

No. 850,537.

PATENTED APR. 16, 1907.

N. J. McLEOD,
GRATE.

APPLICATION FILED MAR. 5, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

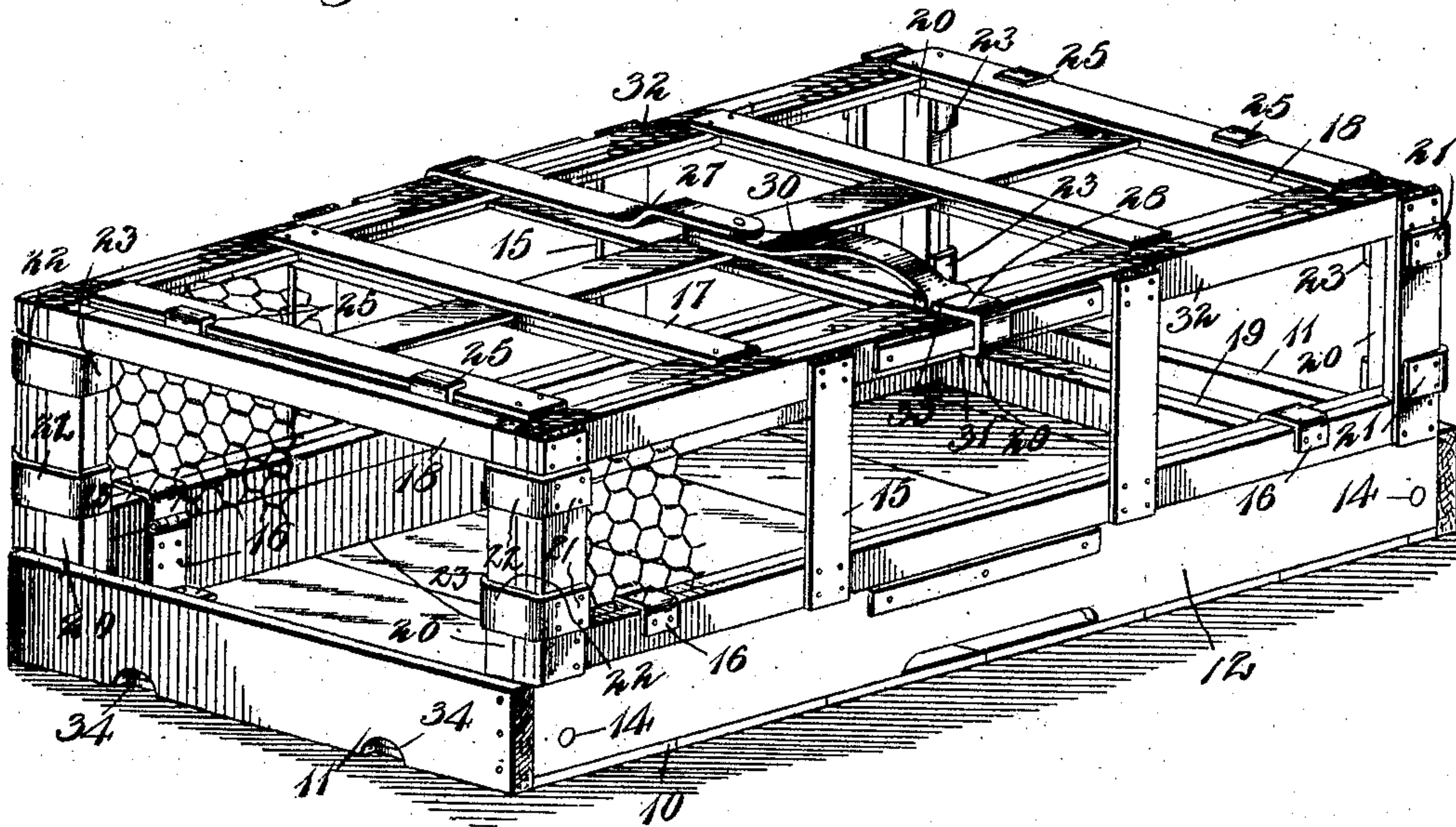
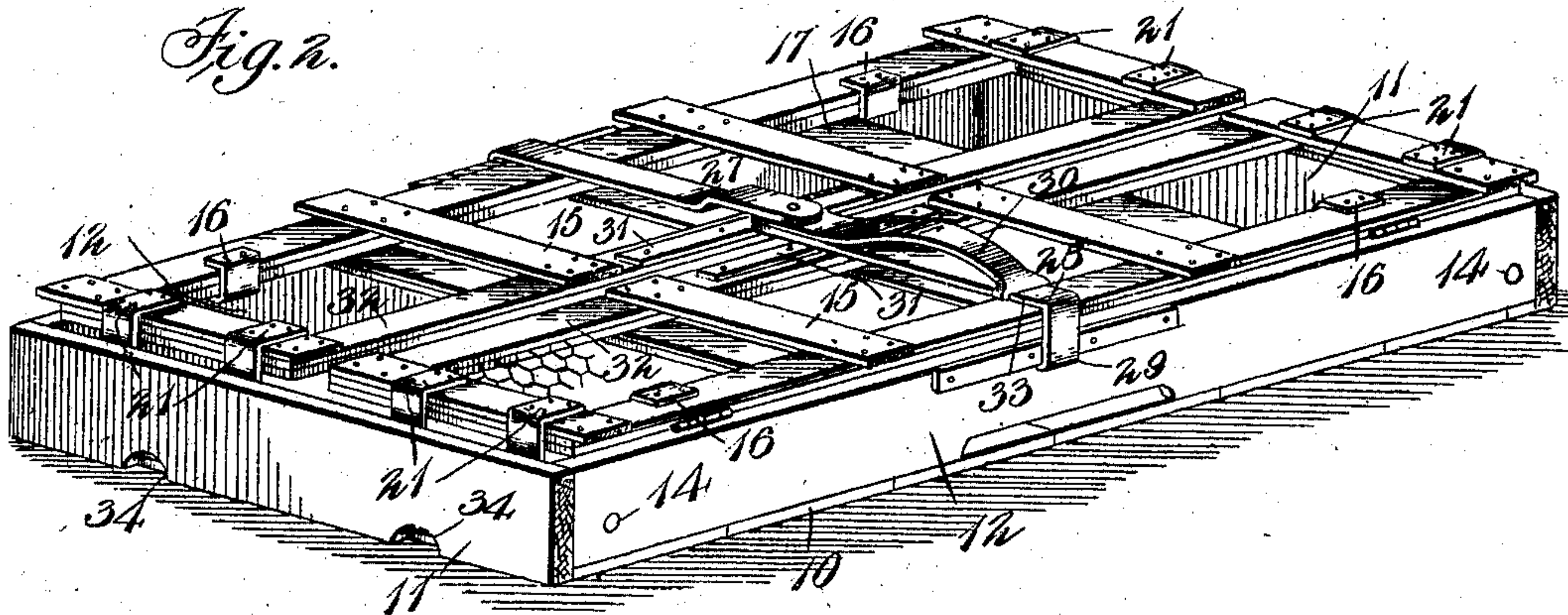


