J. T. & J. D. HART.

COMBINED LATCH AND LOCK FOR SCREEN DOORS, &c.

APPLICATION FILED FEB. 5, 1912.

1,036,100.

Patented Aug. 20, 1912.

FIG. 1.

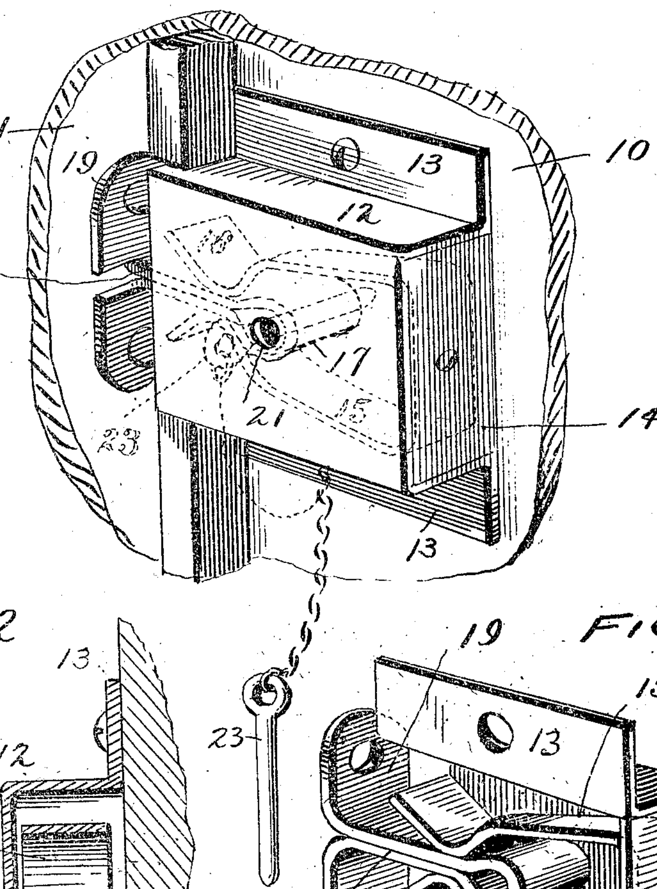


FIG. 2

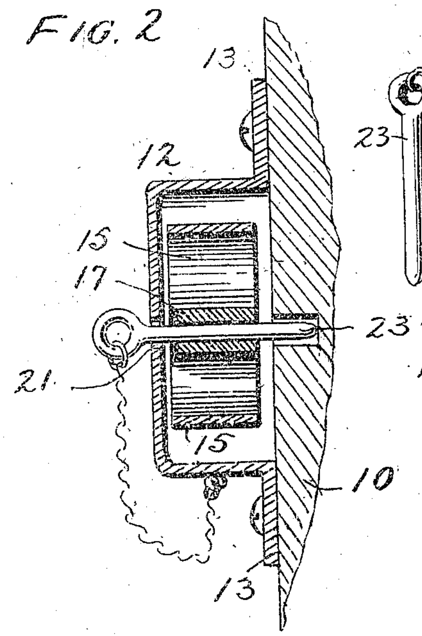
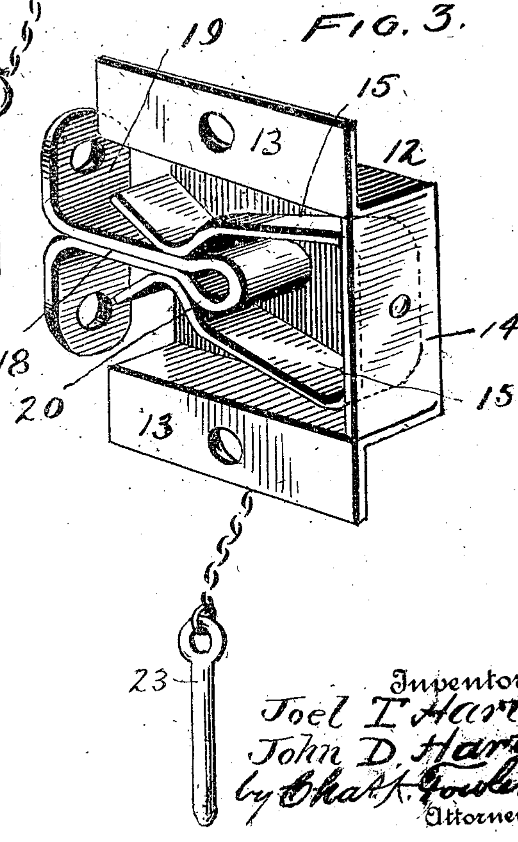


FIG. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

JOEL T. HART, OF SAN ANTONIO, TEXAS, AND JOHN D. HART, OF OAKLAND, CALIFORNIA.

COMBINED LATCH AND LOCK FOR SCREEN-DOORS, &c.

1,036,100. Specification of Letters Patent. **Patented Aug. 20, 1912.**

Application filed February 5, 1912. Serial No. 675,452.

To all whom it may concern:

Be it known that we, JOEL T. HART and JOHN D. HART, citizens of the United States, residing, respectively, at San Antonio and Oakland, in the counties of Bexar and Alameda and States of Texas and California, have invented certain new and useful Improvements in Combined Latches and Locks for Screen-Doors, &c., and do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

The object of our invention is to provide a simple and yet most efficient combined latch and lock device for screen doors and any other uses to which it may be adapted, and which, while efficiently serving its purpose of latch and lock, will act as a cushion on the closing of the door or other part.

In the accompanying drawing—Figure 1 is a perspective view illustrating an embodiment of our invention with the parts shown in locking relation; Fig. 2 a vertical section thereof; and Fig. 3 a detail view in perspective.

We illustrate our invention as applied for use in connection with a screen door, the invention comprising two members, one to be attached to the door jamb 10, and the other to the door 11. The member attached to the door jamb comprises a sheet metal casing 12, which may cheaply be made of sheet metal, which has top and bottom flanges 13 for the passage of screws to secure it to the jamb with its end toward the door open, and its opposite end closed by a wall 14. Within the casing, and riveted to the wall 14, is a pair of similar, but oppositely arranged spring jaws 15 whose free ends are toward the open end of the casing contiguous to which they are bent abruptly inward to form shoulders 16, from which shoulders they diverge outward, the outwardly diverging ends and the shoulders being adapted to coact with the head or enlargement 17 upon the shank 18 of the member 19, which is attached to the door 11. The head or enlargement 17 is cylindrical in form and is perforated transversely to constitute an eye 20, and the entire member is preferably made of a single piece of sheet metal bent into shape. It will be seen that when the door is closed the rounded head or enlargement will strike the outwardly flaring free ends of the spring jaws 15 and will pass between the same and interlock with the shoulders 16 thereon, and, of course, the spring jaws will act to cushion the door in its closing movement. In line with the eye in the head or enlargement 17 when it is not in jaw interlocking position, is a hole 21, in the outer wall of the casing 10, and a hole 22 in the door jamb through which alining holes and the eye a locking pin 23 may be inserted, and thus the door locked in a closed position, should it be desired so to do.

Having thus described our invention what we claim is—

The combination of a casing, a pair of shouldered spring jaws therein having outwardly diverging free ends, a coacting member comprising a shank having an enlargement or head, said enlargement or head having an eye, and the casing having a hole and a pin to coact with said hole and said eye.

In testimony whereof we affix our signatures in presence of two witnesses.

JOEL T. HART.
JOHN D. HART.

Witnesses for Joel T. Hart:
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