July 28, 1936. A. C. STRAYER 2,049,337

STORAGE FILE

Filed March 28, 1936 3 Sheets-Sheet 1

Fig. 1

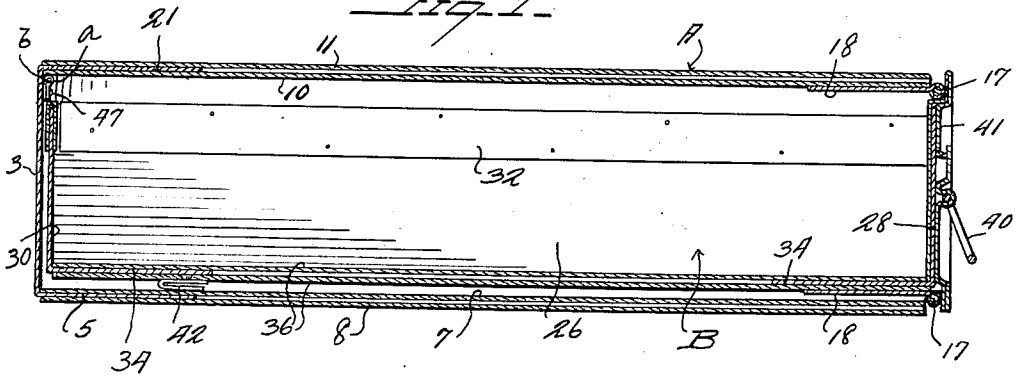


Fig. 2

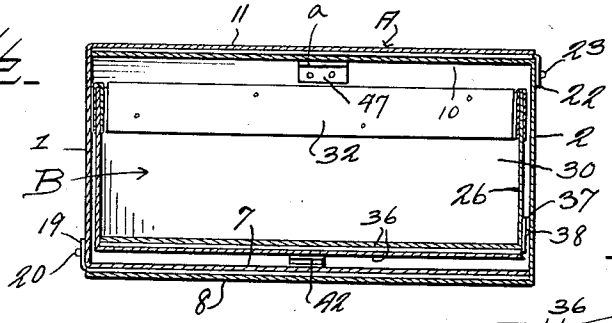


Fig. 3

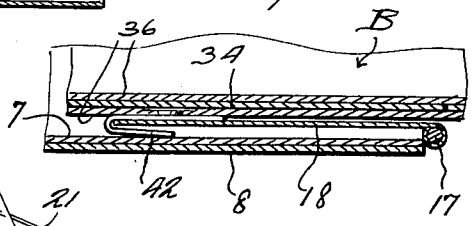


Fig. 4

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Fig. 5.

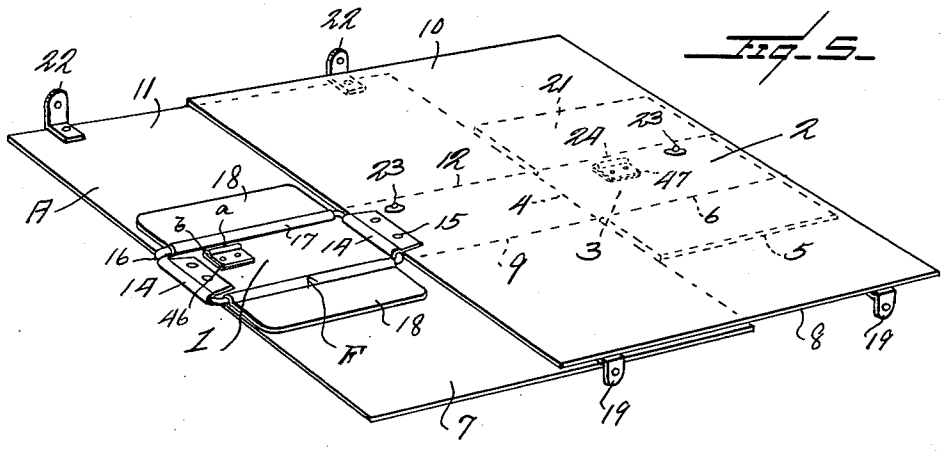


Fig. 6.

