United States Patent

[11] 3,620,440

[72] Inventor **Norman J. Humphrey**
17123 Sprenger, East Detroit, Mich. 48021

[21] Appl. No. **46,146**
[22] Filed **June 15, 1970**
[45] Patented **Nov. 16, 1971**

[54] **FOLDER WITH ELASTIC BAND**
5 Claims, 6 Drawing Figs.

[52] **U.S. Cl.** **229/72,** 229/77, 206/DIG. 6, 206/DIG. 20
[51] **Int. Cl.** **B65d 27/08**
[50] **Field of Search** ..... 229/72, 76, 77, 92.5; 206/DIG. 6, 1 A, 66; 24/30 SP, 266, DIG. 16, DIG. 4, 20 EE, 23 EE, 27, 73 R; 150/39, 3, 52 B, 43; 281/46, 48, 50, 34, 35; 40/359

[56] **References Cited**

UNITED STATES PATENTS

2,568,941	9/1951	Benson	229/72
424,411	3/1890	Fielder	229/63
3,288,352	11/1966	Dwork	229/77
850,408	4/1907	Sullivan	206/1 A
954,034	4/1910	Kohout	229/63

FOREIGN PATENTS

1,123,508	8/1968	Great Britain	229/72
361,257	1/1923	Germany	229/77

Primary Examiner—Joseph R. Leclair
Assistant Examiner—Stephen Marcus
Attorney—Harness, Dickey & Pierce

ABSTRACT: The folder has two flaps extending outwardly from a back section disposed at right angles thereto. The back section permits assembly of papers within the folder without undue bulging and provides a support for an elastic band. The band is made from a strip of elastomeric material having its ends secured to a metal clip in T-relation thereto. The clip engages the inside of the back section when the band is drawn through an aperture therethrough to have the clip engage the inner face thereof. The extending band can be drawn over one end of the folder to secure the two flaps and the contents thereof in compact relation.

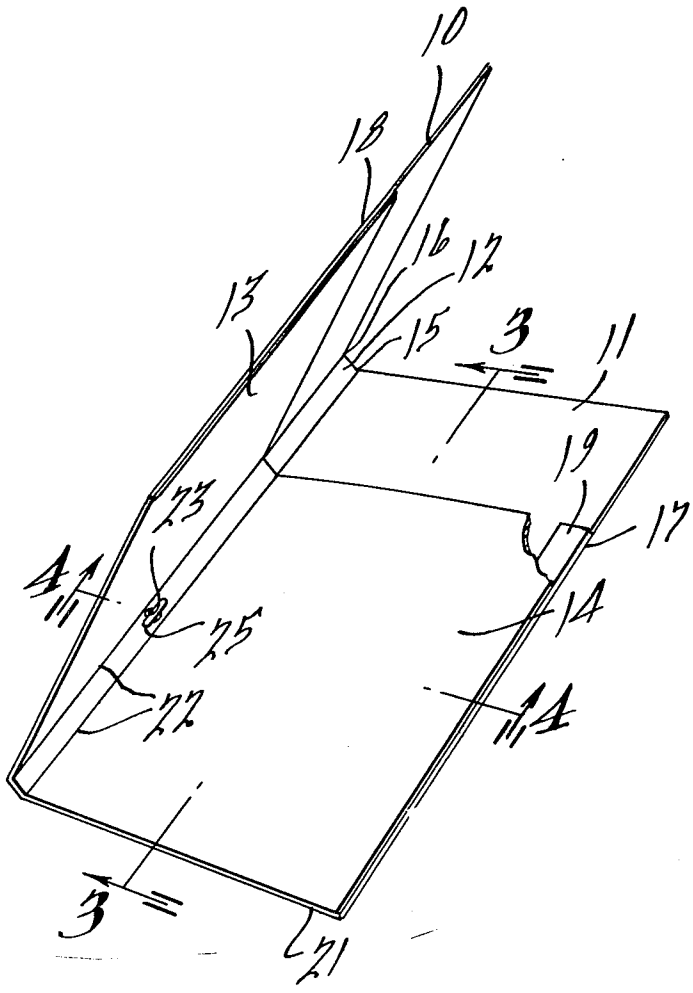


FIG. 1.

