C. A. KALLNBACH.

SAFETY ATTACHMENT FOR POCKET BOOKS.

APPLICATION FILED JAN. 21, 1914.

1,127,363.

Patented Feb. 2, 1915.

2 SHEETS—SHEET 1.

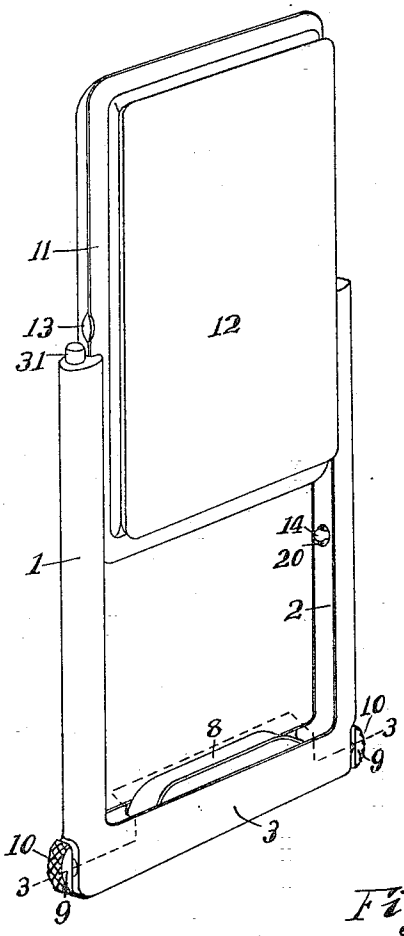


Fig. 1.

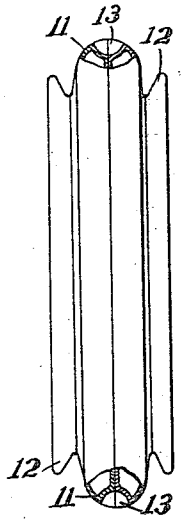
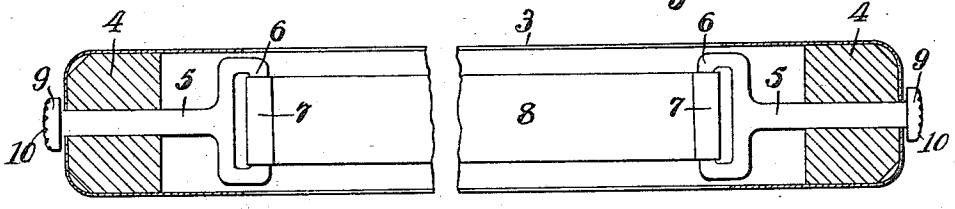


Fig. 2.

Fig. 3.



WITNESSES:

L. S. Woodhull.

M. E. Boecamler

INVENTOR

Carl A Kallnbach

BY

D. F. Wheeler

ATTORNEY

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

C. A. KALLNBACH.

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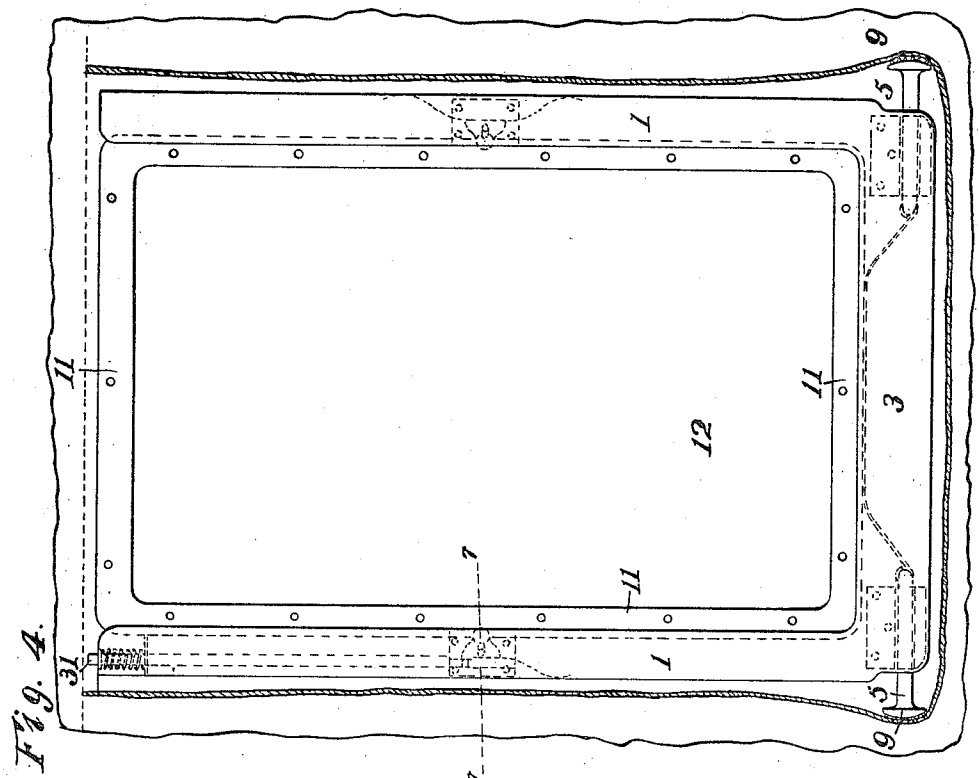


