

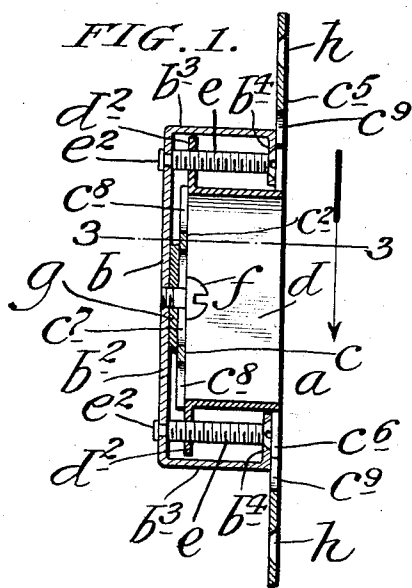
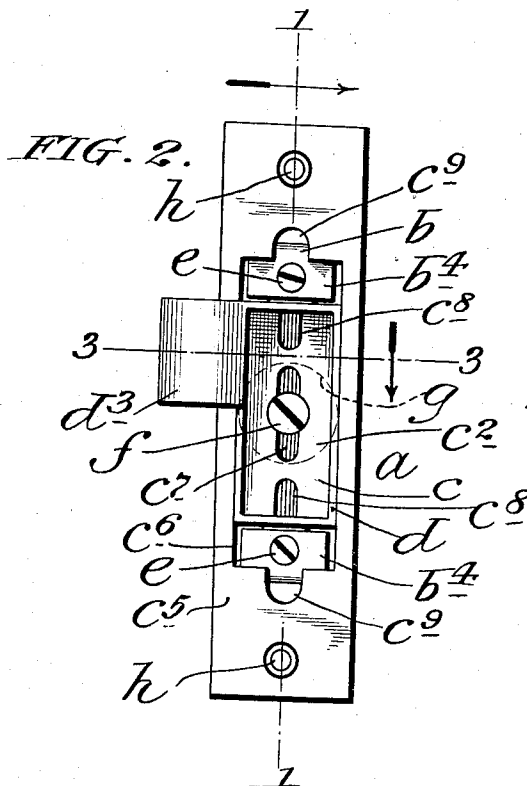
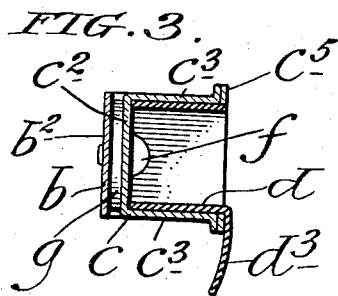
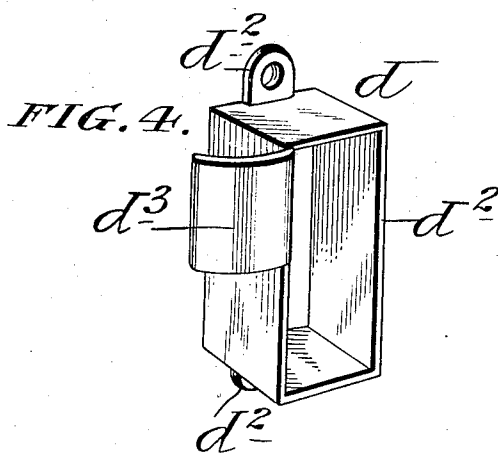
No. 890,613.

PATENTED JUNE 16, 1908.

J. M. CUFF.

STRIKING DEVICE FOR DOOR LOCKS AND LATCHES.

APPLICATION FILED OCT. 2, 1907.



WITNESSES

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UNITED STATES PATENT OFFICE.

JAMES M. CUFF, OF JERSEY CITY HEIGHTS, NEW JERSEY, ASSIGNOR OF ONE-THIRD TO MORRIS HARRIS AND ONE-THIRD TO MILTON R. LEVY, OF JERSEY CITY, NEW JERSEY.

STRIKING DEVICE FOR DOOR LOCKS AND LATCHES.

No. 890,613.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed October 2, 1907. Serial No. 395,499.

To all whom it may concern:

Be it known that I, JAMES M. CUFF, a citizen of the United States, and residing at Jersey City Heights, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Striking Devices for Door Locks and Latches, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention is an improvement on that described in U. S. Letters Patent, #839,556, granted Dec. 25, 1906, and the object thereof is to provide a striker device which is secured to and in a door frame, and in connection with which the latch-bolt, or latch and lock bolts of the lock operate when the door is closed. In the patent referred to, the striker device or the part thereof in connection with which the latch-bolt or latch and lock-bolts operate was made adjustable toward and from the door, so as to accommodate the device to shrinkage of the door frame and permit of the proper operation of the device after such shrinkage; but in this invention that part of the striker device in connection with which the latch-bolt or latch and lock-bolts operate is made adjustable both toward and from the door and vertically so as to secure a proper operation of the latch or lock and accommodate the same to the door when the door shrinks or sags, or both shrinks and sags.