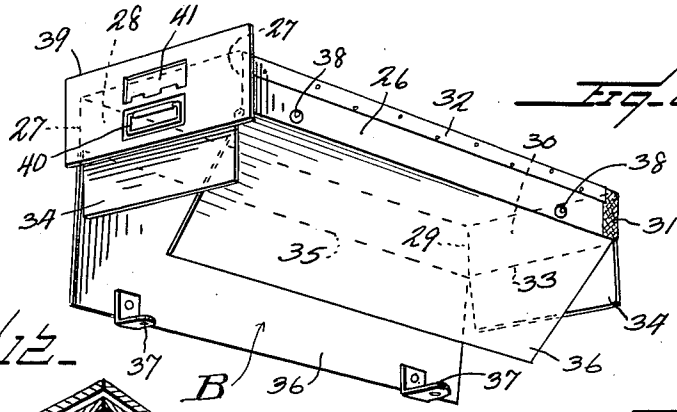


Fig. 12.

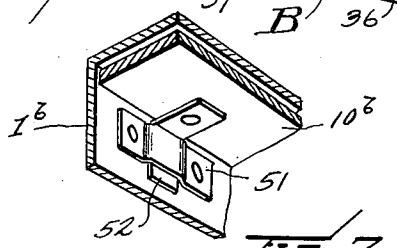


Fig. 11.

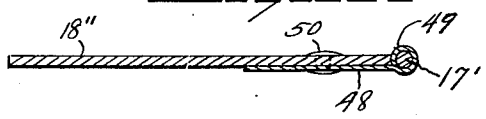
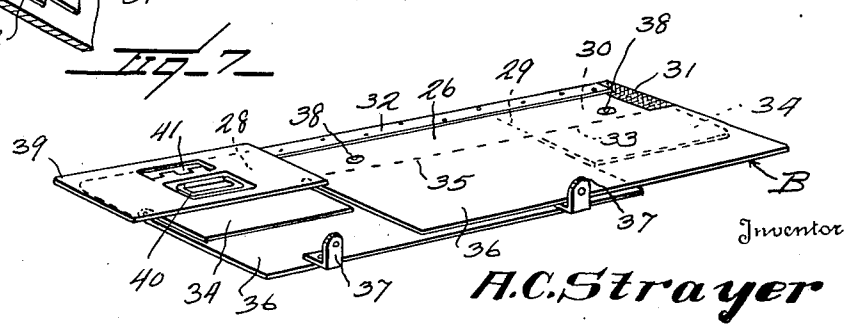


Fig. 7.



