Dec. 17, 1935. P. L. ANDREWS 2,024,417

SUSPENDABLE ENVELOPE

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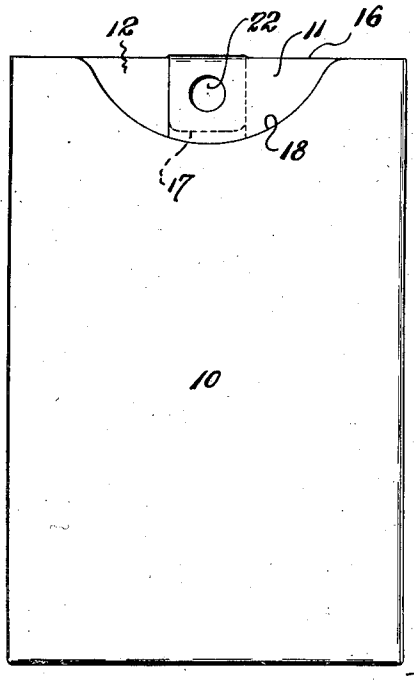


Fig. 1

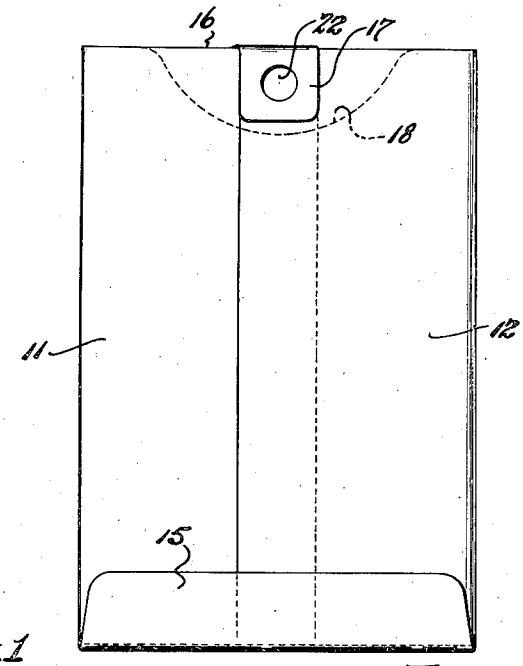


Fig. 2

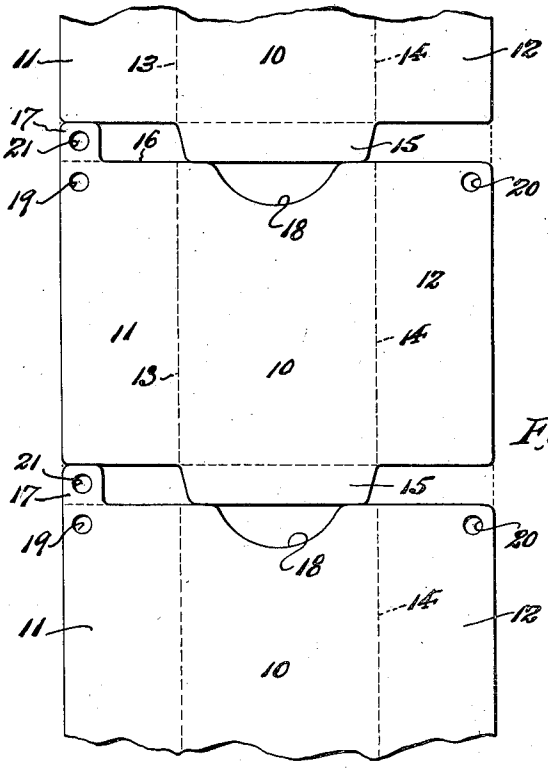


Fig. 4

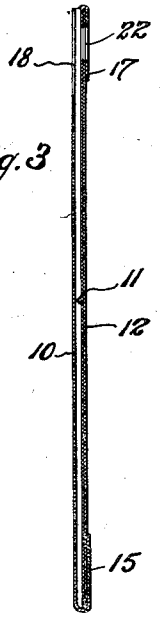


Fig. 3

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SUSPENDABLE ENVELOPE

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Application July 16, 1935, Serial No. 31,586

4 Claims. (Cl. 229—74)

This invention relates to envelopes; and the invention has reference, more particularly, to an improved suspendable envelope.

