

No. 616,848.

Patented Dec. 27, 1898.

J. A. KINGSLEY.

FOLDING BOX.

(Application filed June 8, 1897.)

(No Model.)

Fig. 1.

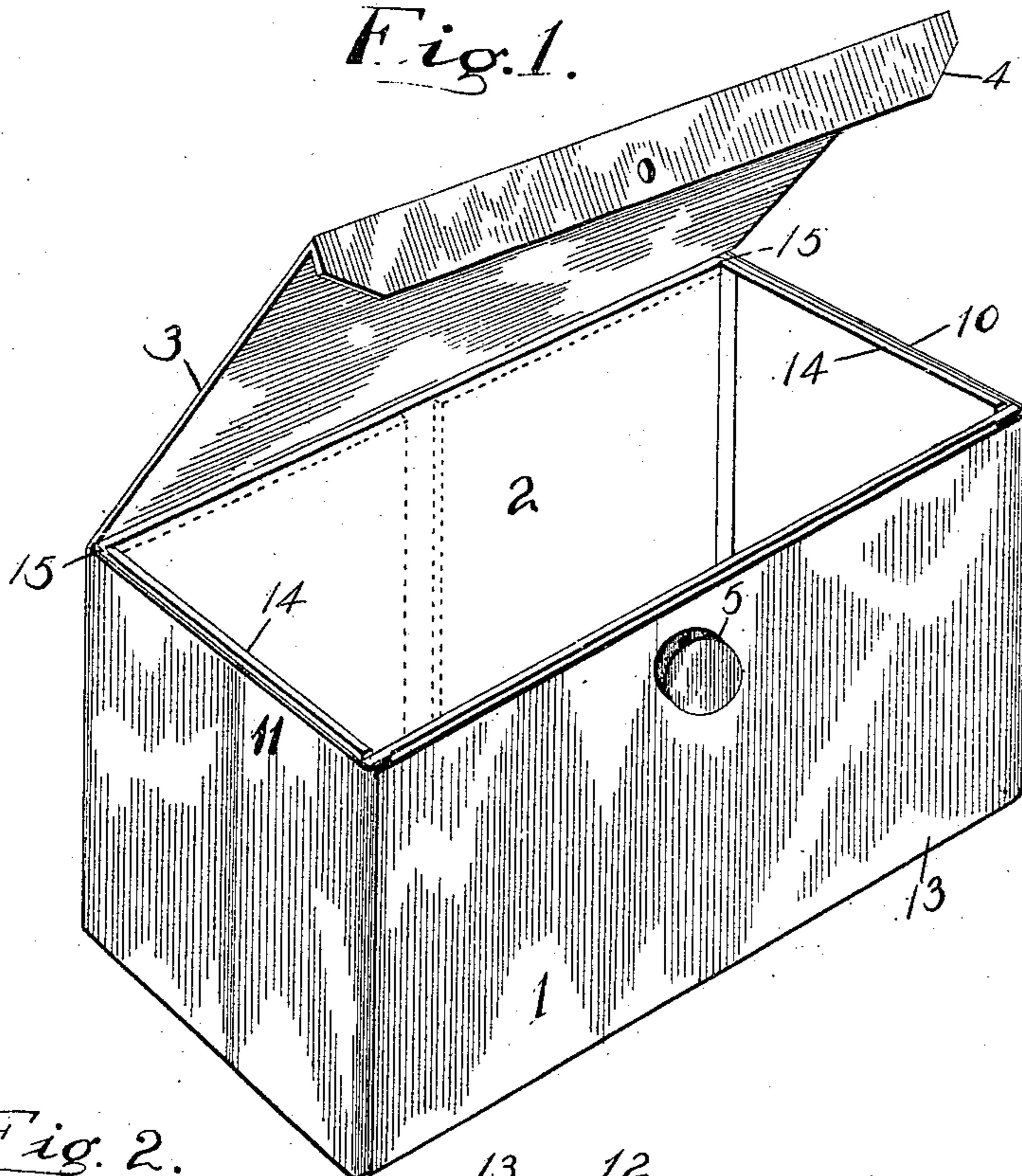


Fig. 2.

