L. ARKIN.

FASTENER.

APPLICATION FILED JAN. 17, 1916.

1,182,238. Patented May 9, 1916.

Fig. 1.

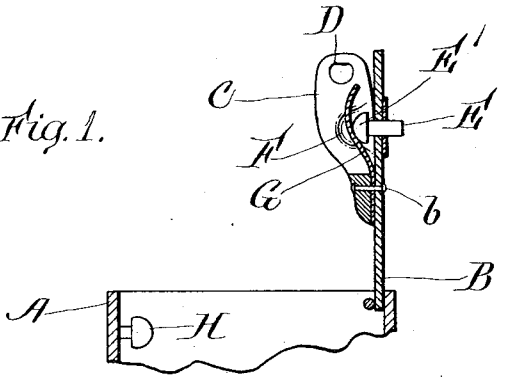


Fig. 2.

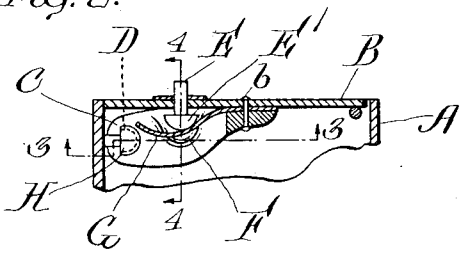


Fig. 3.

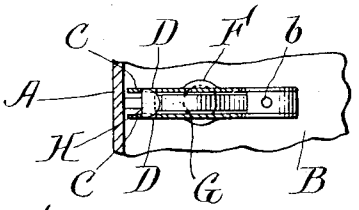
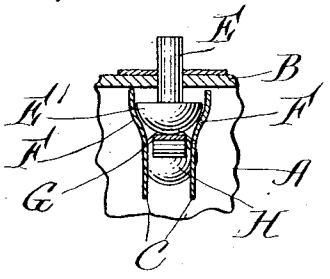


Fig. 4.



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LOUIS ARKIN, OF BOSTON, MASSACHUSETTS.

FASTENER.

1,182,238. Specification of Letters Patent. Patented May 9, 1916.

Original application filed May 14, 1915, Serial No. 28,194. Divided and this application filed January 17, 1916. Serial No. 72,406.

To all whom it may concern:

Be it known that I, LOUIS ARKIN, a citizen of the United States, and resident of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Fasteners, of which the following is a specification.

This invention relates to fasteners, and more particularly to fasteners which while adapted yieldingly to secure a box cover or lid of any usual construction, is peculiarly adapted for fastening the lid or closure of the roll chambers of a camera.

The object of the invention is to provide a simple and effective fastener for this purpose which will securely hold the cover or lid in closed position and which can be readily unfastened when desired.

The present application is a division of an application for patent for cameras filed by me on May 14, 1915, Serial No. 28,194.

Referring to the drawings which illustrate an embodiment of my invention, Figure 1 is a central longitudinal section of a box provided with my improved fastener, the cover of the box being open; Fig. 2 is a similar view but with the box cover closed; Fig. 3 is a section on the line 3—3 of Fig. 2; Fig. 4 is a section on an enlarged scale on the line 4—4, Fig. 2.

Referring to the drawings, A is a box casing or receptacle having a pivoted cover B provided on its inner face with a pair of stud retaining plates or arms C spaced apart and rigidly secured at one end as by bolts *b* to the inside of said cover. At their free ends the plates or arms C are provided with stud receiving apertures or sockets D which are preferably of non circular contour as clearly shown in Fig. 1.

E is the operating member herein shown as a push pin extending through and projecting above the cover B, and having an enlarged head E′ which normally rests within the recess formed by the insets F provided in the arms C. Rigidly secured between the said arms C and extending below the push pin B is a spring G the free end of which extends beyond the edges of the apertures or sockets D.

H is the complemental fastener member consisting of a stud of greater diameter than the space between the arms C and rigidly secured upon the inside of a side wall of the box A. Preferably, the stud is of the notched form shown.

When the cover B is swung from open position shown in Fig. 1 to closed position shown in Fig. 2, the arms C engage the stud H and are spread thereby until the stud enters the apertures or sockets D thus firmly locking the cover in closed position. When it is desired to open the cover, the user presses down the push pin E causing its enlarged end E′ to leave the recess formed by the insets F, and spread the arms C moving them out of engagement with the stud H. The downward movement of the push pin not only disengages the arms from the stud but also simultaneously therewith forces the spring G into engagement with the stud so that on the release of the push pin the spring G jumps the arms free of the stud, unlocking the cover.

While in the specific embodiment of the invention herein disclosed I have shown the operating member as a push pin, it will be clear that other operating members accessible from the outside of the box, casing or receptacle and adapted to spread the arms C, may be employed without departing from my invention.

I claim:

1. A socket member of a fastener comprising a pair of stud retaining arms spaced apart and having sockets, and a push pin adapted when depressed to spread said arms and move them out of engagement with the stud.

2. A socket member of a fastener, comprising a pair of stud-retaining arms spaced apart and having sockets, a push pin normally held between said arms and adapted when depressed to spread said arms and move them out of engagement with said stud, and a stop to hold said pin in normal position between said arms.

3. A socket member of a fastener comprising a pair of stud retaining arms spaced apart and having a recess and sockets, and a headed pin normally resting in said recess and adapted when depressed to spread said arms and move them out of engagement with the stud.

4. A socket member of a fastener comprising a pair of stud retaining arms spaced apart and having a recess and sockets, a headed pin normally resting in said recess, a

spring located below said pin, and said pin adapted when depressed simultaneously to force said spring into engagement with said stud and to spread said arms and move them out of engagement therewith.

5. The combination with a box having a cover, of a pair of stud retaining arms spaced apart and rigidly secured at one end to the inside of said cover, said arms having a recess and stud receiving apertures at their free ends, a push pin projecting through said cover and having an enlarged head normally seated in said recess, a spring rigidly secured to said cover between said arms, extending below said pin and beyond the margin of said stud apertures, a complemental stud member secured to the inside of a wall of said box and adapted to spread said arms and enter said stud receiving apertures when said cover is closed, and said push pin adapted when depressed simultaneously to force said spring into engagement with said stud and to spread said arms and move them out of engagement therewith.

6. A socket member of a fastener comprising a pair of stud-retaining arms normally spaced apart and having sockets, and a push pin permanently located between said arms and adapted when depressed to spread said arms to move them out of engagement with the stud.

7. A socket member of a fastener comprising a pair of stud-retaining arms spaced apart and having sockets, an operating member and a stop adapted to hold said operating member in normal position between said arms, said operating member adapted simultaneously to force said stop into engagement with said stud and to spread said arms and move them out of engagement therewith.

8. A socket member of a fastener comprising a pair of stud-retaining arms spaced apart and having a recess and sockets, and an operating member normally extending into said recess and adapted to spread said arms and move them out of engagement with the stud.

Signed by me at Boston, Massachusetts, this 14th day of January, 1916.

LOUIS ARKIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."