

(No Model.)

A. H. WALKER.
MEANS FOR UNITING WOOD.

No. 300,536.

Patented June 17, 1884.

Fig. 1.

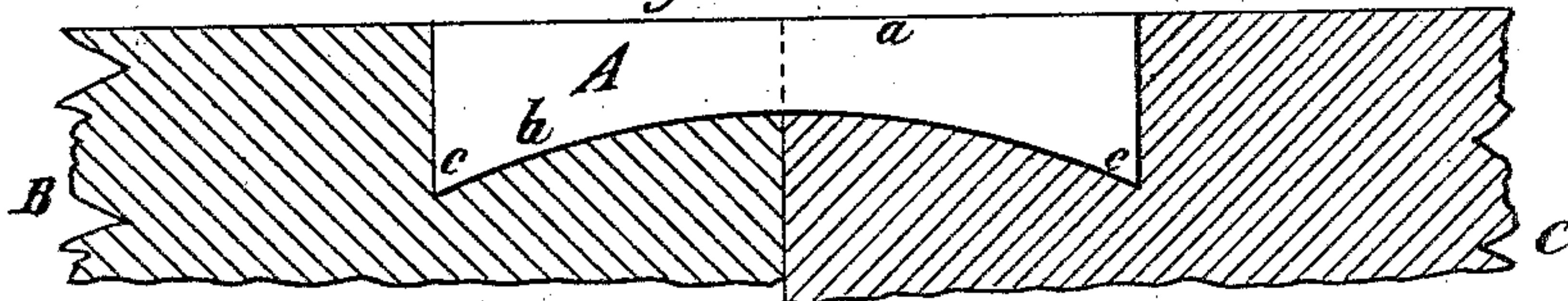


Fig. 2.

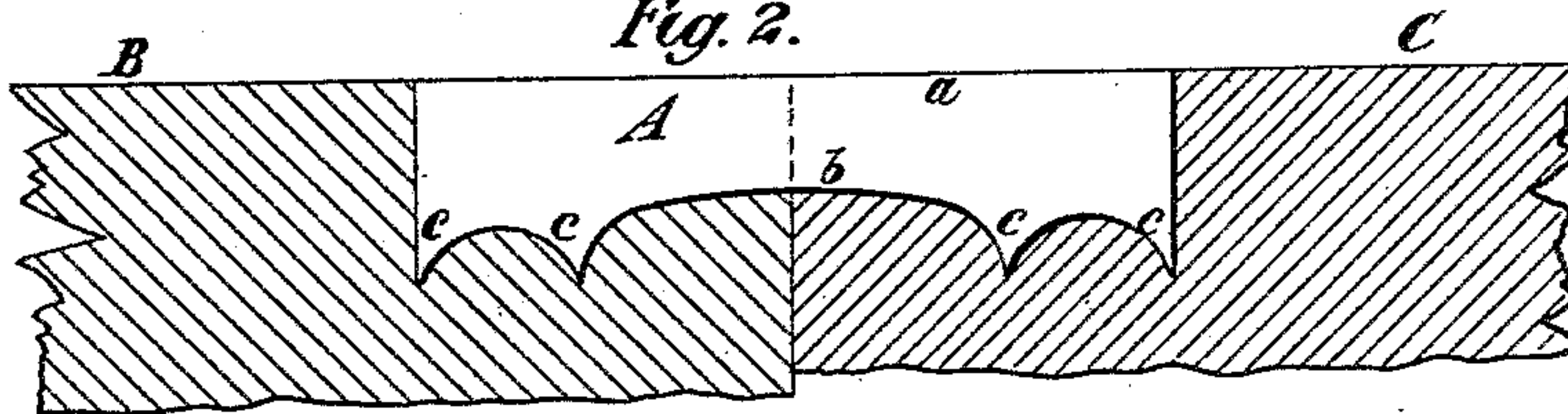


Fig. 3.

