

No. 861,899.

PATENTED JULY 30, 1907.

A. M. RHODES.
FOLDING PAPER BOX.
APPLICATION FILED SEPT. 17, 1906.

Fig. 1.

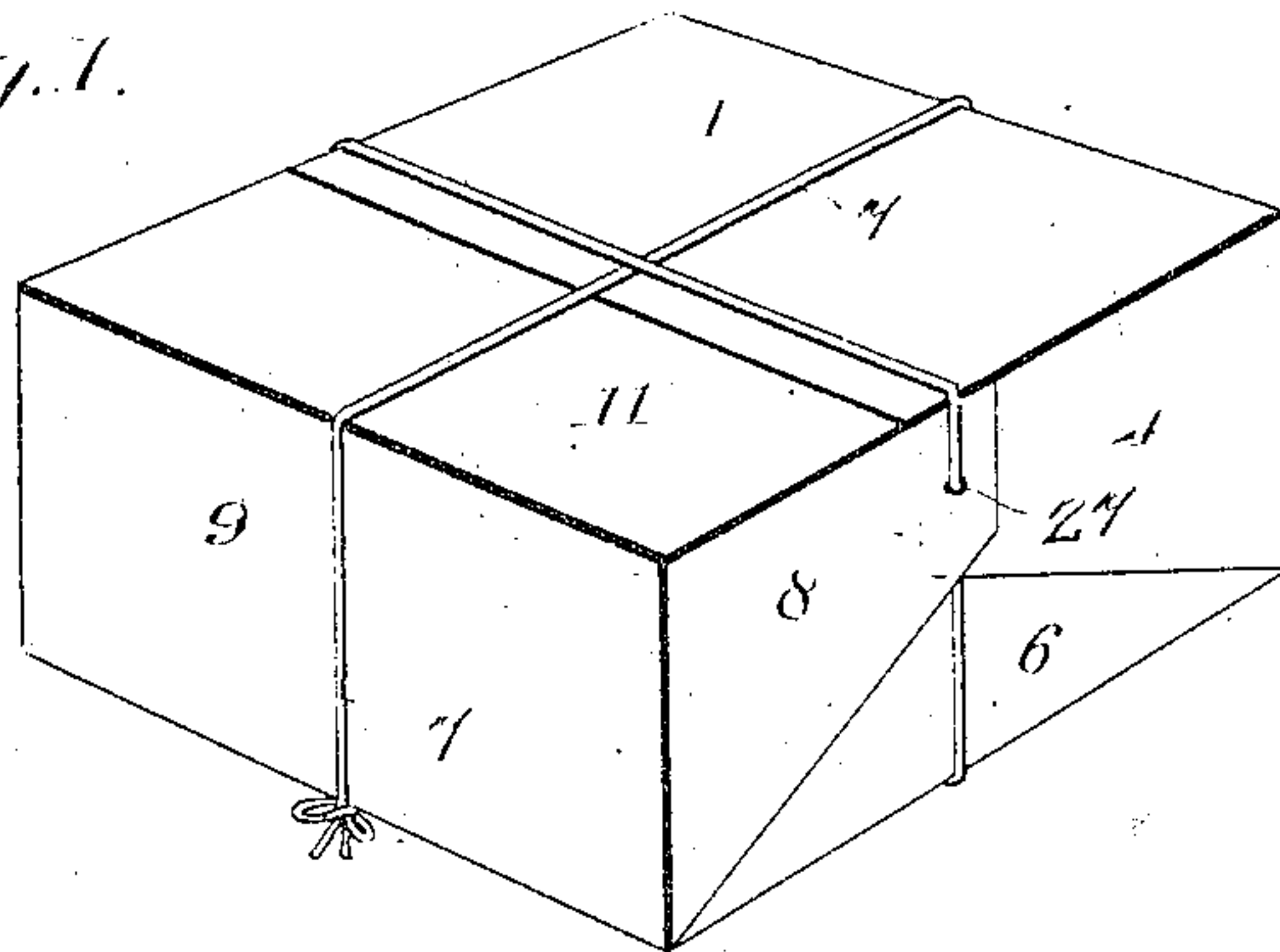


Fig. 2.

