

(No Model.)

G. W. DAVENPORT.
Whiffletree Connection.

No. 241,626.

Patented May 17, 1881.

Fig. 1.

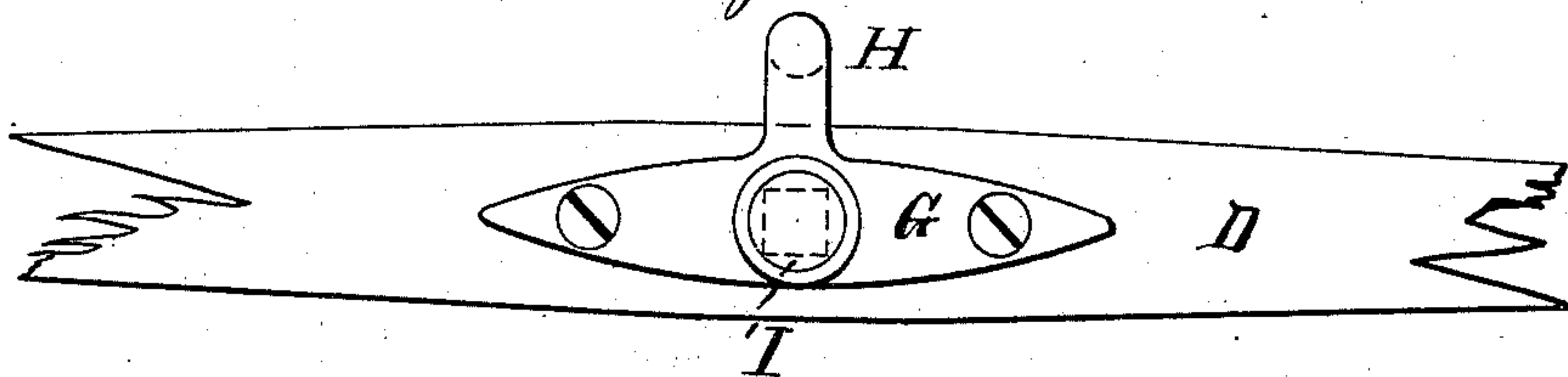


Fig. 2.

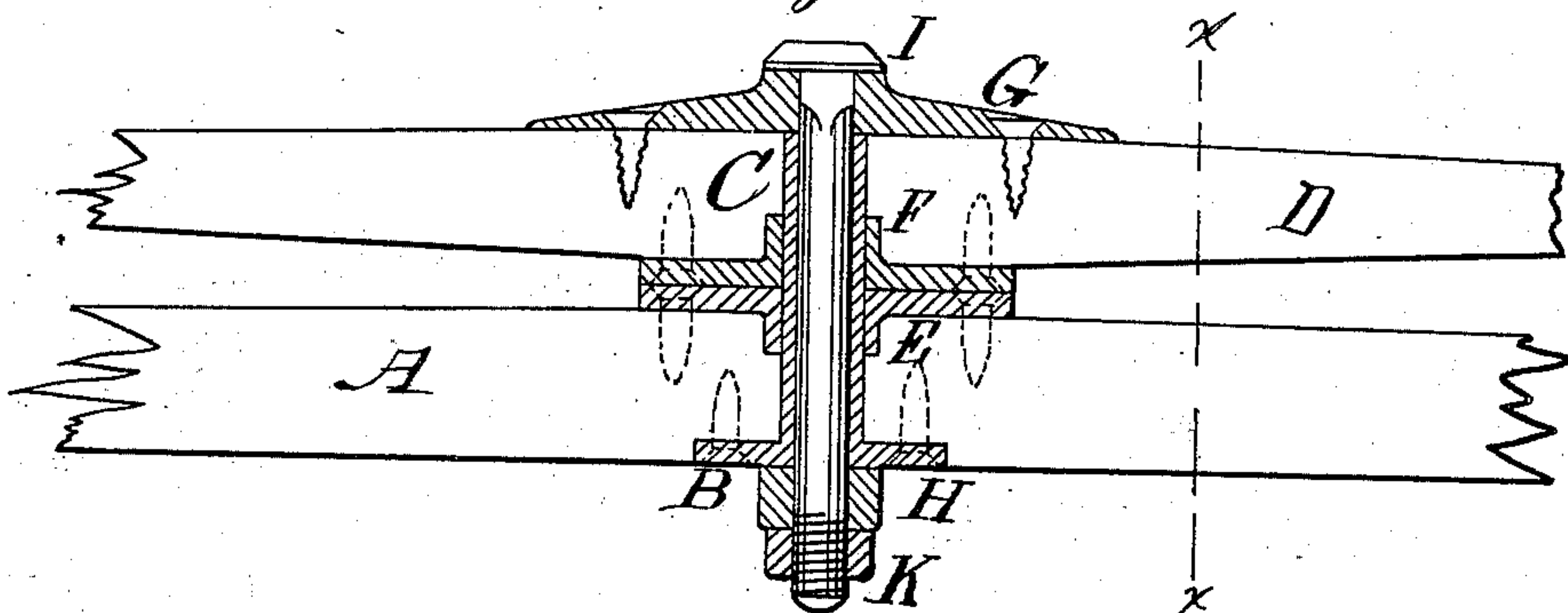
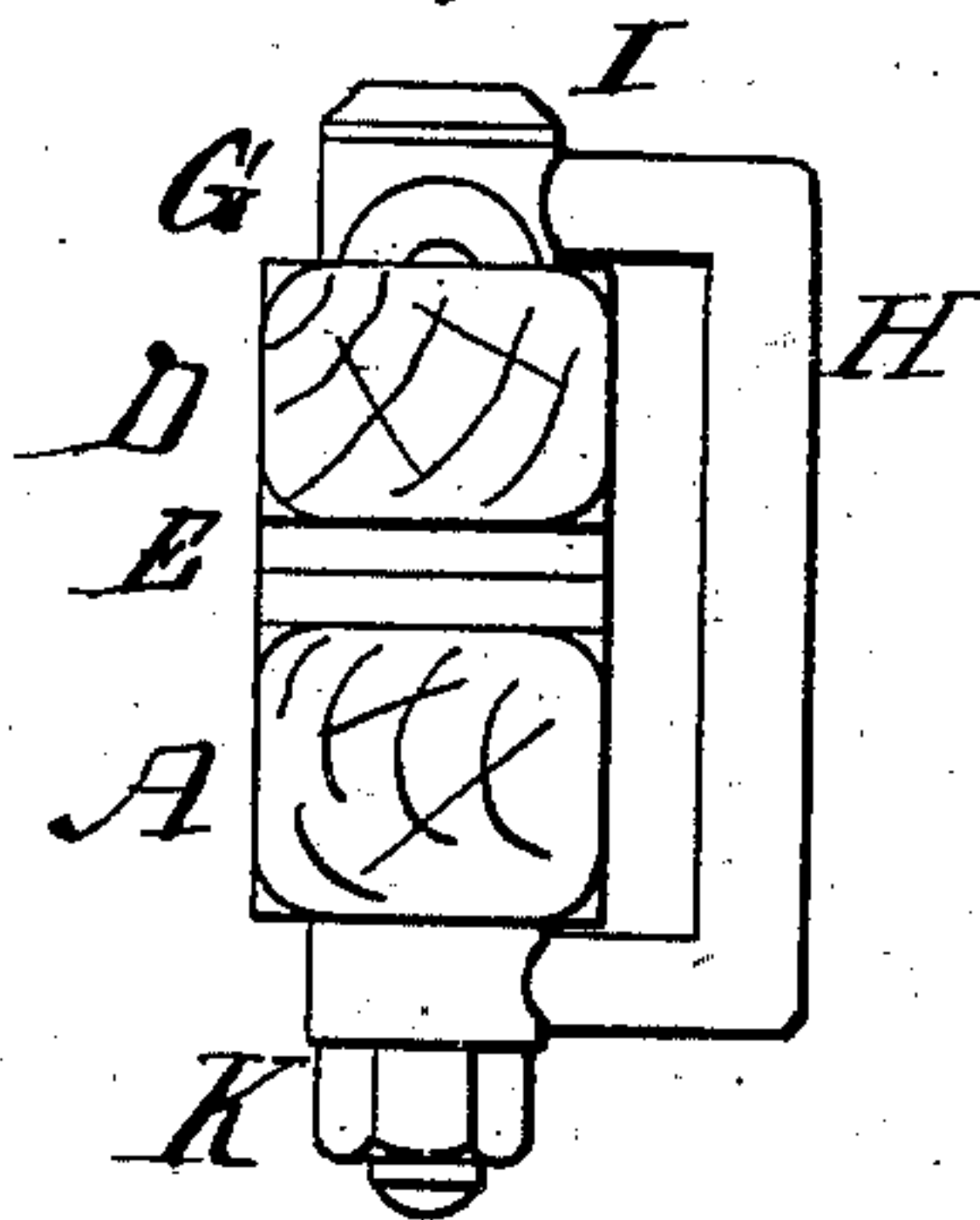


