O. H. BEAUREGARD.

FOLDING BOX.

APPLICATION FILED JAN. 10, 1914.

1,129,627.

Patented Feb. 23, 1915.

3 SHEETS—SHEET 1.

Fig. 1.

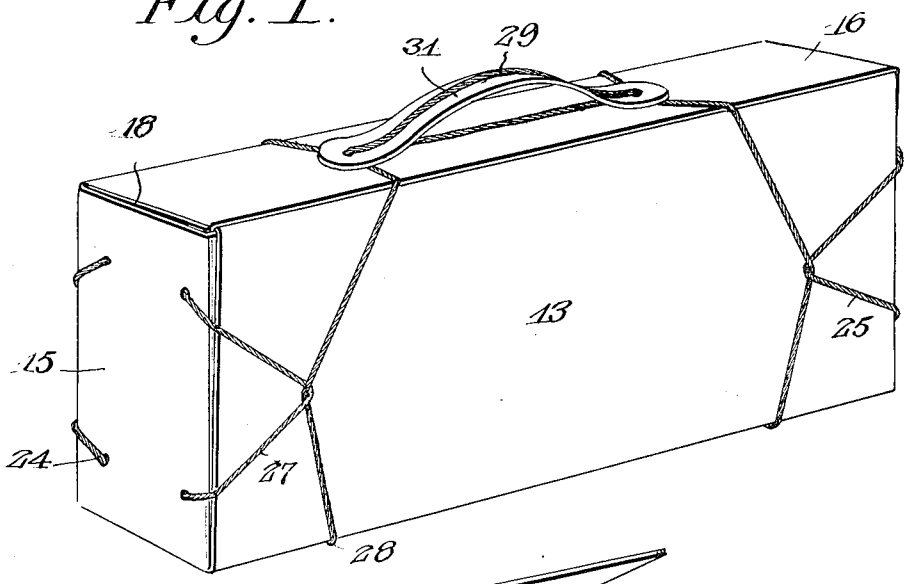
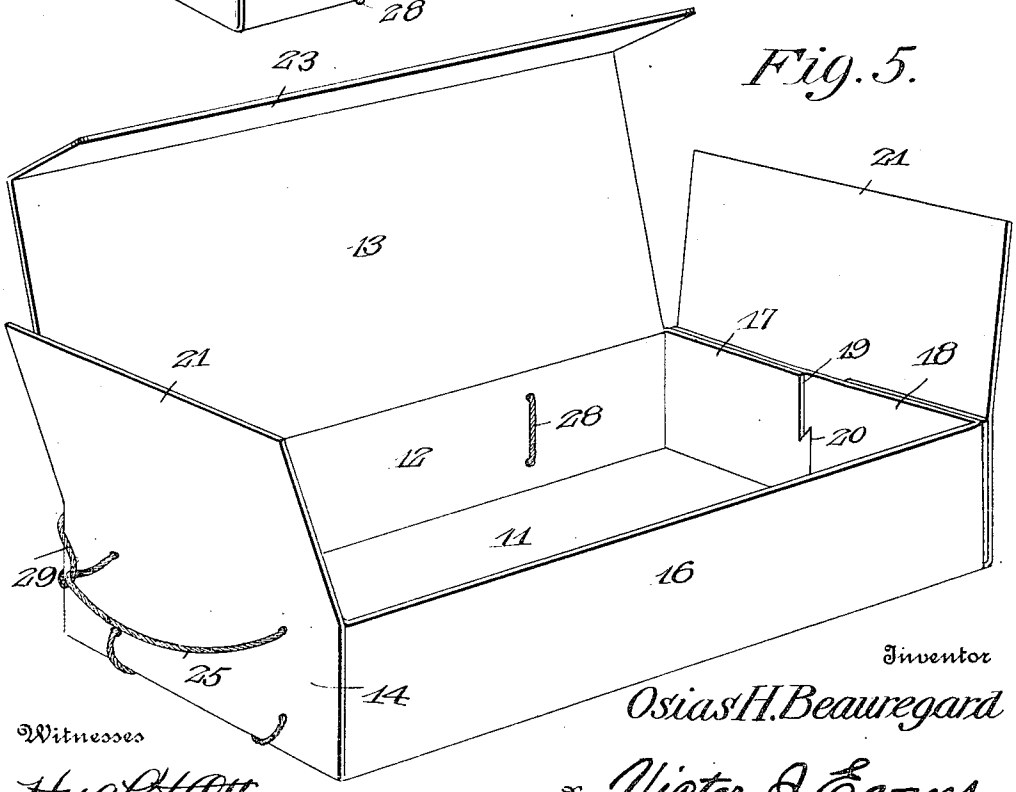


Fig. 5.