Fig. 2.



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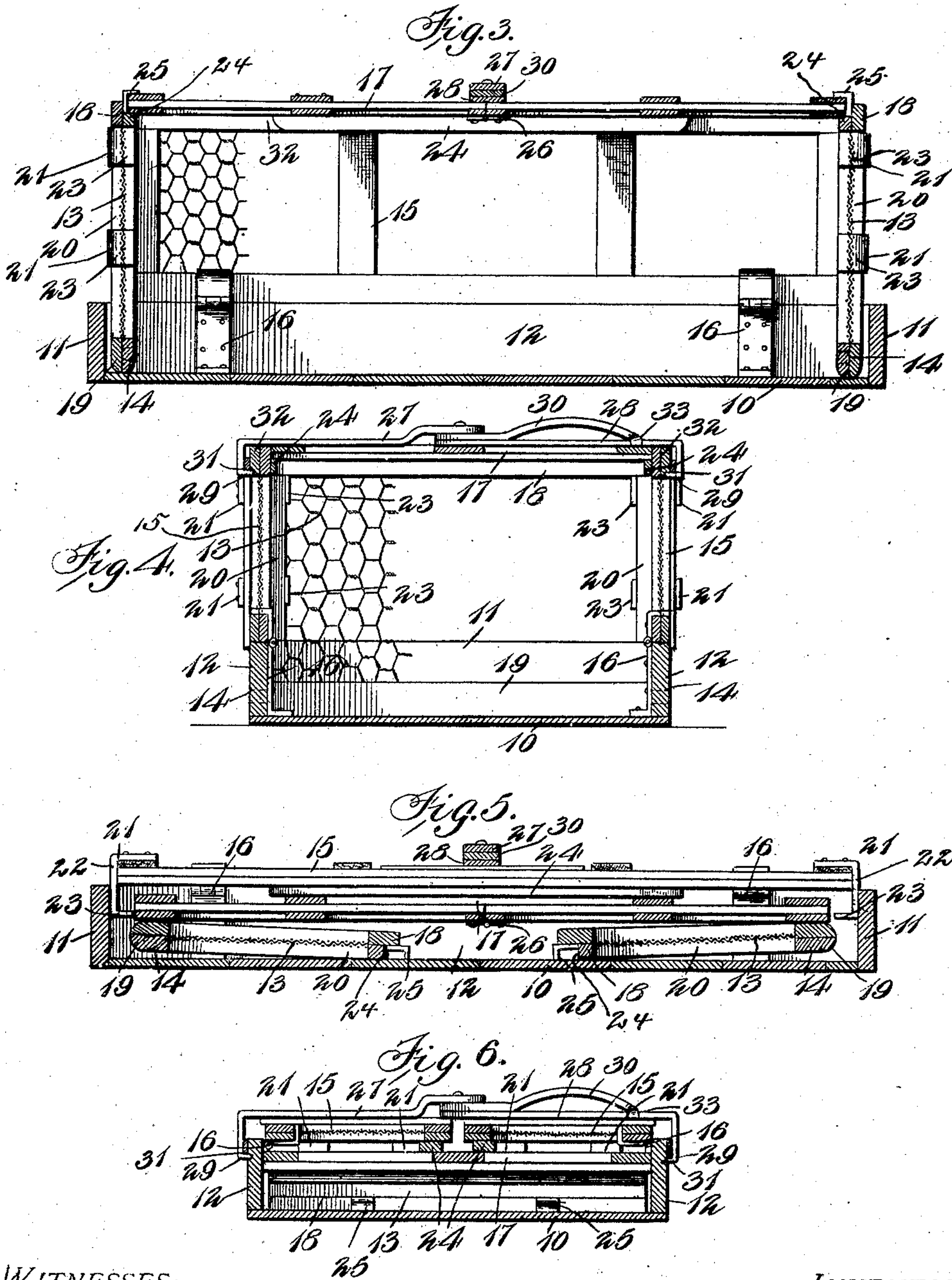
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NORMAN J. McLEOD, OF ROCK ISLAND, TEXAS, ASSIGNOR OF ONE-HALF TO
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CRATE.