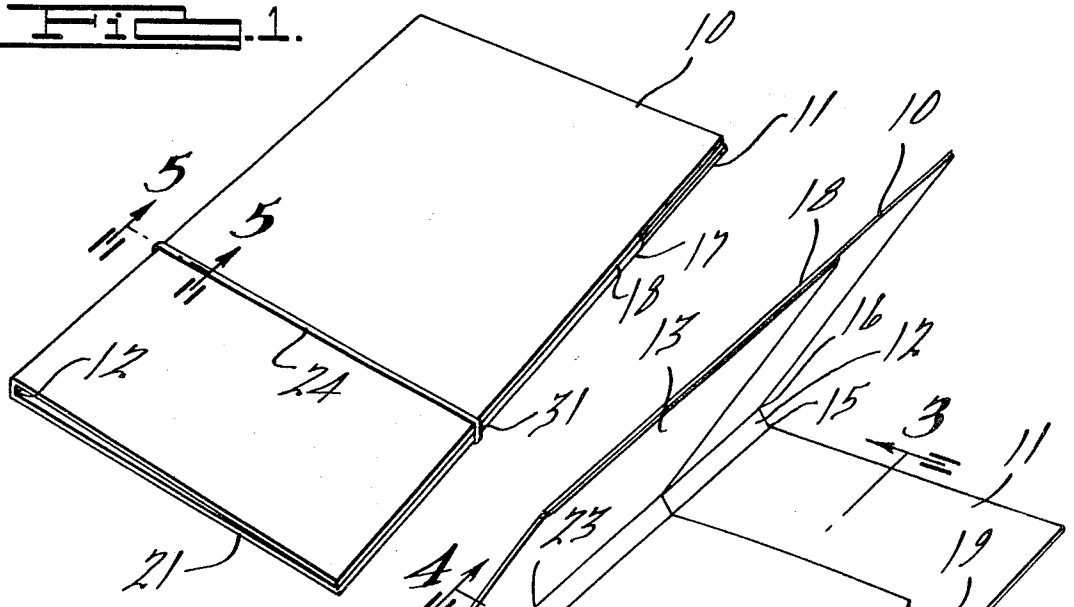


FIG. 3.

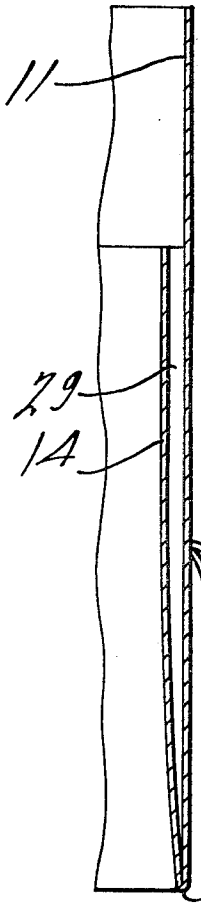
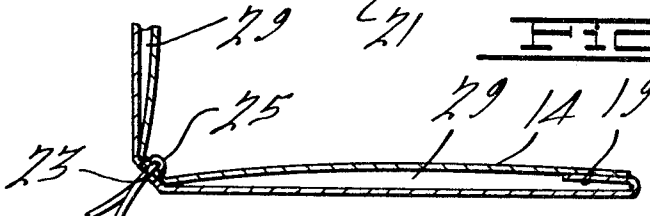


FIG. 2.

FIG. 4.



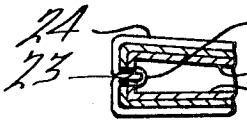


FIG. 5.

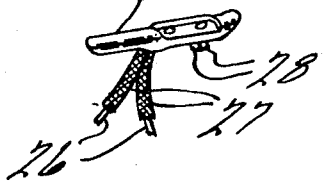


FIG. 6.

INVENTOR.
Norman T. Humphrey
BY
Harness, Dickey & Pierce
ATTORNEYS.

FOLDER WITH ELASTIC BAND

BACKGROUND OF THE INVENTION

Reference may be had to the patent to Norman J. Humphrey, U.S. Pat. No. 2,917,224, issued on Dec. 15, 1959 for "Paper and Coin Container" to show a typical folder.

SUMMARY OF THE INVENTION

The invention pertains to a folder made from heavy paper stock which is die cut, scored and folded to form pockets of various shapes known in the art to be suitable. The center of the sheet is double scored to form a back section from which flaps extend forwardly at right angles thereto in parallel relation to each other. The elastic band is made from a strip of elastomeric material having the ends abutted and secured to a clip which is disposed in substantial T-relationship to the loop portion thereof. The loop portion is threaded through an aperture in the back section from the inside thereof and drawn outwardly until the clip engages the inner face thereof to bridge the aperture. The elastic loop projecting from the back section is of a size to be drawn over one end of the folder to extend therearound for retaining the flaps and contents in compact relationship.

When the folds which form the pocket extend across the center of the sheet, score lines are provided at the center thereof in continuation of the score lines which form the back section. While the aperture may be punched in the back section and pocket fold during the die cutting and scoring of the sheet, the aperture may be punched in the back section and the pocket fold after being folded together. The double wall at the back section provides extra strength for retaining the clip on the inner face thereof.