Witnesses

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3 SHEETS—SHEET 2.

Fig. 2.

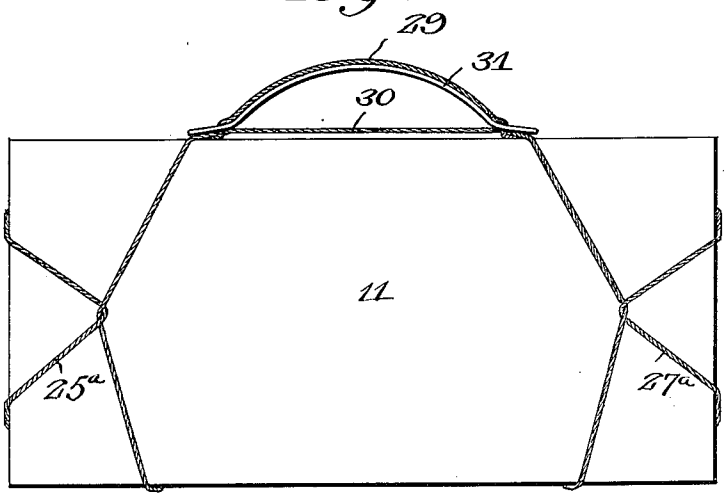


Fig. 3

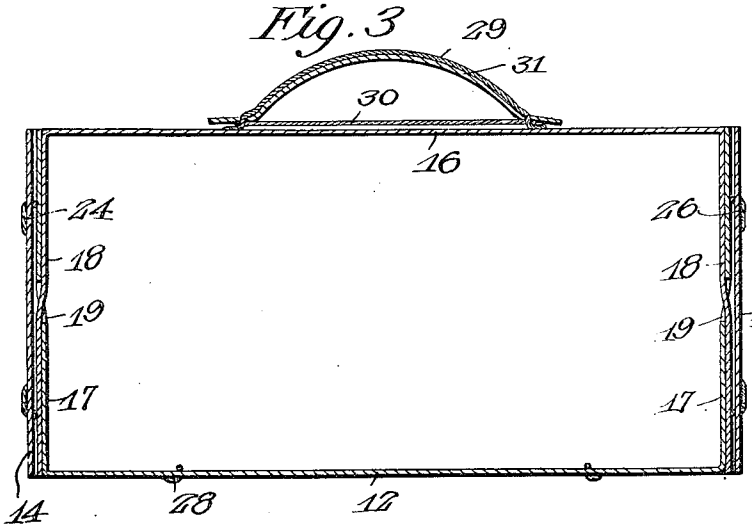
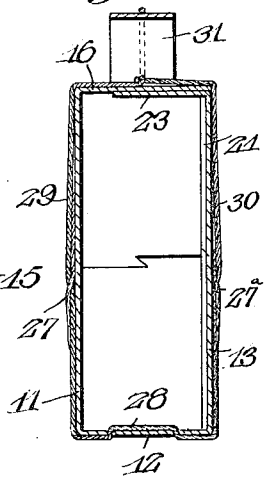


Fig. 4.



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3 SHEETS—SHEET 3.

Fig. 6.