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Fig. 8

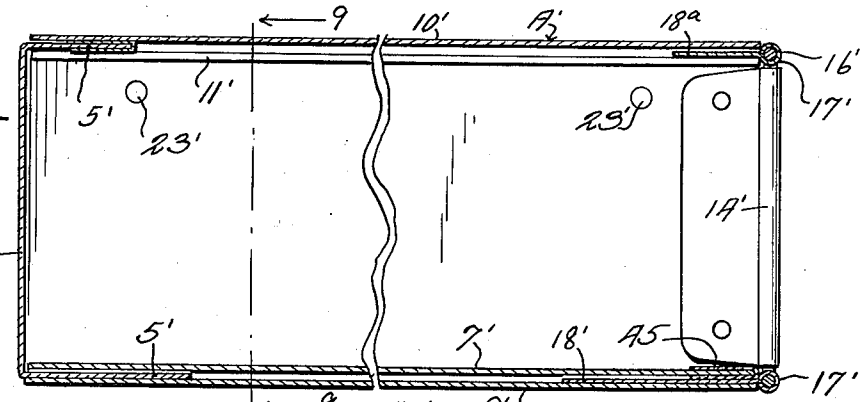


Fig. 9

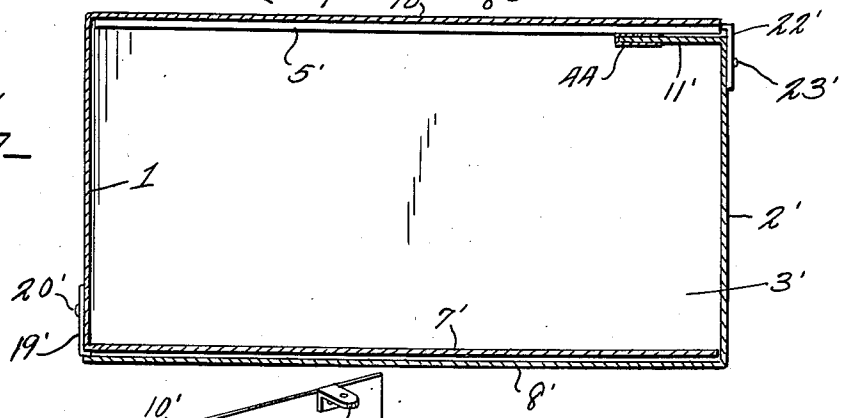
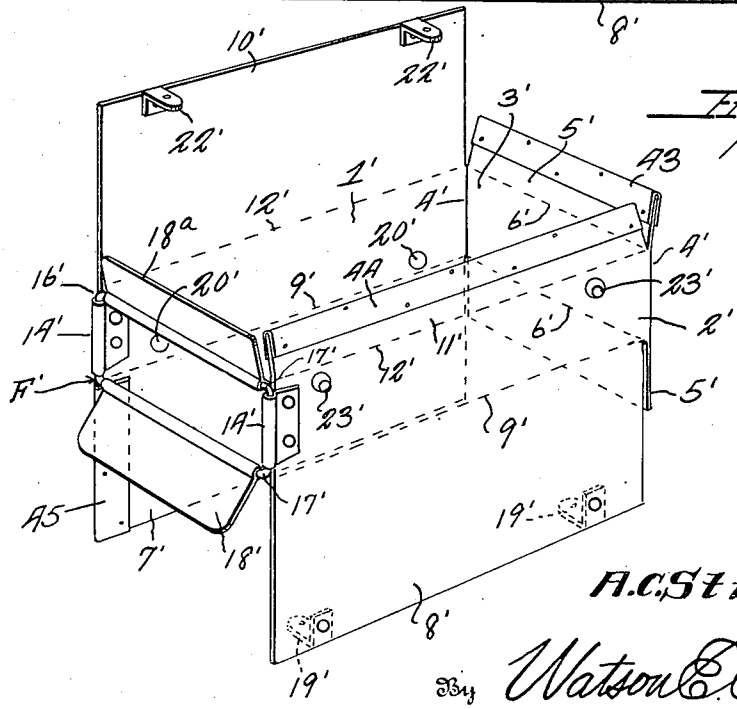


Fig. 10



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Patented July 28, 1936 2,049,337

UNITED STATES PATENT OFFICE

2,049,337

STORAGE FILE

Arthur Clare Strayer, New Brighton, Pa.

Application March 28, 1936, Serial No. 71,508

12 Claims. (Cl. 45—2)

This invention relates to a storage file and has relation more particularly to a file of a collapsible type, and it is primarily an object of the invention to provide a structure embodying a shell comprising a plurality of permanently connected flaps constructed and arranged to permit the shell to be readily extended into working adjustment or collapsed as desired and which shell in its structure includes a metal throat to strengthen the shell and to permit the advantageous use of a sliding drawer in connection with the shell.

The invention also has for an object to provide a file structure comprising a shell and an associated sliding drawer, the walls of the shell and drawer being preferably of a paper stock, the shell having associated therewith a metal throat to strenthen the same and to facilitate the coaction of the drawer with the shell, the shell having a readily opening top wall to permit access to the drawer encased or housed within the shell.

A still further object of the invention is to provide a storage file comprising a shell and a slidable drawer working therein, the shell being provided with a reinforcing throat structure and the drawer carrying means for coaction with said throat structure to prevent complete withdrawal of the drawer from within the shell.

An additional object of the invention is to provide a storage file of a collapsible or knock-down type including a shell reinforced by a metallic throat and fastening members, said throat and fastening members being so constructed and arranged to eliminate any outside exposure of metal which might possibly mar the surface of a desk or other furniture upon which the file might be placed.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved storage file whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:—

Figure 1 is a longitudinal vertical sectional view taken through a storage file constructed in accordance with an embodiment of my invention, the sliding drawer being fully retracted and the stop clip being shown in elevation;

Figure 2 is a transverse vertical sectional view taken through the device as illustrated in Figure 1 and looking toward the rear;

Figure 3 is a fragmentary longitudinal vertical sectional view illustrating the sliding drawer at the limit of its outward movement with respect to the shell or case;

Figure 4 is a view in perspective of the shell or case as herein comprised with the various walls or panels and flaps extended;

Figure 5 is a view in perspective of the shell or case as herein disclosed in collapsed or knocked down adjustment;

Figure 6 is a view in perspective of the sliding drawer as herein disclosed with certain of the walls or panels and flaps extended;

Figure 7 is a view in perspective of the sliding drawer in its collapsed or knocked down adjustment;

Figure 8 is a longitudinal vertical sectional view taken through a shell or case for a storage file constructed in accordance with another embodiment of my invention;

Figure 9 is a transverse sectional view taken substantially on the line 9—9 of Figure 8 looking in the direction of the arrow;

Figure 10 is a view in perspective of the shell or case as comprised in Figures 8 and 9 with the various walls or panels and flaps extended.