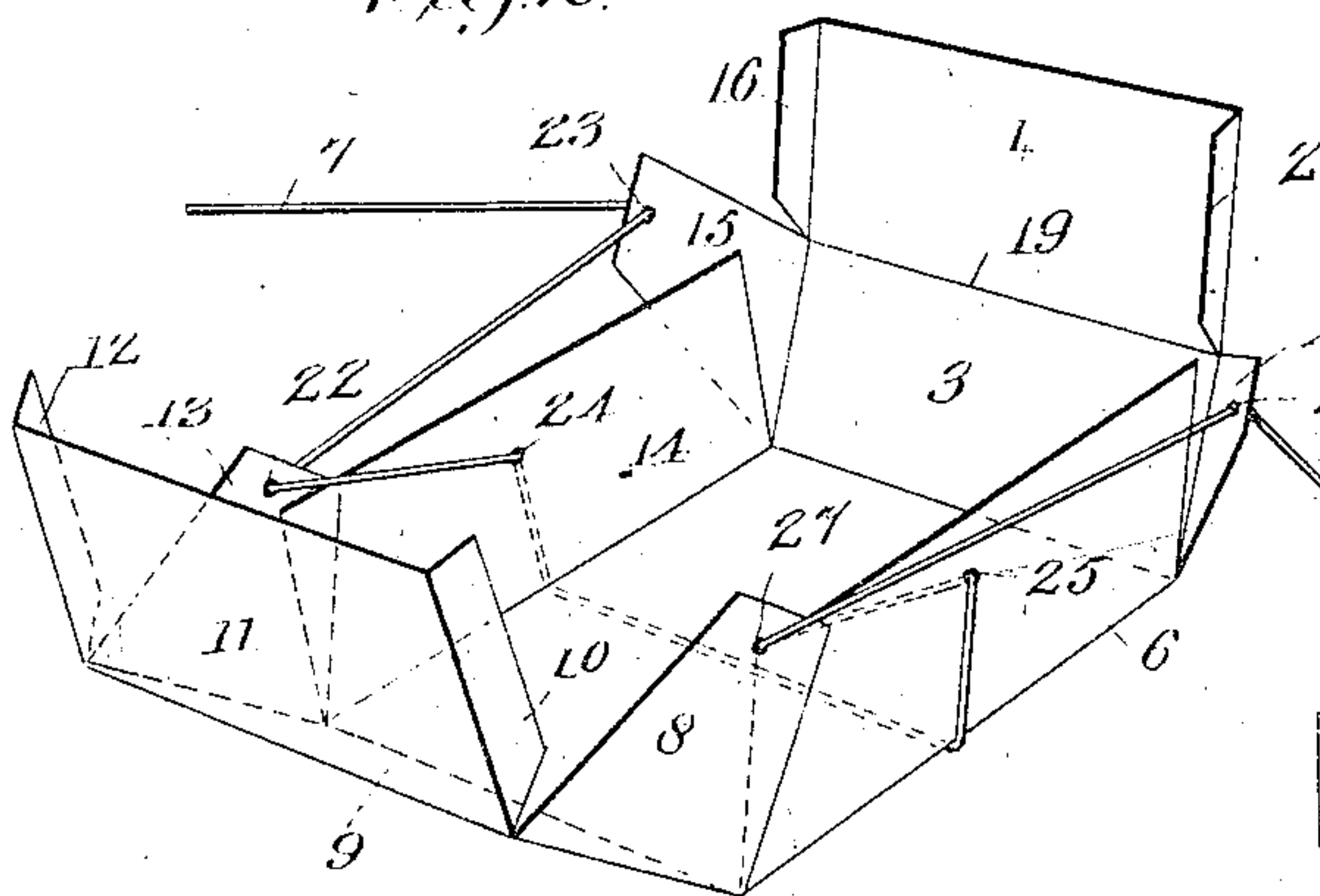


Fig. 3.