The invention has for an object to provide an envelope having means for attaching the same in pendant relation to a supporting projection, hook, file pin or other suitable suspending support; a novel means, integral with the envelope material, being provided to reenforce the envelope structure in the vicinity of the suspension opening with which said envelope is provided.

The invention has for another object to provide an open end envelope having its back formed by adhered overlapping laterally infolded sections, and its closed end formed by a bottom flap folded over upon and adhered to the back; one of said infolded sections having, integral with and upwardly projecting from its upper end, a reenforcing tab adapted to be folded over upon and adhered to the outer surface of the back in register with the overlapping back sections at the upper end of the envelope; said overlapping back sections and said tab being punched with perforations aligned together to form a suspension opening when the parts are assembled in the completed envelope structure, whereby a multiply area surrounds the suspension opening so as to reenforce the envelope structure against tearing at the point of suspension thereof.

Another object of the invention is to so form and arrange the reenforcing tab, that it also serves to interlock the overlapped back sections of the envelope at the top or free end of the seam formed thereby, thus preventing opening of the seam at such point.

The invention has for a further object to provide the novel envelope structure above mentioned by such arrangement and relation of the parts, that integral one-piece blanks containing all the parts required for the structure may be cut from sheet material without requiring any extra material or producing additional waste, for the reason that said reenforcing tab is formed from the material which heretofore was cut away and wasted in producing envelopes of the general kind here involved.

Other objects of this invention, not at this time more particularly enumerated, will be understood from the following detailed description of the same.

An illustrative embodiment of this invention is shown in the accompanying drawing, in which:—

Fig. 1 is a front face view of the novel suspendable envelope according to the invention; Fig. 2 is a back face view thereof; Fig. 3 is a central longitudinal vertical section through the same; and Fig. 4 is a plan view showing how successive blanks for the envelope may be cut from sheet material without additional waste.

Similar characters of reference are employed in the hereinabove described views, to indicate corresponding parts.

The accompanying drawing illustrates a preferred embodiment of this invention, wherein the envelope structure comprises a front or face panel 10 integral with and contiguous to the respective vertical sides of which are back sections 11 and 12 of a width somewhat exceeding one-half the width of said face panel 10. Said back sections 11 and 12 are respectively inwardly and laterally foldable on fold lines 13 and 14, see Fig. 4. Integral with and contiguous to the bottom end of said front or face panel 10 is a bottom or end flap 15. Aligned with the free vertical margin of the back section 11, and integrally formed with the latter to project upwardly and outwardly from the top end margin 16 thereof, is a reenforcing tab 17. This tab 17 approximates in vertical dimension the vertical dimension of the bottom or end flap 15, and consequently is cut from sheet material which would otherwise be waste when blanking out said bottom or end flap, as will be understood from an inspection of Fig. 4 of the drawing. It will therefore be obvious that the provision of the reenforcing tab, by reason of its novel arrangement, location and relation to the envelope parts, does not increase the waste incident to the cutting out of the envelope blanks from sheet material, but rather conserves such material, since the useful reenforcing tab is formed from portions of the material which ordinarily would be wasted. The width of the reenforcing tab 17 approximates the width of overlapping of the free vertical marginal portions of the back sections 11 and 12, when the latter are infolded to form the envelope back wall. The upper or top end marginal portion of the envelope front or face panel 10 is provided with an indented cut-out 18, whereby the upper or top end marginal portion of the envelope back wall is exposed from the front of the completed envelope.

