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G. MARKUS ET AL
HEAT SEALED GUSSET POCKET

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Fig. 1.

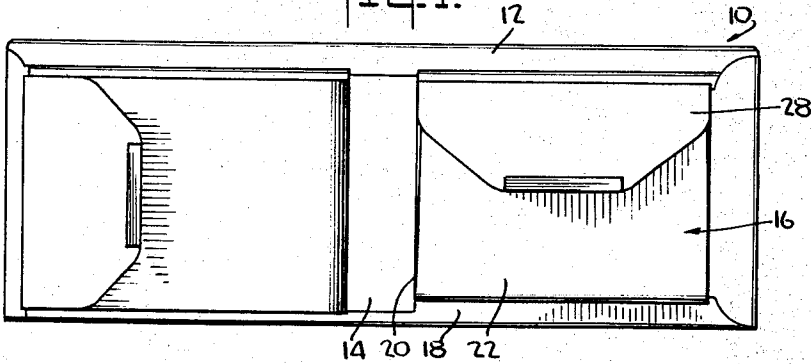


Fig. 2.

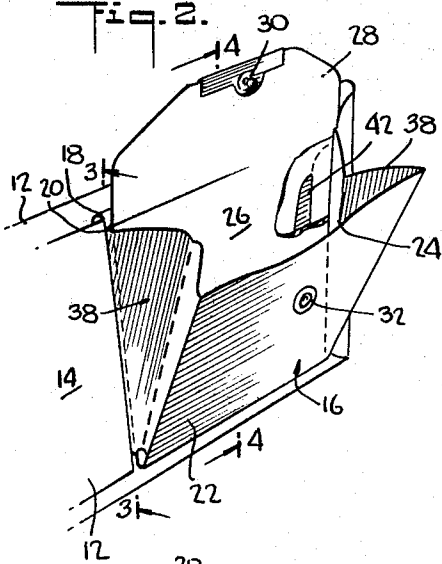


Fig. 3.

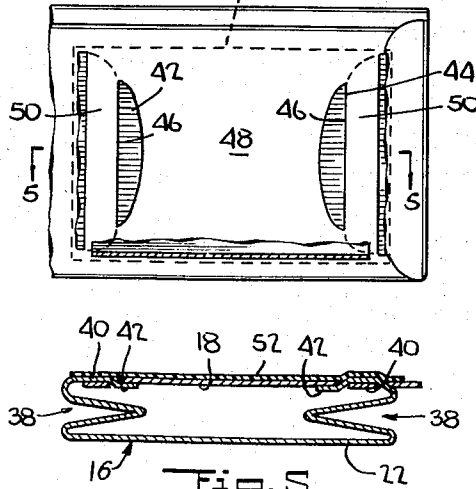


Fig. 4.

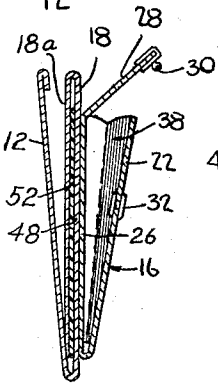


Fig. 5.

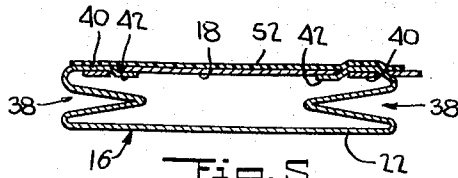
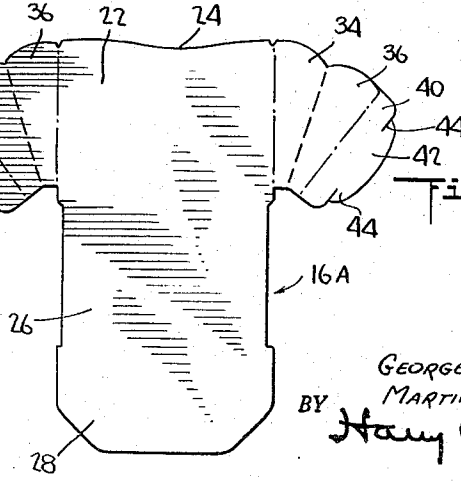


Fig. 6.



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HEAT SEALED GUSSET POCKET

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6 Claims. (Cl. 150—38)

This invention relates to gusset pocket constructions and while useful for other purposes is especially well adapted for use as an auxiliary gusset pocket of a wallet or bill fold.

