Oct. 2, 1956 S. DERMAN 2,765,112

KNOCKDOWN TOY CHEST

Filed Dec. 23, 1952

Fig. 2.

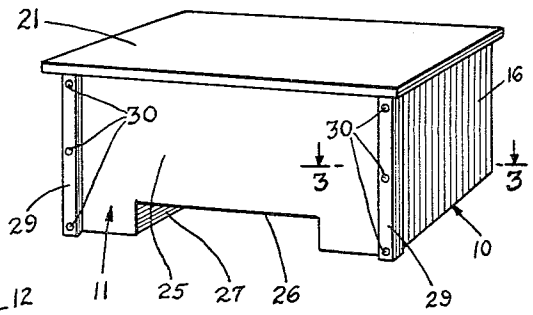


Fig. 1.

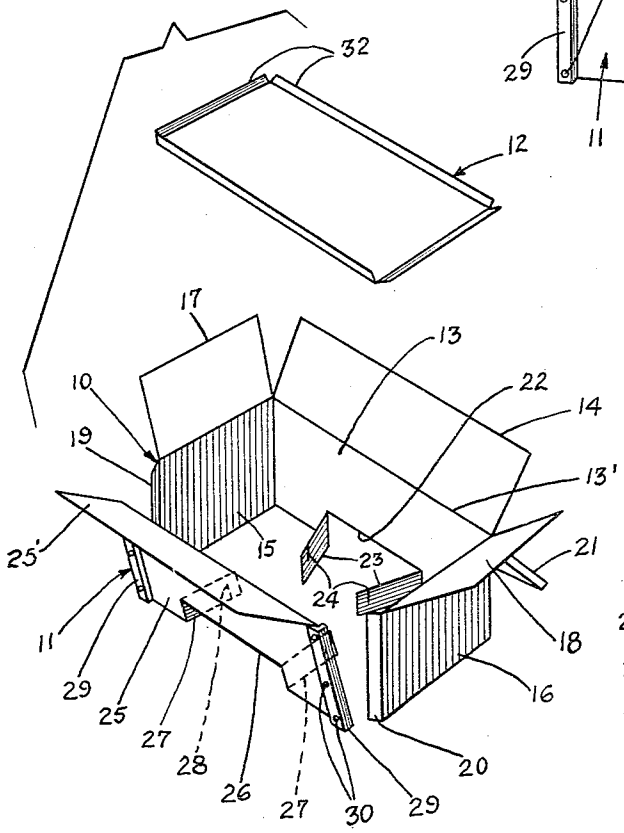
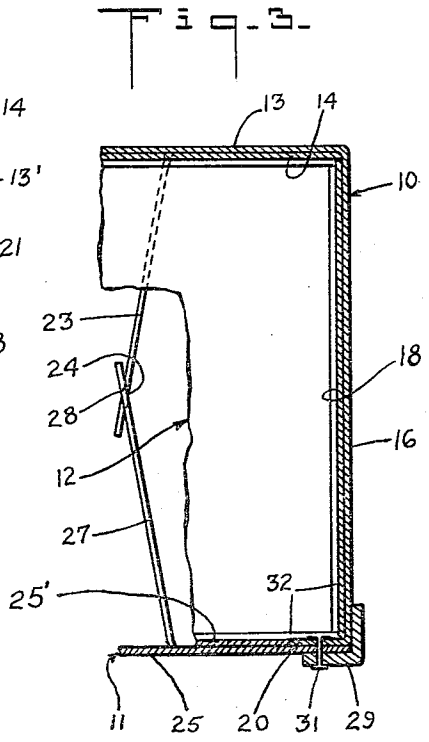


Fig. 3.



INVENTOR
SAM DERMAN

BY
Howard L. Thompson
ATTORNEY

United States Patent Office

2,765,112

Patented Oct. 2, 1956

2,765,112

KNOCKDOWN TOY CHEST

Sam Derman, Jamaica, N. Y.

Application December 23, 1952, Serial No. 327,534

2 Claims. (Cl. 229—23)

This invention relates to toy chests of the type and kind sold in a collapsed or knockdown state and quickly and easily set up for use. More particularly, the invention deals with a structure of the character defined made from a few parts which can be readily assembled in forming a strong and durable chest structure which can be utilized as a seat as well as for the storage of articles therein.

The novel features of the invention will be best understood from the following description, when taken together with the accompanying drawing, in which certain embodiments of the invention are disclosed and, in which, the separate parts are designated by suitable reference characters in each of the views and, in which:

Fig. 1 is an exploded view showing the several parts of the chest in extended position, preparatory to assemblage of the parts to form a chest.

Fig. 2 is a perspective view of a chest made from the assemblage of parts, as shown in Fig. 1; and

Fig. 3 is a partial section on the line 3—3 of Fig. 2 on an enlarged scale, with part of the construction broken away.

In Fig. 1 of the drawing, I have shown in exploded relationship to each other, the three primary parts of my improved chest, the part **10** comprising primarily the back, side and cover parts of the chest, **11** the front part and **12** the bottom wall part.

The part **10** comprises a back wall **13** having an inwardly folded supplemental wall **14**; **15** and **16** shows the side walls having the inwardly folded supplemental wall **17** and **18**, the side walls having inturned front flanges **19** and **20**. At **21** I have shown a cover portion made separately from the wall parts **13**, **15** and **16** and hingedly attached to the back wall **13** at the upper portion **13'** of said wall. The cover **21** is preferably made of several sheets of material to give strength and rigidity thereto and to form, on the resulting chest shown in Fig. 1, a top wall structure which preferably overlaps the front and side walls of the resulting chest, but will be flush or substantially flush with the rear wall. By fixing the top wall **21** to the back wall **13**, it becomes an integral part of the part **10** from a standpoint of packaging and handling, but is not integral from the standpoint of production.

