Dec. 15, 1953 S. V. ZAVOICO 2,662,385

LAMINATED LOCK BODY WITH NAME PLATE

Filed Oct. 22, 1952

Fig. 1.

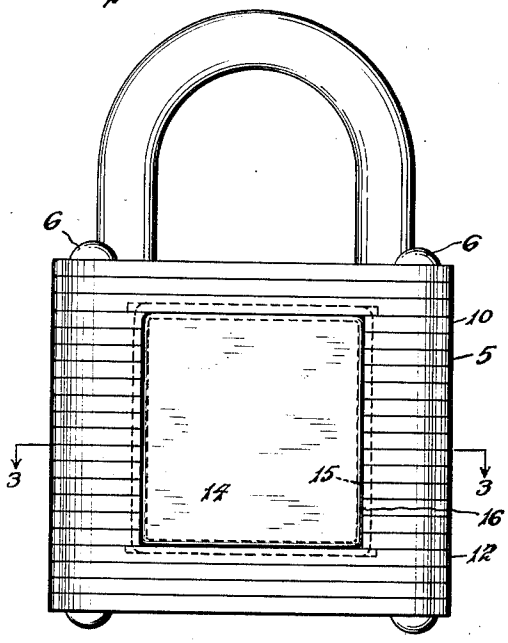


Fig. 2.

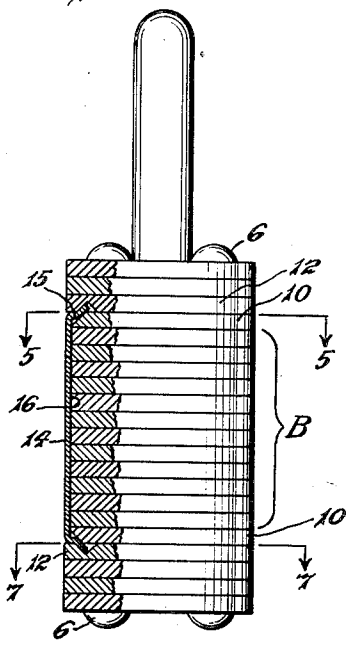


Fig. 3.

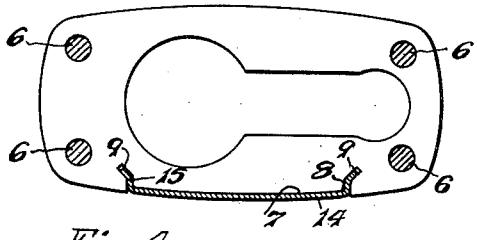


Fig. 4.

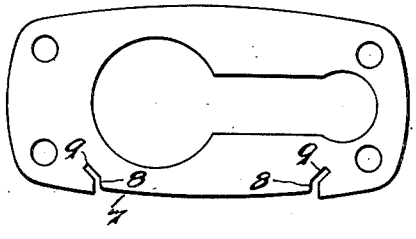


Fig. 5.

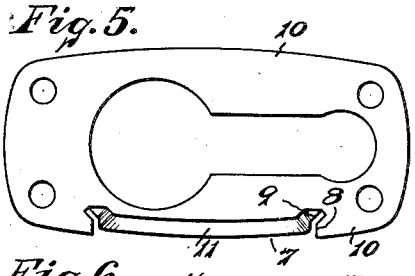


Fig. 6.



Fig. 7.

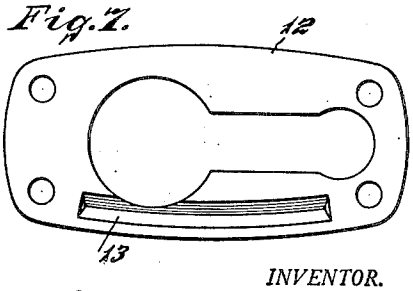
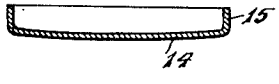


Fig. 8.



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LAMINATED LOCK BODY WITH NAME PLATE

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Application October 22, 1952, Serial No. 316,152

6 Claims. (Cl. 70—52)

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This invention relates to a laminated lock and more particularly to a novel construction for laminated padlocks of the class shown in the copending application of Norman J. Vile, Serial No. 273,000, filed February 23, 1952.

It is an object of this invention to provide novel means for securing a name plate or the like to the body of a laminated lock.