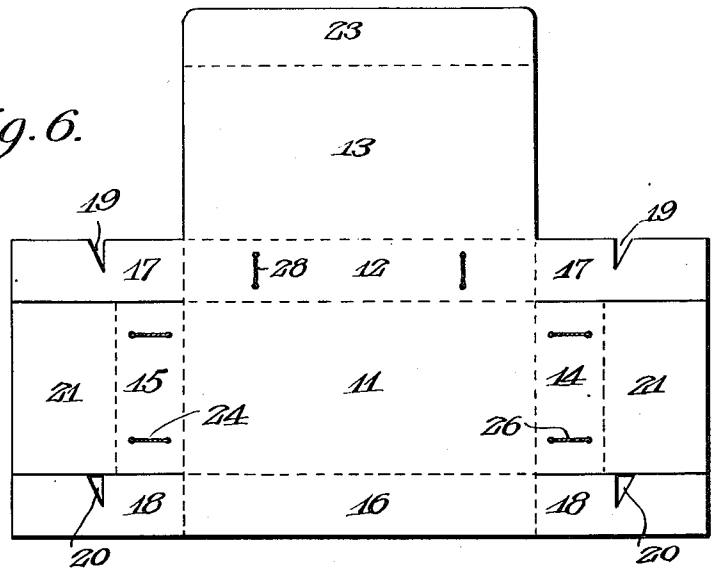
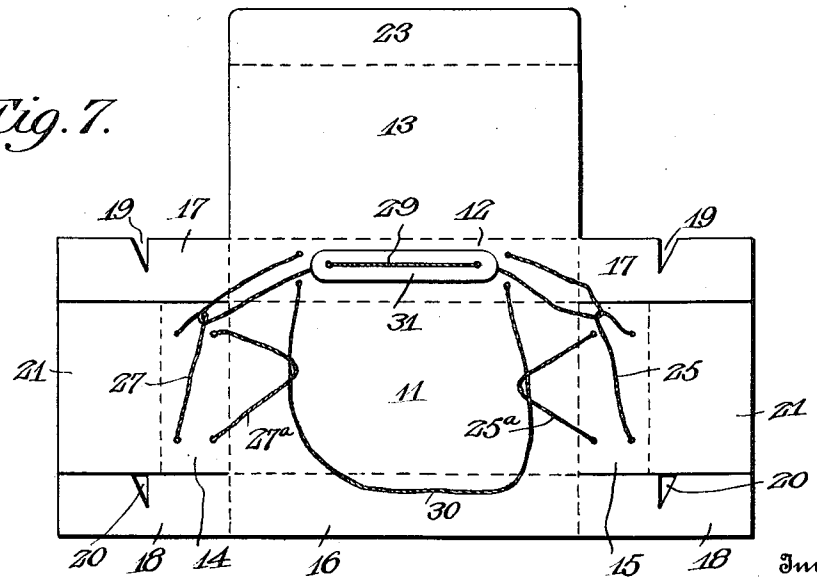


Fig. 7.



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UNITED STATES PATENT OFFICE.

OSIAS H. BEAUREGARD, OF MARLBORO, NEW HAMPSHIRE.

FOLDING BOX.

1,129,627. Specification of Letters Patent. Patented Feb. 23, 1915.

Application filed January 10, 1914. Serial No. 811,467.

To all whom it may concern:

Be it known that I, OSIAS H. BEAUREGARD, a citizen of the United States, residing at Marlboro, in the county of Cheshire and State of New Hampshire, have invented new and useful Improvements in Folding Boxes, of which the following is a specification.

The invention relates to boxes, and more particularly to boxes of the foldable type and has for an object to provide a box which normally is in the nature of a blank or flat piece of material and can be so folded and arranged to form a convenient receptacle for containing articles.

The invention contemplates, among other features, the provision of a box which, as mentioned, will initially be in the form of a flat piece of material, foldable to provide a receptacle which, in combination with suitable cords forming a securing means and a handle, will hold the box in closed position after the same has been folded and formed and also provide a convenient means for carrying the box.

In the further disclosure of the invention reference is to be had to the accompanying drawings, constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which:

Figure 1 is a perspective view of the box completed, looking at one side of the box; Fig. 2 is a side elevation looking at the other side of the box; Fig. 3 is a vertical transverse sectional view taken through the box; Fig. 4 is a vertical longitudinal sectional view; Fig. 5 is a perspective view showing the cover of the box open; Fig. 6 is a plan view of the blank from which the box is formed; and Fig. 7 is a bottom plan view of the blank.

