Jan. 12, 1932. A. B. RANDALL 1,840,409

HINGED FASTENING DEVICE

Original Filed Jan. 9, 1930

FIG. 1

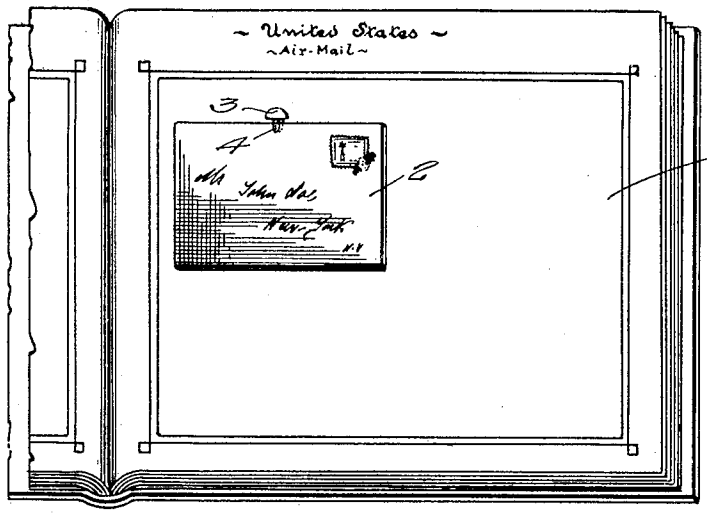


FIG. 2

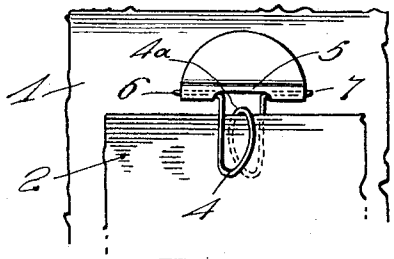


FIG. 3

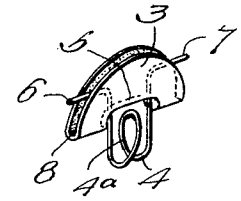


FIG. 4

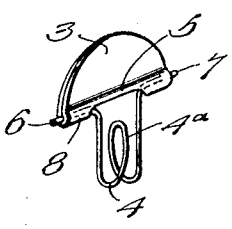


FIG. 5

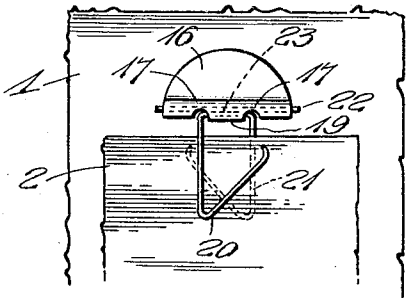


FIG. 6

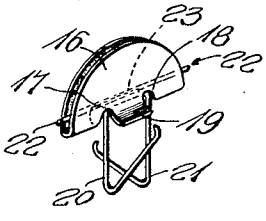


FIG. 7

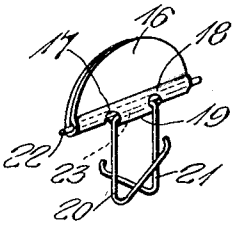


FIG. 8

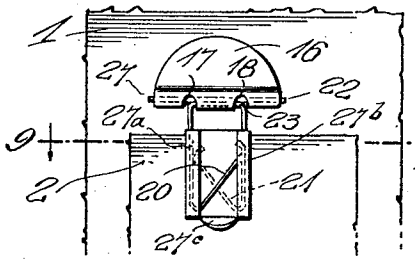


FIG. 9

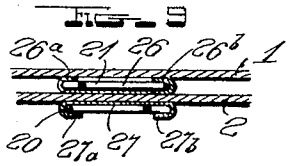
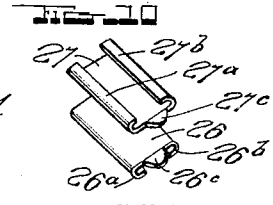


FIG. 10



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1,840,409

UNITED STATES PATENT OFFICE

ALBERT B. RANDALL, OF WHITESTONE, NEW YORK

HINGED FASTENING DEVICE

Original application filed January 9, 1930, Serial No. 419,616. Divided and this application filed July 29, 1931. Serial No. 553,836.