BRIEF DESCRIPTION OF THE DRAWING

FIG. 1 is a perspective view of a folder with an elastic band thereabout embodying features of the present invention;

FIG. 2 is a broken perspective view of the folder illustrated in FIG. 1, when in open position;

FIG. 3 is an enlarged sectional view of the structure illustrated in FIG. 2, taken on the line 3—3 thereof;

FIG. 4 is an enlarged sectional view of the structure illustrated in FIG. 2, taken on line 4—4 thereof;

FIG. 5 is a broken sectional view of the structure illustrated in FIG. 1, taken on the line 5—5 thereof, and

FIG. 6 is a broken view of the secured end of the elastic band shown in the foregoing Figures.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

The folder embodies a sheet of heavy paper stock or like material which is die cut and scored to have a pair of flaps **10** and **11** which extend outwardly from a back section **12** at substantially right angles thereto when the flaps are moved into adjacent relationship. In the example herein illustrated, the flaps **10** and **11** and back section **12** along with the pocket sections **13** and **14** are stamped from a sheet of heavy paper material and scored along the lines **15** and **16** to permit the flaps **10** and **11** to be folded relative to the back section **12**. Score lines **17** and **18** are provided along the outer edge of the flaps **10** and **11** which permit securing flaps **19** to be bent inwardly against the flaps **10** and **11**. A score line **21** is provided at the bottom edge of the flaps **10** and **11** at the juncture with the pocket sections **13** and **14** and also in the center along the lines **22** to permit the pocket sections **13** and **14** to be folded against the inner face of the flaps **10** and **11** and adherred by

suitable material to the faces of the reversely bent flaps **19**.

An aperture **23** is punched through the back section between the two flaps **10** and **11** and the two pocket sections **13** and **14** through which an elastomeric band **24** is threaded with a securing clip **25** drawn against the inner face of the pocket sections **13** and **14**. The elastomeric band **24**, as illustrated in FIG. **6**, is made from a length **26** of elastomeric material having an elongatable woven cover **27** thereon. The two ends **28** of the band are placed together and secured within a metal channel clip **29** which is clinched thereabout. The clip is in substantially T-relationship to the loop portion **31** extending therefrom. When the loop portion **31** is drawn through the aperture **23**, the clip **25** will bridge the aperture **23** and be drawn against the inner face of either the back section **12** or the like section between the pocket sections **13** and **14**. The loop extends outwardly from the rear side of the back section **12**, as illustrated in FIG. **3**, and after the contents have been placed in the pockets **29** on the flaps **10** and **11** and moved into engagement with each other, the loop **31** is stretched thereover to retain the flaps **10** and **11** in substantially abutted relationship, as illustrated in FIG. **1**. This forms a compact unit which reduces the bulging of the flaps, the accidental separation thereof and the possible loss of the papers contained therein. It is to be understood that various types of pockets may be formed with the flaps **10** and **11** and that such pockets need not extend across the back section. When extending over the back section, the punching of the aperture through both sections provides added strength for retaining the clip **25** on the inner face of the section and prevents the enlargement or tearing of the aperture.

By employing the back section in the folder the aperture therethrough is spaced from the score line and provides maximum strength for holding the clip against the inner face thereof. If a single score line were provided between the flaps and the back section eliminated, the center of the aperture would fall upon the score line and the holding force thereof would be substantially weakened.

I claim:

1. In a folder, a sheet of material die cut and scored to provide a pair of flaps extending from a back section which is disposed at right angle thereto when the flaps are folded into adjacent position, pocket means on the inside of said flaps, and an elastic band made from a length of elastomeric material having the ends provided with securing means to form a loop, said back section having an aperture through which the loop of the band is drawn to have the securing means abut the inner face of the back section.

2. In a folder as recited in claim **1**, wherein the pocket means extends across the back section with an aperture therethrough aligned with the aperture in the back section to provide a double thickness of material at the apertures for holding the securing means.

3. In a folder as recited in claim **1**, wherein a metal clip secures the adjacent ends of the elastomeric material together and is positioned relative thereto as to span the aperture in the back section when securing the loop in extended position from the rear face thereof.

4. In a folder as recited in claim **1**, wherein the pocket means is formed from an extension of the flaps which is reversely folded into engagement therewith and secured at the outer ends to the outer ends of the flaps.

5. In a folder as recited in claim **4**, wherein sections are folded inwardly from the outer edges of the flaps to which the outer edges of the pocket means are adherred.

* * * * *