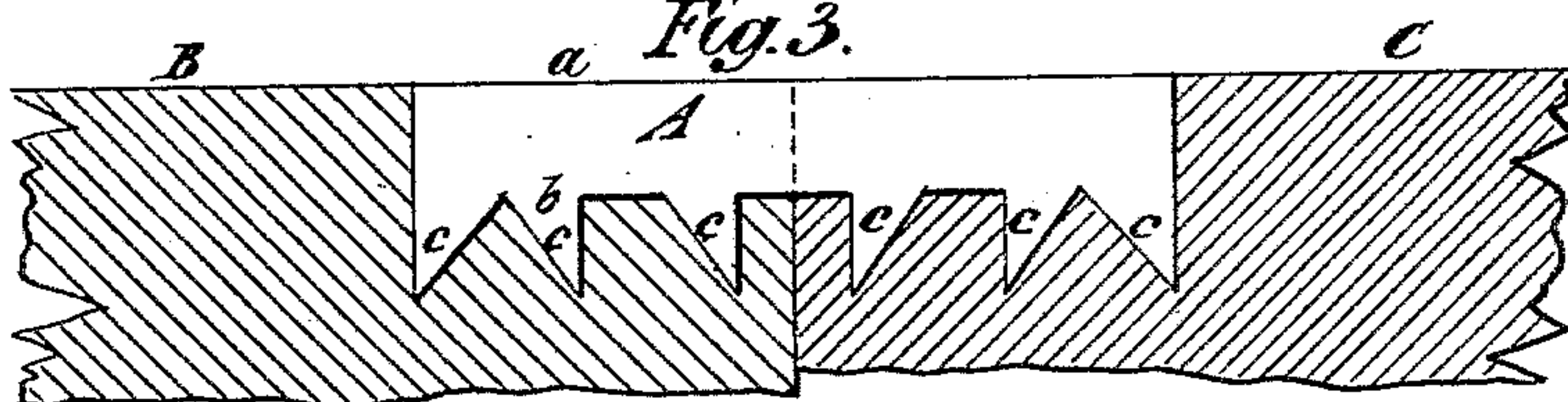


Fig. 4.

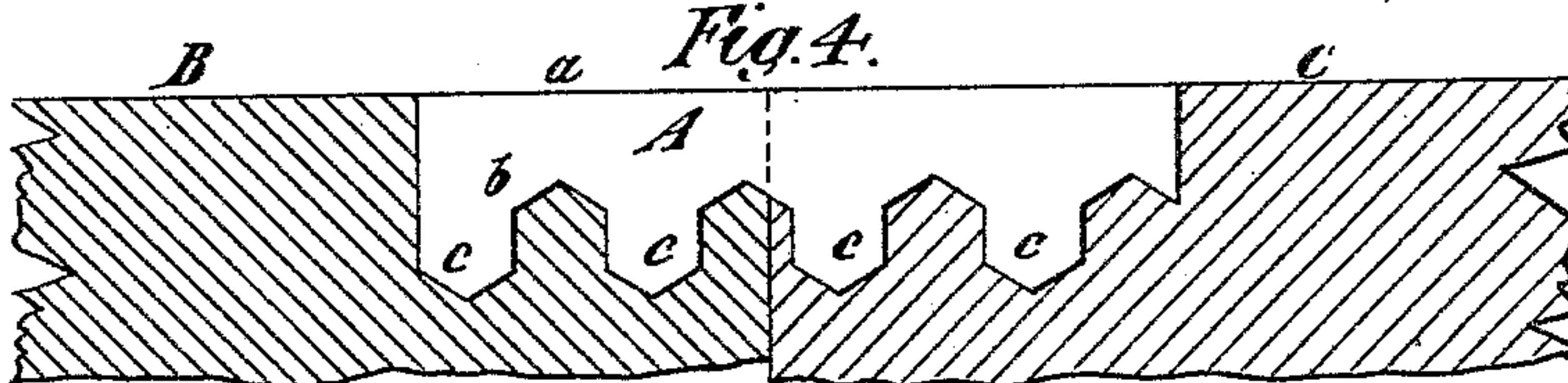


Fig. 5.

