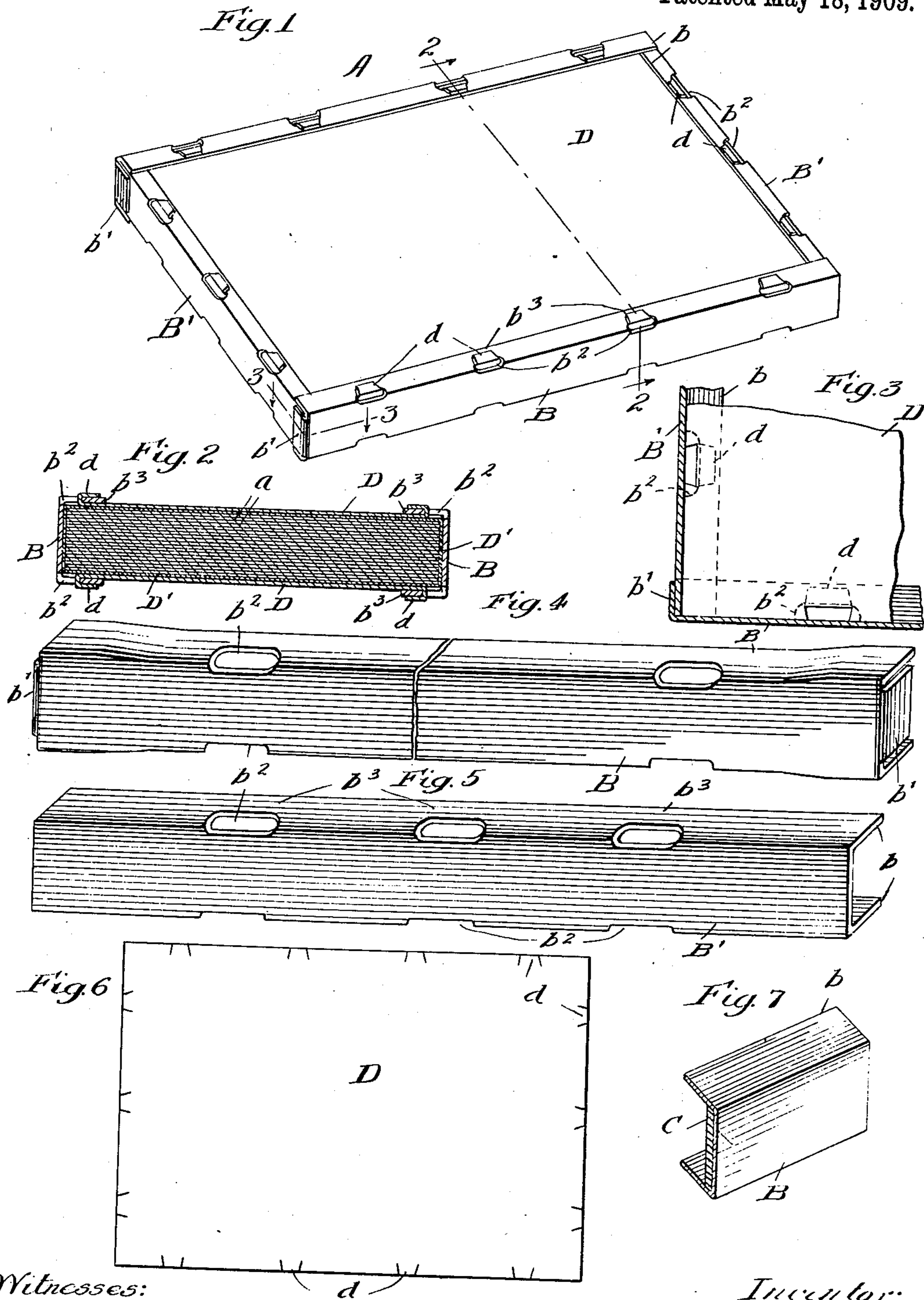


J. G. HODGSON.
 HOLDER FOR SHIPMENT OF TIN PLATE OR OTHER THIN SHEETS.
 APPLICATION FILED NOV. 22, 1907.

921,700.

Patented May 18, 1909.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN G. HODGSON, OF MAYWOOD, ILLINOIS, ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

HOLDER FOR SHIPMENT OF TIN-PLATE OR OTHER THIN SHEETS.

No. 921,700.

Specification of Letters Patent.

Patented May 18, 1909.

Application filed November 22, 1907. Serial No. 403,265.

To all whom it may concern:

Be it known that I, JOHN G. HODGSON, a citizen of the United States, residing in Maywood, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Holders for Shipment of Tin-Plate or other Thin Sheets, of which the following is a specification.

My invention relates to holders or packages for shipment of tin plate or other thin sheets.

