J. C. MOORE.

Stave-Jointer.

No. 204,751. Patented June 11, 1878.

Fig. 1.

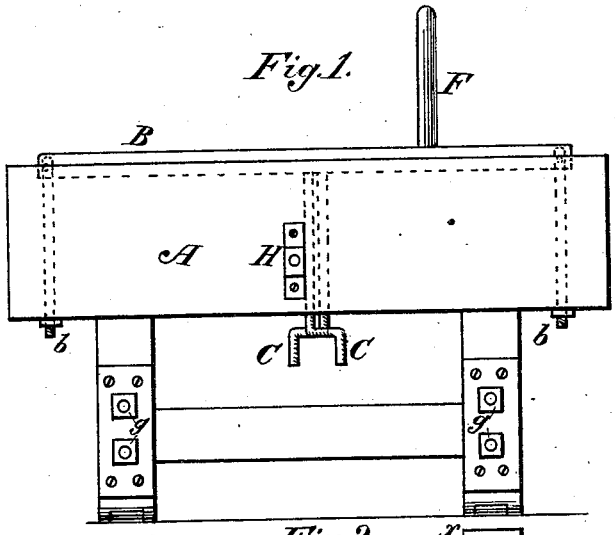


Fig. 2.

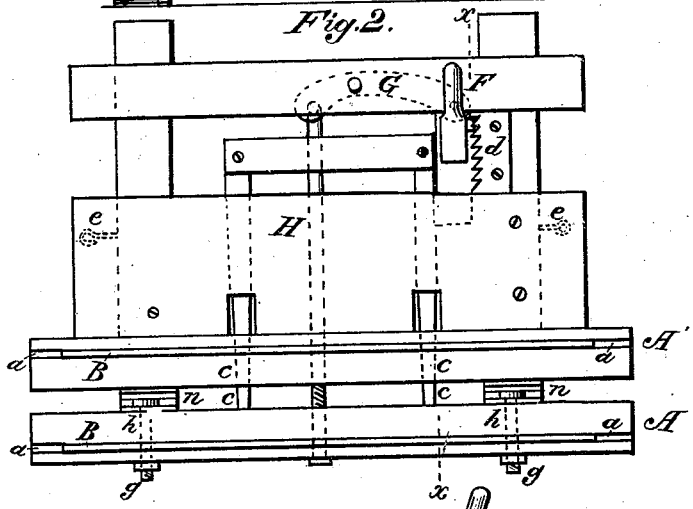
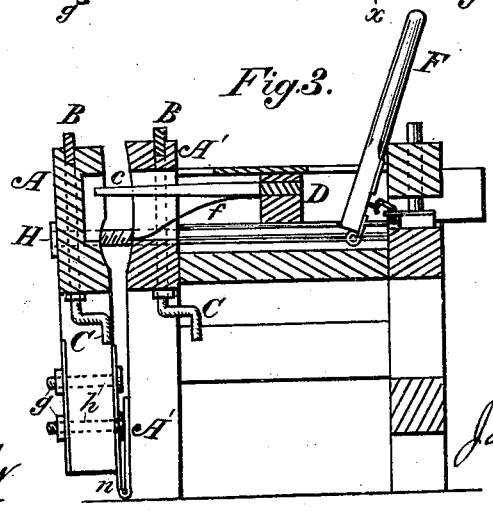


Fig. 3.



Attest:

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UNITED STATES PATENT OFFICE.

JAMES C. MOORE, OF HENDERSON, KENTUCKY.

IMPROVEMENT IN STAVE-JOINTERS.

Specification forming part of Letters Patent No. **204,751**, dated June 11, 1878; application filed March 12, 1878.

To all whom it may concern:

Be it known that I, JAMES C. MOORE, of Henderson, in the county of Henderson and State of Kentucky, have invented certain new and useful Improvements in Stave-Jointers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is a front view of my improved stave-jointing machine. Fig. 2 is a top-plan view of the same, showing the construction of the stave-clamp and the arrangement of the devices for operating it. Fig. 3 is a sectional view of the machine through the line *x x*.

My present invention relates to improvements in the stave-jointer for which Letters Patent No. 146,838 were granted to me January 27, 1874; and it consists in the construction and arrangement of the various parts of the machine, as hereinafter more fully set forth and claimed.

A A′ represent the jaws of the stave-clamp, which are grooved internally to correspond with the shape of the stave. The outer or adjustable jaw A is hinged at *n* to the stationary jaw A′ in such a manner that, by loosening the nuts *g g* on the screws *h h* which pass through a slot in the outer arm of the hinge *n*, the jaw A may be readily raised or lowered, so as to give any desired bevel to the stave. B B are adjustable iron guides, resting in grooves *a a*, and provided with downward-projecting arms, passing through the jaws A A′ and terminating in nuts and screws *b b*, which operate, in connection with the cranked set-screws C C, for the purpose of adjusting the guides to any required elevation or convexity of surface, thereby allowing the desired bevel and bilge to be made in the stave. D represents a cross-beam, carrying the stops *c c*, which pass through the jaw A′ and are inserted into the jaw A, metallic springs *f f* being attached to their under surfaces for supporting them with the requisite degree of elasticity. By means of a rotary movement imparted to the handles *e e*, which are inserted into the ends of the beam D, the stave may be gaged to any required thickness.

The movable jaw A is operated by means of the handle F, acting through the lever G and rod H. Upon throwing the handle backward the clamp is opened for the reception of the stave, which, resting on the elastic stops *c c*, is then, by a forward movement of the handle, grasped firmly between the jaws A A′, the jaw A being afterward held in position by means of a projection or catch on the handle F pressing into the ratchet *d*. The stave being now securely supported in the clamp, the required bilge and bevel may be given to its edge with a plane, knife, or other appropriate cutting instrument.

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

1. The cross-beam D and stops *c c*, provided with the metallic springs *f f*, in combination with the jaws A A′, as and for the purpose set forth.

2. The stave-clamp herein described, composed of the jaws A A′ and provided with the adjustable slotted hinge *n*, in combination with the rod H, lever G, and adjusting-handle F, with its holding-ratchet *d*, as and for the purpose specified.

In testimony whereof I have hereunto affixed my signature this 25th day of February, 1878, in presence of two witnesses.

JAMES C. MOORE.

Witnesses:
P. H. KING,
W. S. JOHNSON.