

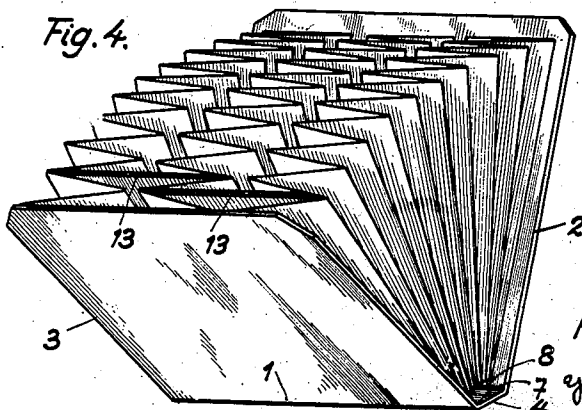
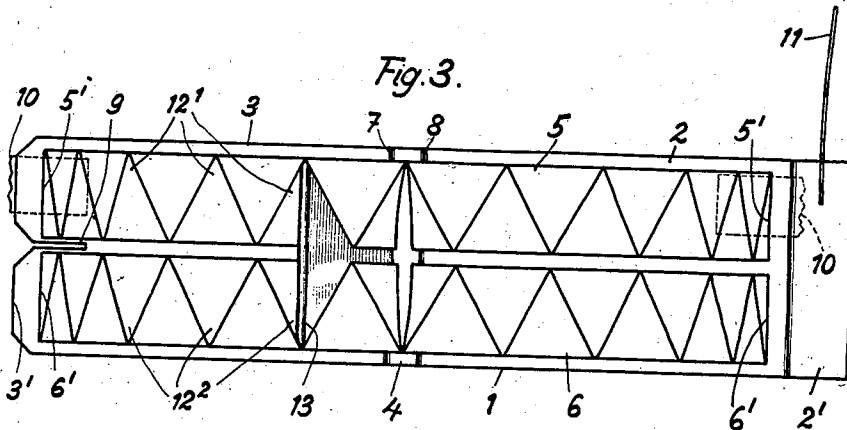
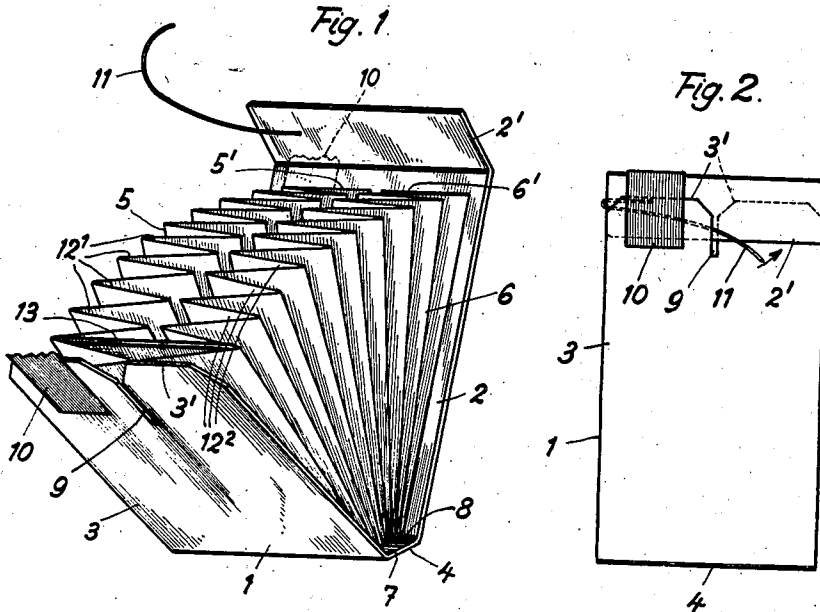
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PACKING OF RAZOR BLADES

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PACKING OF RAZOR BLADES

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4 Claims. (Cl. 206—46)

The present invention relates to the packing of razor blades.

The invention consists in a paper case comprising two covers connected to each other like a book by a stiff back and two extensible side walls folded like the folds of bellows, every pair of said folds facing each other forming a separate pocket. The whole arrangement is such that the case may be opened like a fan and closed by a cooperation of the two covers.

In the annexed drawing two preferred embodiments of the subject of the invention are shown as examples. Therein is:

Fig. 1 a perspective view of a first embodiment,

Fig. 2 a corresponding front view and

Fig. 3 a plan view in the out-spread condition.

Fig. 4 is a perspective view of a second embodiment.

According to Figs. 1 to 3, the paper case comprises a piece of card board folded at 7 and 8 like a book with two stiff covers 2 and 3 and a stiff back 4. The covers are connected by side walls 5 and 6 made of easily foldable material, preferably waxed paper, having their ends 5', 6' glued fast to the respective covers 2 and 3.

Cover 2 is extended with its free edge 2' over cover 3 and is folded to overlap this cover and to be inserted into a slit 9 arranged perpendicularly to edge 3' of cover 3.

As closing means a label 10 is pasted in the closed position of the case over the overlapping ends of two covers so that the end 2' is held inserted into slit 9 and the closing of the paper case is secured. A ripping string 11 is attached with its end to the edge 2' which, as is shown in Fig. 2, is passed under the label and through slit 9 and projects in the closed condition of the paper case to the outside, so that by pulling this end the label will be torn and the packing be ready for being opened.

The opening of the packing may be effected by pulling the thread 11 in the direction of the arrow in Fig. 2, whereupon the folded walls 5 and 6 can be unfolded like a fan. Every two folds of the two walls facing each other constitute small pockets 12¹, 12² which are open at the top to receive the blades 13 and have side walls supporting each other while the stiff back 4 holds the folds together at the bottom.