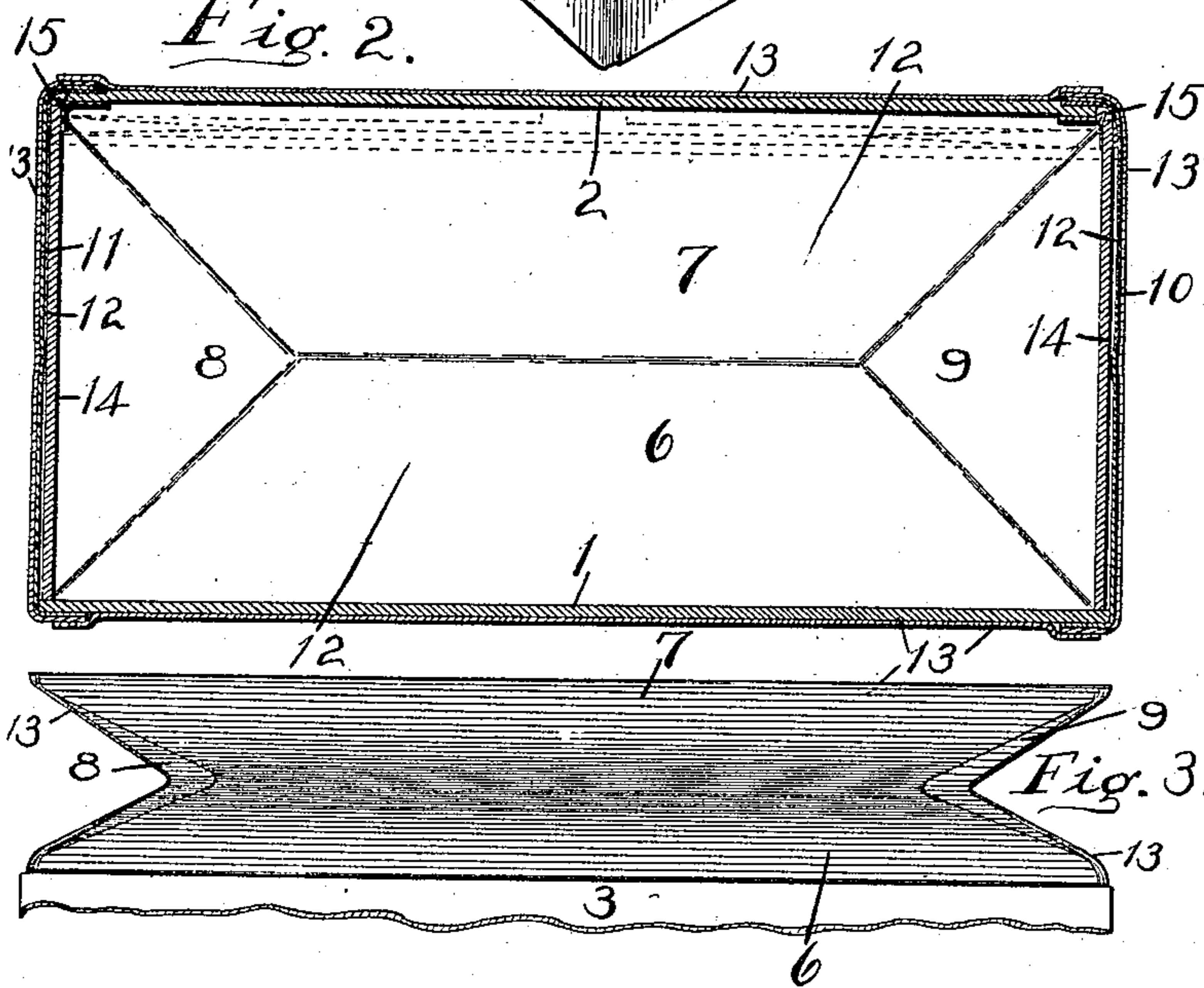


Fig. 4.