Figure 11 is a detailed sectional view illustrating a throat flap constructed in accordance with a further embodiment of my invention;

Figure 12 is a fragmentary view in perspective illustrating another modified feature.

As disclosed in the accompanying drawings, my improved file in its entirety comprises two units, the unit A constituting a shell or outer case and the unit B constituting a sliding drawer.

The shell or case A is formed from a single sheet of fibre board of proper gauge and comprises the side panels or walls 1 and 2 integrally connected with an end panel 3 but separated therefrom by the score lines 4 upon which the side walls or panels 1 and 2 are bendable. Integrally formed with the upper and lower margins of the end panel or wall 3 are the flaps 5 separated from the end wall or panel 3 by the score lines 6 upon which the flaps 5 readily bend.

The walls or panels 1, 2 and 3 are of desired dimensions as the requirements of practice may prefer, and integrally formed with the lower marginal portions of the side walls or panels 1 and 2 are the bottom panels 7 and 8 respectively sepa-

rated from the side walls or panels by the score lines 9 upon which said panels 7 and 8 readily bend or flex.

The upper margins of the side walls or panels 1 and 2 have integrally connected therewith the cover walls or panels 10 and 11 respectively, separated from said side walls by the score lines 12 whereby the cover or top walls or panels 10 and 11 readily swing into open or closed position as may be desired.

Bridging the free end portions of the side walls or panels 1 and 2 are the substantially U-shaped plates 14 riveted, as at 15, or otherwise firmly attached to the side walls or panels 1 and 2. These plates 14 are of a length less than the width of the side walls or panels 1 and 2 so that the extremities of said plates terminate inwardly of the longitudinal marginal portions of said side walls or panels and said plates have their intermediate portion extended a slight distance beyond the adjacent ends of the side walls or panels 1 and 2 whereby barrels or sleeves are provided to freely receive the end members 16 of a rectangular frame F. The side members 17 of the frame F are substantially flush with the longitudinal margins of the side walls or panels 1 and 2 and said members 17 are coextensive in length with the length of the end wall or barrel 3 so that with the frame F applied the side walls or panels 1 and 2 are maintained in parallel relation.

Swingingly or hingedly connected with the members 17 of the frame F are the flaps 18 preferably of sheet metal and which extend inwardly of the shell or case A when the same is extended into operative or working adjustment.

The frame F together with the parts directly associated therewith constitute an entrance throat for the shell or casing A and provide means for effectively strengthening or reinforcing said end portion of the shell or casing, and in addition the flaps 18 serve to facilitate the initial insertion of the unit or drawer B within the shell or casing A.

The bottom walls or panels 7 and 8 are of substantially the same dimensions and each is of such size as to effectively extend across the lower or bottom face of the shell or casing A.

With the various flaps or panels of the casing or shell A extended, the shell or casing A may be readily collapsed or knocked down by swinging one of the side walls 1 or 2 toward the other and in a direction lengthwise of said side walls or panels 1 and 2. This collapsing or knock-down feature is of particular importance and advantage in the shipping of the file or for storage.

In extending the shell or case A for use the side walls 1 and 2 are extended into parallel relation with the frame F and the end wall or panel 3 also substantially parallel. The bottom panel 7 is then swung into its closed position across the bottom of the shell whereupon the flap 5 of the end wall is swung inwardly to overlap from below the closed wall or panel 7. The second bottom wall or panel 8 is then swung into closed position and the fastening clips 19 carried by the free longitudinal marginal portion of the panel 8 adjacent to the ends thereof are engaged with the studs 20 carried by and extending out from the inner longitudinal marginal portion of the side wall or panel 1. The flaps 18 of the frame F are adjusted to be extended inwardly of the shell or case A and the cover or top panel 10 is swung inwardly across the top of the shell or case and then the flap 21 carried by the upper marginal portion of the end wall or panel 3 is swung inwardly to overlie the adjacent end portion of said closed cover or top wall or panel 10. The second cover or top wall or panel 11 is then swung into closed position and the clips 22 carried by the free longitudinal marginal portion thereof adjacent its ends are engaged with the studs 23 extending out from the adjacent longitudinal marginal portion of the side wall or panel 2.

The flap 21 hereinbefore referred to is also integrally formed with the end wall or panel 3 and separated therefrom by the score lines 24 upon which said flap 21 readily flexes.

The interlocking of the flaps 5 and 21 with the panels 7 and 8 and 10 and 11 maintain a strong and rigid rear or closed end for the shell or case A. Such rear structure, however, can be readily disassembled upon extending the various top and bottom walls or panels when it is desired to collapse or knock down the shell or case.