It consists in a plurality of flanged channelled bars of sheet metal adapted to be slipped over the side and end edges of the pile or package of sheets in connection with outer connecting sheets having clenching lips, tongues or slotted portions at the edges inserted through openings in the flanges of the channel bars and operating to rigidly and firmly connect the channel bars or pieces together.

It further consists in the novel construction of parts and devices and in the novel combinations of parts and devices herein shown and described and more particularly set forth in the claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of a tin plate holder embodying my invention; Fig. 2 is a cross section on line 2—2 of Fig. 1; Fig. 3 is a partial horizontal section on line 3—3 of Fig. 1; Fig. 4 is a detail perspective view of one of the side channel bars or pieces; Fig. 5 is a similar view of one of the end channel bars or pieces; Fig. 6 is a detail plan view of one of the connecting sheets; and Fig. 7 illustrates a modified construction of the channel pieces or bars.

In the drawing A represents a shipping unit, pile or package of tin plate or other sheets *a* of any desired or customary size, such for example as 14 by 20 inches, or 20 by 28 inches, and containing any desired number of sheets, as 112, and of any convenient weight, such as 100 pounds or 180 pounds, for example.

B and B¹ are the channel bars for the side and end edges of the pile or package A of sheets *a*, the same having each an upper and lower side flange *b*, and one pair, preferably the side pair, having also end flanges *b*¹ for the ends of the side bars B to fit or abut against. The side flanges *b* of the bars B B¹ are furnished with a series of openings *b*²

therein through which clenching lips or tongues *d* on the upper and lower connecting sheets D D are inserted and bent or clenched down over the margins *b*³ of said openings. The connecting sheets D, which are preferably of black or untinned sheet metal, serve not only to rigidly and firmly connect the channel pieces or bars B B¹ together, but also to cover and protect the tin plate from injury. I prefer also to provide cover sheets D¹ D¹ of water-proof paper, paper-board, or other suitable material, within the connecting sheets D D so as to effectually exclude wet, or dirt from entering at the openings in the connecting sheets D formed by the clenching lips or tongues *d*.

The channel bars or pieces are preferably made of galvanized sheet steel of a weight or thickness adequate to properly protect the corners and side and end edges of the heavy pile or package A of thin metal sheets *a*. If desired, or preferred however, the channel bars or pieces B B¹ may be made of thin metal sheets, such as No. 30 gage iron, and strengthened and stiffened with reinforcing strips C of wood, or other suitable material, fitting inside the channel pieces or bars B B¹, as indicated in the modification shown in Fig. 7.

I claim:

1. A holder for shipment of tin plate or other thin sheets in piles or packages, consisting in channel pieces embracing the side and end edges of the pile or package, and upper and lower connecting sheets furnished with clenching lips on their several rectangular edges extending through and engaging said channel pieces, substantially as specified.

2. A holder for shipment of tin plate or other thin sheets in piles or packages, consisting in channel pieces embracing the side and end edges of the pile or package, said channel pieces having openings through the flanges thereof, and connecting sheets having clenching lips on their several rectangular edges inserted through said openings in said channel pieces, substantially as specified.

3. A holder for shipment of tin plate or other thin sheets in piles or packages, consisting in channel pieces embracing the side and end edges of the pile or package, upper and lower connecting sheets furnished with clenching lips on their several rectangular edges extending through and engaging said channel pieces, and supplemental cover

sheets within the connecting sheets, substantially as specified.

4. A holder for shipment of tin plate or other thin sheets in piles or packages, consisting in channel pieces embracing the side and end edges of the pile or package, said channel pieces having openings through the flanges thereof, connecting sheets having clenching lips on their several rectangular edges inserted through said openings in said channel pieces, and supplemental cover sheets within the connecting sheets, substantially as specified.

5. A holder for shipment of thin sheets, consisting in side and end channel pieces embracing the side and end edges of the pile or package of sheets, one pair of said channel pieces having end flanges, embracing the ends of the other pair and upper and lower connecting sheets, substantially as specified.

6. A holder for shipment of thin sheets consisting in side and end channel pieces embracing the side and end edges of the pile

or package of sheets, one pair of said channel pieces having end flanges embracing the ends of the other pair and upper and lower connecting sheets, and means for attaching the edges of the connecting sheets to the flanges of the channel pieces, substantially as specified.

7. A holder for shipment of thin sheets consisting in side and end channel pieces embracing the side and end edges of the pile or package of sheets, one pair of said channel pieces having end flanges embracing the ends of the other pair and upper and lower connecting sheets, means for attaching the edges of the connecting sheets to the flanges of the channel pieces, and supplemental cover sheets inside the connecting sheets, substantially as specified.

JOHN G. HODGSON.

Witnesses:

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