

No. 670,265.

Patented Mar. 19, 1901.

M. WOERNER.  
WOODEN BOX.

(Application filed July 13, 1900.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

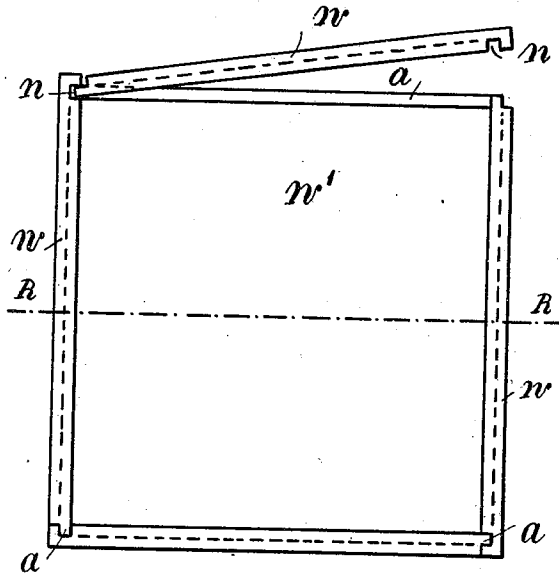
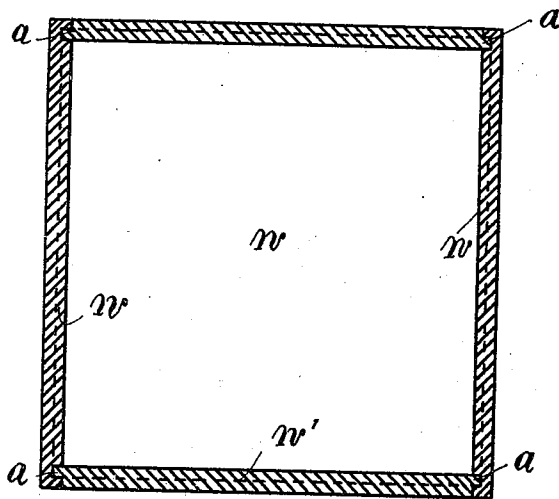


Fig. 2.

Section R R.



Witnesses:

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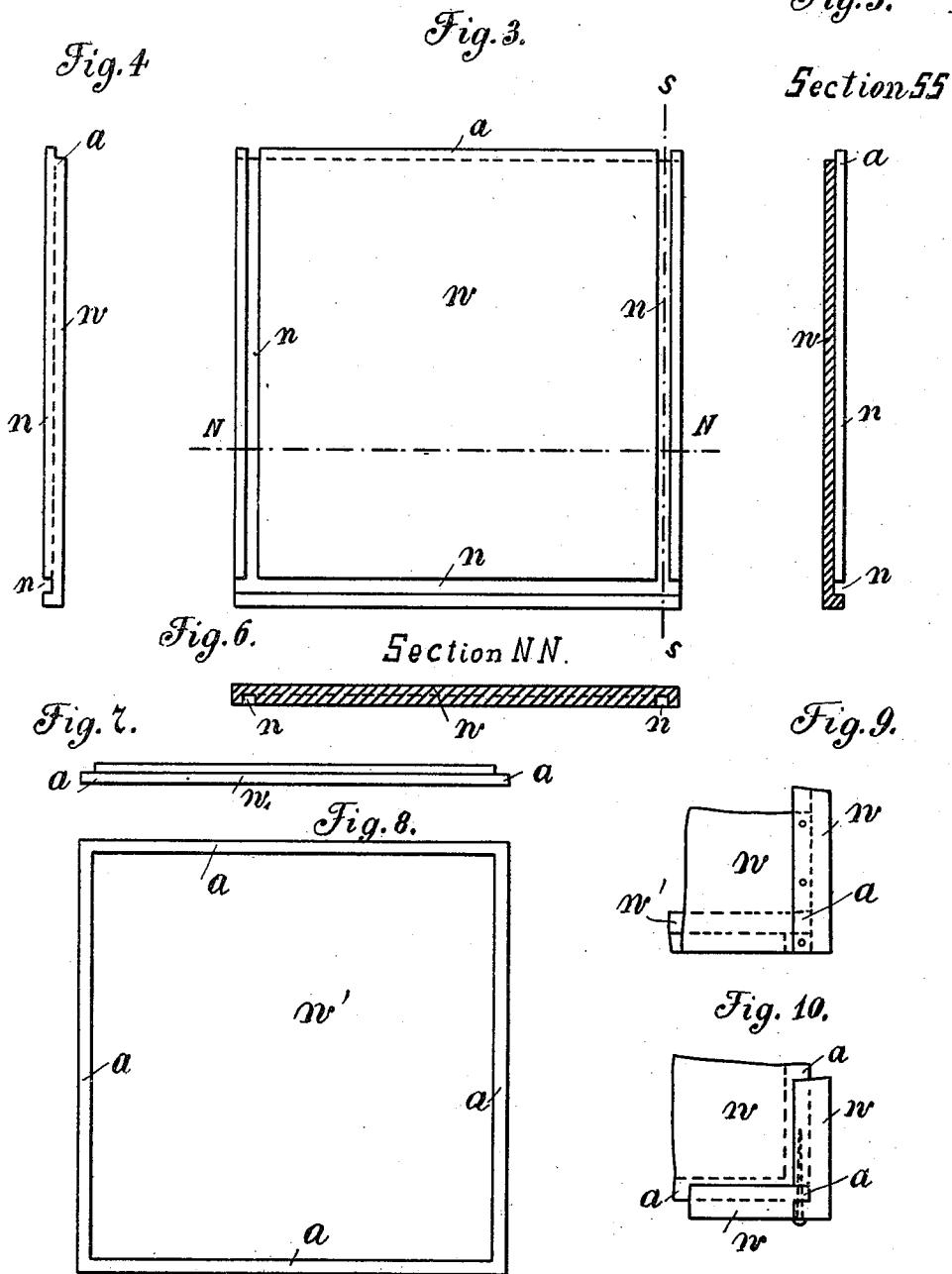
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2 Sheets—Sheet 2.



