Feb. 11, 1958 T. A. CALABRESE 2,822,860

FOLDABLE SEAT

Filed April 16, 1956

Fig. 1.

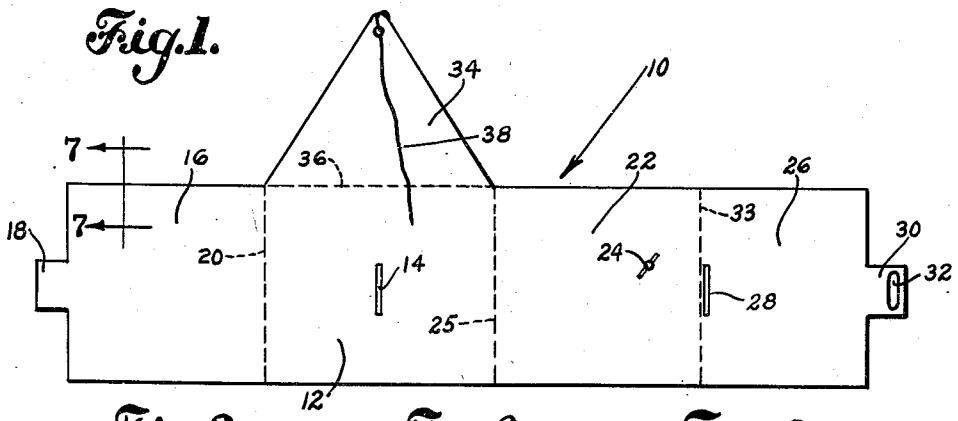


Fig. 2.

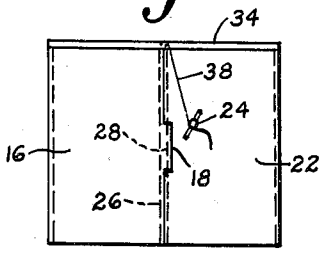


Fig. 3.

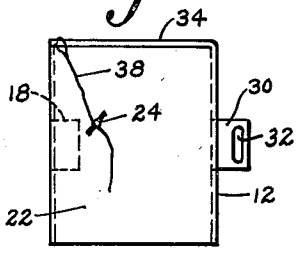


Fig. 4.

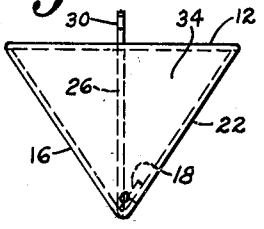


Fig. 5.

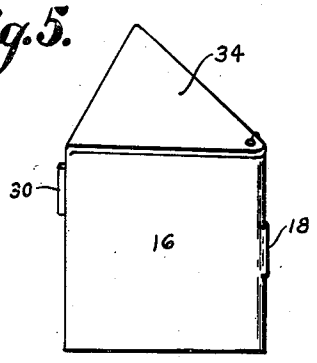


Fig. 6.

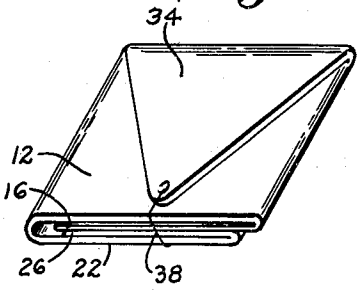
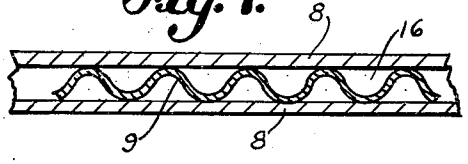


Fig. 7.



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FOLDABLE SEAT

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5 Claims. (Cl. 155—149)

This invention relates to a foldable seat, especially one formed of an integral piece of material.

Many persons watching a parade, attending a sporting contest or other event, would like to sit; but not to carrying a seat away after the event terminates, hence it is my object to provide a foldable seat so constructed that its manufacturing cost is so low that an average person can afford to throw it away or otherwise dispose of it after one use.

Another object is to provide such a foldable seat made in one piece, and with different portions so formed that they can all lie flat, one against the other, whereby the assembly can be easily packed and shipped, or carried under a person's arm.