My invention relates broadly to hinged fastening devices for papers and the like and more particularly to a construction of hinged fastening device for attaching a sheet-like member to a supporting surface in such manner that both sides of the sheet-like member may be readily inspected.

This application is a division of my application Serial No. 419,616, filed January 9, 1930, for hinged fastening device.

One of the objects of my invention is to provide a construction of hinged fastening device having means for detachably receiving a sheet-like member in predetermined position with respect to a supporting sheet.

Another object of my invention is to provide a construction of hinged fastening device particularly adapted for use in stamp albums for detachably mounting covers or stamped envelopes in an album in predetermined position.

Still another object of my invention is to provide a construction of hinged fastening device for stamped envelopes for use by collectors in mounting stamped envelopes within a stamp album, wherein means are provided for detachably mounting exhibit envelopes in predetermined position with respect to the pages of the album, the detachable means being suspended through a laterally extending slot in a securing tab adapted to be secured to a page of the album.

A further object of my invention is to provide a construction of hinged fastening device comprising a securing tab which is laterally slotted for the passage of a clip member having supporting parts extending in opposite directions on both sides of the slotted portion of the securing tab and adapted to pivot about the tab for hingedly supporting a flat sheet by means of the clip member.

Other and further objects of my invention reside in the construction of hinged fastening device, as set forth more fully in the specification hereinafter following by reference to the accompanying drawings, in which:

Figure 1 is a fragmentary perspective view of a stamp album showing my improved fastening and attachment device in position therein, the fastening device being shown in a position for mounting a specimen envelope; Fig. 2 is a detailed front elevation of my improved hinged fastening device; Fig. 3 is a detailed perspective view showing the securing clip of my invention as illustrated in Fig. 2 about to be positioned within the attachable fastening device; Fig. 4 is a detailed perspective view of the fastener shown in Fig. 2; Fig. 5 is a detailed front elevation of a modified form of hinged fastening device embodying my invention; Fig. 6 is a perspective view of the parts of the hinged fastening device shown in Fig. 5 where the clip is about to be assembled within the hinged attachment member; Fig. 7 is a perspective view of the modified form of attachment device illustrated in Fig. 5 as it is finally assembled; Fig. 8 illustrates the form of fastening device shown in Figs. 5, 6 and 7 having guard means enveloping the parts of the clip for preventing creasing of the exhibit envelope; Fig. 9 is a cross-sectional view taken through the guard means on line 9—9 of Fig. 8; and Fig. 10 is a perspective view of each of the guard means illustrated in Figs. 8 and 9.

With the increasing use of air mail envelopes there has come a demand by stamp collectors for means for properly preserving specimens of exhibit air mail envelopes. The usual method of mounting stamps in stamp albums by means of a gummed paper hinge has been found to be impracticable for the mounting of air mail envelopes which are known to stamp collectors as "covers" or an "entire". The single paper hinge ordinarily employed in the mounting of stamps has not been practicable for the mounting of entire envelopes due to the comparative mass of the envelope with respect to the stamp

which is usually mounted upon a paper hinge. When a plurality of paper hinges are used for mounting an "entire", difficulty arises in the proper alignment of the several paper hinges and buckling and tearing of the hinge often results under the continued movement of the envelope as the pages of the album are leafed.

My invention provides means for mounting the entire air mail envelope with respect to the pages of a stamp album in a manner which facilitates the quick and easy inspection of both sides of the envelope for observing the cancellations appearing on one side of the envelope and the air mail stamps and post office inscriptions appearing on the front of the envelope. I provide a construction of hinged fastening devices having sufficient rigidity to properly position an exhibit envelope with respect to the page of the stamp album. I provide means for readily attaching the fastener to the page of a stamp album in a manner which facilitates the inspection of both sides of the envelope.