Fig. 4.

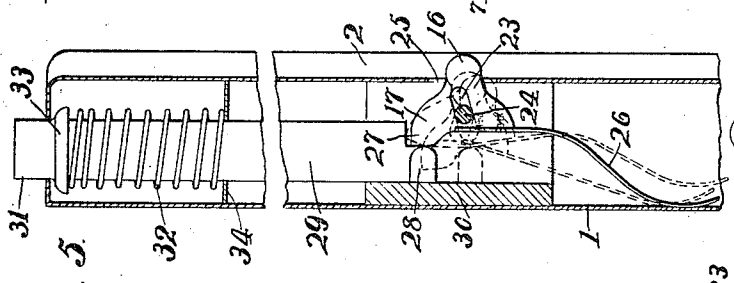


Fig. 5.

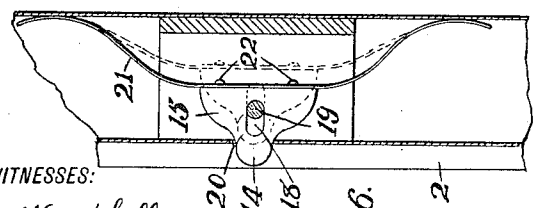


Fig. 6.

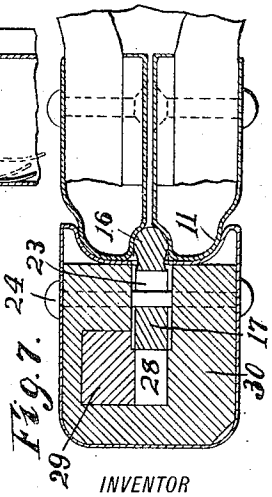


Fig. 7.

WITNESSES:

L. S. Woodhull

M. E. Breeamle

INVENTOR

Carl A. Kallnbach

BY

B. A. Wheeler

ATTORNEY

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CARL A. KALLNBACH, OF DETROIT, MICHIGAN, ASSIGNOR OF ONE-THIRD TO OTTO E. ERHARD, OF DETROIT, MICHIGAN.

SAFETY ATTACHMENT FOR POCKET-BOOKS.

1,127,363. Specification of Letters Patent. Patented Feb. 2, 1915.

Application filed January 21, 1914. Serial No. 813,366.

To all whom it may concern:

Be it known that I, CARL A. KALLNBACH, a citizen of the United States, residing at Detroit, in the county of Wayne, State of Michigan, have invented certain new and useful Improvements in Safety Attachments for Pocket-Books; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in safety attachments for pocket-books, and consists in the construction and arrangement of parts as hereinafter more fully set forth and pointed out particularly in the claims.