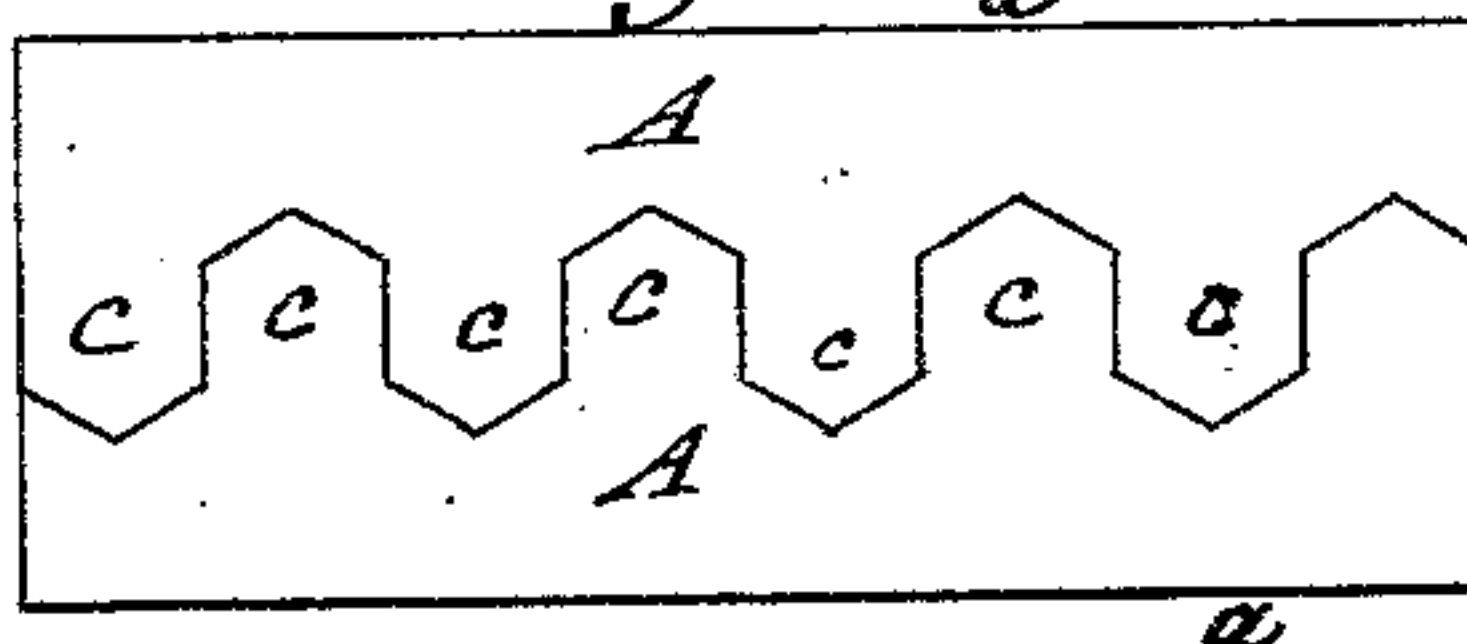


Fig. 6.

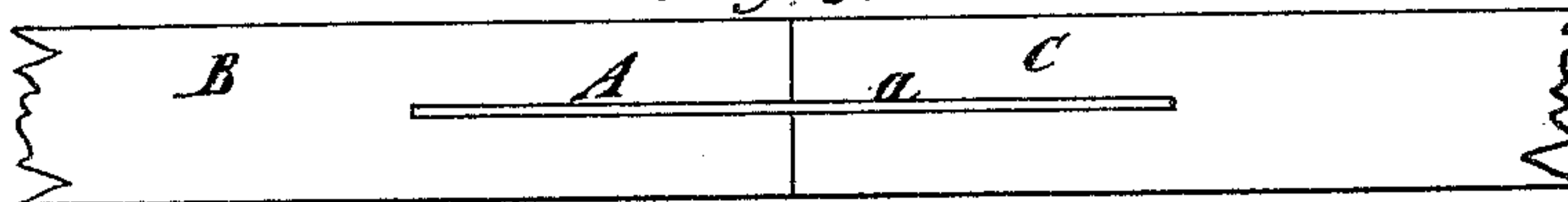


Fig. 7.

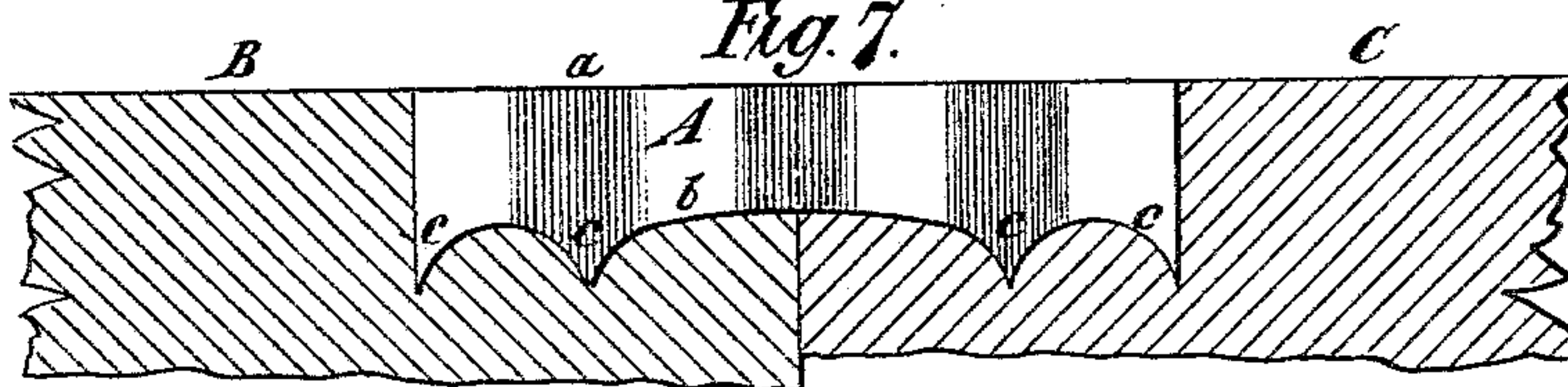


Fig. 8.



