April 21, 1964 W. J. LUTWACK 3,129,872

PORTFOLIO MADE OF PAPER

Filed June 1, 1962

Fig. 1.

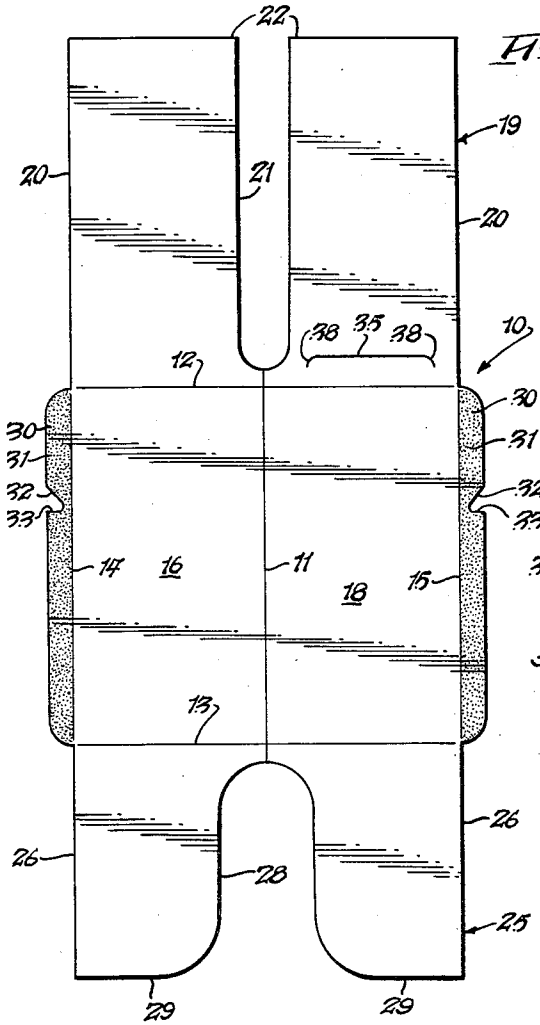
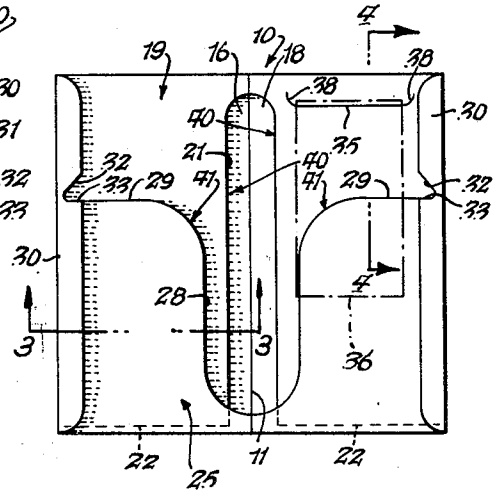


Fig. 2.



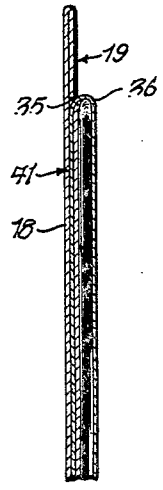
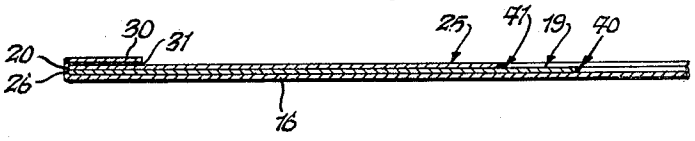


Fig. 4.

Fig. 3.



INVENTOR.
Wilton J. Lutwack
BY
Popp and Sommer
Attorneys.

United States Patent Office 3,129,872 Patented Apr. 21, 1964

3,129,872

PORTFOLIO MADE OF PAPER

Wilton J. Lutwack, 701 Seneca St., Buffalo, N.Y.

Filed June 1, 1962, Ser. No. 199,413
6 Claims. (Cl. 229—72)

This invention relates to a portfolio for holding papers, pads and the like and more particularly to such a portfolio made of paper so as to be low in cost.

An important object of the present invention is to provide a low cost, lightweight, compact and durable portfolio particularly adapted for commercial use.

Another important object is to provide such a portfolio which not only avoids the likelihood of loss of papers while being carried, but also avoids the danger of the contents being displaced from the pockets when the portfolio is opened and closed in use.

Another important object is to make the portfolio of a single printed diecut sheet of high quality paper having high tear and a burst strength and minimum hygroscopicity and on which can be printed school insignia or advertisements as well as blank forms adapted for use in setting out class schedules and other data.