Heretofore auxiliary gusset pockets of wallets or bill folds, whether made of leather, cloth, plastic, or plastic coated paper or other sheet material, were attached to one of the main walls of the bill fold in such a way that stitching was required for at least part of the securement of the pocket to said wall of the bill fold, and in addition to the stitching, cementing or other securing means was required or usually employed.

Pursuant to the present invention and in accordance with the primary object thereof, stitching for securing the auxiliary pocket to the wall of the bill fold is eliminated and a durable and secure attachment of the pocket to the wall of the bill fold is accomplished in a very simple way. More particularly, in accordance with the present invention the auxiliary pocket including a releasable closure member is effectively attached to one of the walls of the bill fold mainly by being heat sealed thereto, and preferably the attachment also includes parts on the pocket and on the wall of the bill fold which are interlocked with each other for improving the secure fastening of the pocket in position.

The above and other objects, features and advantages of this invention will be more fully understood from the following description considered in connection with the accompanying drawings which are to be considered illustrative of the invention but not in limitation thereof.

In the drawings:

Fig. 1 is a plan view of the inner side of a foldable wallet or bill fold;

Fig. 2 is a perspective view of part of the bill fold showing the gusset pocket in open and expanded condition;

Fig. 3 is an inner view of the pocket as observed from the line 3—3 of Fig. 2;

Fig. 4 is a sectional view on the line 4—4 of Fig. 2;

Fig. 5 is a sectional view on the line 5—5 of Fig. 3; and

Fig. 6 is a plan view of a die cut blank of the pocket, in flat condition before it is attached to the bill fold.

Referring now to the drawings in detail, the bill fold 10 may be of any usual or conventional construction and includes the main bill compartment defined by an outer wall 12 and an inner wall 14. The auxiliary gusset pocket is indicated at 16. This pocket is formed from the blank 16A illustrated in Fig. 6 and is secured to the portion 18 of the inner wall 14 which is provided with the downward extension 18a for forming an auxiliary pocket with an end opening 20 in a well known way, not forming part of the present invention.

The wall 14, including portion 18, is made of vinyl sheet plastic material or of cloth or paper having on one surface thereof a coating of vinyl plastic or other heat sealable material. The vinyl surface of part 18 of inner wall 14 is the exterior surface and vinyl surface of the gusset pocket is also the exterior surface thereof

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so that the two surfaces may be heat sealed to each other, which would not be possible if cloth or paper coated with vinyl plastic on only one surface thereof is utilized and an attempt were made to heat seal the uncoated surface of the gusset pocket to the vinyl or uncoated surface of the inner wall of the wallet.

As illustrated in Fig. 6, the blank 16A for forming the gusset pocket comprises the main pocket forming part 22 having the edge 24 which forms the top edge of the front wall of the pocket, and an integral part 26 which forms the back wall of the pocket and which has an integral extension 28 which forms a foldable closure member for the pocket, said closure member 28 and the front wall 22 of the pocket being preferably provided with companion releasable fasteners, here shown as snap fasteners 30 and 32 for releasably securing said closure member 28 in closed position. The blank 16A is provided with the foldable parts 34, 36 at each side edge of the blank to provide the gussets indicated at 38, as best shown in Figs. 2 and 5. Said blank 16A is also provided with the integral end parts 40 which have tongue extensions 42 with end slits 44. It will be understood that the blank 16A is formed in one integral piece, being died out in the outline illustrated by Fig. 6, or in any other suitable outline according to variations which may be made in the details in the form and construction pursuant to the present invention. The wall portion 18 is provided with slits 46 through which the extension 42 extends in overlapping relation to the wall portion 18, the slits 44 providing for the interlock of the extensions 42 with the adjacent parts of the wall portion 18 at the slits 46 as will be readily understood. It will be noted that the vinyl coated surface of the interlocking extensions 42 of the pocket 16 are in face to face relation with the vinyl coated surface of the wall portion 18 so that said extensions may be heat sealed to the adjacent parts of wall portion 18. Similarly the vinyl coated surface of part 26 of the pocket is in face to face relation to the vinyl coated surface of wall portion 18 and therefore may be heat sealed to said wall portion. The heat sealing of said parts of the pocket 16 to wall portion 18 is performed in one operation resulting in the securement of end extensions 42 and part 26 of the blank 16A to the wall portion 18, said part 26 being sealed to the main part 48 of wall portion 18 which extends between the slits 46 and also to the portions 50 of wall portion 18 at the opposite sides of said slits. The manner in which the heat sealing operation is accomplished is believed to be obvious to those skilled in the art, but it may be noted that the operation is performed while the blank for the main walls 12 and 14 are in flat unfolded condition and that a metal plate forming one electrode of the electronic heat sealing apparatus is inserted within the pocket after the tabs or extensions 42 are inserted through the slits 46 of wall portion 18, said electrode forming plate conforming to the outline of the pocket 16 as thus attached by the interlocking tabs 42 to the wall portion 18, and the opposite side of the flat blank which provides the walls 12 and 14 is positioned within the shallow metal tray which constitutes the other electrode of the electronic heat sealing machine. It will be understood, however, that the art of heat sealing is well understood and the specific heat sealing operation employed for attaching the pocket 16 to the wall portion 18 of the wallet is obvious to those skilled in the art and therefore does not require any detailed description, as it does not per se form part of the present invention apart from the construction of the pocket 16 to enable the heat sealing operation to be performed.