The second unit or drawer B is adapted to snugly and slidably engage within the shell or casing A through the open or front end thereof. This drawer B is also of a collapsible type and comprises the side walls or panels 26 integrally connected along the score lines 27 with the front wall or panel 28. The rear end of one of the side walls 26 is integrally connected along the score line 29 with a rear wall or panel 30. The opposite end of said rear wall or panel 30 and the adjacent rear end portion of the second side panel 26 are connected by a flexible sheet 31 adhesively secured thereto. In view of the foregoing it is believed to be readily apparent that when desired the side walls or panels 26 may be readily swung one toward the other to collapse or knock down the drawer structure.

The upper marginal portions of the side panels 26 and the rear end panel 30 are reinforced by the metallic strips 32.

The lower marginal portions of the end flaps 28 and 30 have integrally connected therewith along the score lines 33 the flaps 34 which are extended inwardly of the structure when the drawer B is extended for use. The lower marginal portions of the side walls or panels 26 have integrally connected therewith along the score lines 35 the bottom walls or panels 36, one of which overlying the other when the unit or drawer B is in working assembly. The free longitudinal marginal portion of the outer bottom panel 36 adjacent its ends carries the fastening clips 37 to engage the outstanding clips 38 carried by the adjacent lower marginal portion of a side wall 26.

The front panel 28 has secured thereto a metallic plate 39 overlying the outer face of said front panel 28. This plate is provided with a swinging handle 40 to facilitate the operation of the drawer and is also provided at 41 with card holding means.

The rear portion of the outermost bottom panel 36 has secured to its exposed or under face at substantially the transverse center thereof a forwardly directed clip 42 which, as the drawer B is pulled outwardly from the shell or case A, engages the inner edge of the lower flap 18 of the frame F. By this means the outward movement of the drawer B is limited.

Aside from being readily collapsible, it is to be stated that by means of the cover or top panels 10 and 11 access may be had to the contents of the

drawer B within the shell or casing A when for any reason it is not desired to slide the drawer out from within the shell or case. To do this, however, the assembled structure would have to be either at the top of a stack or free of any stack.

It is to be further emphasized that the construction of the shell or case A is such as to readily withstand weight imposed thereon when in stack and thereby eliminating crushing so that the life of the structure is materially prolonged.

In Figures 8 to 10 is illustrated another embodiment of my shell or case and as comprised in this form of the invention the shell or case A' is also formed from a single sheet of fibre board of proper gauge, and comprises the side walls or panels 1' and 2' integrally connected with an end panel 3' but separated therefrom by the score lines 4' upon which the side walls or panels 1' and 2' are bendable. The end panel 3' has integrally formed with its upper and lower margins the flaps 5' bendable upon the score lines 6' separating said flaps 5' from the end wall or panel 3'. The top flap 5' has engaged along its outer or free longitudinal marginal portion a reinforcing strip 43 preferably of metal, said strip being herein disclosed as substantially U-shaped in cross section and straddling the longitudinal marginal portion of the top flap 5'.

Integrally formed with the lower marginal portions of the side walls or panels 1' and 2' are the bottom panels 7' and 8' respectively bendable on the score lines 9' separating the bottom panels from the side walls or panels. The upper margin of the side wall or panel 1' has integrally connected therewith the cover wall or panel 10' of dimensions to entirely close the top of the case or shell A' while the upper marginal portion of the second side wall or panel 2' has integrally connected therewith a relatively short flap 11', said wall or panel 10' and flap 11' flexing on the score lines 12' separating said cover panel 10' and flap 11' from the side walls or panels 1' and 2'. The free longitudinal marginal portion of this side flap 11' is strengthened or reinforced by a metallic strip 44 extending substantially the entire length thereof. This strip 44 is also substantially U-shaped in cross section and straddles the free longitudinal marginal portion of the flap.

When the shell or case A' is extended for use the bottom panels 7' and 8' are in overlapping relation and the outermost panel 8' carries the fastening clips 19' which engage with the studs 20' carried by and extending out from the side wall or panel 1'. It is also to be noted that the forward end portion of the panel 7' is strengthened or reinforced by a metallic strip 45 also substantially U-shaped in cross section and straddling said forward end portion of the panel. In addition to providing a reinforcing or strengthening medium, this strip 45 provides a metallic surface for the drawer to slide on and also facilitates the entrance of the drawer within the case or shell.

When the shell or case A' is extended, the bottom end flap 5' is received between the bottom walls or panels 7' and 8' while the upper end flap 5' underlies the closed cover panel 10' with an end portion overlying the adjacent end portion of the top side panel 11'. The outer or free corner portions of the cover panel 10' are provided with the fastening clips 22' to engage the studs 23' extending outwardly from the side wall or panel 2'.