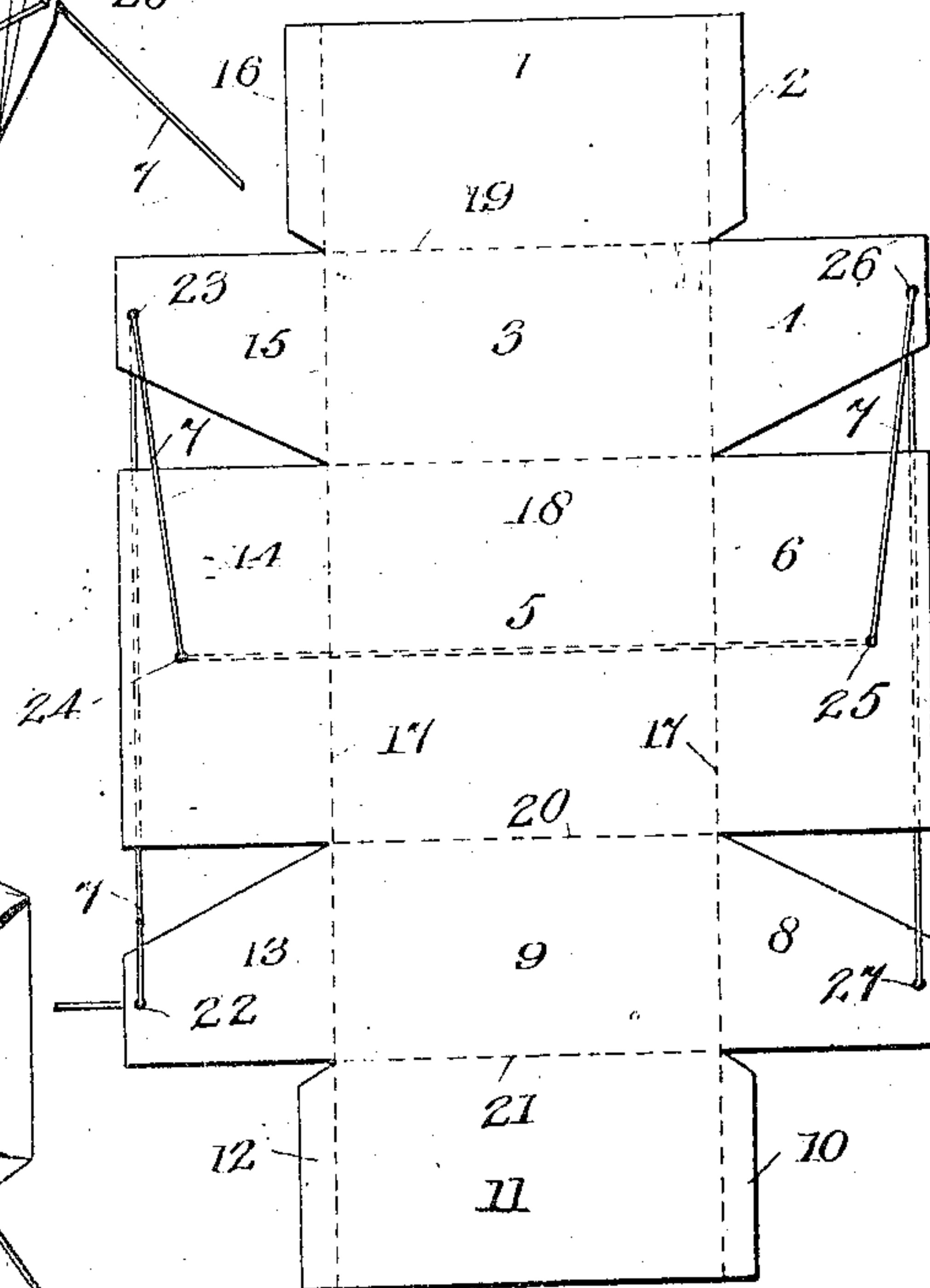
