July 20, 1937. H. H. STRAUS 2,087,786

CIGARETTE PAPER BOOKLET

Filed Feb. 4, 1935

Fig. 1.

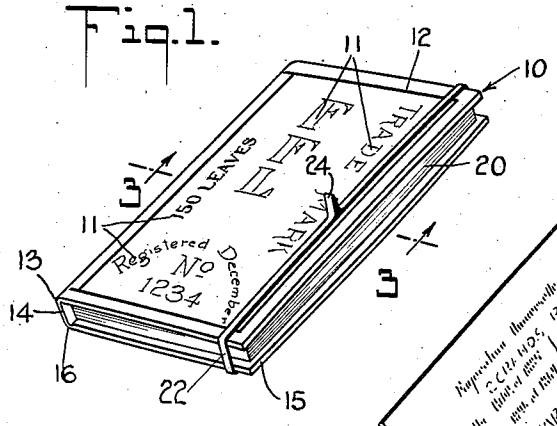


Fig. 2.

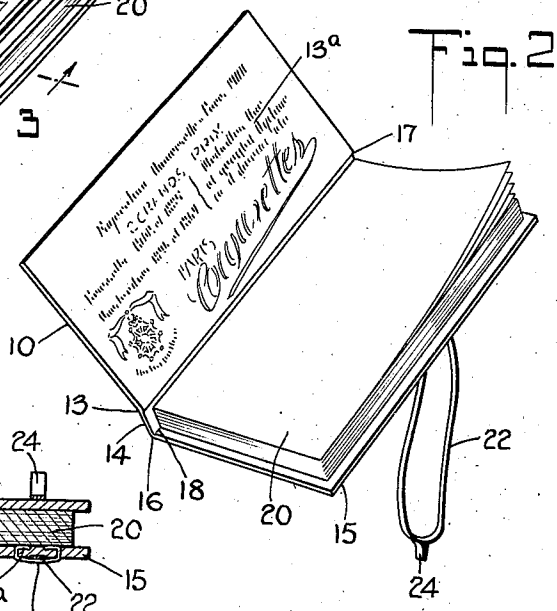


Fig. 3.

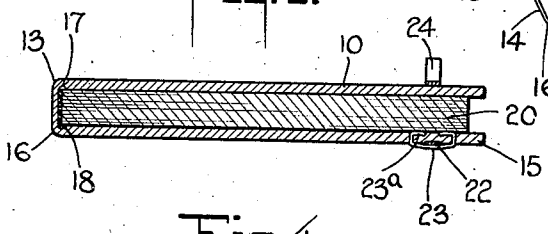


Fig. 4.

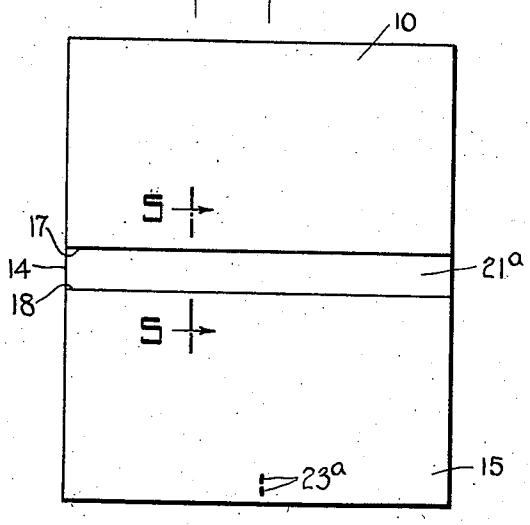
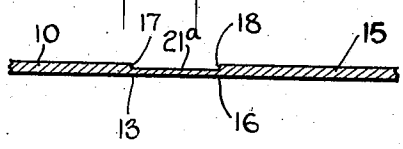


Fig. 5.



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CIGARETTE PAPER BOOKLET

Harry H. Straus, New York, N. Y.

Application February 4, 1935, Serial No. 4,816

1 Claim. (Cl. 206—57)

My invention relates to improved cigarette paper booklets.

Cigarette and other paper books have been manufactured at locations and under conditions of low labor costs of a cover of six or more component parts, comprising inter alia individual blanks or "boards" for the obverse and reverse portions of the cover, a sheet secured to both cover boards spanning the gap between the same serving as the hinge member, a printed finish sheet of paper attached to the outer faces of the obverse and reverse portions of the cover boards, separately printed sheets for the inner faces of the respective obverse and reverse portions of the cover, etc., all of which parts are handled and applied manually.

Such constituency of individual items and necessarily manually assembled, prohibits manufacture under conditions of high labor costs, and further the appearance of the product is critically subject to the human equation.

Mechanically, the above referred to booklet is provided with a band of elastic, i. e., strands of rubber enclosed in fabric, the ends of the elastic being tied in a knot or equivalent, the elastic passing through a perforation in one cover, and attempt made, but not successfully and at least clumsily carried out in commercial practice, to conceal such knot by applying the above stated printed sheet applied to the inner face of the cover board to which the elastic was attached.

Pursuant to my invention, the cover is a single entity, that is, a blank inclusive of obverse and reverse cover portions, backbone, and the indicia of brand, trade-mark, and other trade data printed upon the opposing faces of the blank, the backbone being formed by milling the blank at its inner face substantially centrally of the blank, to provide the desired hinged action of the thus formed obverse and reverse cover portions and to effect a pocket-like formation for the reception of the bloc of leaves of cigarette paper, the closure means being in the form of an endless band of rubber anchored by a staple to a cover portion; the ends of the staple being submerged and concealed within the material of the blank.