A further object is to form said foldable seat so simply that it can be assembled from a flat bundle into a firm seat by a few simple motions, and can likewise be returned to a flat bundle.

The foregoing and other objects which will appear as the nature of the invention is better understood, may be accomplished by a construction, combination and arrangement of parts such as is disclosed by the drawing. The nature of the invention is such as to render it susceptible to various changes and modifications, and therefore, I am not to be limited to the construction disclosed by the drawing nor to the particular parts described in the specification; but am entitled to all such changes therefrom as fall within the scope of my claims.

In the drawing:

Fig. 1 is a top plan view of my foldable seat laid out in one continuous flat sheet.

Fig. 2 is a front elevational view of my foldable seat assembled to provide a seat.

Fig. 3 is a right side elevational view of said assembled seat shown in Fig. 2.

Fig. 4 is a top plan view of said assembled seat.

Fig. 5 is a perspective view of said assembled seat.

Fig. 6 is a perspective view of my seat folded as a flat bundle, ready to be carried or shipped.

Fig. 7 is an enlarged, sectional view taken on the line 7—7 of Fig. 1.

As illustrated, my foldable seat is formed preferably of a blank or single piece of material such as double face corrugated board illustrated in said Fig. 7, which is a well known paper product, having two facing pieces **8** with a corrugated member **9** between them. However, other materials such as fiber, metal or plastic sheets are suitable.

Since one purpose is to preferably provide a single piece of foldable material for my entire seat, I use an elongate piece of material **10** which provides the main support for my seat. This piece **10** could be 50 inches long, for instance, and 12 inches wide, although the length and width depend upon the height and seating area desired.

A back support portion **12** is an intermediate part of said elongate piece **10** and it has a vertically extending slit **14** therethrough intermediate the top and bottom, in position of use. A left side support portion **16** has a tab

18 at its outer side, intermediate the top and bottom in position of use, and there is a score **20** between it and said back portion **12** thus permitting easy bending between said portions. A right side support portion **22**, preferably has a projecting pin **24** intermediate the top and bottom thereof, and there is a score **25** between said back portion **12** and said right side support, permitting easy, simple bending between them.

At the outer side of said right side support **22** is a reinforcing support portion **26** having a vertically extending slit **28** therein adjacent a score **33** where said right side support **22** and said reinforcing portion **26** meet to permit easy bending there. Said reinforcing portion **26** has a tab **30** at its free end intermediate the top and bottom in position of use, which is adapted to extend through said slot **14** in said back portion **12**, and there is preferably an opening **32** in said tab **30** that serves as a finger hole whereby my seat can readily be held and carried by a finger or two extending into said opening. Said reinforcing portion **26** is of lesser width than either of said side portions **16** and **22** and back **12**.

Extending from the upper end of said back portion **12**, in position of use, is a top portion **34** which preferably is triangularly-shaped and which has a score **36** between said back portion and the wide portion of the triangle forming said top portion **34**. A cord or other fastening member **38** is attached to said top portion **34** near its free end and this is long enough to extend to and wrap around said winding pin **24** to thus hold said top portion **34** resting on the top edges of said support portions **12**, **16** and **22** when my seat is assembled, ready for a person to sit upon.

To assemble said supporting portions **12**, **16** and **22**, reinforcing portion **26** and top portion **34**, to provide a firm seat, starting from the flat position shown in said Fig. 1, said right side portion **22** is folded towards the left until it forms an acute angle with said back portion **12**. The free edge of said reinforcing portion **26** is placed next to said back portion **12** at a central position between opposite sides of the latter, and said reinforcing portion tab **30** is inserted through said back portion slit **14** to thereby hold the two portions **12** and **26** in predetermined, right-angled position.

Said left side portion **16** is folded to a position forming an acute angle with said back portion **12** and with the free end of said left side portion **16** lying next to said right side score **33**. Said tab **18** is inserted through said reinforcing portion slot **28**. Thus, in top plan view, two right-angled triangles are formed with said reinforcing portion **26** providing the hypothenuse for each said right-angled triangle.