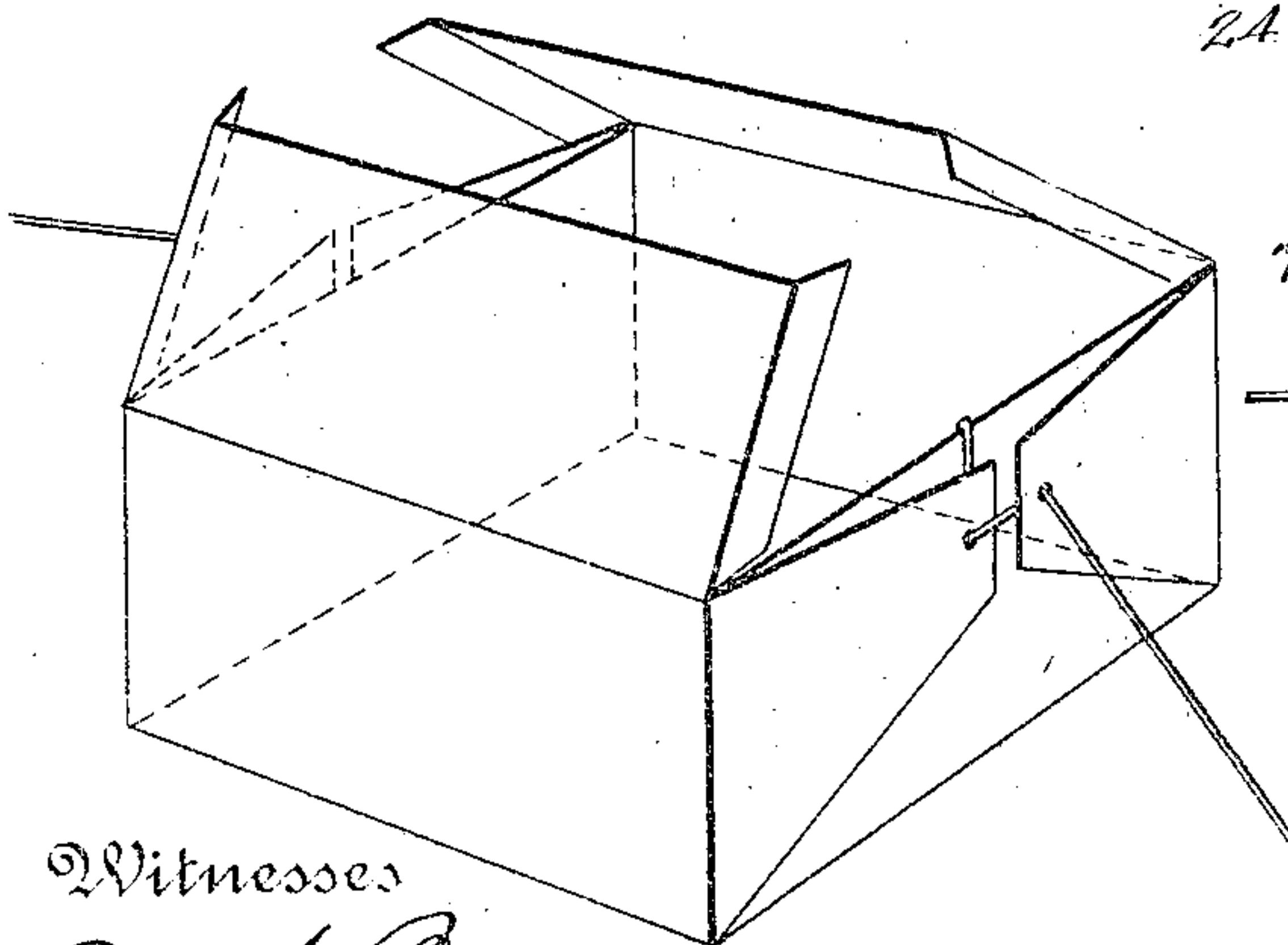