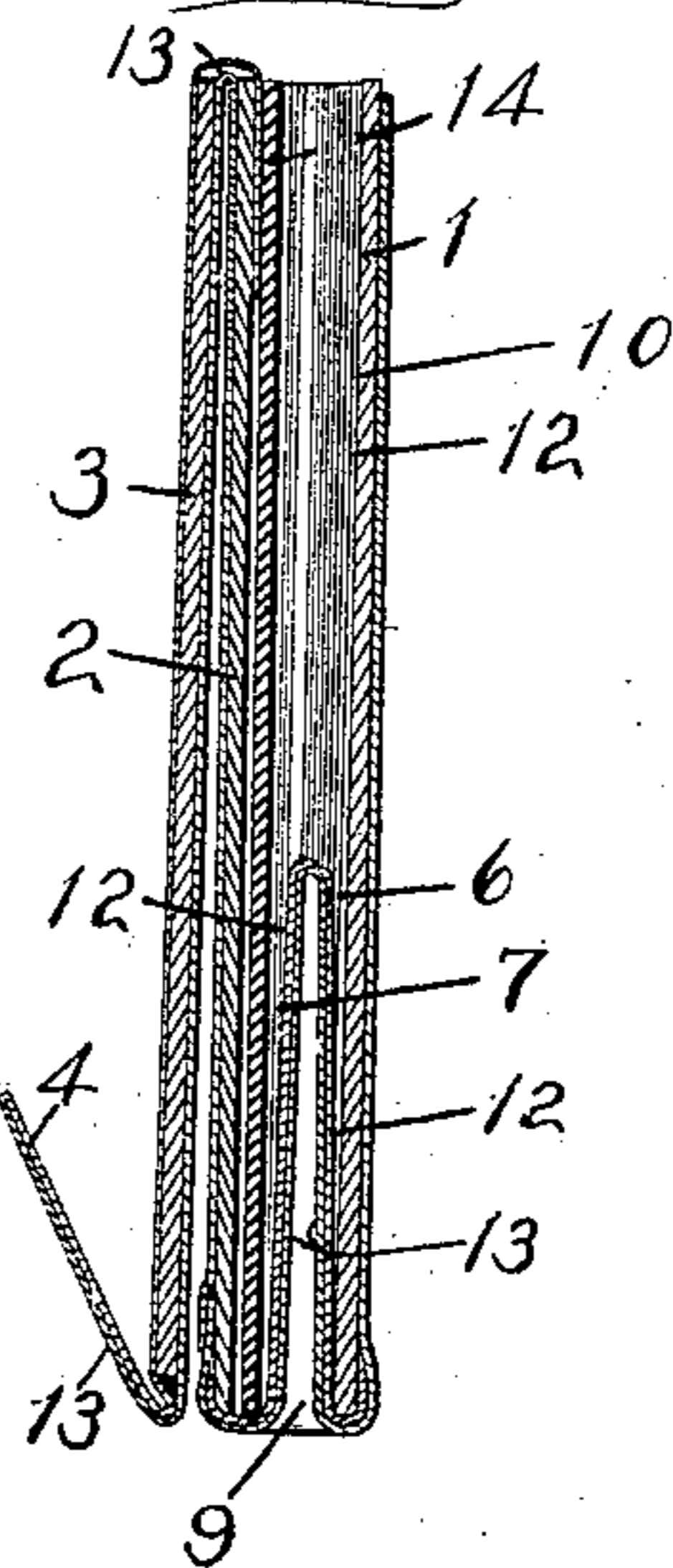


Fig. 3.

Witnesses.

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UNITED STATES PATENT OFFICE.

JAMES A. KINGSLEY, OF ROCHESTER, NEW YORK.

FOLDING BOX.