The forward or free end portions of the side walls or panels 1' and 2' are provided with the barrels or sleeves 14' through which are freely directed the end members 16' of the rectangular frame F'. The side members 17' of the frame F' have swingingly or hingedly connected therewith the flaps 18' and 18^a. The flap 18' is engaged with the lower side member 17' and when the case or shell A' is extended this flap 18' extends between the bottom walls or panels 7' and 8'.

The upper flap 18^a is engaged with the upper side member 17' and when the case or shell A' is extended said flap is disposed inwardly of said case or shell with an end portion thereof lapping over the adjacent end portion of the side flap 11'.

This form of shell or case A' can be collapsed or knocked down with the same convenience and facility as the case or shell illustrated in the first embodiment of my invention.

The metallic reinforcements, such as shown in the embodiment of the invention as illustrated in Figure 10, may also be applied to the desired marginal portions of the various walls or panels of the invention as illustrated in Figures 1 to 5 inclusive. In connection with this first embodiment of my invention it is to be further noted that when the cover wall or panel 10 is swung into closed position its free longitudinal marginal portion contacts with a clip 46 secured to the upper portion of the wall or panel 1 in relatively close proximity to the throat F and also with a second clip 47 secured to the central upper portion of the end panel or wall 3. The provision of these clips assures the shell or case A, and more particularly the closed top walls or covers 10 and 11, effectively withstanding pressure which may be imposed thereupon. These clips 46 and 47 may be made in any manner desired which will assure the provision of the proper shoulders for contact by the cover or panel 10. It is preferred, however, that each of these clips be formed from a sheet of metal returned upon itself with its bent portion enlarged to provide a barrel *a* in which is contained a reinforcing wire *b*.

In Figure 11 is illustrated a type of flap to be employed in connection with a frame F or F' and wherein the flap comprises a metallic strip 48 formed along one longitudinal marginal portion with a barrel 49 freely engaged with a member 17'. The body portion of the strip 48 is riveted, as at 50, or otherwise suitably attached to the flap 18'' of paper board preferably of the same quality as the walls or panels of the shell. In using the flap 18'' sharp edges are avoided which is of advantage especially in the knocking down of the case or shell.

In Figure 12 I illustrate an embodiment wherein the side wall or panel 1^b is provided in its upper marginal portion adjacent its outer end with a loop 51 riveted or otherwise rigidly secured into place and which loop receives a clip 52 depending from the free longitudinal marginal portion of the top member or cover 10^b. A similar arrangement is to be provided in connection with the inner end portion of this top member or cover 10^b and the end wall or panel in the same general fashion as the clip 47 hereinbefore referred to in connection with the first embodiment of the invention.

From the foregoing description it is thought to be obvious that a storage file constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my in-

vention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:—

1. A storage file including a shell having an open end to allow a drawer to be inserted within the shell, said shell comprising side walls and an end wall connected to the side walls, a substantially rectangular frame interposed between the side walls at the open end of the shell, means for hingedly connecting the adjacent end portions of the side walls to the ends of the frame, flaps pivotally engaged with the upper and lower members of the frame and extending inwardly of the shell, a bottom wall connected to the lower marginal portion of one of the side walls and movable into a position across the bottom of the shell, coacting means carried by said bottom wall and the second side wall to hold the bottom wall in closed position, a top wall secured to a side wall and movable into a position across the top of the shell, and coacting means carried by said top wall and a side wall to hold said top wall in closed position, said top and bottom walls when swung into open position offering no obstruction to the moving of the side walls one toward the other in a direction lengthwise thereof to collapse or knock down the shell.

2. A storage file including a shell having one end open to permit a drawer to be received within the shell, said shell comprising side walls and an end wall secured to the side walls, flaps connected to the upper and lower margins of the end wall, a reinforcing throat within the open end of the shell including a frame having end members, means for pivotally connecting the adjacent extremities of the side walls to the end members of the frame, bottom panels connected with the lower marginal portions of the side walls, said bottom panels being movable across the bottom of the shell with one of said panels overlying the other, coacting means carried by the outermost bottom panel and a side wall for fastening the bottom panels in closed position, top panels secured to the upper marginal portions of the side walls and foldable across the top of the shell with said top panels in overlying relation, and coacting means carried by the outermost top panel and a side wall for fastening the top panels in closed position, the flaps of the end wall extending inwardly of the shell.