The invention has for its object the provision of simple, light and efficient means for use in connection with a pocket-book in such manner as to hold and retain the pocket-book within the pocket of a garment of the wearer and prevent the accidental discharge or the surreptitious removal of the pocket-book therefrom. The invention further contemplates such a construction and arrangement of parts for accomplishing this purpose as will serve to securely hold the pocket-book in position without injury to the pocket and to permit of its ready release and withdrawal when desired, in a manner to avoid encumbering said pocket-book with added parts or attachments that might interfere with its free handling in the usual manner. The above object is attained by the employment of the construction and arrangement of parts illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of a pocket-book partially inserted in position within the retaining frame or holder. Fig. 2 is an end elevation of the pocket-book detached from the holder, and having portions of the frame of the pocket-book broken away to show the arrangement of depressions in the opposed edges thereof, which assist in locking said pocket-book within the holder. Fig. 3 is a cross sectional view through the base of the frame or holder, taken on dotted line 3—3 of Fig. 1. Fig. 4 is a side elevation of the pocket-book in its locked position within the holder, showing also the holder in locked engagement with the pocket of a garment, the walls of the pocket of the garment being shown in section. Fig. 5 is an enlarged detail in vertical section through one side of the frame of the holder, showing a spring actuated plunger for locking and releasing a spring tensioned latch located within the hollow of the frame. Fig. 6 is an enlarged detail of a portion of the opposite side of the frame or holder, showing an automatic spring actuated latch located within the hollow of the frame. Fig. 7 is an enlarged sectional view through one side of the supporting frame and a portion of the pocket-book in contact therewith, showing the spring tensioned latch in locked engagement with a depression in the edge of the pocket-book frame, taken on dotted line 7—7 of Fig. 4.

Referring to the drawings by the characters of reference marked thereon, 1 designates a hollow U-shaped metal frame having a depression or concavity 2 formed in the inner wall and extending around said frame. Said supporting frame is formed by drawing or stamping to shape from thin metal, preferably aluminum, which, owing to the hollow formation of the frame, will produce a very light, yet amply strong, structure for the purpose.

Located in the cross member or base portion 3 of the frame 1, and in opposite corners of said frame, are filler plugs 4 which are secured in place by riveting, or other suitable means, and serve as bearing surfaces through which and the outer wall of the frame reciprocal bearing plungers 5 extend. The inner ends of said plungers are provided with enlarged yoke portions 6 which receive the looped ends 7 of an upwardly curved leaf spring 8 that is interposed between the side walls of the base 3 of said frame, by means of which said plungers are linked together. The outer ends of the plungers 5 are provided with enlarged heads 9, the outer faces of which are slightly curved and provided with a series of serrations 10 formed in the surface thereof, as clearly shown in Figs. 1 and 3. The heads of said plungers are adapted to be projected into the corners of the pocket of the garment by the reciprocating movement imparted to the plungers through the expansion of the spring 8 when the body portion of said spring is depressed, as shown in Fig. 4, in which a metal frame 11 surrounding

and secured to the outer edge of the pocket-book 12 is shown in contact with the body portion of said spring.

The frame 11 of the pocket-book 12 is adapted to slide freely within the supporting frame 1, its outer curved edges coinciding with the concavities 2 in the inner faces of the side members of said frame, as shown in Figs. 1, 4 and 7.

As a means for holding the pocket-book 12 in a securely locked position against the tension of the spring 8 within the frame 1, the meeting edges of the two-part frame of said pocket-book, upon opposite sides and at points midway the length thereof, are provided with semi-circular depressions 13, as clearly shown in Figs. 1 and 2, adapted to receive upon one side the button headed projection 14 of an automatic spring actuated latch 15, and upon the opposite side the button headed projections 16 of a spring tensioned locking and releasing latch 17, which are contained within the hollow side members of the supporting frame 1. The latch 15 is provided centrally therethrough with an elongated aperture 18 that receives a rivet stud 19 anchored in the side walls of said frame, and which serves as a support to slidably hold said latch in position. The button headed portion 14 of the latch 15 is normally held in an extended position through an aperture 20 in the concavity of the hollow side member by means of a curved leaf spring 21 which is attached at its body portion by rivets 22 to the back face of the latch 15, having its curved free ends lying in contact with the inner face of the outer wall of said hollow member, whereby said latch is yieldably held in position and permitted to recede laterally against the tension of the spring through the application of the pressure upon its button headed projection, as indicated by dotted lines in Fig. 6.

