

W. H. WOLF.

FOLDING CRATE.

APPLICATION FILED MAY 25, 1908.

Patented Dec. 1, 1908

2 SHEETS—SHEET 1.

905,779.

FIG. 1

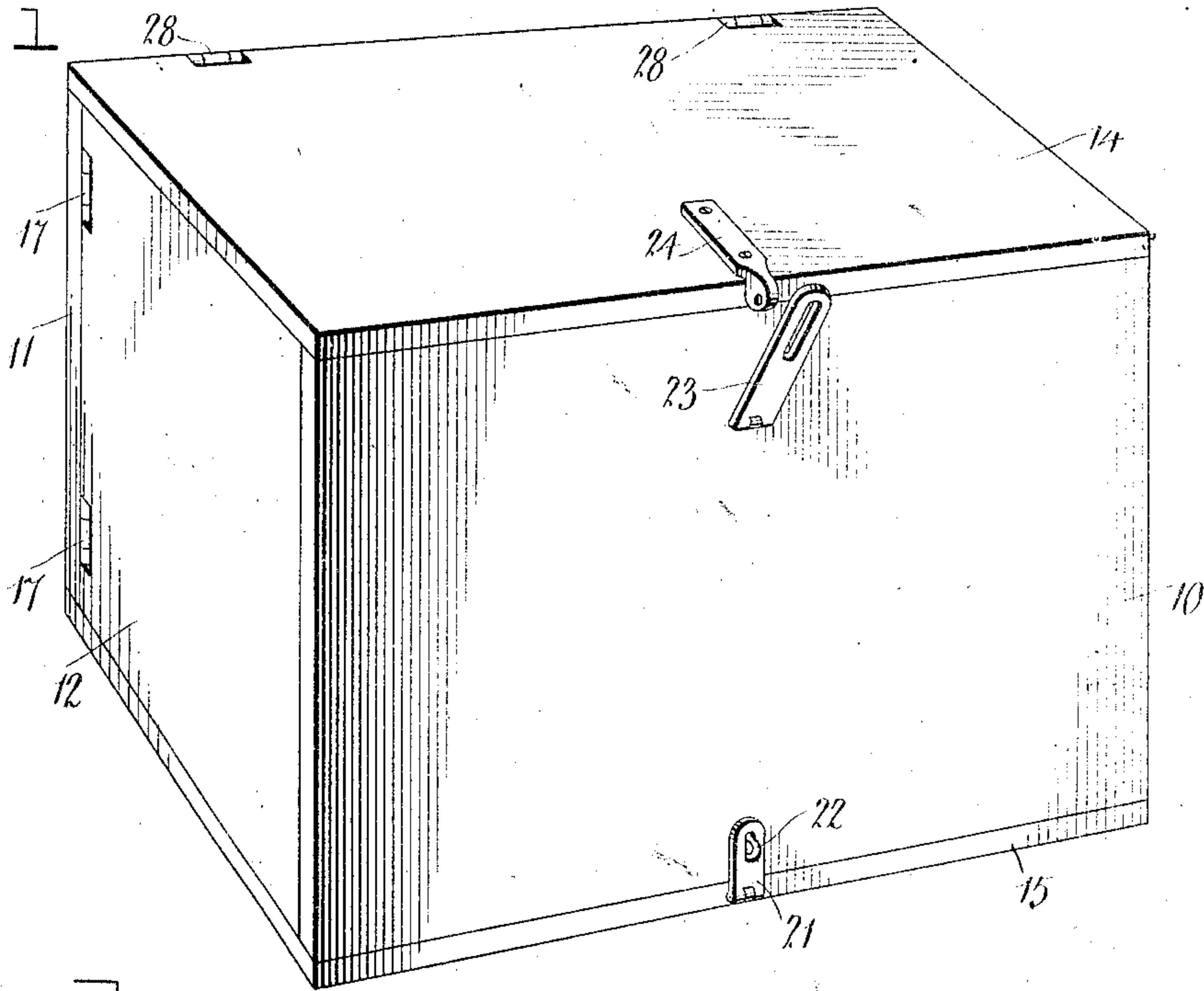
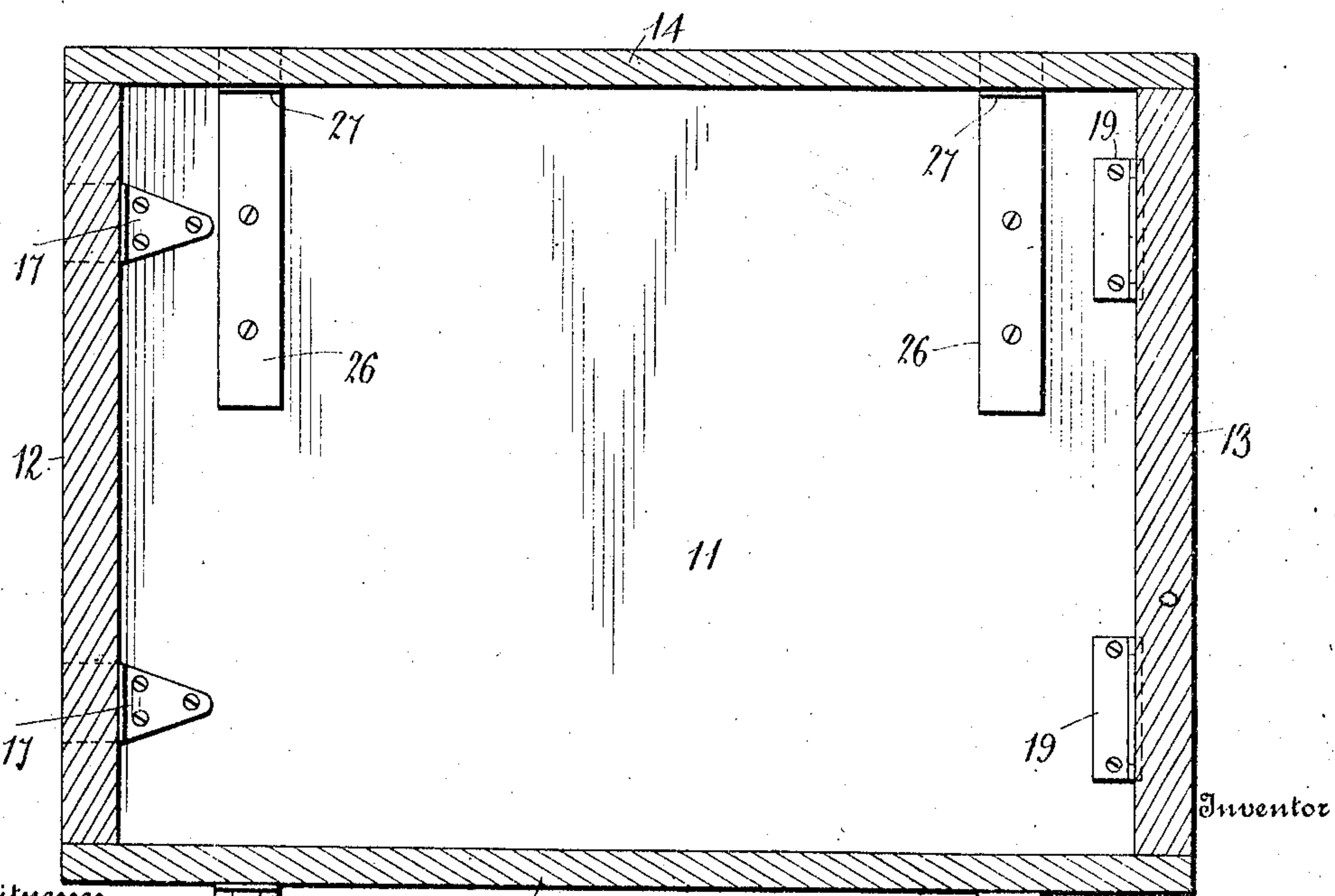