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# UNITED STATES PATENT OFFICE.

MATTHAEUS WOERNER, OF LEIPSIC, GERMANY.

## WOODEN BOX.

SPECIFICATION forming part of Letters Patent No. 670,265, dated March 19, 1901.

Application filed July 13, 1900. Serial No. 23,508. (No model.)

*To all whom it may concern:*

Be it known that I, MATTHAEUS WOERNER, a subject of the King of Saxony, residing at Leipsic, Kingdom of Saxony, Germany, have invented certain new and useful Improvements in Wooden Boxes, of which the following is a description.

The present invention relates to knock-down boxes of wood or other suitable material; and it consists of the details of construction hereinafter set forth, and particularly pointed out in the claim.

In order to render the specification easily intelligible, reference is had to the accompanying drawings, in which similar letters of reference denote similar parts throughout the several views.

Figure 1 is an elevation of the box, showing one wall about to be placed into position in building up the same. Fig. 2 is a section on line R R of Fig. 1; Fig. 3, an elevation of an inner side of a wall; Fig. 4, a side elevation of the same. Figs. 5 and 6 are sections on the lines S S and N N, respectively, of Fig. 3. Figs. 7 and 8 show side and end elevations of a wall to be inserted, and Figs. 9 and 10 show in plan and elevation the manner in which three walls engage together.

Four of the walls *w* of a six-sided box are each provided with grooves *n*, arranged along three adjacent sides, the remaining side or edge being provided with a projecting ledge, as at *a*. The remaining two walls *w'* are provided with a projecting ledge along each of the four sides or edges, as also indicated at *a* in Figs. 7 and 8.

In building up the box three walls *w w w* are each placed together, so that the single ledge of one wall engages the intermediate groove of

the three grooves of each of the other two walls. The two walls *w'* are then slid into position at opposite sides of the said three walls *w*, and one side of the box will remain open, showing three ledges *a* along adjacent sides and one groove *n* in the fourth side. The fourth wall, which has three grooves and one ledge, may then be closed onto this side, its ledge being placed in the one remaining groove and its three grooves covering with and connecting up the three remaining ledges of the other three walls, as will be seen on reference to Fig. 1. The walls may be secured together by means of screws or nails, which will only be necessary at four sides and which are indicated at Figs. 9 and 10 of the drawings.

I claim as my invention—

A six-sided knockdown box having four sides each provided with three grooves along three adjacent edges and one projecting ledge along the fourth edge and two sides having each four projecting edges one along each side, said grooves and ledges being arranged so that when three of the former walls are placed together, they will form at opposite sides three grooves to receive three of the projections of each of the two walls having four ledges, the remaining wall with three grooves and one ledge being then closed over the three standing ledges with its ledge placed in the remaining groove in the manner and for the purpose substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

MATTHAEUS WOERNER.

Witnesses:

HERM. SACK,  
RUDOLPH FRICKE.