A further object is to provide means for securely attaching a name plate to the side of the lock body in an inexpensive manner and to enhance the appearance of the lock without unduly increasing the cost of its construction.

A still further object is to provide improved means for attaching a name plate which will prevent the name plate from being pried off the lock body by the insertion of a tool under the edges of the plate.

Further objects and advantages of this invention will be more clearly understood from the following description and the accompanying drawings in which:

Fig. 1 is a front view of a padlock embodying my invention.

Fig. 2 is a side view of said lock partly in central vertical section.

Fig. 3 is a sectional plan view on line 3—3 of Fig. 1 showing the name plate assembled to the lock body.

Fig. 4 is a plan view of the lamination shown in Fig. 3.

Fig. 5 is a plan view of the laminations on line 5—5 of Fig. 2.

Fig. 6 is an edge view of said laminations.

Fig. 7 is a plan view of the laminations located on line 7—7 of Fig. 2.

Fig. 8 is a sectional plan view of the name plate blank.

In the embodiment of my invention which is shown in the said drawings, the numeral 5 denotes the body of my improved padlock that is constructed of a series of laminations that are secured together by suitable rivets 6.

Those laminations of my improved lock which are contained between the points B in Fig. 2, and shown in Figs. 3 and 4, may be identical in shape. Each of these laminations is shaped to provide a notch 7, in the front edge thereof, and notches 8—8 which extend inwardly from the opposite sides of the notch 7 and diverge laterally as at 9—9.

The laminations 10—10 are oppositely bevelled along the edges of the said notches to provide deflecting surfaces 11 and the laminations 12—12 are each provided with a receiving groove 13.

The name plate forming a part of this invention is formed of a substantially soft bendable sheet metal and preferably comprises a plate portion 14 having a surrounding flange 15 which extends perpendicularly to the plate portion.

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When the laminations are juxtapositioned and secured together by the rivets 6 to form the body of the lock, a recess 16 will be provided in the face of the lock and the said recess will be surrounded by an inwardly extending groove having laterally deflected inner portions. In order to attach the name plate to the lock body, it is necessary only to place the said name plate in the recess and then force the plate against the bottom of the recess. This will cause the surrounding flange 15 to enter the groove which surrounds the said recess and then be deflected laterally thereby so as to firmly secure the said name plate to the body in such a manner that it cannot be easily detached therefrom.

I claim:

1. A laminated lock comprising a body formed of a series of juxtapositioned laminations secured together and each having a notch therein providing a recess in the side of said body and inwardly extending notches in said laminations providing a groove along the edges of said recess, and a name plate fitting within said recess and groove and being secured thereby to the body.

2. A laminated lock construction comprising a body formed of a series of juxtapositioned laminations secured together and each having a notch in an edge portion thereof forming a recess in the side of the body and inwardly extending notches adjacent the ends of the first-mentioned notch forming a groove surrounding the said recess, and a name plate fitting within said recess and groove and secured thereby to the body.

3. A lock construction comprising a body formed of a series of juxtapositioned laminations secured together, a group of said laminations being each provided with a recess forming notch in an edge portion thereof and groove forming notches adjacent the ends of said recess forming notch, other laminations having similar notches with one side of the edge portion along the said notches being bevelled to provide an inwardly deflecting surface, other laminations having a receiving groove, the said notches providing a recess in the face of the lock body having a surrounding groove with oppositely deflecting portions therein and a name plate fitting within said recess and groove and secured thereby to the said body.

4. A laminated lock comprising a body formed from a series of juxtapositioned laminations secured together and each shaped to provide

opposed grooves in said body having oppositely deflecting portions, and a name plate having flange portions fitting within said grooves and secured to said body by the deflecting portions of the grooves.

5. A laminated lock having a body constructed of a series of juxtapositioned laminations secured together, a group of said laminations each having a notch in an edge portion thereof for providing a recess in the lock body, inwardly extending notches in each of said laminations forming grooves in opposite sides of the recess, the said grooves having oppositely angled deflecting portions to provide securing portions adjacent the bottoms of the said inwardly extending grooves, a name plate having a plate portion fitting within the said recess, and flange portions on said name plate fitting within said inwardly extending grooves and deflected by the

securing portions thereof to secure said name plate to the lock body.

6. A laminated lock body formed of a series of laminations secured together, a group of adjacent laminations being identically formed in an edge portion thereof to provide oppositely angled grooves and a name plate having flange portions fitting within said grooves and secured thereby to the lock body.

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