After the blanks are died out, the envelope is formed by first infolding the back section 11 and then infolding the back section 12 whereby the vertical marginal portions of the latter overlap the vertical marginal portions of the former, one or both of the meeting faces of said lapping portions being gummed so that these lapping portions are strongly adhered together. Thereafter

the bottom or end flap 15 is upfolded over and upon the back of the envelope as formed by said back sections and is likewise gummed and strongly adhered thereto. When the parts are thus assembled and secured together, the reenforcing tab 17 will upstand from the upper or top end of the envelope back wall in vertical alignment with the lapping portions of the back sections 11 and 12. The rear face of this tab 17 is gummed, and is thereupon downfolded over and upon the exterior face of the envelope back wall, in register with the lapping portions thereof, being thereupon strongly adhered thereto. By this arrangement the said lapping portions and tab form a three-ply and thus strongly reenforced envelope body portion at the upper central marginal portion of the envelope back wall which is exposed through the indented cutout 18 of the front wall or panel 10. The lapping portion of back section 11 is provided with a punched opening 19; the lapping portion of the back section 12 is likewise provided with a punched opening 20; and the tab 17 is also provided with a punched opening 21. These openings 19, 20, and 21 will register together, when the parts are assembled as above described, to thereby provide a suspension opening 22 (see Figs. 1, 2, and 3) located in the three-ply reenforced section of the envelope back wall; the thus reenforced section serving to strengthen the envelope in and around the location of this suspension opening, to avoid risk of tearing away of the envelope when the same is suspended by means of the suspension opening upon a supporting projection, hook, file pin or like support.

The individual punched openings 19, 20, and 21 may be punched out when dieing out the blank, or after the envelope is completely formed, whichever may be most convenient to the manufacturer.

Having now described my invention, I claim:—

1. An envelope, comprising a body formed by a front wall and laterally infolded, overlapped and secured back sections forming a back wall thereof and means to close the bottom end of said body, one of said back sections having a reenforcing tab integral therewith and projecting from its upper end, said tab being down-folded over and secured to said back wall in line with the lapped portions of the back sections forming the latter, to form therewith a multi-ply reenforced area bordering the upper open end of said body, and said reenforced area having a suspension opening punched through the adjoined plies thereof.

2. An envelope, comprising a body formed by a front wall and laterally infolded, overlapped and secured back sections forming a back wall thereof and means to close the bottom end of said body, one of said back sections having a reenforcing tab integral therewith and projecting from its upper end, said tab being down-folded over and secured to said back wall in line with the lapped portions of the back sections forming the latter, to form therewith a multi-ply reenforced area bordering the upper open end of said body, said reenforced area having a suspension opening punched through the adjoined plies thereof, and said front wall having at its upper free end an indented marginal portion to expose said suspension opening from the front of the envelope.

3. An envelope, comprising a body open at its upper end formed by a front wall and laterally infolded, overlapped and secured back sections forming a back wall thereof and a bottom flap springing from the lower end of said front wall and upfolded over upon and secured to the exterior of said back wall to close the lower end of the envelope body, one of said back sections having a reenforcing tab integral therewith and projecting from its upper end, said tab being down-folded over and secured to said back wall in line with the lapped portions of the back sections forming the latter, to form therewith a multi-ply reenforced area in the envelope back wall adjacent to the open end of said envelope body, and said reenforced area having a suspension opening punched through the adjoined plies thereof.

4. An envelope, comprising a body open at its upper end formed by a front wall and laterally infolded, overlapped and secured back sections forming a back wall thereof and a bottom flap springing from the lower end of said front wall and upfolded over upon and secured to the exterior of said back wall to close the lower end of the envelope body, one of said back sections having a reenforcing tab integral therewith and projecting from its upper end, said tab being down-folded over and secured to said back wall in line with the lapped portions of the back sections forming the latter, to form therewith a multi-ply reenforced area in the envelope back wall adjacent to the open end of said envelope body, and said reenforced area having a suspension opening punched through the adjoined plies thereof, and said front wall having at its upper free end an indented marginal cutout through which said suspension opening is exposed from the front of the envelope.

PRESTON L. ANDREWS.