

J. D. Leach,
Making Barrel Heads.
N^o 57,522. Patented Aug. 28, 1866.

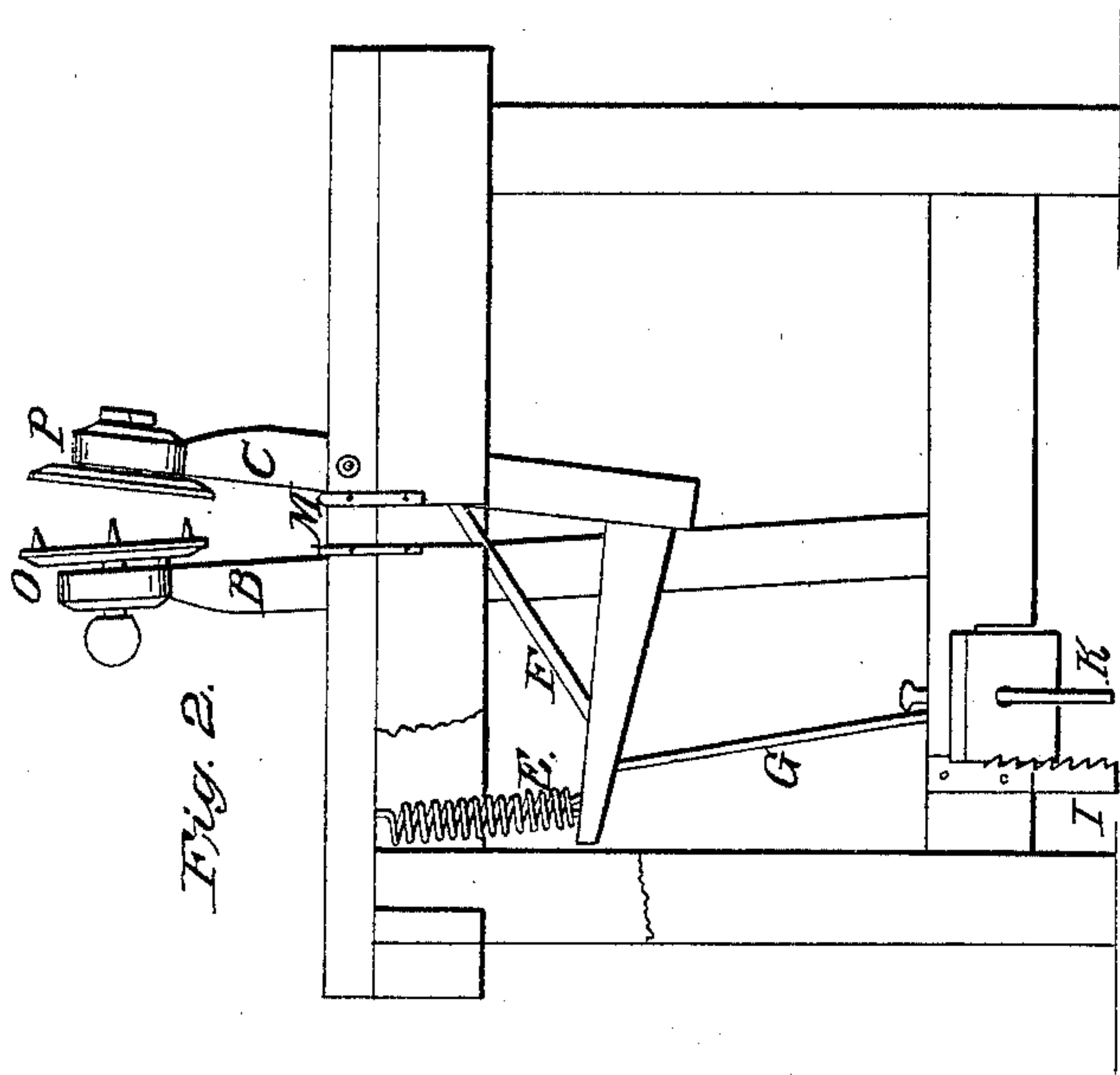


Fig. 2.