Another object of the invention is to provide such a portfolio having four large pockets and in which two of these pockets are enclosed at three slides so as to provide a high degree of security for the contents whereas the other two are essetnially secured at only two sides so as to be more readily accessible.

Another object is to provide such a portfolio in which at least the major portion of the edge forming the mouth of each envelope faces the hinge connecting the back and front panels of the portfolio, so that this hinge acts as a barrier against the loss of contents from the pockets when the portfolio is closed.

Another object is to provide such a portfolio which can be made with production printing, laminating, diecutting, scoring, gluing, folding and sealing equipment so as to avoid any substantial amount of hand labor in making the portfolios.

Another object is to provide such a portfolio having parts glued together and in which the glue is applied to one side only of the paper from which the portfolio is made.

Other objects and advantages of the invention will be apparent from the following description and drawings in which:

FIG. 1 is a plan view of the reverse side of a diecut paper blank showing the score lines along which the blank is to be folded and also showing the areas to which glue is applied for sealing the portfolio as a part of the folding;

FIG. 2 is a plan view of a completed portfolio, viewed from the inside thereof;

FIG. 3 is an enlarged fragmentary section taken on line 3—3, FIG. 2;

FIG. 4 is an enlarged fragmentary section taken on line 4—4, FIG. 2.

To provide a low cost portfolio, an important feature of the invention is that it is made from a single sheet **10** of paper which is diecut to form the blank illustrated in FIG. 1 and is also provided with score lines as hereinafter described to facilitate folding the blank into the form of a portfolio. The paper sheet **10** is preferably of high quality paper having high tear and burst strength with minimum hygroscopicity and there can be imprinted thereon any desired ornamentation or useful blanks or data (not shown). The blank sheet **10** has five score lines **11**, **12**, **13**, **14**, and **15** defining the hinged front and rear panels of the portfolio and also flaps which are folded and glued together in such manner as to form the four separate pockets which feature the present invention. The

score line **11** extends throughout the center of the blank and defines with the score lines **12**, **13**, **14** the front panel **16** of the portfolio. This center line **11** with the score lines **12**, **13**, **15** defines the rear panel **18** of the portfolio.

The score line **12** also defines an inner pocket forming flap **19**, the side edges **20** of which form continuations of the score lines **14** and **15** and this inner pocket forming flap having a deep center recess **21** in line with the center score line **11** and extending from the outer end edge **22** of the inner pocket forming flap **19** to a point close to but preferably short of the score line **12**.

The width of the recess **21** is such as to permit ready access to the side edges of this recess, which edges form the mouths of the inner pockets of the completed portfolio and the distance between the score line **12** and the outer end edge **22** of this inner pocket forming flap **19** is slightly less than the length of the cover panels **16** and **18**, that is, the distance from the score line **12** to the score line **13**.

The score line **13** also defines an outer pocket forming flap **25** the side edges **26** of which form continuations of the score lines **14** and **15** and this outer pocket forming flap having a deep center recess **28** in line with the center score line **11** and extending from the outer edge **29** of the outer pocket forming flap **25** to a point close to but preferably short of the score line **13**.

The width of the recess **28** is preferably substantially greater than the width of the recess **21** and the distance between the score line **13** and the outer end edge line **29** of the outer pocket forming flap is substantially less than the corresponding dimension of the pocket forming flap **19**.

Each score line **14**, **15** also defines a narrow flap **30** which preferably extends substantially the full length of these score lines and is provided on the reverse side of the sheet of paper **10** with a layer **31** of glue. Each of these narrow flaps **30** is also preferably notched from its outer longitudinal edge, as indicated at **32**, this notch having one edge **33** which comes into alinement with the outer end edge **29** of the outer pocket forming flap when the portfolio is folded.

Either of the pocket forming flaps **19** or **25** can be provided with a slit **35** used for the insertion of accessory equipment, such as the back of a pad **36**. This slit is shown as being in one side of the inner pocket forming flap **19** close to the fold line **12** and as having rounding edges **38** to retard any action of the supported pad **36** or the like in sawing beyond the end of this slit.

The blank as above described is folded into the portfolio by first folding the inner pocket forming flap **19** along the fold line **12** into face-to-face relation with reverse sides of the panels **16** and **18**. The outer pocket forming flap **25** is then folded along the fold line **13** into face-to-face relation with the inner pocket forming flap **19**. The glued narrow flaps **30** are then folded along the fold lines **14**, **15** into face-to-face relation with both the inner pocket forming flap **19** and the outer pocket forming flap **25** and the layer **31** of glue is adhered thereto.

