, of the face-plate on the line VI VI, Fig. IV. Fig. VII is a transverse section, on a larger scale, of the cover-plate and face-plate on the line VII VII, Fig. I.

1 represents a lock-case, and 2 the usual wrought-metal face-plate provided with screw-holes. The face-plate is secured to the lock-case by the fastening-plates 3, which are riveted to the face-plate. Surrounding each of the screw-holes in the face-plate is an inwardly-tapering thimble-seat 2^a, an annular flange 2^b surrounding the inner end of the screw-hole, and inside of the flange is an annular rabbet or recess 2^c.

4 represents the cover-plate, which may be made of any suitable metal. It is shown applied to the face-plate and held thereon by having its sides and ends bent over the beveled sides and ends of the face-plate 2 in the usual manner, and the cover-plate and face-plate are fastened together in the novel manner described. Where the cover-plate extends over the screw-holes in the face-plate, it is punched inward to form inwardly-tapering thimbles 4^a, integral therewith. These thimbles are each formed with an annular ring 4^b at their inner end. The thimbles are forced into the thimble-seats, so that their bodies seat therein, while their rings fit in the annular rabbets or recesses against the annular flanges, so that the fastenings between the cover-plate and the face-plate are concealed.

4^c are the annular recesses surrounding the thimbles and formed by the die-plate when the thimbles are produced.

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

1. A front for locks comprising a face-plate formed with a screw-hole, with a thimble-seat surrounding the screw-hole and with an annular flange surrounding the inner end of the screw-hole, and a cover-plate formed integral with an inwardly-projecting thimble fitting in the thimble-seat of the face-plate and concealed by the annular flange at its inner end; substantially as described.

2. A front for locks comprising a face-plate formed with a screw-hole, with a thimble-seat surrounding the screw-hole, with an annular flange surrounding the inner end of the screw-hole and with an annular rabbet or recess on the inside of the flange, and a cover-plate formed integral with an inwardly-projecting thimble having an annular ring at its inner end; the thimble fitting in the thimble-seat and its ring seating in the annular rabbet or recess against the annular flange; substantially as described.

WARREN H. TAYLOR.

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