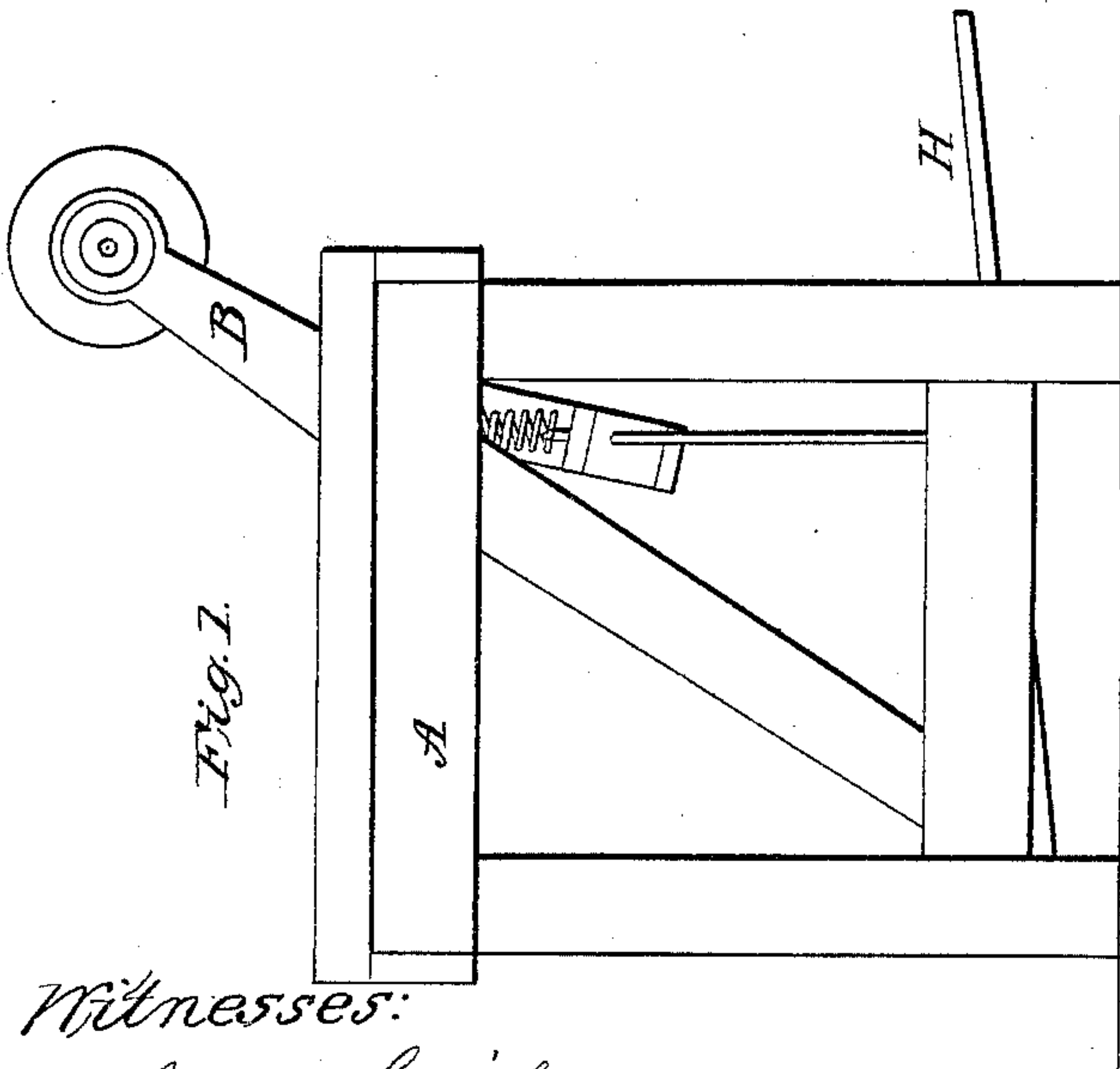


Fig. 1.

Fig. 4.