Referring more particularly to the views, I disclose a blank 10 which, when folded, is adapted to constitute a box body which is formed to provide a side 11, a bottom 12 having weakened connection with the side 11, a cover 13 having weakened connection with the bottom 12 and ends 14 and 15 having weakened connection with the side 11, a suitable top 16 being also formed with the side 11 and having weakened connection therewith. The ends of the bottom 12 have foldable locking members 17 formed therewith, and, similarly, the ends of the top 16 have foldable locking members 18 formed therewith, the said locking members 17 and 18 being each provided with slits 19 and 20 respectively, so that when the side 11 is bent at right angles to the bottom 12 and the top 16 is bent at right angles to the side 11, the locking members 17 and 18 can be relatively engaged by passing the same through the slits 19 and 20 thereof so that the locking members will lie parallel to each other, as shown.

Flaps 21 are formed with the ends 14 and are foldable thereon so that after the blank has been folded in the manner mentioned the ends 14 can be folded against the connected locking members 17 and 18, with the flaps bent upon the ends to lie within a receptacle 22 formed by folding the bottom, sides and top, together with the ends, in the manner mentioned, the said cover 13 having a flap 23 which, when the cover is arranged to close the receptacle 22, will extend between the top 16 and the flaps 21.

Carried on the ends 14 is a continuous cord 24 passed through the flap to provide a plurality of exterior loops 25, 25^a, and, similarly, the end 15 is provided with a continuous cord 26 passed through the end to provide exterior loops 27, 27^a. A continuous cord 28 passes through the bottom 12 to form a plurality of exterior binding members 29 and 30, the binding member 29 being passed through the loops 25 and 27 and the binding member 30 being passed through the loops 25, 25^a. The binding member 29 furthermore carries a suitable handle 31, as shown. Now when the blank 10 has been folded to form the receptacle 22 and the cover 13 has been arranged in closed position, the binding members 29 and 30 passing over the cover 13 and side 11 respectively are adapted to engage at the handle 31 and the said handle, being preferably of a flexible nature, is passed through the binding member 30 so that the two binding members will be interlocked adjacent the outer side of the top 16, it being readily seen that when the binding members are so connected, the loops 25 and 27 will project across the cover of the box whereas the loops 25^a and 27^a will project across the side 11 thereof and thus the first mentioned loops, extending across joints formed by folding the cover and the flaps 21, will, together with the binding members 29 and 30, secure the box in closed and locked position and prevent accidental opening of the cover, while at

the same time, by grasping the handle 31, the box can be conveniently carried in the hand and any pull on the handle, instead of tending to loosen any parts of the box, will exert a pull upon the binding members and which, in turn, will tend to more securely lock the parts of the box together.

In order to open the box it is only necessary to disengage the binding members 29 and 30 and the handle 31 with the binding member 30, thus permitting the binding members to drop down on both sides of the box and thereby releasing the tension or pull upon the loops 25, 27 and 25^a, 27^a, so that the cover 13 can be swung into open position and the contents of the box removed.

From the foregoing description it will be apparent that my structure not only provides a box which can be cheaply manufactured and which, when in its blank or flat form, will take up very little room, but the invention also contemplates the provision of means for carrying the box when folded and simultaneously constituting a locking means for the cover and other unfoldable parts of the box to prevent the same from accidental removal relatively to the parts by which they are connected or which they engage to form the completed box.

Having thus described my invention, I claim:

In a box, the combination with a box body including a side, a bottom, a top, ends and a cover, of pairs of loops formed by passing a continuous cord through each end, with one of said loops in each pair adapted to project across the side and the other loop in each pair adapted to project across the cover, a plurality of binding members formed by passing a continuous cord through the bottom, with one of the binding members projecting across the side and passing through the loops overlapping the same, and the other binding member projecting across the cover and passing through the loops overlapping the same, the said binding members adapted to be engaged adjacent the top to hold the cover in closed position, and a handle carried by one of the binding members and having the other binding member engaging the same to secure the binding members in connected relation.

In testimony whereof I affix my signature in presence of two witnesses.

OSIAS H. BEAUREGARD.

Witnesses:

EDWARD GORGES,

HENRY H. CROTEAU.