Further features and objects of the invention may be more fully understood from the following detail description and the accompanying drawing, in which

Fig. 1 is a perspective view of an improved cigarette paper booklet embodying my invention, the same being shown in its closed position, effected by its resilient closing means, illustrated in the form of an anchored band of rubber having a manipulating piece.

Fig. 2 is a perspective view of the booklet of Fig. 1, shown in an open position preparatory for dispensing a single leaf at a time.

Fig. 3 is a sectional elevation on line 3—3 of Fig. 1, on a somewhat enlarged scale.

Fig. 4 is a plan view of a preferred form of cover of the booklet.

Fig. 5 is a detail sectional view on line 5—5 of Fig. 4, on an enlarged scale.

Referring to the preferred form of the invention shown in the drawing, the cover 10 is preferably formed of relatively heavy stock, advantageously paper stock, bearing on its exterior printed or like indicia indicated at 11, such as the brand of the cigarette paper, name and address of manufacturer or distributor, advertising information, etc. Preferably, also, the background of the exterior of the cover 10 is colored by a printing or like medium, inclusive of an appropriate outline, diagram, etc. indicated at 12. Such outline 12 is usually arranged in symmetrical relation to the edges of the cover and in particular to the margin 13 of the front or obverse portion of the cover with its backbone 14, and correspondingly for the reverse portion of the cover by milling at the inner face 21a of the stock to effect the relatively relief marginal edges 13, 16. Any desired printing 13a may be applied to the inner face of either or both of the obverse and reverse cover portions. By such milling, corresponding indentations, see 17, 18, are produced on the inner face of the stock, a vital feature resulting in partially breaking down the structure of the relatively thick paper or like stock to provide the hinge action thereat, see Figs. 2 and 3, and to effect a pocket-like formation for receiving and retaining at one edge the bloc or stack of cigarette paper.

An advantageous procedure in manufacture is had by effecting milling at the face 21a concomitantly with the printing, see Figs. 4 and 5, thus attaining the stated operations at a substantially single stage of treatment and from a single blank of stock, thereby appreciably reducing the cost of manufacture, inclusive of costs of material and labor. The procedure is also advantageous in insuring commercially perfect register of the applied printing and outline of the parts.

By such indentations 17, 18, spaced from one another to provide the desired dimension of the backbone 14, the material of the stock intermediate the stated indentations is preserved in substantially its original stiffness or strength, as

well as maintaining its flat face between the edges 17, 18, whereby upon applying the adhesive 19 at the inner edge of the bloc 20 of the superposed individual leaves of cigarette paper and/or upon the inner face 21*a* of the backbone, such adhesive serves jointly to individually and combinedly impart sufficient permanence to maintain the bloc as a whole within the cover and at the same time to permit any leaf to be manually removed singly from the bloc without disturbance of the remaining leaves.

Inexpensive and readily operable closure means for the booklet, is highly desirable, in view of the friability of leaves of cigarette paper and the essential of preserving each leaf in flat status, effective as the bloc or stack is gradually dispensed, such closure means being advantageously in the form of a rubber band 22, suitably anchored, say to the outer face of the reverse cover portion 15, preferably by a wire staple 23, the band having a finger piece 24 integral with the band, and the band anchored at a location in opposition to its finger piece portion. A wire or like mechanically applied staple insures certainty of anchorage without rupture of the rubber band, and the further especial advantage that the ends 23*a*, 23*a*, see Figs. 3 and 4, are submerged within the inner face of the stock, eliminating the danger of abrasion or cutting of the fingers of the user while handling and dispensing the individual leaves, and gains neatness of appearance.

Notches at the lateral edges of the obverse and/or reverse portions of the cover may be provided to hold the band 22 in closing position.

It will be observed that as the leaves are dispensed, accompanied by consequent reduction of the thickness of the stack, the hinge-like scores 17, 18 function to compensate for such reduction and maintain the book-like appearance of the cover and its contents. The inner face 21*a* which has been subjected to milling may be colored identical with the background color of the inner faces of the obverse and reverse covers of the booklet, as by manually applying such color in the form of ink or the like; the coloring of the inner face 21*a* may also be attained by incorporating color in a suitable adhesive and the adhesive applied to the inner face 21*a* of the backbone to serve jointly for retaining the bloc of cigarette paper leaves.

As appears from the drawing, and as is apparent from the preceding disclosure of my invention, each sheet of cigarette paper is cut "squared" at its opposite edges. Also, as appears from the drawing and as is apparent from the preceding disclosure of my invention, the backbone portion of the cover, when the "squared" cut leaves are adhesively assembled thereto, is positioned substantially "squared" relative to the obverse and reverse cover portions, the scored portions of the cover, defining the backbone portion relative to the respective obverse and reverse cover portions, extending outwardly relative to the "squared" face of the backbone portion of the thus assembled cigarette booklet.

From the above, it appears that my method of manufacture entails minimum costs of material and labor, and results in a product of improved operability and insured attractive appearance.

I claim:

A paper booklet comprising an outer cover of substantially integral material extending from the obverse to the reverse portions of the cover, the material being reduced in thickness transversely to define a relatively flexible backbone and the obverse and reverse portions of the cover, and a stack of superposed individual "squared" cut leaves of paper positioned in adjacent relation to the inner face of the backbone portion, and adhesive means applied to the inner face of the backbone portion and to the juxtaposed "squared" face of the stack of said superposed individual leaves jointly retaining said superposed individual leaves as a stack and said leaves individually to the backbone portion, while permitting a leaf to be withdrawn from the stack without disturbance of the remaining leaves of the stack, whereby the detachment or removal of the top leaves seriatum permits a narrowing of the backbone by flexing the backbone portion laterally over the leaves.

HARRY H. STRAUS.