

T. M. KENNEY & E. L. WILLARD.

MACHINE FOR SAWING FELLOES.

No. 170,956.

Patented Dec. 14, 1875.

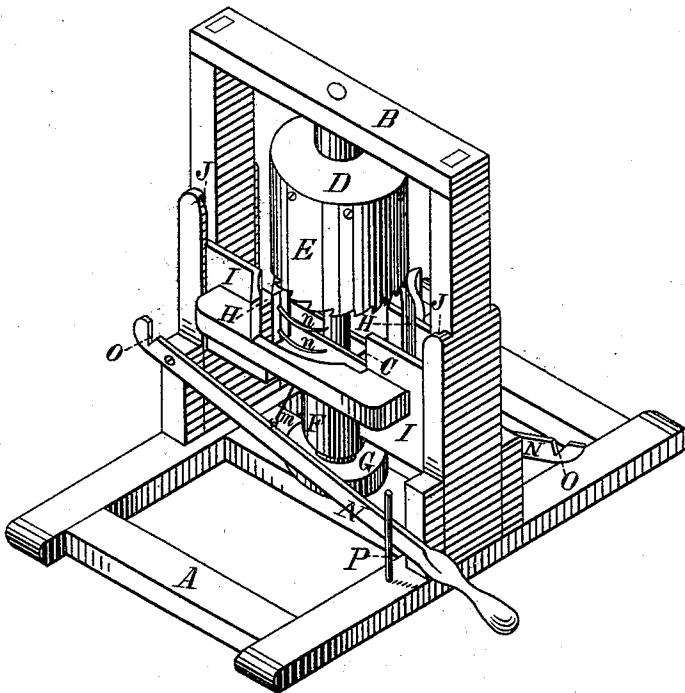


Fig. 1.

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UNITED STATES PATENT OFFICE.

THOMAS M. KENNEY AND EUGENE L. WILLARD, OF KEENE, N. H.

IMPROVEMENT IN MACHINES FOR SAWING FELLIES.

Specification forming part of Letters Patent No. **170,956**, dated December 14, 1875; application filed September 23, 1875.

To all whom it may concern:

Be it known that we, THOMAS M. KENNEY and EUGENE L. WILLARD, of Keene, in the county of Cheshire, State of New Hampshire, have invented a certain new and useful Improvement in Machines for Sawing Fellies, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which our invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is an isometrical perspective view.

Our invention relates to that class of saws which are principally employed in the manufacture of fellies and staves; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a simpler, cheaper, and more effective device of this character is produced than is now in ordinary use.

The nature and operation of our improvement will be readily obvious, to all conversant with such matters, from the following description:

In the drawing, A B represent the frame-work, in which the saw E is vertically journaled with the teeth downward, the shaft C, on which the saw is mounted by means of the head D, carrying the main pulley G, and standing in a water-step disposed in the lower part of the frame-work. Arranged to slide vertically in the ways J J there is a carriage, I, provided with the bed or rest K and guards *n n*. The carriage is actuated by the hand-

lever N, which is connected therewith by the pitman or rod *m* being pivoted near one end, and provided with the notch O for supporting a proper counter-balance. A corresponding carriage and lever are disposed upon the opposite side of the saw-frame, being so arranged as to enable two fellies or staves to be cut at the same time, or to admit of two workmen using the same saw.

In the use of our improved saw, the bolt is placed upon the bed or rest K, and is brought into contact with the saw, or "fed" by elevating the lever N, the guards *n n* preventing the stave from falling inwardly and becoming entangled in the machinery.

It will be obvious that, by arranging the saw in the manner described, and employing two carriages, a greater amount of work can be accomplished than when the saw is arranged in a horizontal position, in the ordinary way.

It will also be obvious that there will be less liability to accidents from slabs and waste pieces catching in the saw, and less obstruction from sawdust.

Having thus explained our improvement, what we claim is—

The saw E, mounted on the vertical shaft C, and the vertically-adjustable carriage I, provided with the bed K, guards *n n* and lever N, combined and arranged to operate substantially as set forth and specified.

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