

(No Model.)

B. M. MYERS & W. H. H. WILLIAMS.

FORM FOR BENDING WOOD.

No. 283,412.

Patented Aug. 21, 1883.

Fig. 1.

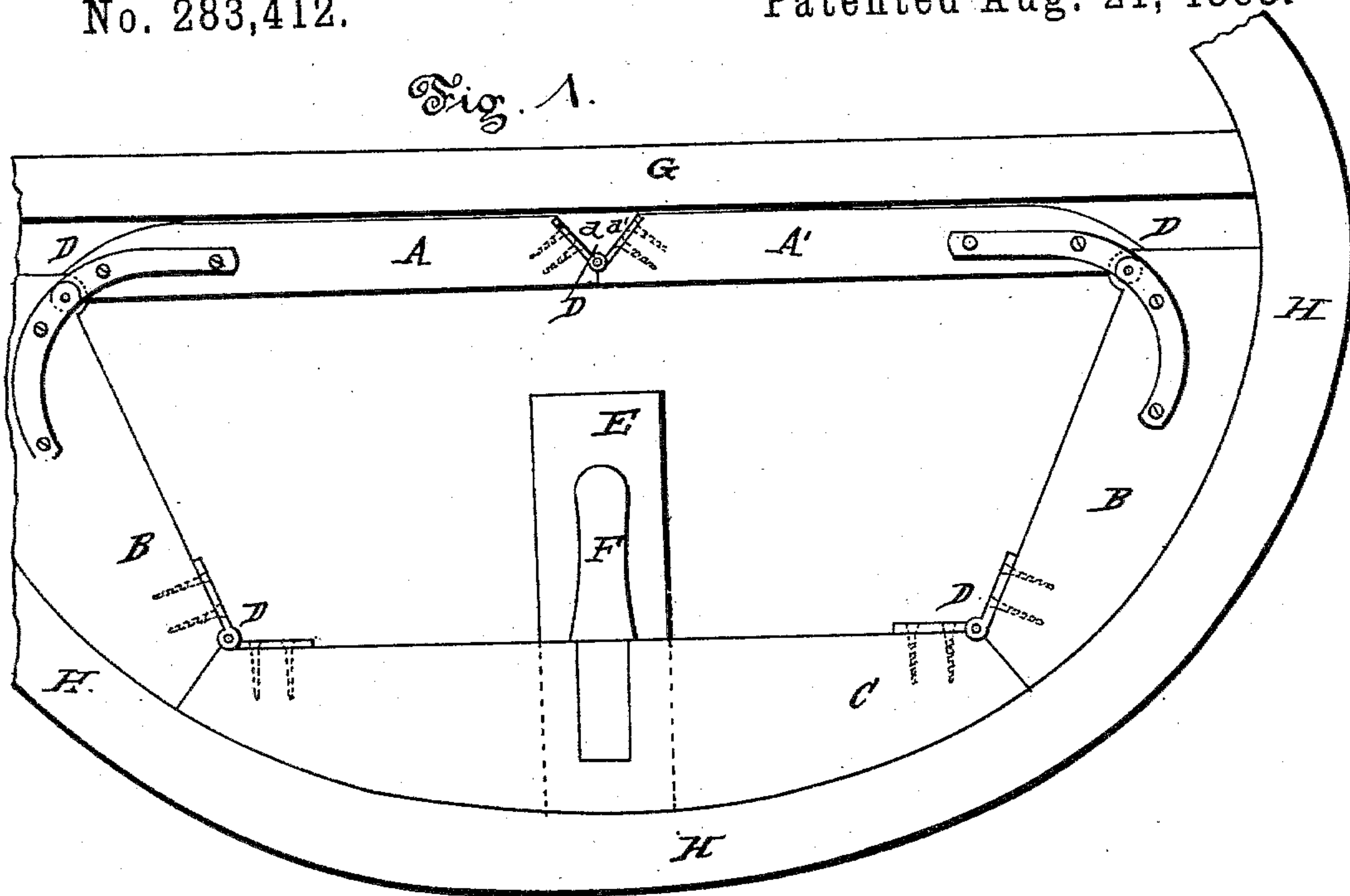
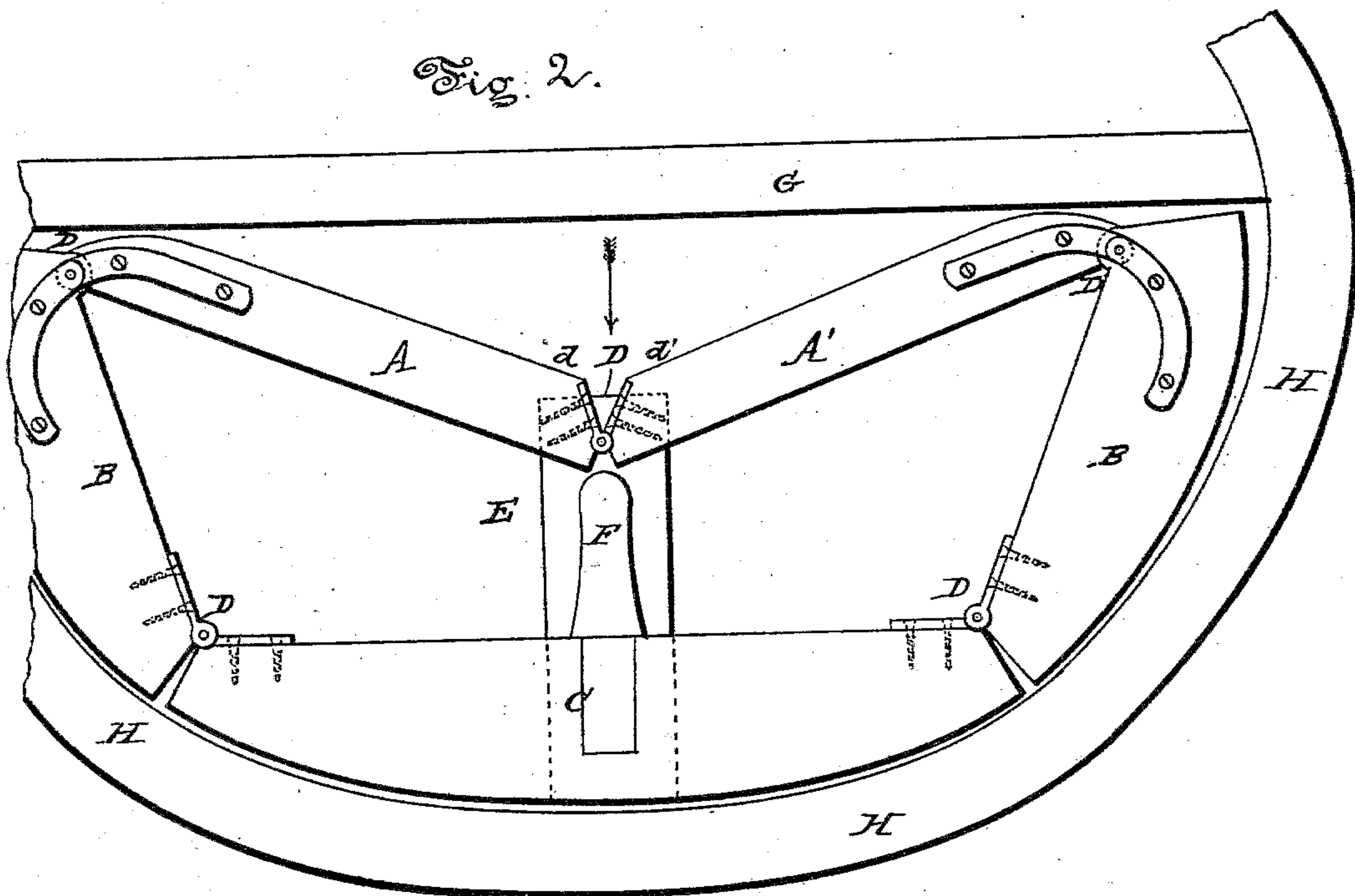