This arrangement of the single pockets facilitates a rapid wrapping up of the blades, because the pockets open automatically when the paper case covers are opened. The blades may then simply and easily be introduced. Since the

pockets are made of waxed paper the blades need no particular wrapping.

The edges of slit 9 are somewhat bevelled off to facilitate the inserting of the end 2' of the cover.

The advantage of the described packing is that the blades may easily and quickly be inserted and removed and that, when the packing has been folded together, they are protected against the admittance of dust, without needing to have each blade wrapped up in a separate protecting wrapping. Besides the wrapping according to the invention is cheaply manufactured since it consists only in three pieces of cheap stuff which is composed in the most simple manner.

The embodiment according to Fig. 4 shows two juxtaposed rows of separate pockets being separated by a third row connecting the two covers.

Hitherto razor blades were sold mostly in a trifold wrapper. For the first the blade was laid into an envelope lined with paraffine and both together were put into a paper wrapper. In this state every 5 or 10 wrappers were inserted into a separate paste board box. In addition there was besides a transparent Celluloid wrapper. For each of the said operations have been constructed yet expensive machines packing 60 blades in a minute. The packing according to the invention fills the same purpose, since it unites three of the hitherto used packing operations to one. The fourth operation was at any rate superfluous. The new packing does away with the mentioned expensive machines because the three first packing operations may be executed by hand in the same short lapse of time.

A decisive advantage of the new packing is also that the weight of such a packing is considerably reduced, so that transport costs and custom duties are greatly reduced.

What I claim is:

1. A case for razor blades comprising a backing sheet of stiff material folded on itself to form a front and a back wall of the case, two extensible accordion-like several times folded side walls of flexible paper arranged between said front and back walls, to provide a plurality of plies in each side wall lying substantially in planes parallel to the front and back walls when the case is closed, the first and the last plies of each side wall being secured to said front and said back walls, and each ply extending from an outer side edge of the case to a region substantially intermediate the side edges of the case, the plies of one wall being joined by the folds to an adjacent ply on one face at their inner edges and to the other

adjacent ply on the other face at their outer edges, said side walls being symmetrically folded whereby the joined inner edges of plies of one side wall extend toward the joined inner edges of corresponding plies of the other side wall to form a multiplicity of thin, flat pockets for receiving razor blades, each pocket being formed by two plies of one wall joined by the folds at the outer edges and two corresponding plies of the other side wall joined at their outer edges, and adjacent pockets being joined by the folds at the inner edges of the plies.

2. A case for razor blades comprising a backing sheet of stiff material folded on itself to form a front and a back wall of the case, two strips of flexible material each secured at one end to said front wall and at its other end to said back wall to provide side walls, said strips being folded to extend back and forth between the outer side edges of the front and back walls and the middle thereof in accordion fashion with the folds extending parallel to the outer side edges of said front and back walls, said strip being folded symmetrically whereby the folds in one strip at the middle will be opposite the middle folds in the other strip and the outer folds in one strip will be opposite the outer folds in the other strip, the middle folds of one strip being in close proximity to the middle folds of the other strip whereby a multiplicity of razor blade receiving compartments are formed between pairs of opposite dihedral angles of the two strips, said strips being unconnected between their end portions adjacent compartments being connected by the folds at the middle.

3. A case for razor blades comprising a backing sheet of stiff material folded on itself to form a front and a back wall of the case, a plurality of strips of flexible material each secured at one end to the front wall and at the other end to the back wall, said strips being folded in accordion fashion to provide a plurality of plies each ply being joined at one edge by a fold to the adjacent ply on one face and being joined at the opposite edge by a fold to the adjacent ply on its other face, the width of said plies between their folded edges being slightly less than one-half the width of the razor blades to be received in said case, a pair of said strips being secured at their ends to

the front and back walls with the folded edges of one strip parallel to those of the other and perpendicular to the fold in the backing sheet, the strips of said pair being symmetrical and positioned with the folded edges of the plies of one strip adjacent the corresponding edges of the plies of the other strip, the dihedral angles formed at the remote folded edges of the pair of strips facing each other, and a dihedral angle of one strip forming with the corresponding facing dihedral angle of the other strip of the pair a pocket to receive a razor blade adjacent pockets being joined by the folds at the adjacent folded edges of the two strips.

4. A case for razor blades comprising a backing sheet of stiff material folded on itself to form a front and a back wall of the case, a plurality of strips of flexible material each secured at one end to the front wall and at the other end to the back wall, said strips being folded in accordion fashion to provide a plurality of plies each ply being joined at one edge by a fold to the adjacent ply on one face and being joined at the opposite edge by a fold to the adjacent ply on its other face, the plies of alternate strips which are joined to one wall extending in the same direction and the plies of an intermediate strip joined to said wall extending in the opposite direction whereby adjacent pockets on opposite sides of an intermediate strip overlap, the width of said plies between their folded edges being slightly less than one-half the width of the razor blades to be received in said case, said strips being secured at their ends to the front and back walls with the folded edges of one strip parallel to those of the other strip and perpendicular to the fold in the backing sheet and positioned with their folded edges immediately adjacent the folded edges of an adjacent strip, adjacent strips being symmetrical in that corresponding adjacent and remote folded edges of one strip are opposite those in the other, respectively, the corresponding dihedral angles formed at the remote folded edges of adjacent strips facing each other and forming between them pockets to receive razor blades, one strip cooperating with strips on both sides thereof to form said pockets.

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