Witnesses

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ALBERT H. WALKER, OF BROOKLYN, ASSIGNOR TO THE SONE & FLEMING MANUFACTURING COMPANY, OF NEW YORK, N. Y.

MEANS FOR UNITING WOOD.

SPECIFICATION forming part of Letters Patent No. 300,536, dated June 17, 1884.

Application filed January 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALBERT H. WALKER, of Brooklyn, in Kings county, and State of New York, have invented a certain new and useful Improvement in Means for Mending or

Uniting Pieces of Wood, of which the following is a specification.
The improvement consists in a strip of metal which is serrated at one edge, or which

is corrugated or bent into sinuous form and adapted to be driven into adjacent portions of an end of two pieces of wood placed edge to edge, so as to secure said pieces of wood together.
In the accompanying drawings, Figure 1 is a side view of a device suitable for use in carrying out my improvement, and showing it as uniting two pieces of wood. Fig. 2 is a similar view representing a strip of modified form. Fig. 3 is a similar view representing a strip of still another modified form. Fig. 4 is a similar view representing a strip of still another modified form. Fig. 5 is a view illustrating how two strips of the kind shown in Fig. 4 can be cut without waste. Fig. 6 is an edge view of a strip of the kind shown in the preceding figures. Fig. 7 is a side view of a strip corrugated or bent, and showing two pieces of wood joined by it. Fig. 8 is an edge view of the strip shown in Fig. 7, and an end view of the pieces of wood joined by it.

Similar letters of reference designate corresponding parts in all the figures.

In Fig. 1, A designates a flat strip of metal having one longitudinal edge, *a*, straight, and the other longitudinal edge, *b*, cut so as to have a curved outline. By thus curving the edge *b*, I provide it with a serration or with teeth *c*. B C designate two pieces of wood placed edge to edge and united while held in this relation to each other in a clamp or otherwise by driving the strip A into adjacent portions of an end, as additionally illustrated in Fig. 6. Another strip may similarly unite the pieces at the opposite end, if desirable. The serrations of the strips or their teeth secure the strips against being pulled out lengthwise by a strain on the pieces of wood joined by them. The strips will secure the pieces of wood joined by them against being separated through any ordinary force, and they stay and

brace the pieces of wood against independent movement sidewise.

In Fig. 2 the strip A is shown as cut so as to produce three curves in the edge *b*, and consequently four teeth, *c*. In Fig. 3 the edge *b* of the strip A is cut at such angles as to have a large number of abrupt teeth, *c*. In Fig. 4 the edge *b* of the strip A is cut so as to form a number of abrupt teeth, *c*, of a shape somewhat different from that of the teeth *c* shown in Fig. 3. Two strips, A, of the kind shown in Fig. 4, may be cut together without waste of metal, as illustrated in Fig. 5. The strip A shown in Fig. 7 has its edge *b* shaped like the edge *b* of the strip shown in Fig. 2; but it is corrugated or bent into sinuous form, as illustrated more particularly in Fig. 8. Any of the strips shown in Figs. 1, 3, and 4 may be corrugated in the same way, if desirable. When a strip is corrugated, it is not absolutely necessary that it should have a serrated edge, providing it can, without such an edge, be driven into the pieces of wood which it is to join.

To apply each referred-to kind of strip, the two pieces of wood to be united are held edge to edge in a clamp or otherwise, and the strip is driven into the adjacent portion of their ends, so as to extend across the meeting edge. The pieces of wood will then be held very securely together.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A strip of metal which is serrated at one edge, or which is corrugated or bent into sinuous form, and adapted to be driven in the direction of the length of its corrugations or bends into adjacent portions of two pieces of wood placed close together, so as to secure said pieces of wood together, substantially as specified.

2. The combination, with two pieces of wood placed close together, of a strip of metal which is serrated, or which is corrugated or bent longitudinally into sinuous form, and driven edgewise into adjacent portions of the two pieces of wood, substantially as specified.

ALBERT H. WALKER.

Witnesses:

T. J. KEANE,
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