FIG. 2



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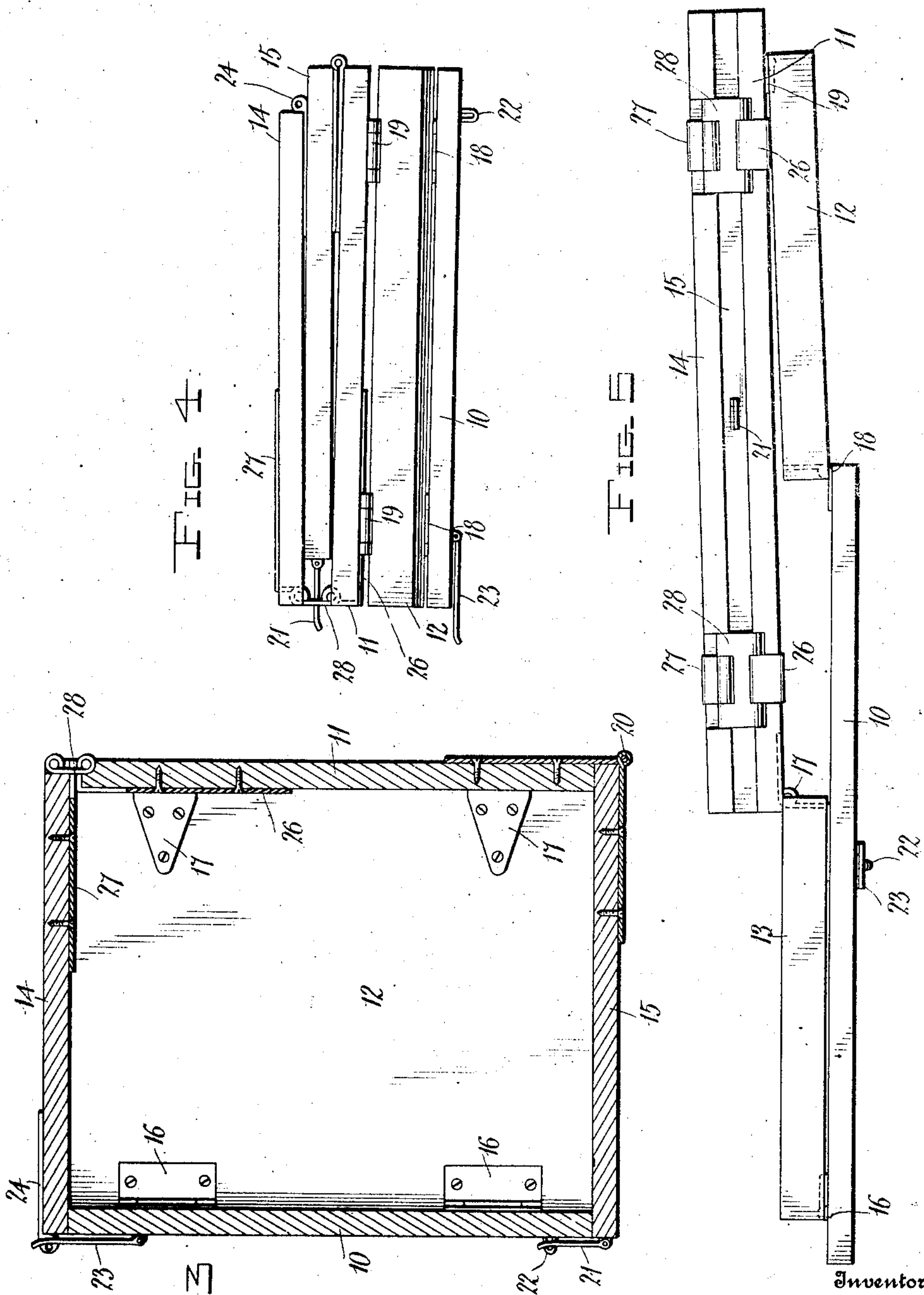
By