Referring to the drawings in detail, reference character 1 designates a form of stamp album used by a collector for mounting the exhibit stamps. I have illustrated in plan view the page of a stamp album on which a "cover", an envelope, or, as a postmarked envelope specimen is known among stamp collectors, an "entire" 2 is hingedly mounted. The fastening means is illustrated as comprising two parts, part 3 of which constituting a tab is secured to the page of the stamp album and part 4 of which constituting a clip is arranged to engage the envelope 2.

In Figs. 2, 3 and 4 I have shown the fastening device of my invention wherein the securing portion 3 of the fastening device which engages the page of the album shown at 1 has a central diametrically extending slot 5 formed therein. A resilient wire member is illustrated at 4 for forming the two adjacent loops with ends 6 and 7 projecting therefrom, the parts of the resilient wire 4 being adapted to engage opposite sides of the envelope 2. The manner of assembling the hinged fastening device is shown more clearly in Fig. 3 where the resilient wire member 4 is passed through the central diametrically extending slot 5 with the projecting portions 6 and 7 fitted in the diametrical fold 8 of the securing portion 3. The inner faces of the securing means 3 are united by suitable glue or mucilage forming when folded a semi-circular member which is readily attachable to the page of the album 1. The resilient wire 4 is free to revolve through an angle of substantially 180 degrees enabling the envelope carried thereby to be reversed in position in the album, thus allowing inspection of both sides of the envelope. The resilient wire 4 is looped centrally as indicated at 4*a*, thus providing the two looped portions which engage opposite sides of the envelope 2.

In Figs. 5, 6 and 7, a modified form of mounting clip has been shown. The tab indicated at 16 is formed from a circular sheet of material which is folded diametrically, the sheet of material being apertured at 17 and 18 on either side of a tongue 19 which is cut from the material of the circular sheet 16. The fact that the tongue 19 is severed from the material of the tab 16 enables the parts of the clip device to be inserted through the tab and suspended with respect to the sheet to which the hinged fastening device is attached. The clip device is shown as comprising depending resilient jaws 20 and 21 which extend through the central slot in the tab 16 and engage opposite sides of the envelope 2. A bar member 22 extending diametrically of the tab 16 is welded or otherwise secured to the upper portion 23 of the spring clip for supporting the spring clip in position for angular movement with respect to the tab 16 and the surface 1 on which the tab is mounted.

In the case of rare specimens which it is desired to preserve, I further protect the cover or envelope against creasing under the action of the resilient jaws 20 and 21 by means of the enveloping covers 26 and 27, as shown in Figs. 8, 9 and 10. The enveloping covers are made of celluloid or other material and are formed in the shape of channels having inwardly directed guide jaws 26*a* and 26*b* and 27*a* and 27*b* as shown. To facilitate the attachment of the envelope covers over the jaws 20 and 21. I provide finger grips 26*c* and 27*c*, respectively. The finger grips are utilized in slipping the enveloping covers over the spring jaws to prevent contacting of the jaws directly with the envelope or cover 2 which may be a very rare specimen and not replaceable. I may construct the enveloping covers of a single sheet of material properly apertured to permit the insertion thereof upon the spring jaws.

As heretofore noted the parts of the paper tab 3 which fold adjacent each other are united by a coating of mucilage which is suitably moistened when the hinged fastening device is placed in use. The rear surface of the tab is also coated with mucilage to permit the attachment of the tab to the page of the album. The front semi-circular portion of the tab does not have a mucilage coating thereon and is therefore free to be pressed by means of the finger against the surface of the supporting page in an album.

The fastening device of my invention may be employed for a variety of purposes, such as the mounting of advertising cards, the mounting of restaurant menus, and the attachment of advertising matter to window panes. The device is also very practical as

a substitute for thumb tacks which are mounted on bulletin boards.

I have found the attachment device of my invention in its various forms extremely practical in its construction, and while I have described certain preferred embodiments of my invention, I desire it to be understood that modifications may be made and that no limitations upon my invention are intended other than are imposed by the scope of the appended claims.