No. 850,537.

Specification of Letters Patent.

Patented April 16, 1907.

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To all whom it may concern:

Be it known that I, NORMAN J. McLEOD, a citizen of the United States, residing at Rock Island, in the county of Colorado and State of Texas, have invented new and useful Improvements in Crates, of which the following is a specification.

This invention is a crate, and more particularly one which can be knocked down or folded into a small and compact form for convenience in shipping.

The object of the invention is to provide a crate of this kind embodying certain novel features of construction hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of the crate set up. Fig. 2 is a perspective view showing the crate folded. Fig. 3 is a longitudinal section, and Fig. 4 is a transverse sectional view, of the crate in set-up position. Fig. 5 is a longitudinal section, and Fig. 6 is a transverse section, of the crate in folded position.

Referring specifically to the drawings, 10 denotes the bottom of the crate. Secured to the four edges of the bottom are ledges 11 and 12, the ledges 11 being at the ends and the ledges 12 at the sides. The lower ends of the end walls 13 of the crate extend behind the ledges 11 and have projecting pins 14, which extend into holes in the ledges 12, whereby said end walls are pivoted to the ledges 12. The side walls 15 of the crate are hinged, as at 16, to the ledges 12. The top of the crate is indicated as at 17.

The end walls of the crate comprise top and bottom bars or slats 18 and 19, respectively, and end bars 20, to which a wire fabric is secured. These bars are doubled, and the wire fabric extends therebetween. The side walls and top of the crate are similarly constructed.

For holding the crate in set-up position angular metal straps 21 are provided. These are fastened to each end of the side walls near the top and bottom thereof. The straps extend over the corners of the crate and the bars 20 of the end walls, as at 22. The parts 22 of the straps are formed with hooks 23, which engage the inner edges of the bars 20. The hooks 23 of the top straps also engage the bottom edges of the top bars 18 of the end walls, so that when the crate is lifted by its

sides the weight will be taken off the hinges 16. By extending the straps 21 over the corners of the crate, as shown, they are also made to serve as stays for strengthening the same.

The top 17 of the crate fits between the side and end walls, being supported on seats 24 thereon. Hooks 25 are secured to the end walls, under which the top extends when it is in position on the crate, whereby it is securely held in place. The top is in two sections, which are hinged together, as at 26. Upon placing the ends of the top under the hooks 25 and pressing down to straighten out the top it will be jammed tightly against the end walls. When the top is in position, the side and end walls are secured against collapsing inwardly, and the corner-stays 21 effectively prevent outward collapse thereof.

Additional means for holding the parts together comprising oppositely-extending clamping-bars 27 and 28, having their outer ends formed with hooks 29 and pivotally connected at their inner ends to a lever 30. In use the clamp is placed on top of the crate, with the hooks engaging recesses 31 in the top bars 32 of the side walls. The lever is then swung around to draw the clamping-bars inwardly, whereby the walls of the crate will be tightly clamped together. The outer end of the lever 30 is notched, as at 33, to engage one of the clamping-bars, whereby it is locked. The clamp herein described can be used when the crate is in set-up or knock-down position. In the latter position the clamping-bars engage the ledges 12.

To knock down the crate, the end walls are folded inwardly upon the bottom of the crate and the side walls are folded inwardly over the end walls. The height of the ledges 12 is such that when the side and end walls are folded as stated there will be sufficient space between said parts to receive the top of the crate. After the parts are folded as stated the clamping-bars are applied, which secures the crate in knockdown position. The ledges 11 have hand-holes 34.

I claim—

1. In a crate, the combination with folding side and end walls, hooks on opposite walls, and a sectional top with a toggle-joint between the sections for extending the free ends thereof under the aforesaid hooks.

2. In a crate, the combination with fold-
ing side and end walls, said end walls having
top, bottom and end bars, of hooks extending
from the ends of the side walls and over end
5 bars and engaging the bottom of the top bars
of the end walls.

In testimony whereof I have signed my

name to this specification in the presence of
two subscribing witnesses.

NORMAN J. McLEOD.

Witnesses:

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D. C. LUNDY.