Said top portion **34** is then folded down onto the top edges of said three supporting portions **12**, **16** and **22** and said reinforcing portion **26**, thus providing a triangularly-shaped seat. Said cord **38** is drawn firmly towards, and wound around, said pin **24** on said right side portion **22** to hold said top portion **34** in place.

To fold my seat said tabs **18** and **30** are withdrawn from said slits **28** and **14** respectively, and said left side portion **16** is folded to lie next to said back portion **12**. Said reinforcing portion **26** is folded next to the inner surface of said right side portion **22** and then said reinforcing portion **26** and said right side portion **22** are laid flat next to said left side portion **16**. Said top portion **34** is bent backwards against the outside surface of said back portion **12** and thus there are five thicknesses of material lying flat and together, as illustrated in said Fig. 6. Said cord **36** is drawn from said top portion **34** laterally and brought around to said pin **24** where it is wound thereon to hold the aforesaid five portions together. The cord, of course, is a convenience and not a necessity.

What I claim is:

1. A foldable seat comprising, in position of use, a back

support portion, a left side support portion movably connected to said back support, a right side support portion movably connected to said back support portion, a reinforcing support portion adjacent said back portion and movably connected to said right side portion, and a top portion movably connected to said back portion at the top of the latter, said top portion being adapted to rest on the top edges of said left and right side portions, and said reinforcing portion, said back portion having a slit therethrough, said reinforcing portion having a tab adapted to extend through said slit in position of use, said reinforcing portion having a slit therethrough at a point adjacent said right side portion, said left side portion having a tab adapted to extend through said reinforcing portion slit in position of use.

2. A foldable seat comprising, in position of use, a back support portion, a left side support portion, movably connected to said back support at one side thereof, a right side support portion movably connected to said back support portion at another and opposite side thereof, a reinforcing support portion movably connected to said right side portion and extending from the latter to a point adjacent said back portion, said reinforcing portion being of lesser width than either said back, left side or said right side portions, and a top portion movably connected to said back portion at the top of the latter, said top portion being adapted to rest on the top edges of said left and right side portions, and said reinforcing portion, said back portion having a slit therethrough, said reinforcing portion having a tab adapted to extend through said slit in position of use, said reinforcing portion having a slit therethrough at a point adjacent said right side portion, said left side portion having a tab adapted to extend through said reinforcing portion slit in position of use.

3. A blank for a seat scored to form a back portion, a left side portion and a right side portion at opposite sides of said back portion, a reinforcing portion connected to the outer side of said right side portion, and a top portion connected to said back portion, said back portion having a slit therethrough, said reinforcing portion having a slit therethrough adjacent the point of connection with said right side portion, said reinforcing portion having a tab extending from its free end and adapted to enter said back portion slit, said left side portion having a tab extending from its free end and adapted to enter said reinforcing portion slit, said top portion being adapted to rest

on the top edges of said left side, right side, back and reinforcing portions in position of use.

4. A blank for a seat scored to form a back portion, a left side portion and a right side portion at opposite sides of said back portion, a reinforcing portion connected to the outer side of said right side portion, that part of said blank forming all of said portions being of substantially uniform width, and a top portion connected to and extending laterally beyond said back portion, said back portion having a slit therethrough, said reinforcing portion having a slit therethrough adjacent the point of connection with said right side portion, said reinforcing portion having a tab extending from its free end and adapted to enter said back portion slit, said left side portion having a tab extending from its free end and adapted to enter said reinforcing portion slit, said top portion being adapted to rest on the top edges of said left side, right side and reinforcing portions in position of use, said right side support embodying a projecting member at the outside surface thereof, a fastening cord connected to said top portion and adapted to extend and attach to said projecting member.

5. A foldable seat comprising, in position of use, a back support portion, a left side support portion movably connected to one side of said back support portion, a right side support portion movably connected to another and opposite side of said back support portion, a reinforcing support portion adjacent to and extending at substantially a right angle to said back portion and movably connected to said right side portion, and a top portion movably connected to said back portion at the top of the latter, said top portion being adapted to rest on the top edges of said left and right side portions, and said reinforcing portion, said left side support portion and said right side support portion each extending diagonally from said back portion to substantially the point of connection of said right side portion and said reinforcing portion.

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