What I claim as new and desire to secure by Letters Patent of the United States is as follows:

1. A hinged fastening device comprising a paper tab gummed on one side thereof for attachment to a supporting sheet, said tab being laterally slotted adjacent the center thereof and folded upon itself, a spring clip extending through the slotted portion of said tab and having portions disposed normal to the sides of said clip and extending in opposite directions from the sides of said clip between the folded portions of said tab, means supported between the parts of said tab for suspending said spring clip in a position free for angular movement through substantially 180°, said spring clip having a pair of gripping jaws adapted to engage a sheet of material therebetween for suspending the sheet of material with respect to said supporting sheet.

2. In a hinged fastening device, a paper tab having one side thereof gummed to engage a substantially flat supporting sheet, said tab having a central diametrically extending aperture therein, and being folded upon itself, a resilient clip projecting through the aperture in said tab and having angularly bent portions projecting in opposite directions between the folds of said tab and being journaled laterally of said tab for hingedly securing said clip in position with respect thereto, said clip being adapted to engage opposite sides of a sheet-like member for mounting said sheet-like member with respect to said flat supporting sheet.

3. A hinged fastening device comprising a substantially circular gummed tab, a diametrically extending slot in said tab, a clip having a depending center portion, a pair of laterally extending arms projecting in opposite directions diametrically of said tab, the depending central portion of said clip projecting through the slot in said tab and adapted to engage a flat sheet-like member for supporting the same.

4. A hinged fastening device comprising a semi-circular tab folded diametrically upon itself, a diametrically extending slot through said tab, a clip having a centrally depending portion adapted to project through said slot and having a pair of oppositely directed arms extending therefrom and supported between the fold of said tab, the inner faces of said tab being coated with mucilage and the rear face of said tab having a mucilage coating thereon for attaching said hinged fastening device to a supporting surface.

5. A hinged fastening device comprising a substantially circular tab folded diametrically upon itself to a substantially semi-circular form, said tab having a diametric slot extending centrally therethrough, a clip having a centrally depending portion projecting through said slot and a pair of oppositely directed diametrically extending arms supported in the fold of said tab on the opposite sides of said slot, the adjacent surfaces of said tab being united by mucilage coatings and the rear face of one of said surfaces having a mucilage coating thereon adapted to be attached to a supporting surface.

6. A hinged fastening device comprising a substantially circular tab folded diametrically upon itself to a substantially semi-circular form, said tab having a diametric slot extending centrally therethrough, a clip having a depending loop formed thereon substantially at the center thereof and having a pair of oppositely directed arms supported between the fold of said tab, the adjacent inner surfaces of said tab having mucilage coatings thereon and the rear surface of said tab having a mucilage coating thereon adapted to support said tab with respect to a flat surface in a position in which said clip is free to revolve through substantially 180° about said arms as an axis.

7. A hinged fastening device comprising a substantially circular tab folded upon itself to a substantially semi-circular form, said tab having a diametrically extending slot disposed centrally thereof, a tongue formed on said tab adjacent said slot, a clip having a central portion projecting through said slot and having a pair of oppositely extending arms supported within the fold of said tab, the tongue on said tab being wrapped beneath said clip and secured to the opposite side of said tab for supporting said clip in a position free to revolve about the diametric portion of said tab as an axis.

8. A hinged fastening device comprising a paper tab having a portion of said side thereof gummed for attachment to a supporting surface, said tab being foldable upon itself and having a central diametrically extending aperture at the fold thereof, a bar member rotatably mounted within the folds of said tab, a paper clip having the upper portion thereof extending through the apertured portion of said tab and secured to said bar, said clip being free to revolve through an angular distance of substantially 180° with respect to the supporting surface.

9. A hinged fastening device comprising a paper tab having a portion of one side thereof gummed for attachment to a supporting surface, said tab being foldable upon

itself and having a central diametrically extending aperture at the fold thereof, a tongue extending from said tab adjacent the aperture, a bar member pivotally mounted in the fold of said tab and extending across the aperture in said tab, a paper clip projecting through said aperture and secured to said bar, said tongue being wrapped around the under surface of the upper portion of said paper clip whereby said clip is free to revolve through an angle of substantially 180° with respect to a supporting surface.

In testimony whereof I affix my signature.

ALBERT B. RANDALL.