Fig. 3.



Attest:

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GEORGE W. DAVENPORT, OF VERONA, NEW JERSEY.

WHIFFLETREE-CONNECTION.

SPECIFICATION forming part of Letters Patent No. 241,626, dated May 17, 1881.

Application filed February 14, 1881. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. DAVENPORT, of Verona, in the county of Essex and State of New Jersey, have invented a new and
5 useful Improvement in Whiffletree-Connections, of which the following is a specification.

My invention relates to the connection for uniting the whiffletree with a cross-bar to secure more wear and protection against a liability of being detached in use; and it consists
10 in a central tube and bolt, in flanged washer-plates, and in a combined top plate and clasp.

Figure 1 is a plan. Fig. 2 is a longitudinal section, and Fig. 3 is a cross-section on a line
15 of $x x$ on Fig. 2.

The cross-bar A has fitted in the lower side a washer-plate, B, and secured to this plate is a tube, C, made to extend up through the cross-bar and through the whiffletree D. Between
20 the cross-bar and the whiffletree are the washer-plates E, having each a flange, F, to form a bush-bearing for the tube, and to protect the wood from wear. On the top of the whiffletree is the plate G, to which is secured the
25 clasp H, becoming integral with it and having the lower end made to fit under the plate B, with a hole in it to engage the end of the bolt I, used in holding the whiffletree together,

the nut K being turned on the end of the bolt. In this way I strengthen and protect the connection, as the tube is stronger than solid
30 metal of the same size, and here it forms an arbor for the whiffletree to turn on, and the flanged washer-plates save wearing on the wood, and the plate G, and integral with it
35 the clasp, prevent detachment of the whiffletree even if the bolt worked out. Then I require but a small bolt, simply to hold the parts together, scarcely any strain or wear coming on it, and the nut is not taxed or liable to work
40 off, and a slight turning of the nut tightens up the parts as the plate G bears on the top of the tube.

I claim—

In a whiffletree-connection, the washer-plate
45 B, having integral therewith the tube C, the washer-plates E, provided each with the flange F, the plate G, having the clasp H integral therewith, in combination with the bolt I and
50 nut K, all substantially as and for the purposes specified.

GEORGE W. DAVENPORT.

Witnesses:

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R. S. STEADMAN.