The lower central portion of the back wall **13** is cut out as seen at **22** to form two vertical brace members **23** which are slotted, as indicated at **24**.

The front wall **11** comprises a front wall portion **25** having a lower cutout, as seen at **26**, to form members **27**, similar to the members **23**, the members **27** being notched downwardly, as seen at **28**, so as to engage the notches **24** in coupling the members **23** with the members **27**, as indicated in Fig. 3 of the drawing to form a firm support for the bottom wall part **12** when mounted in the chest, as will be apparent.

The front wall **25** includes a supplemental inwardly foldable wall **25'** which is preferably made sufficiently

short in its length so as to fit within the flanges **19** and **20**, as indicated by arrangement with the flange **20** in Fig. 3 of the drawing.

Suitably secured to the side edge portions of the front wall **25** are angle-wood strips **29**, the front portions of which are preferably apertured, as seen at **30**, to facilitate manual passage of brads or other fasteners **31** therethrough to engage the flanges **19** and **20** in securing the front wall part on the back and side wall part **10** in the manner clearly seen in Fig. 1 of the drawing, three fasteners being preferably used on each of the rails **29**. The fasteners **31** are the only fasteners utilized in holding the complete assemblage together.

The bottom wall part **12** is oblong and rectangular in form and is preferably made of a dimension to fit snugly within the supplemental wall parts **14**, **17**, **18** and **25'** of the back, side and front walls and this bottom wall has, at its peripheral edges, flanges **32** which flex upwardly and give strength and rigidity to the walls in support of the walls in the rectangular position. The bottom wall part **12** rests upon the members **23** and **27**, as will be apparent.

In the operation of assembling the parts from the exploded position illustrated in Fig. 1 of the drawing, the members **27** are coupled with the members **23** through interengagement of the notches **24** and **28**; the strips **29** are disposed upon the outer surfaces of the walls **15** and **16** and on the flanges **19** and **20** and the fasteners **31** are then applied to support the front wall on the side walls **15** and **16**. The wall parts **14** and **28** are then folded inwardly upon the walls **13** and **25**, after which the walls **17** and **18** are folded inwardly upon the walls **15** and **16**, in which latter operation, the walls **17** and **18** move snugly over the walls **14** and **25'** and serve to support side edges of said walls firmly upon the walls **13** and **25**. Then the bottom wall part **12** is placed on the top of the chest and moved inwardly, in which operation the flanges **32** frictionally engage the walls **14**, **25'**, **17** and **18** and force these walls outwardly into firm engagement with the walls **13**, **25**, **15** and **16**. The cover now may be swung onto the upper edge of the chest to bring the parts into the position shown in Fig. 2.

In the collapsed position of the parts for packaging and shipment, it will be apparent that the parts can all be contained substantially within boundaries of the cover **21** and of a thickness which would aggregate the various wall portions arranged one upon the other on one surface of the cover.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A toy chest comprising three primary detachably coupled parts, one part comprising back and side walls and including a cover hinged to the outer surface of the back wall of said part, another part comprising a front wall and a third part comprising a bottom wall, upper edges of the back and side walls of the first part and said front wall having supplemental inwardly foldable wall portions, interengaging means, at the side edges of the front wall and at the forward edges of the side walls, for detachably coupling the first and second parts in assembling and disassembling the chest, said bottom wall fitting within the supplemental walls of the first and second parts in supporting said supplemental walls upon inner surfaces of said parts, and interengaging means integral with the lower edge portion of the front and rear walls and extending to the bottom of the chest defined by the lower edges of the side walls and arranged beneath said bottom wall for joining the front and rear walls and for checking downward movement of the bottom wall part and forming transverse supports at the central portion of the bottom wall part.

2. A toy chest comprising three primary detachably

coupled parts, one part comprising back and side walls and including a cover hinged to the outer surface of the back wall of said part, another part comprising a front wall and a third part comprising a bottom wall, upper edges of the back and side walls of the first part and said front wall having supplemental inwardly foldable wall portions, interengaging means, at the side edges of the front wall and at the forward edges of the side walls, for detachably coupling the first and second parts in assembling and disassembling the chest, said bottom wall fitting within the supplemental walls of the first and second parts in supporting said supplemental walls upon inner surfaces of said parts, interengaging means integral with the lower edge portion of the front and rear walls and extending to the bottom of the chest defined by the lower edges of the side walls and arranged beneath said bottom wall for joining the front and rear walls and for checking downward movement of the bottom wall part and forming transverse supports at the central portion of the bottom wall part, said first named means comprising flanges at the forward edges of said side walls, corner

strips at the side edges of the front wall, and fasteners passed through the latter strips and engaging said flanges.

References Cited in the file of this patent

UNITED STATES PATENTS

676,653	Finley	June 18, 1901
799,375	Gray	Sept. 12, 1905
814,069	Naylor	Mar. 6, 1906
917,835	Ansorge	Apr. 13, 1909
1,041,690	Snyder	Oct. 15, 1912
1,198,294	Walter	Sept. 12, 1916
1,580,147	McClean	Apr. 13, 1926
1,859,523	Neely	May 24, 1932
1,863,259	Van Buren	June 14, 1932
1,950,168	Fancher	Mar. 6, 1934
2,135,533	Ringler	Nov. 8, 1938
2,137,420	Soybel	Nov. 22, 1938
2,374,539	Guyer	Apr. 24, 1945
2,577,304	Brooks	Dec. 4, 1951