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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FOLDING PAPER BOX.

No. 861,899.

Specification of Letters Patent.

Patented July 30, 1907.

Application filed September 17, 1906. Serial No. 334,930.

To all whom it may concern:

Be it known that I, ALBERT MAY RHODES, residing at Houston, Texas, have invented a new and useful Improvement in Folding Paper Boxes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in folding paper boxes, and the object of my invention is to cut a blank from a single piece of suitable material, such as cardboard, which blank may be folded up and fastened into the form of a box without the use of any separate cover.

With this object in view, my invention consists in the construction set forth in the drawing and description, and covered by the claims.

In the accompanying drawings: Figure 1 is a perspective view of the box when assembled and secured. Fig. 2 is a view of the box when about half folded up. Fig. 3 is a view of the box when the folding has nearly been finished, and Fig. 4 is a top plan view of the blank with the fastening cord passed through it.

The blank is cut at one feed or impression from a solid sheet of cardboard by setting steel rules in the form of the press, and the blank is also scored and eyeleted at the same time, small punches being used to make the eyelets.

In the blank shown in Fig. 1, 1 represents half of the lid of the box provided with lid flanges 2 and 16 separated from the main part by weakened lines or scores.

3 and 9 represent the sides of the box, the side 3 being provided with laps 4 and 15 separated therefrom by scores or weakened lines, and the side 9 being provided with laps 8 and 13 of the same shape, but oppositely located in relation to the ends, as the laps 4 and 15, and separated from the side 9 of the box by scores or weakened lines.

5 represents the bottom of the box, and 6 and 14 represent the ends of the box, the bottom being separated from the sides by scores or weakened lines 18 and 20, and from the ends by similar scores 17. The sides of the box are similarly separated from the half lids by scores 19 and 21.

22 represents an eyelet in the lap 13, 23 a similar eyelet in the lap 15, 24 another eyelet in the end 14, 25 another eyelet in the end 6, 26 another eyelet in the lap 4, and 27 another eyelet in the lap 8, and through these

eyelets in the order named a cord or tape 7 is passed. After the cord has been passed through the eyelets the blank is ready to be set up to form a complete box. By pulling the ends of the cord the ends 6 and 14 will fold up on the scores 17, the sides 3 and 9 will fold up on the scores 18 and 20, the laps 4 and 15 will fold up on the scores 17 outside of the ends 6 and 14, and then the laps 8 and 13 will fold up on the scores 17 outside of the ends 6 and 14 slightly overlapping the laps 4 and 15. The box is then ready to have articles packed into it, the two halves of the lid 1 and 11 standing upright.

After packing the box the halves of the lid are forced down on the scores 19 and 21, the lid flanges 2, 16 10 and 12 being folded in, the lid flanges fitting between the laps 4 and 8 and end 6 on one end of the box and between the laps 13 and 15 and end 14 on the other end of the box, the box being then closed and complete, as shown in Fig. 1.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States, is:—

1. A box blank composed of a bottom, two end pieces on two sides of said bottom separated therefrom by scores, two box sides on the other sides of said bottom and separated therefrom by scores, each of said sides being provided with a beveled lap, the two laps on each box side being arranged symmetrically with respect to each other, and the corresponding laps on the two box sides being arranged symmetrically with respect to each other, a half lid attached to each of said box sides and separated therefrom by scores, each half lid having flanges on two of its sides separated from said lid by scores, said flanges each having a beveled end, and said flanges being arranged symmetrically with respect to each other on each half lid and on the other half lid, the blank being provided with eyelets in the box ends and side laps for the passage of a cord or tape, substantially as described.

2. A folding box, comprising a box blank, and a cord or tape passing through suitably arranged eyelets therein, so that a complete box is made from a single blank, said blank comprising a bottom, ends therefor adapted to fold up, sides therefor adapted to fold up, each of said sides being provided with two similarly arranged beveled laps, half lids each provided with two foldable flanges, said half lids being secured to said box sides, and the ends of the box and each of the foldable laps on the sides of the box being provided with eyelets through which said cord passes, substantially as described.

Signed at Houston, Texas.

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