SPECIFICATION forming part of Letters Patent No. 616,848, dated December 27, 1898.

Application filed June 8, 1897. Serial No. 639,836. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. KINGSLEY, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Folding Boxes; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My present invention has for its object to provide a receptacle, particularly adapted for use as a lunch-box, which is adapted to be folded when not in use into small compass, so as to be capable of being readily carried in the pocket; and it consists in certain improvements hereinafter described, the novel features being pointed out particularly in the claims at the end of this specification.

In the drawings, Figure 1 is a perspective view of a lunch-box constructed in accordance with my invention; Fig. 2, a horizontal sectional view when extended, showing in dotted lines the position of the parts when folded; Fig. 3, a bottom plan view, partly folded; Fig. 4, a vertical sectional view of the box when folded.

Similar reference-numerals in the several figures indicate similar parts.

The front and rear sides of the box (indicated by 1 and 2, respectively) are formed of stiff material, such as millboard or cardboard, and to the top of the rear side is hinged the cover 3, having the securing-flap 4, between which latter and the front of the box is arranged a suitable fastening device, as a catch 5.

The bottom and ends of the box are of flexible material, creased, folded, or otherwise rendered flexible on the lines shown, to form the front bottom panel 6, the rear bottom panel 7, the triangular panels 8 and 9 at the ends of the bottom, and the ends of the box are composed of the panels 10 and 11, flexibly united to the triangular panels 8 and 9 and to the front and rear of the box. I prefer to make the bottom and ends of an inner lining of heavy cloth, as 12, to which is closely attached, by glue or otherwise, an exterior covering 13, of stamped cloth, leather, or other material in a single piece, that covers the box front, bot-

tom, and ends, giving the article a smooth and finished exterior.

14 14 indicate stretchers or braces of stiff cardboard or similar material hinged to the ends of either the front or rear sides of the box, (in the present instance they are hinged at 15 to the rear side,) said stretchers being equal in length to the width of the box and of substantially its depth and adapted when the box is set up to extend out against the ends and hold the parts rigidly, and when the box is collapsed or folded, as in Fig. 2 in dotted lines, to fold against the rear side, so as to occupy but little space and enable the box to be folded substantially flat, the cover being folded against the rear side.

The box described is simple and cheap and is capable of being readily extended or set up, having considerable capacity, and may be folded into small compass, so as to be readily carried in the user's pocket.

It will be understood that the boxes can be used for other purposes than lunch-boxes, though they are particularly adapted for this use, and also that other materials can be employed than cloth and cardboard.

I claim as my invention—

1. The herein-described folding box embodying the relatively stiff front and rear sides, the ends flexible at the center, hinged to the box sides and to the bottom, the bottom flexible longitudinally and flexibly connected to the sides, and the stretchers or expanders hinged to the end of one side and adapted to engage the other, substantially as described.

2. The herein-described folding box embodying the relatively stiff front and rear sides, the ends hinged to the sides and composed respectively of the panel 10 and the panel 11, said panels being each divided by relatively flexible folding-lines, the bottom hinged to the sides and divided by relatively flexible folding-lines into the panels 6, 7, 8, 9, the expanders 14 hinged to the ends of the rear sides inside the ends, and the cover 3 having the flap 4 thereon.

3. In a folding box, the combination with the front and rear sides and the hinged cover 3, of the bottom and ends composed of a single piece of material hinged to the sides and

having the folding-lines forming the panels 6, 7, 8, 9, 10 and 11, and the hinged stretchers or expanders 14 hinged to one of the sides and arranged inside the box, substantially as described.

5 4. In a folding box, the combination with the relative stiff front and rear sides, and the cover 3, of the bottom and ends composed of a single piece of material hinged to the
10 sides and having folding-lines forming the

panels 6, 7, 8, 9, 10 and 11, and the single piece of covering material extending over the front side, and the bottom and ends, and the hinged stretchers 14, substantially as described.

JAMES A. KINGSLEY.

Witnesses:

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G. O. RODA.