A. W. Jackson,

Splitting Wood.

No. 85,009. Patented Dec. 15, 1868

Fig. 1

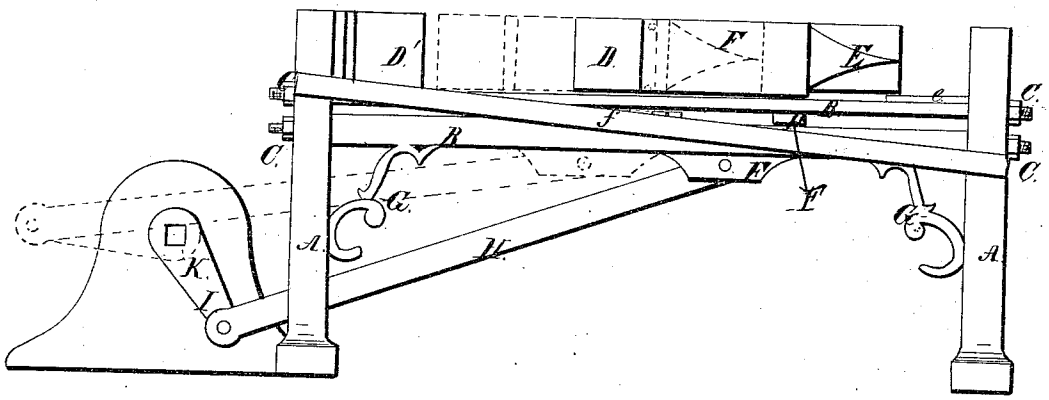
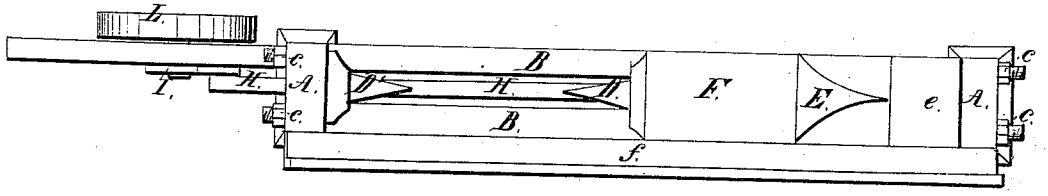


Fig. 2



Witnesses:

Harry King.

Leopold Cuerk

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Attys

United States Patent Office.

ANTHONY WILLIAM JACKSON, OF LA CROSSE, WISCONSIN.

Letters Patent No. 85,009, *dated December* 15, 1868.

IMPROVEMENT IN MACHINES FOR CUTTING AND SPLITTING 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, ANTHONY WILLIAM JACKSON, of La Crosse, in the county of La Crosse, and in the State of Wisconsin, have invented certain new and useful Improvements in Machine for Cutting and Splitting Wood; and 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.

The nature of my invention consists in the construction and general arrangement of a machine for cutting and splitting wood, which is easily managed, and will work with ease and dispatch.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a side view, and

Figure 2, a plan view.

A A represent standards, to which the rails B B are firmly bolted by means of nuts C C, or other suitable means.

I place four rails, two above the other two, and at suitable distance from each other, so as to form a way for the follower and knives to slide back and forth upon.

The follower or block F, which is placed on the rails B B, is slotted and grooved, so as to fit between and below the rails, and to its under side a connecting-rod, H, is pivoted, which rod, by a crank, I, is attached to a shaft, K, and to said shaft is secured a pulley, L, so that if the said pulley is connected by a belt to an engine, the follower or block F obtains a forward and backward motion on the rails B B.

To one end of the follower F is secured a vertical knife, D, the cutting-edge of which corresponds exactly with a similar knife, D′, at the end of the rails, which latter knife is secured to the standard A.

When, by the motion of the follower, these knives are brought together, the wood is cut, and the piece thus cut off falls down on the inclined plane *f*, and moved towards the other end of the machine, when it is picked up and placed on a platform, *e*, in position to be split.

The platform *e* is laid at the end of the machine, on the upper rails B B.

At the corresponding end of the follower F is a knife, E, for splitting the wood. This knife is shaped, as shown in the drawings, like a cross, with four cutting-edges, splitting the wood in four pieces.

G G are braces, connecting the standards and rails, giving additional support to the latter.

Having thus fully described my invention,

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

1. The follower F, provided at one end with a cutting-knife, D, and at the other end with a four-bladed splitting-knife, E, all constructed and operating substantially as and for the purposes herein set forth.

2. The arrangement of the standards A A, rails B B, stationary knife D′, platform *e*, and inclined plane *f*, all constructed as described, and operating, in combination with the follower F and knives D and E, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 19th day of August, 1868.

ANTHONY WM. JACKSON.

Witnesses:

C. R. JACKWITZ,

H. G. HAUGAN.