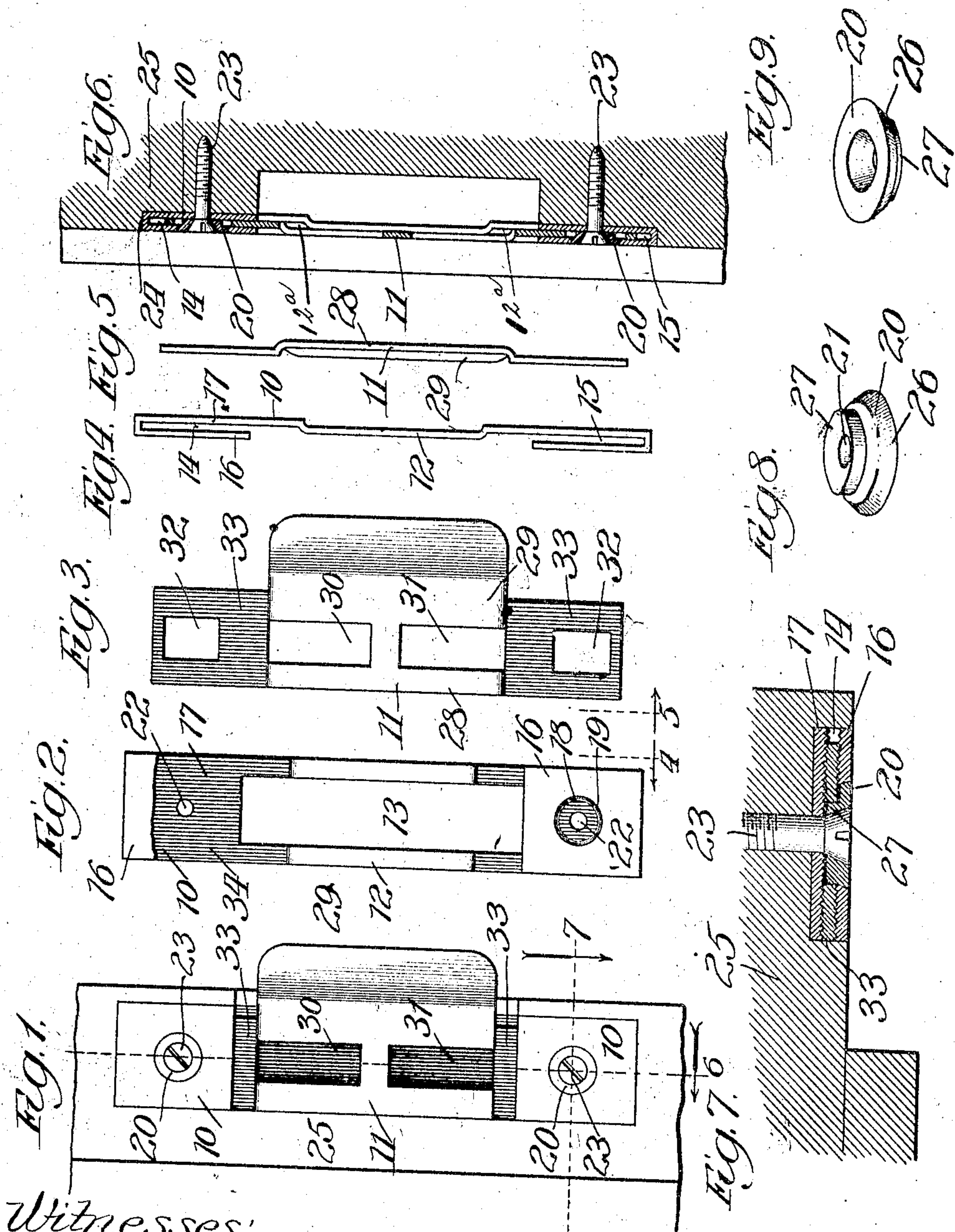


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PATENTED APR. 21, 1908.

J. CHRISTY.
KEEPER FOR LOCK BOLTS.
APPLICATION FILED APR. 15, 1907.



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UNITED STATES PATENT OFFICE.

JAMES CHRISTY, OF CHICAGO, ILLINOIS.

KEEPER FOR LOCK-BOLTS.

No. 885,320.

Specification of Letters Patent.

Patented April 21, 1908.

Application filed April 15, 1907. Serial No. 368,420.