William H. Wolf.
Attorney

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Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM H. WOLF, OF PHILIPSBURG, PENNSYLVANIA.

FOLDING CRATE.

No. 905,779.

Specification of Letters Patent.

Patented Dec. 1, 1901

Application filed May 25, 1902. Serial No. 434,916.

To all whom it may concern:

Be it known that I, WILLIAM H. WOLF, a citizen of the United States, residing at Philipsburg, in the county of Center, State of Pennsylvania, have invented certain new and useful Improvements in Folding Crates; 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.

This invention relates to folding boxes, or crates, and has for one of its objects to improve and simplify the construction of devices of this character.

Another object of the invention is to provide a simply constructed device of this character which may be readily collapsed when not in use for shipment or storage, or which may be arranged in box form when required for use.

With these and other objects in view the invention consists in certain novel features of construction as hereafter shown and described, and then specifically pointed out in the claims, and in the drawings illustrating the preferred embodiment of the invention, Figure 1 is a perspective view of the device in position for use. Fig. 2 is a vertical sectional view looking toward the back. Fig. 3 is a transverse section. Fig. 4 is an end view of the device in folded position. Fig. 5 is a side view of the device in folded position.

The improved device comprises a front member 10, a back member 11, end members 12—13, a top member 14, and a bottom member 15. The end 12 is coupled to the front 10 by hinges 16 arranged inside the box, and the back 11 by hinges 17 arranged outside the box, while the end 13 is coupled to the front 10 by the hinges 18 arranged outside the box and to the back 11 by the hinges 19 arranged inside the box, this arrangement of the hinges enabling the front, back and ends to be collapsed and the parts disposed in parallel relations as shown in the folded positions. The bottom 15 is swingingly connected to the back 11 by hinges 20, so that the top will fold over the bottom and lie flat thereon when the box is folded. The bottom 15 is provided at

the edge opposite to the hinges 20 with suitable catches such as hasps 21 and hooks 22, while the top 14 is likewise provided with similar detachable fastening means 23—24. The top 14 is swingingly united to the back 11 by double hinges formed with leaves 26—27 connected by an intermediate leaf 28, the outer leaves connected respectively to the top and back, so that when the box is folded, the top will fold over the folded bottom and lie flat thereon. By this arrangement it will be noted that a very compact and simply constructed folding box is produced which may be manufactured of any required size and of any suitable material, and adapted to contain merchandise and securely protect the same during shipment, and the box folded into a small space to be returned to the shipper with the top on one side and the bottom on the other side.

What is claimed, is:—

1. A folding box comprising a front back and ends hingedly united to fold in parallel relations with the parts superimposed, a bottom hingedly united to the back and foldable over the same and the top hingedly united to the back and foldable over the folded bottom and detachable catches carried by the bottom and adapted to engage the front at one edge, and detachable catches carried by the top and adapted to engage the front at the other edge.

2. A folding box comprising a front back and ends hingedly united to fold in parallel relations with the parts superimposed, a bottom hingedly united to the back and foldable over the same, a top hingedly united to the back and foldable over the folded bottom by hinges each of which has an intermediate section whereby the top is foldable over the folded bottom, detachable catches carried by the bottom and adapted to engage the front at one edge, and catches carried by the top and adapted to engage the front at the other edge.

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

WILLIAM H. WOLF.

Witnesses:

W. D. CROSBY,
ALBERT SCOTT.