The locking and releasing latch 17 is provided through its body with an inclined elongated aperture 23, through which a rivet stud 24, having its ends secured in the side walls of the hollow member 1, freely passes and serves as a guide and fulcrum bearing on which said latch may swing and slide. The button headed portion 16 of the latch 17 is held normally projected through the aperture 25 in the concavity 2 of the hollow member 1 by means of a curved leaf spring 26, which is rigidly attached at one end to the back face of said latch and bears at its free end against the inner face of the outer wall of said hollow member. The upper rear portion of said latch is provided with a rearwardly extended bearing shoulder 27 which normally lies in contact with a laterally projecting lug 28 formed on the lower end of a spring tensioned reciprocal plunger 29. Said plunger is contained within the upper end of one of the hollow side members of the frame 1 and is adapted to be reciprocated vertically therein. The lower end of said plunger is seated to move freely in a guideway formed in a filler plug 30 secured within said hollow member, as shown in Figs. 5 and 7. The upper end of the plunger 29 projects through an aperture in the upper end of the hollow side member of the frame 1, terminating in the form of a push button 31 for the reception of a thumb or finger and the application of pressure thereto to depress said plunger. Said plunger is normally held extended by a coiled spring 32 which surrounds said plunger at its upper end, being interposed between a collar 33 on said plunger and a partition 34 located within said hollow member, which partition serves as a guide for said plunger and as a seat for the lower end of said spring. The collar 33 of the plunger engaging the inner wall of the end of the hollow member serves as a stop to limit the upward movement of said plunger against the expansive action of the coil spring.

The latches being in their normal position shown in Figs. 5 and 6, with their button heads protruding into the concavities of the supporting frame 1, said heads will be engaged by the edges of the frame 11 of the pocket-book, when said frame is inserted within the supporting frame, and will be automatically forced inwardly against the tension of their respective springs, as indicated by dotted lines in Figs. 5 and 6, allowing the frame of the pocket-book to pass freely into position within the supporting frame. When the concavities in the edges of the pocket-book frame register with the button heads of the latches, said heads will be caused to enter said concavities upon their respective sides of the frame, at which time the lower edge of the pocket-book frame will have engaged the upwardly extending portion of the leaf spring 8, contained within the base of said frame, compressing said spring and extending the heads 9 of the plungers 5 in a manner to engage the fabric walls at the corners of the pocket in which said pocket-book and supporting frame are contained, as clearly shown in Fig. 4.

It will now be apparent that with the parts in such position the supporting frame will be securely held against withdrawal from the pocket of the garment, and the pocket-book will be locked against withdrawal from the supporting frame. Owing to the engagement of the shoulder 27 of the latch 17 with the lug 28 of the plunger 29, said latch is held against a swinging movement through the upward pressure exerted by the spring 8 against the frame of the pocket-book, and is also held against a slid-

ing movement by the tension of its spring 26, thus locking said latch against withdrawal from its concavity in the frame of the pocket-book until the plunger is depressed to carry the lug 28 out of engagement with the shoulder 27 of the latch, when said latch will be free to rock and also to recede and withdraw its button head from the concavity of the pocket-book frame as said frame is forced upward by the tension of the spring, as indicated by dotted lines in Fig. 5. The latch 15 will automatically recede against the tension of its spring by the upward movement of the pocket-book frame, thus said pocket book frame will be released from its locked engagement with the supporting frame and may then be completely withdrawn therefrom. The supporting frame will also be released from its locked engagement with the pocket of the garment through the withdrawal of the plungers by the contracting action of their connecting spring when released, and may then likewise be removed from said pocket or allowed to remain therein for the return reception of the pocket-book, as before described.

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

1. A safety attachment for pocket-books, comprising a supporting frame adapted to fit into the pocket of a garment, a pocket-book frame adapted to fit into said supporting frame, means for detachably locking said supporting frame within the pocket of a garment and for detachably locking said pocket-book frame in engagement with said supporting frame.

2. A safety attachment for pocket-books comprising a supporting frame, a pocket-book frame adapted to be contained within said supporting frame, means carried by said supporting frame to be actuated by said pocket-book frame for effecting a locked engagement with the pocket of a garment, and means carried by said supporting frame for locking said frames together and for releasing said frames from locked engagement.

3. In a safety attachment for pocket-books, the combination with a supporting frame adapted to receive a pocket-book frame, of spring tensioned extensible plungers carried by said supporting frame, a pocket-book frame adapted for attachment to a pocket-book and to be contained within said supporting frame for actuating said spring tensioned extensible plungers, a locking and releasing latch carried by said supporting frame for effecting a locking engagement with said pocket-book frame, and a spring tensioned plunger for releasing said locking latch.

In testimony whereof, I sign this specification in the presence of two witnesses.

CARL A. KALLNBACH.

Witnesses:
OTTO ERHARD,
M. E. BROESAMLE.

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