To all whom it may concern:

Be it known that I, JAMES CHRISTY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Keepers for Lock-Bolts, of which the following is a specification.

My invention relates to an improvement on the construction of keeper for door-locks of the variety forming the subject of my pending application for Letters Patent, Serial Number 354,923, filed January 30, 1907.

My primary object is to improve upon the means set forth in said pending application, for releasably securing the relatively adjustable members together in adjusted position.

Referring to the accompanying drawing—Figure 1 is a broken face view of a door-jamb provided with my improved keeper; Fig. 2, a face view of the rear member of the keeper shown in Fig. 1, with a portion of one end broken away to show a detail; Fig. 3, a face view of the adjustable front member of the keeper shown in Fig. 1; Fig. 4, an edge view of the rear member, viewed in the direction of the arrow as indicated at 4 on Fig. 2; Fig. 5, a similar view of the adjustable member, viewed in the direction of the arrow as indicated at 5 on Fig. 3; Fig. 6, a broken section taken at the line 6 on Fig. 1, viewed in the direction of the arrow; Fig. 7, an enlarged broken section taken at the line 7 on Fig. 1 and viewed in the direction of the arrow; Fig. 8, an enlarged perspective view of the rear face of one of the eccentric locking washers employed, and Fig. 9, a similar view of the front face of the washer.

As in the construction set forth in my said application, the present device comprises a rear or inner member 10 adapted to be permanently secured to a door-jamb, or door-edge, and a front or outer member 11 adjustably supported on the member 10. The member 10, which is best formed of sheet-brass, is of a general rectangular shape, having a central struck-up portion 12 provided with an opening 13. This member is provided at opposite ends with recesses 14 and 15, produced by bending each end-portion of the member upon itself, to afford outer and inner walls 16 and 17.

In the present construction, there is provided in each wall 16 near the ends of the member 10, circular openings 18 having beveled edges 19, and in which eccentric

locking washers 20 are removably confined for the purpose hereinafter described. In the washers are central screw-holes 21 registering and concentric with screw-holes 22 in the walls 17, at which screw-holes the member 10 is adapted to be secured, as by screws 23, in a recess 24 provided in a door-jamb 25. Each washer has its circumferential edge beveled at the same angle as the edge of the opening 18 which receives it, as shown at 26, and is provided with an eccentric boss 27 on its rear face for engagement with the member 11, as hereinafter described.

The adjustable member 11 has a struck-up central portion 28, this portion being struck-up for a greater length than the portion 12 of the inner member 10 with which it registers, whereby the spaces 12^a are provided between the ends of the portions 11 and 12. The central portion 28 is provided with the usual cam-extension 29 and has catch-bolt and lock-bolt-receiving openings 30 and 31, respectively. These openings, which are relatively narrower than the opening 13, register with it, when the parts of the device are assembled as hereinafter explained. The ends of the member 11 which are slightly narrower than the ends of the member 10 and reach short of the end-walls of the recesses 14 and 15, are provided with transversely and longitudinally elongated slots 32 which register with the screw-openings 22 and through which the attaching screws 17 pass, and into which the eccentric bosses 27 extend to engage the side walls of the slots when the member 11 is positioned on the member 10.

The parts are assembled before the device is applied in operative position; and to accomplish this the members 10 and 11 are laterally telescoped by inserting the ends of the member 11 edgewise into the recesses 14 and 15, and thus between the walls 16 and 17 of the member 10, and drawing the members together to the position represented in Fig. 1, in which the member 11 lies flatwise against the member 10, with its opening 13 registering with the openings 30 and 31. The washers are then inserted into the openings 18 and partially rotated or set therein to cause the bosses 27 to enter the slots 32. The member 10, thus carrying the member 11, is then secured in the desired position in its receiving recess, by the screws 23, which serve when screwed in tightly, to firmly clamp together

the members 10 and 11 and the washers 20, the beveled surfaces of the washers and openings 18 serving to draw the walls 16 and walls 17 together to clamp the ends of the member 11 between them; and to enhance the clamping-hold, the surfaces of the end-portions of the member 11 may be roughened, as represented at 33, as also the inner surfaces of the walls 16 and 17, as represented at 34. When, for any reason, readjustment of the member 11 is desired, the screws 23 may be slightly withdrawn, thereby removing the pressure of the walls 16 and 17 against the end-portions of the member 11 and allowing the bosses to be disengaged from the slots in the member 11, whereupon the latter may be moved up and down and laterally to the desired position on the member 10, in which adjusted position it may then be clamped by first turning the washers in the openings 18 to cause the bosses 27 to again enter the slots 32 and then tightening the screws.