The invention is fully disclosed in the following specification of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a central vertical section of my improved striker device for doors. Fig. 2 a front or face view thereof. Fig. 3 a transverse section on the line 3, 3 of Figs. 1 and 2, and:—Fig. 4 a perspective view of a detail of the construction.

My improved striker device is shown as a hole at *a*, and consists of three main parts *b*, *c*, and *d* and other details of construction as hereinafter described. The part *b* consists of a case composed of a back plate *b*², having forwardly directed parallel end members *b*³ provided at their outer or front ends with inwardly directed ears *b*⁴, said case being open at the sides and at the front.

The part *c* consists of a box-shaped case,

composed of a back *c*², side members *c*³, and a front plate *c*⁵, which is secured thereto, said box-shaped case being open at the ends and front, and the front plate *c*⁵ being provided with a corresponding opening as shown at *c*⁶. The back wall or plate *c*² of the case *c* is also provided with a longitudinal slot *c*⁷, and the ends thereof with longitudinal recesses *c*⁸.

The part *d* consists of a box-shaped case open at the back and front, and the ends of which are provided at the back with ears *d*², and one side of said case *d* is provided at the front with a laterally directed striker tongue *d*³, against which the latch-bolt or lock bolt, or that part of the latch or lock which is secured in the door operates.

It will be observed that the case *b* is longer than the cases *c* and *d*, the latter cases being substantially of the same length, and the opening *c*⁶ in the plate *c*⁵ which is secured to the case *c* is longer than the cases *c* and *d* and a little shorter than the case *b* and the ends of said opening are provided with recesses *c*⁹.

In assembling the parts of this device, the case *d* is passed backwardly into the case *c* and screws *e* are passed through the ears *b*⁴ of the case *b* and through the ears *d*² of the case *d* and into the back of the case *b*, in which said screws are rotatable, and the end portions of said screws which pass through the back of the case *b* are reduced in size, and riveted or provided with heads *e*², the front ends of said screws being provided with ordinary heads which are countersunk in the ears *b*⁴. A screw *f* is also passed backwardly through the slot *c*⁷ in the back of the case *c*, and through the back *b*² of the case *b*, and a washer *g* is placed between said cases through which the screw *f* also passes. The end portions of the front plate *c*⁵ which is secured to the case *c* are provided with screw holes *h*, and in practice the body portion of the striker device consisting of separate parts assembled as above described is countersunk in the door-frame in the usual manner. By means of the screws *e*, the case *d* with the striker tongue *d*³ connected therewith may be adjusted inwardly and outwardly, or toward and from the door at all times. When these screws are turned in one direction, the case *d* with the striker tongue *d*³ is adjusted outwardly, and when said screws are turned in the other direction the case *d* will be adjusted inwardly. In this operation the case

d moves independently of the cases *b* and *c*, but in the operation of adjusting the case *d* vertically, the cases *b* and *d* move together, in the case *c*, it being understood that the case *c* with the plate *c*⁵ are stationary at all times. Whenever it is desired to adjust the cases *b* and *d* vertically, the screw *f* is loosened and the cases *b* and *d* may be adjusted vertically after which the screw *f* is tightened.

10 The cases *b* and *d* may be adjusted by simply taking hold of the striker tongue *d*³ and moving said parts vertically as will be readily understood.

I have not shown the door or that part of the lock connected therewith for the reason that they form no part of this invention and said parts are clearly shown in the patent referred to, together with a part of the door-frame in which the striker device is secured.

20 The recesses *c*⁸ in the ends of the back wall of the case *c* are designed to receive the screw *e* in the vertical adjustment of the parts *b* and *d*, as herein described and the object of the recesses *c*⁸ in the plate *c* which form an extension of the opening *c*⁸ in both directions is to provide means whereby the screws *e* may be manipulated in any position of the parts *b* and *d*, it being understood that when said parts are in their highest or lowest position the screws *e* must be manipulated through said recesses by means of an ordinary screw-driver.

My invention is not limited to the exact details of construction herein shown and described, and although I have described the parts *b*, *c* and *d* as cases, as shown and described, it will be apparent that other forms of construction may be employed, and various other changes in, and modifications of the construction herein shown and described

may be made within the scope of the appended claims without departing from the spirit of my invention or sacrificing its advantages.

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

1. A striker device for door locks comprising a part provided with a face plate having a central longitudinal opening, a second part adjustable longitudinally of the first part back of the face plate, a third part mounted in the second part and adjustable forwardly and backwardly through the opening in the face plate, means for adjusting the third part forwardly and backwardly through the opening in the face plate, and devices for adjusting the second and third parts longitudinally of the first part.

2. A striker device for door locks comprising a part provided with a face plate having a central longitudinal opening, a second part adjustable longitudinally of the first part back of the face plate, a third part mounted in the second part and adjustable forwardly and backwardly through the opening in the face plate, means for adjusting the third part forwardly and backwardly through the opening in the face plate, and devices for adjusting the second and third parts longitudinally of the first part.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 30th day of September, 1907.

JAMES M. CUFF.

Witnesses:

C. E. MULREANY,
M. E. DOODY.