3. A storage file including a shell having one end open to permit a drawer to be received within the shell, said shell comprising side walls and an end wall secured to the side walls, flaps connected to the upper and lower margins of the end wall, a reinforcing throat within the open end of the shell including a frame having end members, means for pivotally connecting the adjacent extremities of the side walls to the end members of the frame, bottom panels connected with the lower marginal portions of the side walls, said bottom panels being movable across the bottom of the shell with one of said panels overlying the other, coacting means carried by the outermost bottom panel and a side wall for fastening the bottom panels in closed position, top panels secured to the upper marginal portions of the side walls and foldable across the top of the shell with said top panels in overlying relation, and coacting means carried by the outermost top panel and a side wall for fastening the top panels in closed position, the flaps of the end wall extending inwardly of the shell, one of said flaps being disposed between the bottom panels and the other flap between the top panels.

4. A storage file including a shell having one end open to permit a drawer to be received within the shell, said shell comprising side walls and an end wall secured to the side walls, flaps connected to the upper and lower margins of the end wall, a reinforcing throat within the open end of the shell including a frame having end members, means for pivotally connecting the adjacent extremities of the side walls to the end members of the frame, bottom panels connected with the lower marginal portions of the side walls, said bottom panels being movable across the bottom of the shell with one of said panels overlying the other, coacting means carried by the outermost panel and a side wall for fastening the bottom panels in closed position, top panels secured to the upper marginal portions of the side walls and foldable across the top of the shell with said top panels in overlying relation, coacting means carried by the outermost top panel and a side wall for fastening the top panels in closed position, the flaps of the end wall extending inwardly of the shell, the frame of the reinforcing throat having top and bottom members, and strengthening panels pivotally connected with said top and bottom members of the frame and extending inwardly of the shell.

5. A storage file including a shell having one end open to permit a drawer to be received within the shell, said shell comprising side walls and an end wall secured to the side walls, flaps connected to the upper and lower margins of the end wall, a reinforcing throat within the open end of the shell including a frame having end members, means for pivotally connecting the adjacent extremities of the side walls to the end members of the frame, bottom panels connected with the lower marginal portions of the side walls, said bottom panels being movable across the bottom of the shell with one of said panels overlying the other, coacting means carried by the outermost bottom panel and a side wall for fastening the bottom panel in closed position, top panels secured to the upper marginal portions of the side walls and foldable across the top of the shell with said top panels in overlying relation, coacting means carried by the outermost top panel and a side wall for fastening the top panels in closed position, the flaps of the end wall extending inwardly of the shell, and a reinforcing member secured along the outer marginal portion of the top flap.

6. A storage file including a shell having an open end to allow a drawer to be inserted within the shell, said shell comprising side walls and an end wall connected to the side walls, a substantially rectangular frame interposed between the side walls at the open end of the shell, means for hingedly connecting the adjacent end portions of the side walls to the ends of the frame, flaps pivotally engaged with the upper and lower members of the frame and extending inwardly of the shell, a bottom wall connected to the lower marginal portion of one of the side walls and movable into a position across the bottom of the shell, coacting means carried by said bottom wall and the second side wall to hold the bottom wall in closed position, a top wall secured to a side wall and movable into a position across the top of the shell, coacting means carried by said top wall and a side wall to hold said top wall in closed position,

said top and bottom walls when swung into open position offering no obstruction to the moving of the side walls one toward the other in a direction lengthwise thereof to collapse or knock down the shell, and a flap secured along the upper margin of the second side wall and movable into a position to overlie the top of the shell inwardly of the top wall.

7. A storage file including a shell having an open end to allow a drawer to be inserted within the shell, said shell comprising side walls and an end wall connected to the side walls, a substantially rectangular frame interposed between the side walls at the open end of the shell, means for hingedly connecting the adjacent end portions of the side walls to the ends of the frame, flaps pivotally engaged with the upper and lower members of the frame and extending inwardly of the shell, a bottom wall connected to the lower marginal portion of one of the side walls and movable into a position across the bottom of the shell, coacting means carried by said bottom wall and the second side wall to hold the bottom wall in closed position, a top wall secured to a side wall and movable into a position across the top of the shell, coacting means carried by said top wall and a side wall to hold said top wall in closed position, said top and bottom walls when swung into open position offering no obstruction to the moving of the side walls one toward the other in a direction lengthwise thereof to collapse or knock down the shell, a flap secured along the upper margin of the second side wall and movable into a position to overlie the top of the shell inwardly of the top wall, and a reinforcing member secured along the upper marginal portion of said flap.

