

Patented Sept. 21. 1869.

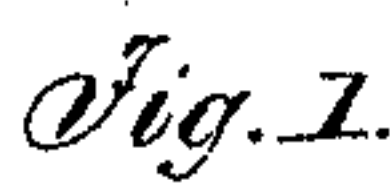
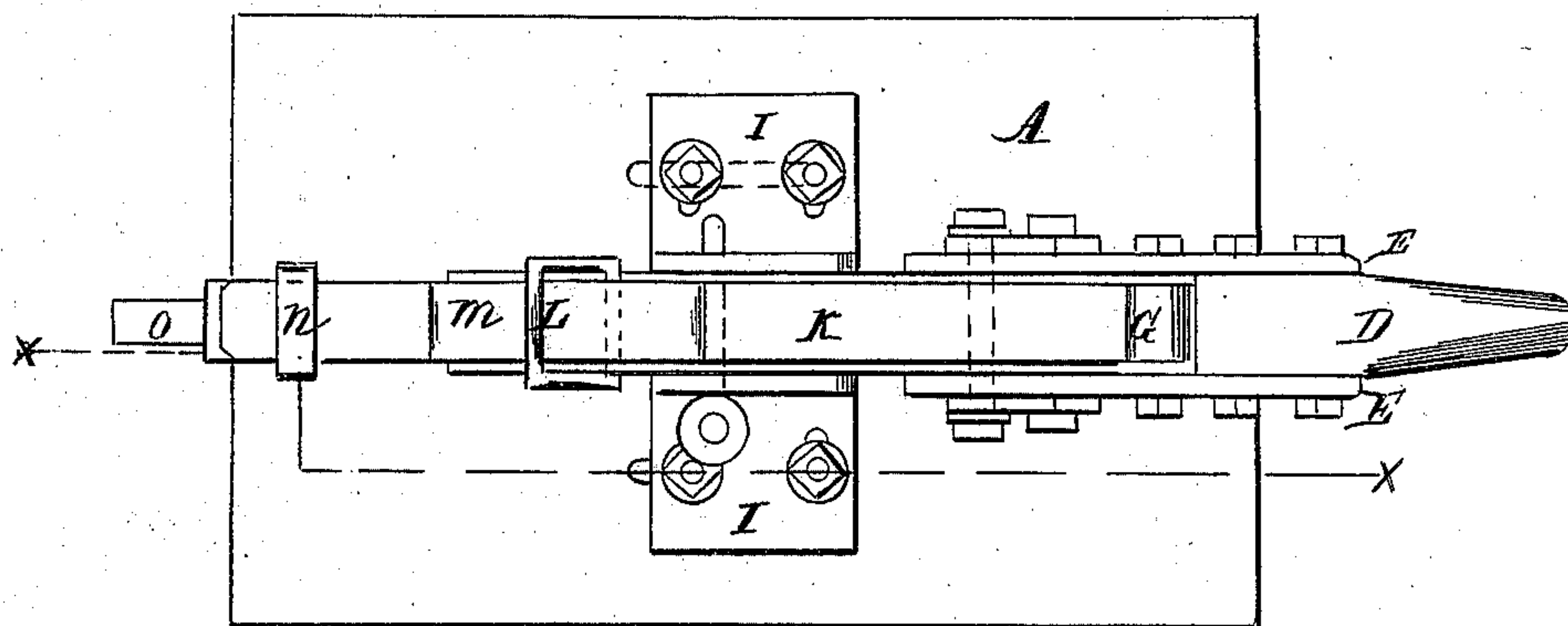


Fig. 2



Wm. L.
Attorneys.

United States Patent Office.

J. H. PRESTON, OF JEFFERSON CITY, MISSOURI.

Letters Patent No. 95,042, dated September 21, 1869.

IMPROVEMENT IN MACHINE FOR BENDING WOOD.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, J. H. PRESTON, of Jefferson City, in the county of Cole, and State of Missouri, have invented a new and improved Hames-Bending Machine; 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.

This invention relates to a new and improved machine for bending wooden hames, whereby that operation is greatly facilitated, and consists in the construction, arrangement, and combination of parts, as hereinafter described.

In the accompanying sheet of drawing—

Figure 1 represents a vertical longitudinal section of the machine through the line *x x* of fig. 2.

Figure 2 is a top or plan view.

Similar letters of reference indicate corresponding parts.

A represents the platform or bed of the machine.

B is a block, which is fast on the bed A, and supports the bending-lever.

C is the bending-lever, which is formed of iron and wood combined, but may be made entirely of iron.

D is the handle or outer end of the lever C, which is clamped by bolts between two iron straps, marked E.

The lever is a fork, which encloses the block B on each side, to which they are attached by a pivot-bolt, F.

In the fork thus formed there is a flanged roller, G, which bears upon the strap and hames when the lever is raised, as seen in fig. 1, for bending.

H is the form or mould, on which the hames is bent. It rests on the block B, as seen in the drawing, and is connected therewith by means of the angle guide-irons I I, which are attached to the bed A by bolts, so that

they are adjustable in two directions, for accommodating hames of different sizes and shapes. The slots which allow of this adjustment are seen in the drawing, fig. 2.

The lever C is also made adjustable on the block B, so as to admit larger or smaller timber.

J represents the hames.

K is an iron strap, which is attached to the form H at one end, and rests upon the back of the hames, when the latter is being bent. This strap prevents any fracture in the grain of the wood, as it is pressed tightly thereto by the roller, at the points of greatest danger.

L is a clamp and M is a key, by which the hames is brought down to the form H, as seen in the drawing.

The back end of the hames is brought down and held by means of the band N and the lever O.

The band is connected with the lever by a rod, P, which works in a slot in the bed A, as seen in fig. 1.

R is a ratchet-bar, for holding the lever O in position.

With this machine, hames may be bent without danger of fracturing the grain of the wood, and with the greatest dispatch.

Having thus described my invention,

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

The combination, with the foundation A, of the block B, form H, adjustable angle-irons I, bending-lever C, flanged roller G, adjusting-straps E, band N, rod P, lever O, rack-bar R, key M, and clamp L, when constructed and arranged substantially as herein shown and described, for the purpose specified.

J. H. PRESTON.

Witnesses:

JAS. P. OWEN,

JAS. F. BELL.