

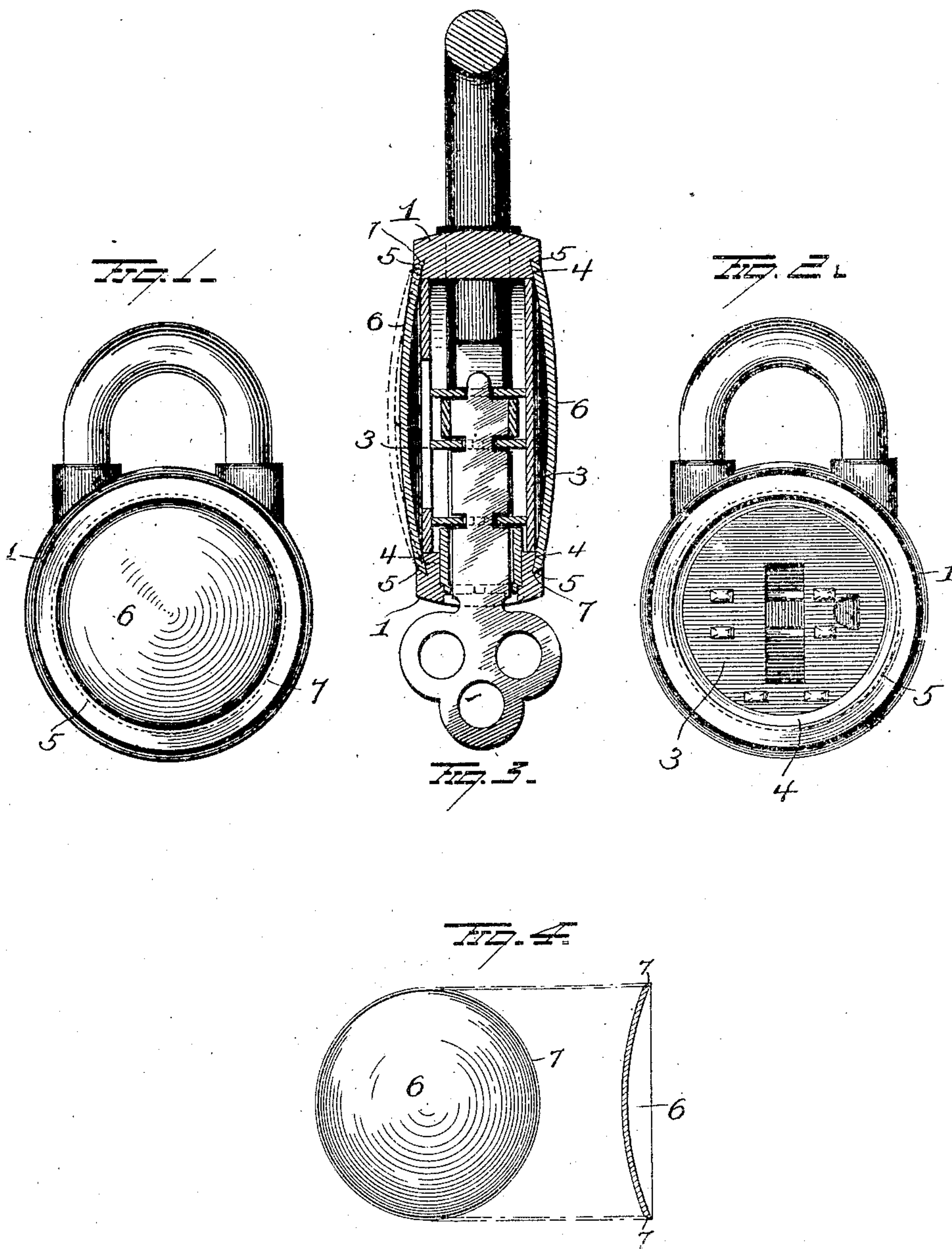
No. 879,694.

PATENTED FEB. 18, 1908.

H. R. TOWNE.

LOCK CASE.

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WITNESSES

E. J. Nottingham
G. J. Downing

INVENTOR

H. R. Towne
Cy. A. Seymour
Attorney

UNITED STATES PATENT OFFICE.

HENRY R. TOWNE, OF NEW YORK, N. Y., ASSIGNOR TO THE YALE & TOWNE MANUFACTURING COMPANY, OF STAMFORD, CONNECTICUT.

LOCK-CASE.

No. 879,694.

Specification of Letters Patent.

Patented Feb. 18, 1908.

Application filed April 8, 1907. Serial No. 367,005.

To all whom it may concern:

Be it known that I, HENRY R. TOWNE, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Lock-Cases; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in lock cases and the method of attaching a face plate or cover to the case and it consists broadly in providing the case carrying the operative parts of the lock, with an opening through which the operative parts may be inserted, the said opening being surrounded by an undercut or grooved shoulder adapted to receive the edge of a concavo-convex face plate or cover, and then spreading or flattening the face plate or cover so as to cause the outer edges of same to enter the undercut or groove in the shoulder and thus permanently lock the face plate or cover to the lock casing.

In the accompanying drawing, Figure 1 is a view in elevation of the lock. Fig. 2 is a view in elevation with one face plate removed. Fig. 3 is a view in section through the lock and Fig. 4 is a view of one of the face plates.

While I have for the purpose of convenience shown, and will describe my improvement in connection with padlocks, I would have it understood that it is adapted to any other type of lock the case of which has an opening for the insertion of the assembled operative parts of the lock, and a cover or face plate for closing said opening.

1 represents the lock case which in the present instance, is circular in form and is provided on its periphery with two openings for the passage of the shanks or ends of the sliding and rotating shackle. One member of this shackle of this particular lock, is adapted to enter one opening and when locked, rests with its free end therein, while the other member is engaged by the locking mechanism and is released and retracted or locked thereby.

The locking mechanism is carried by a frame 3 inserted within the cavity in the case 1, and the latter is provided with a seat 4 and undercut shoulder 5 extending around

all sides of the opening in the face of the casing. In the present instance the cavity in the lock case and the seat 4 and shoulder 5 are circular in form but I would have it understood that they may be oval, angular or any other shape desired.

The face plate or cover 6 is made slightly dish shaped and is of a size to snugly fit on the seat 4 with its beveled edge 7 resting under the undercut shoulder 5, and it may if desired be ribbed or corrugated for strengthening same.

After the operating parts of the lock have been properly located and secured within the case, the face plate or cover which is made of sheet metal, is placed in position on the seat 4 with its convex face out, and pressure is applied to the latter preferably at the center, which causes the face plate to spread or flatten out and thus become firmly and permanently locked to the case.

In the present instance, I have shown the lock with its two faces closed by such plates, but it is evident that one face may be cast or otherwise formed integral with the case, thus leaving one face only to be closed by my improved face plate.

Having fully described my invention what I claim as new and desire to secure by Letters-Patent, is:—

1. A lock comprising a casing having an opening in one face thereof, and an undercut shoulder surrounding said opening, and a face plate having its outer edge forced under said shoulder, whereby the plate becomes permanently fastened to the casing.

2. A lock comprising a casing, having a seat and undercut shoulder, and an expanded face plate resting on the seat with its outer edge under said undercut shoulder.

3. A lock comprising a casing having a circular opening in one face, and a continuous seat and shoulder around said opening, and an expanded plate conforming in shape to the shape of said opening, the said plate resting on the seat with its edge under said undercut shoulder.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

HENRY R. TOWNE.

Witnesses:

WM. H. CUDLIPP,
F. C. SQUIRES.