It will be noted that in completed portfolio the inner pockets **40** formed by the inner pocket forming flap **19** have mouths extending close to and substantially the full length of the hinge of the portfolio, the opposite ends of these mouths being formed by the extremities of the notches **21** and **28** of the inner and outer pocket forming flaps **19** and **25** respectively. It will be noted that any papers in these pockets cannot be lost with the portfolio folded along the hinge line **11** because the hinged portions of the panels **16** and **18** form covers for these mouths. It will further be noted that the pockets **41** formed by the outer pocket forming flap **25** are more readily accessible and hence can be used for more casual purposes.

It will also be seen that a pad **36** or the like can have its back slipped into the slit **35** so that the pad is retained in position, and that with the slit **35** located in the inner pocket forming flap **19** close to the fold line **12** the lower end of this pad can be contained within the corresponding outer pocket **41**.

It will also be seen that the corner of each other pocket **41** formed by the edge **29** is reinforced by the notches **32** which provide a great thickness of paper in this point.

From the foregoing it will be seen that a four pocket, portfolio is made with minimum waste of paper as will be apparent from an inspection of the blank, FIG. 1, while at the same time having four full size pockets, the two inner ones of which are secure in that each has three closed sides and its mouth close to the hinge **11**, while the two outer pockets are more accessible for casual notes, and also protect the pad **36** hung in the slit **35**.

I claim:

1. A portfolio of the character described, comprising

(A) a single sheet of paper folded to provide

(*a*) a first rectangular panel,

(*b*) a second rectangular panel connected to said first rectangular panel by a first fold line forming a hinge,

(B) an inner pocket forming flap forming a continuation of both of these panels in the direction of said hinge line and connected to said panels by a second fold line, said inner pocket forming flap

(1) having a central recess in line with said hinge line extending from the outer end edge thereof to a point close to said second fold line and

(2) being of a length from said outer end edge thereof to said second fold line slightly less than the dimension of said panels lengthwise of their said hinge line,

(C) an outer pocket forming flap forming a continuation of both of said panels in the direction opposite from said inner pocket forming flap and connected to said panels by a third fold line, said outer pocket forming flap

(1) having a central recess in line with said hinge line extending from the outer edge thereof to a point close to said third fold line and

(2) being of a length from its said outer edge to said third fold line substantially less than the said length of said inner pocket forming flap,

(D) a narrow flap forming a continuation of that edge of each panel parallel with said hinge line and connected to said panels by additional fold lines, and

(E) a layer of glue on one face of each of said narrow flaps,

said flaps being folded so that said inner pocket forming flap is in face-to-face relation with said panels and extends substantially to said third fold line; said outer pocket forming flap is in face-to-face relation with said inner pocket forming flap and extends partway to said second fold line, and said narrow flaps are in face-to-face relation with both said inner pocket forming flap and said outer pocket forming flap with said layer of glue adhered thereto thereby to provide a pair of inner pockets extending substantially the full extent of said panels lengthwise of said hinge line and having mouths opening toward said hinge line and a pair of outer pockets having L-shaped mouths opening toward said hinge line and also toward said second fold line, and whereby the fold for said outer pocket forming flap at said third fold line forms an edge closure, integral with said sheet of paper, both for the adjacent end of each of said inner pockets as well as the corresponding end of each of said outer pockets, and whereby said glued narrow flaps form edge closures, integral with said sheet of paper, for both the inner and outer pockets.

2. A portfolio as set forth in claim 1 wherein said second and third fold lines intersect said hinge line whereby the ends of the mouths of said inner pockets are formed by the inner ends of said recesses.

3. A portfolio as set forth in claim 1 wherein the side edges of said pocket forming flaps form substantially linear continuations of said additional fold lines.

4. A portfolio as set forth in claim 1 wherein said inner pocket forming flap is provided adjacent and parallel with said second fold line with a slit adapted to receive one part of an accessory article.

5. A portfolio as set forth in claim 1 wherein each of said narrow flaps is provided with a notch having one edge in register with said outer edge of said outer pocket forming flap.

6. A portfolio as set forth in claim 1 wherein said mouth of each of said inner pocket is close to and generally parallel with said hinge line.

References Cited in the file of this patent

UNITED STATES PATENTS

2,318,278 Arnold ---------- May 4, 1943
2,568,941 Benson ---------- Sept. 25, 1951