Fig. 2.



WITNESSES:

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BRUCE M. MYERS AND WILLIAM H. H. WILLIAMS, OF FOSTORIA, OHIO.

FORM FOR BENDING WOOD.

SPECIFICATION forming part of Letters Patent No. 283,412, dated August 21, 1883.

Application filed February 27, 1883. (No model.)

To all whom it may concern:

Be it known that we, BRUCE M. MYERS and WILLIAM H. H. WILLIAMS, of Fostoria, in the county of Seneca and State of Ohio, have
5 invented certain new and useful Improvements in Forms for Bending and Shaping Wood; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others
10 skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a plan view of our form for bending and shaping wood, showing it with the
15 segment of a hound as it appears during and immediately after bending; and Fig. 2 is a similar view, showing the form loosened and ready for removal from the hound.

20 Similar letters of reference indicate corresponding parts in both the figures.

Our invention relates to devices for bending and shaping timber to form thills, bows, fellies, plow-handles, hounds, and similar articles made from bent wood; and it consists
25 in the construction and arrangement of parts of a form or mold, the parts of which are hinged or jointed together in such a manner as to permit it to be loosened or collapsed for removing it from the piece of wood shaped
30 around it, substantially as hereinafter more fully set forth.

The precise shape or contour of the form will, of course, depend upon the article to be
35 bent and shaped by it; but the relative arrangement and combination of parts is in all cases the same. In the accompanying illustration of our invention we have shown a form adapted to the shaping of hounds for vehicles, the letter H representing a segment of
40 such a hound after it has been bent around the former. The latter is composed of the parts A A', B B, and C, hinged together in the five places marked D. The parts A and A' have

their corners cut off at d and d' , so that the
45 leaves of the hinge connecting them will be approximately at right angles to each other, as shown in Fig. 1, when said parts A and A' are in a line with each other. F is a projecting handle, which is inserted into the end
50 piece, C, and by means of which the form may be lifted out of the hound after bending; and E is a block, also affixed to the part C to keep the form to its place in the bending-machine. The cross-piece G is a brace, which is left to
55 connect the ends of the hound until it is cold, when it is removed. The wood is bent around the parts B C B while steam-hot, and the connecting-brace G placed in position. When the wood is cold the form is collapsed by
60 thrusting the parts A A' downward toward the end piece, C, as shown in Fig. 2, which draws the side pieces, B B, inwardly toward each other, so that the form can readily be
65 withdrawn by its handle F.

We claim and desire to secure by Letters Patent of the United States—

The form for bending and shaping wood, consisting of the center-piece C, having a suitably-constructed handle, sides B B, jointed
70 to opposite ends of the center-piece, and connecting-pieces A A', jointed to the sides B B and to each other, and having their jointed inner ends beveled at d and d' , to adapt said
75 ends to be thrust in the direction of the center-piece C, when it is desired to collapse the form, the whole constructed and combined substantially as and for the purposes shown and specified.

In testimony that we claim the foregoing as
80 our own we have hereunto affixed our signatures in presence of two witnesses.

BRUCE M. MYERS.

WILLIAM H. H. WILLIAMS.

Witnesses:

JOHN A. BRADNER,
DAVID HORYS.