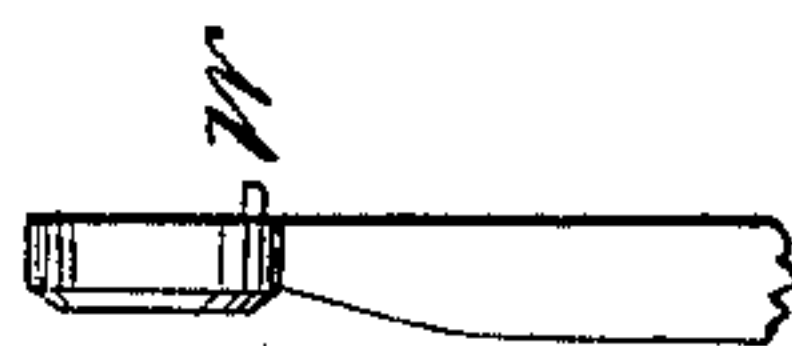
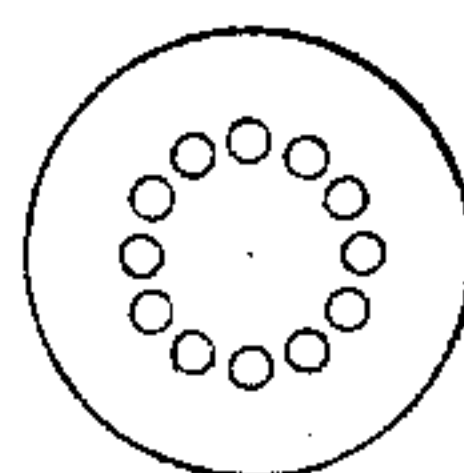


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH D. LEACH, OF PENOBSCOT, MAINE.

IMPROVEMENT IN MACHINES FOR HOLDING THE HEADS OF CASKS.

Specification forming part of Letters Patent No. 57,522, dated August 28, 1866.

To all whom it may concern:

Be it known that I, JOSEPH D. LEACH, of Penobscot, in the county of Hancock and State of Maine, have invented a new and valuable Improvement in Heading-Holders; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

The object of my invention is to provide better means than have heretofore been devised for holding the heading for barrels, hog-heads, and the like while in process of being rounded and beveled.

To this end I construct a table as shown on the drawings, (marked A.) B is a stationary arm, extending diagonally from the lower end of the rear side of the table to a point about one foot (more or less) above the table, at the front side thereof.

C is an elbow-lever, attached to the bench, as shown, by a bolt that extends through the same from the front side of the top thereof. The lower end of said lever extends sidewise, as represented, and a spiral spring, E, connects the extreme end thereof with the top of the bench. A brace, F, serves to strengthen the lever and keep the two parts in their places. A lever, G, extends from the extreme end of this lever and connects it with the treadle next mentioned.

Letter H is a treadle, attached to the lower end of the rear side of the table by a hinge. I is a ratchet placed at the side of the treadle, and in which it may be secured at any desirable point.

In order to give accuracy to the movements of the treadle H, I insert a bolt through it and the lower slat of the table. The bolt is marked K.

At the front side of the top of the table I make a slot, M, and line it with suitable brass or iron plates.

Near the top of the levers B and C, I attach two disks, as represented, in one of which I place teeth or brads for the purpose of attaching it to the heading when the two disks are pressed together. These disks are fastened

in said levers by bolts so adjusted as to allow them to turn around when it is desirable so to do. They are marked O and P, respectively. The disk O, in which the teeth are placed, is punctured on its rear side with a suitable number of apertures adapted to the size of the pin W, next mentioned.

The pin W is fastened to the inside of lever B, and works in the apertures in the rear of disk O, above described.

My machine is operated as follows: Place the heading to be rounded or beveled between the disks O and P and press down the treadle with the foot. This movement brings the two disks nearer together and clasps the heading firmly. By this movement, also, the teeth on disk O are forced into the side of the heading, and serve to hold it securely. By the same movement, also, the pin *a* is crowded into one of the apertures on the rear side of disk O, and prevents the same from turning around.

When it is desirable to turn the piece of heading around, in order to round it or bevel it on another side, I remove the foot from the treadle. The spring E immediately draws the lower end of lever C upward, and thereby releases the heading from being clasped between the disks. I then turn the heading around to the point desired, and repeat the operation till the work is accomplished.

The ratchet I affords means for holding the treadle at any point I may desire, and thereby saves the necessity of a constant or steady pressure with the foot in order to hold the disks firmly against the heading.

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

1. The disks O and P, in combination with the pin W, constructed and operating substantially as and for the purposes specified.

2. A heading-holder having levers B and C, spring E, ratchet I, treadle H, disks O and P, and pin W, constructed, combined, and arranged substantially as and for the purposes set forth.

JOSEPH D. LEACH.

Witnesses:

URIAH B. LEACH,
JOHN B. SNOWMAN.