8. A storage file including a shell having an open end to allow a drawer to be inserted within the shell, said shell comprising side walls and an end wall connected to the side walls, a substantially rectangular frame interposed between the side walls at the open end of the shell, means for hingedly connecting the adjacent end portions of the side walls to the ends of the frame, flaps pivotally engaged with the upper and lower members of the frame and extending inwardly of the shell, a bottom wall connected to the lower marginal portion of one of the side walls and movable into a position across the bottom of the shell, coacting means carried by said bottom wall and the second side wall to hold the bottom wall in closed position, a top wall secured to a side wall and movable into a position across the top of the shell, coacting means carried by said top wall and a side wall to hold said top wall in closed position, said top and bottom walls when swung into open position offering no obstruction to the moving of the side walls one toward the other in a direction lengthwise thereof to collapse or knock down the shell, and a reinforcing member extending along the front end portion of the bottom wall and disposed over the surface of said wall opposed to the top of the shell.

9. A storage file including a shell having an open end to allow a drawer to be inserted within the shell, said shell comprising side walls and an end wall connected to the side walls, a substantially rectangular frame interposed between the side walls at the open end of the shell, means for hingedly connecting the adjacent end portions of the side walls to the ends of the frame, flaps pivotally engaged with the upper and lower members of the frame and extending inwardly of the shell, a bottom wall connected to the lower marginal portion of one of the side walls and movable into a position across the bottom of the shell, coacting means carried by said bottom wall and the second side wall to hold the bottom wall in closed position, a top wall secured to a side wall and movable into a position across the top of the shell, coacting means carried by said top wall and a side wall to hold said top wall in closed position, said top and bottom walls when swung into open position offering no obstruction to the moving of the side walls one toward the other in a direction lengthwise thereof to collapse or knock down the shell, and means within the shell with which the top wall contacts to provide supporting means for the top wall when in closed position.

10. A storage file including a shell having an open end to allow a drawer to be inserted within the shell, said shell comprising side walls and an end wall connected to the side walls, a substantially rectangular frame interposed between the side walls at the open end of the shell, means for hingedly connecting the adjacent end portions of the side walls to the ends of the frame, flaps pivotally engaged with the upper and lower members of the frame and extending inwardly of the shell, a bottom wall connected to the lower marginal portion of one of the side walls and movable into a position across the bottom of the shell, coacting means carried by said bottom wall and the second side wall to hold the bottom wall in closed position, a top wall secured to a side wall and movable into a position across the top of the shell, and coacting means carried by said top wall and a side wall to hold said top wall in closed position, said top and bottom walls when swung into open position offering no obstruction to the moving of the side walls one toward the other in a direction lengthwise thereof to collapse or knock down the shell, the upper portions of a side wall and the end wall of the shell being provided with shoulders with which the top wall contacts when in closed position to provide supporting means for the top wall.

11. A storage file including a shell having an open end to allow a drawer to be inserted within the shell, said shell comprising side walls and an end wall connected to the side walls, a substantially rectangular frame interposed between the side walls at the open end of the shell, means for hingedly connecting the adjacent end portions of the side walls to the ends of the frame, flaps pivotally engaged with the upper and lower members of the frame and extending inwardly of the shell, a bottom wall connected to the lower marginal portion of one of the side walls and movable into a position across the bottom of the shell, coacting means carried by said bottom wall and the second side wall to hold the bottom wall in closed position, a top wall secured to a side wall and movable into a position across the top of the shell, coacting means carried by said top wall and a side wall to hold said top wall in closed position, said top and bottom walls when swung into open position offering no obstruction to the moving of the side walls one toward the other in a direction lengthwise thereof to collapse or knock down the shell, a reinforcing member extending along the front end portion of the bottom wall and disposed over the surface of said wall opposed to the top of the shell, a loop carried by a wall of the shell adjacent to its upper face, and a clip depending from a free marginal portion of the top wall engaged within the loop when said top wall is in closed position.

12. A collapsible structure comprising side walls and an end wall connected to the side walls, a

substantially rectangular frame interposed between the side walls at the open end of the structure, means for hingedly connecting the adjacent end portions of the side walls to the ends of the frame, flaps pivotally engaged with the upper and lower members of the frame and extending inwardly of the structure, a bottom wall connected to the lower marginal portion of one of the side walls and movable into a position across the bottom of the structure, and coacting means carried by said bottom wall and the second side wall to hold the bottom wall in closed position, said bottom wall when swung into open position offering no obstruction to the moving of the side walls one toward the other in a direction lengthwise thereof to collapse or knock down the structure.

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