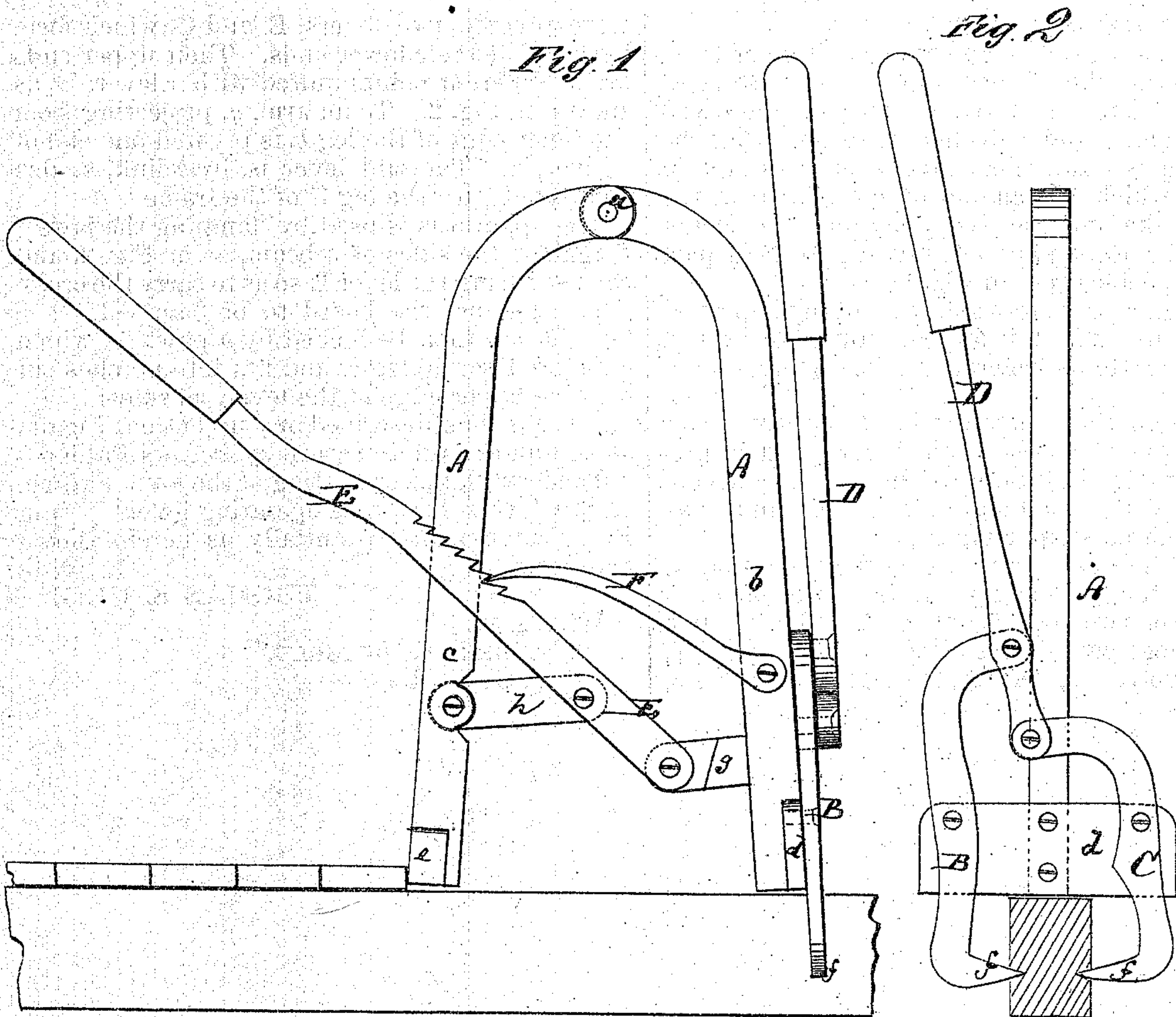


THOMAS S. URIE.

Improvement in Floor Clamps.

No. 119,203.

Patented Sep. 19, 1871.



Witnesses:

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UNITED STATES PATENT OFFICE.

THOMAS S. URIE, OF HUBBARDSTON, ASSIGNOR TO HIMSELF AND GEORGE H. CAGWIN, OF CARSON CITY, MICHIGAN.

IMPROVEMENT IN FLOOR-CLAMPS.

Specification forming part of Letters Patent No. 119,203, dated September 19, 1871.

To all whom it may concern:

Be it known that I, THOMAS S. URIE, of Hubbardston, in the county of Ionia and State of Michigan, have invented a new and Improved Floor-Clamp; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a side view of my improved floor-clamp. Fig. 2 is an end view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new apparatus for clamping floor-boards against one another previous to their being nailed to the beams; and consists in a new combination of levers and jaws with a jointed supporting-frame.

A in the drawing represents the yoke-shaped frame of the floor-clamp. It is jointed at *a*, so as to form two legs, *b* and *c*. The lower ends of said legs carry cross-pieces or supports *d* *e*, respectively. To the cross-piece *d* of the leg

b are pivoted two levers, B and C, which form jaws *f* *f* at their lower ends. Their upper ends are at different points united with a lever, D, as shown in Fig. 2. To an arm, *g*, projecting from the inner edge of the leg *b*, is pivoted one end of a lever, E. The said lever is, by a link, *h*, also connected with the leg C of the frame.

The apparatus is used by clamping the jaws *f* *f* against the sides of a beam, as in Fig. 2, and then swinging the lever E so as to carry the cross-piece *e* against the board to be clamped. The lever E can then be locked by a pawl, F, which is pivoted to the leg *b*, and fits into notches cut into the upper edge of the lever, as shown.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The floor-clamp, consisting of the jointed frame A, jaw-levers B C, and operating-levers D and E, all combined substantially as herein shown and described.

THOMAS S. URIE.

Witnesses:

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