By forming the struck-up portion of the outer member of a greater length than the struck-up portion of the inner member, as described, the construction is rendered more effective in its purpose, particularly because of the desirable symmetry it affords to the device.

It is obvious that by providing the eccentric washers with the bosses for engaging the slots in the member 11, slipping of this member on the inner member, when the keeper is in use, is entirely obviated, this being a very important feature, especially when the keeper is used in connection with heavy doors.

What I claim as new, and desire to secure by Letters Patent, is—

1. A keeper comprising, in combination, an inner member adapted to be secured to a door-jamb, or the like, and provided with recessed ends and an intermediate struck-up portion, an outer member telescopically confined at its ends in said recesses to be adjustable with relation to said inner member and provided with a struck-up portion registering with the struck-up portion of said inner member and of a length affording spaces between its opposed ends and the respective ends of the struck-up portion of said inner member and means for securing said members in relatively adjusted positions.

2. A keeper comprising, in combination, an inner member adapted to be secured to a door-jamb, or the like, and having its ends formed of outer and inner walls and forming laterally-opening recesses therein and with an intermediate struck-up portion, an outer member telescopically confined at its ends in said recesses to be adjustable with relation to said inner member and provided with a struck-up portion registering with the struck-up portion of said inner member and of a length affording spaces between its opposed ends and the respective ends of the struck-up

portion of said inner member, and means for securing said members together in relative adjusted positions.

3. A keeper comprising, in combination, an inner member adapted to be secured to a door-jamb, or the like, and having its ends formed of outer and inner walls provided with roughened surfaces and forming laterally-opening recesses therein and with an intermediate struck-up portion, an outer member telescopically confined at its ends in said recesses to be adjustable with relation to said inner member and provided with a struck-up portion registering with the struck-up portion of said inner member and of a length affording spaces between its opposed ends and the respective ends of the struck-up portion of said inner member, and means for securing said members together in relative adjusted positions, the surfaces of said outer-member ends being roughened, for the purpose set forth.

4. A keeper comprising, in combination, an inner member adapted to be secured to a door-jamb, or the like, and provided with recessed ends, an outer member telescopically confined at its ends in said recesses to be adjustable with relation to said inner member and provided with slots near its ends, and locking devices extending into said slots in engagement with their side-walls for securing said members in relative adjusted positions.

5. A keeper comprising, in combination, an inner member adapted to be secured to a door-jamb, or the like, and provided with recessed ends, an outer member telescopically confined at its ends in said recesses to be adjustable with relation to said inner member and provided with slots near its ends, locking devices constructed and arranged to extend into and engage the walls of said slots for securing said members in relative adjusted positions, and clamping means co-operating with said devices to clamp the ends of the outer member between the walls of the recesses.

6. A keeper comprising, in combination, an inner member adapted to be secured to a door-jamb, or the like, and provided with recessed ends having screw-openings, an outer member telescopically confined at its ends in said recesses to be adjustable with relation to said inner member and provided with slots near its ends registering with said screw-openings, locking means on said inner member for securing said members in adjusted positions, constructed and arranged to extend into and engage the walls of said slots, and screws extending through said screw-openings and said locking means, for the purpose set forth.

7. A keeper comprising, in combination, an inner member adapted to be secured to a door-jamb, or the like, and provided with recessed ends, each having a washer-receiving

opening and a screw-opening registering with it, an outer member telescopically confined at its ends in said recesses to be adjustable with relation to said inner member and
5 provided with slots near its ends registering with said openings, washers in said washer-receiving openings provided with eccentric bosses extending into and engaging the walls of the slots in said outer member, and screws
10 passing through said washers and screw-openings, for the purpose set forth.

8. A keeper comprising, in combination, an inner member adapted to be secured to a door-jamb; or the like, and provided with recessed ends, each having a beveled washer-receiving opening and a screw-opening regis-

tering with it, an outer member telescopically confined at its ends in said recesses to be adjustable with relation to said inner member and provided with slots near its ends registering with said openings, beveled washers in said washer-receiving openings provided with eccentric bosses extending into and engaging the walls of the slots in said outer member, and screws passing through said
25 washers and screw-openings, for the purpose set forth.

JAMES CHRISTY.

In presence of:

W. B. DAVIES,
R. A. SCHAEFER.