If desired, the securement of the pocket 16 to the wall portion 18 may be reinforced by heat sealing a backing layer 52 of vinyl plastic sheet material at the inner sur-

face of wall 14, i.e., to the vinyl coated surfaces of end portions 40 which are disposed outwardly of the slits 46.

While we have shown and described the presently preferred embodiment of our invention, it will be understood that the invention may be embodied otherwise than has herein been specifically illustrated and described, and that in the form of the invention herein illustrated certain changes in the details of construction and in the arrangement of parts may be made and will occur to those skilled in the art in view of the present disclosure. Accordingly, we do not wish to be limited to the form of the invention herein specifically described except to the extent which may be required by the scope of the appended claims.

What we claim is:

1. In a wallet, bill fold or the like having a compartment which includes a wall member provided with spaced slits and having a surface of heat sealable material, a pocket member having a front wall and end portions projecting through said slits and overlapping said wall member adjacent said slits, and means heat sealed to said heat sealable material of said wall member in position over said end portions.

2. In a wallet, bill fold or the like having a compartment which includes a wall member provided with spaced slits and having a surface of heat sealable material, a pocket member mounted on said surface and having intumed end portions projecting through said slits and provided with surfaces of heat sealable material, and said surfaces of heat sealable material of said end portions confronting the heat sealable material of said wall member, and a part attached to said front wall and having a part disposed within said pocket and heat sealed to said wall member in position over said end portions.

3. In a wallet, bill fold or the like having a compartment which includes a wall member provided with spaced slits and having an outer surface of heat sealable material, a pocket mounted on said outer surface and having intumed end portions projecting through said slits and provided with surfaces of heat sealable material confronting the heat sealable material of said wall member, and means forming an integral part of said pocket member heat sealed to said wall member in position over said end portions for securing them in position, said pocket having a front wall, and integral gussets at the opposite ends thereof and disposed between said intumed end portions and the adjacent ends, respectively,

of said front wall, said integral part of said pocket member being disposed at the inner side of said front wall.

4. In a wallet, bill fold or the like having a compartment which includes a wall member provided with spaced slits and having an outer surface of heat sealable material, a pocket mounted on said outer surface and having end gussets provided with intumed end portions projecting through said slits, said intumed portions overlapping the surfaces of said wall member adjacent said slits at both sides of the wall member, and heat sealed means at both sides of said wall member for securing said intumed end portions in position in said slits.

5. In a wallet, bill fold or the like having a compartment which includes a wall member provided with spaced slits and having a surface of heat sealable material, and a pocket having intumed end portions projecting through said slits and provided with surfaces of heat sealable material overlapping said heat sealable material of said wall member, said pocket having a front wall, and said surfaces of heat sealable material of said end portions being heat sealed to said wall member in the area between said slits.

6. In a wallet, bill fold or the like having a compartment which includes a wall member provided with spaced slits and having a surface of heat sealable material, a pocket mounted on said outer surface and having intumed end portions projecting through said slits and provided with surfaces of heat sealable material overlapping said wall member, said pocket having a front wall, said intumed end portions having end slits in which portions of said wall member are engaged in interlocking relation with said intumed end portions, and a part integral with said front wall and folded inwardly within said pocket and heat sealed to said wall member in position over said end portions for securing them in said position in the pocket, said pocket having integral gussets at the opposite ends thereof and disposed between said intumed end portions and the adjacent ends, respectively, of said front wall.

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