

(No Model.)

A. ALBIES.

FIREWOOD CIRCULAR SAW.

No. 273,425.

Patented Mar. 6, 1883.

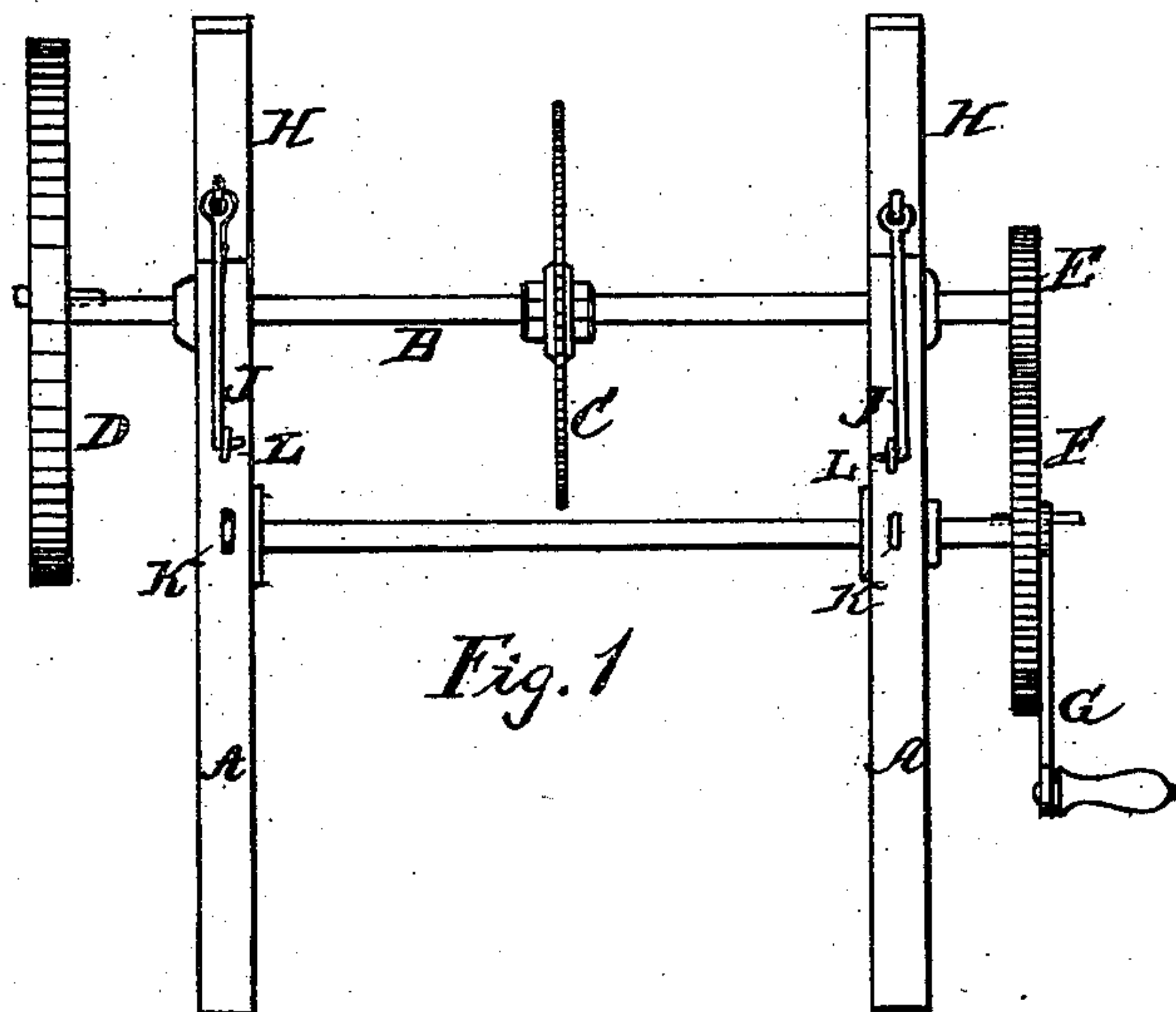


Fig. 1

Fig. 2

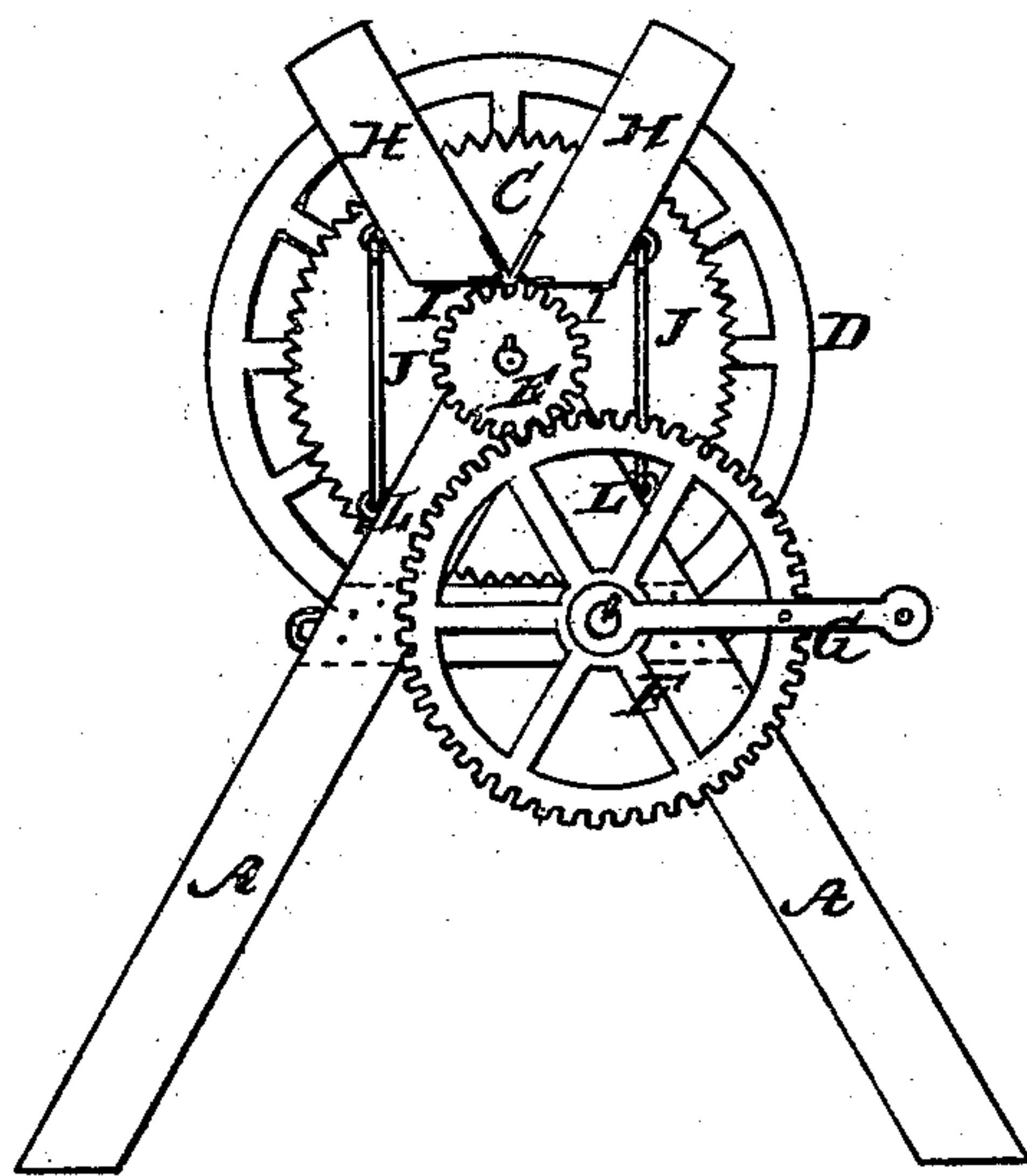
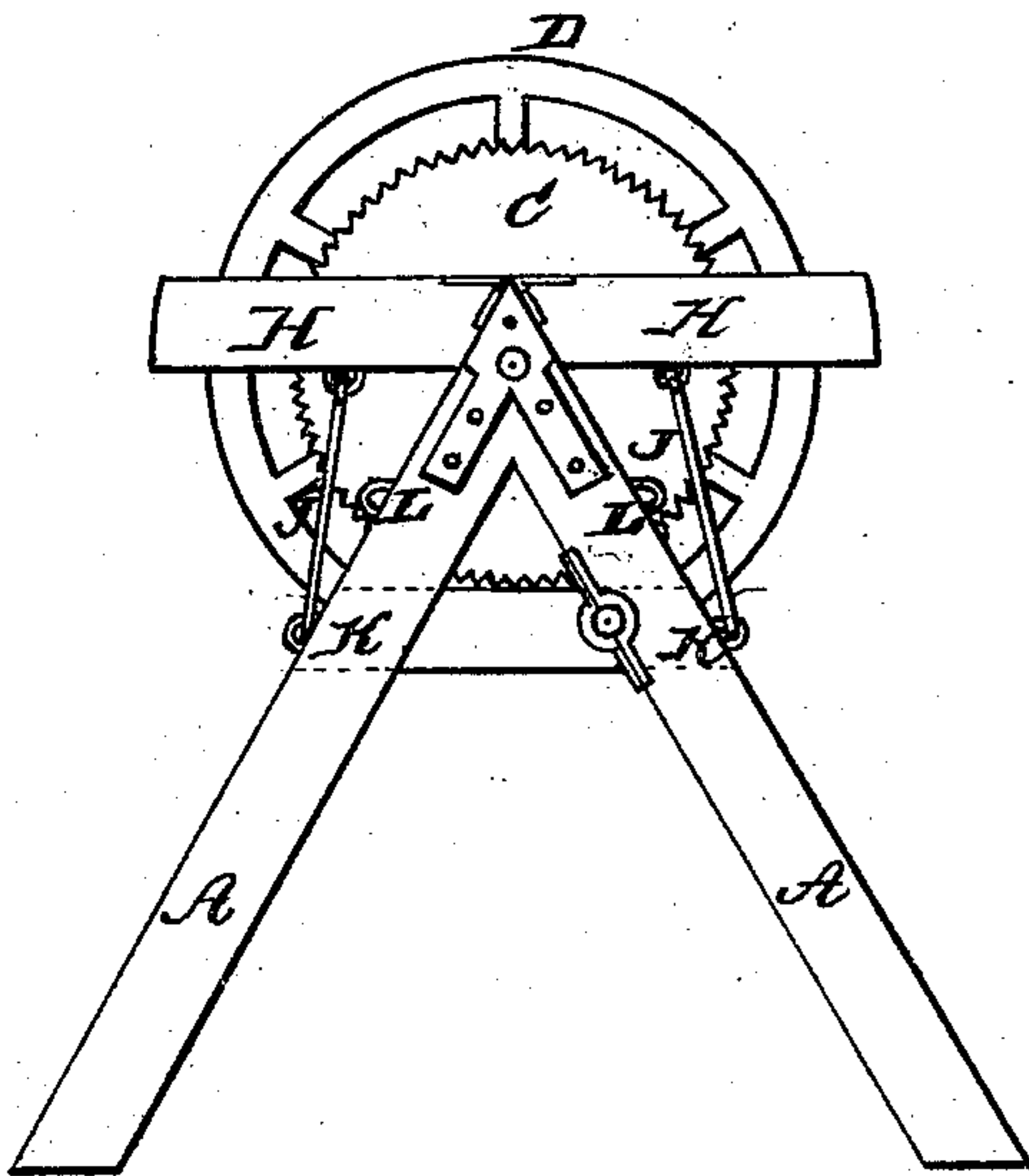


Fig. 3



Witnesses
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UNITED STATES PATENT OFFICE.

ADOLPH ALBIES, OF ATCHISON, KANSAS.

FIRE-WOOD CIRCULAR SAW.

SPECIFICATION forming part of Letters Patent No. 273,425, dated March 6, 1883.

Application filed December 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, ADOLPH ALBIES, of Atchison, in the county of Atchison and State of Kansas, have invented certain new and useful Improvements in Hand-Power Sawing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of my improved hand-power sawing-machine. Fig. 2 is an end view of the same, and Fig. 3 is a similar view with the gear-wheels and handle broken away.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to sawing-machines for hand-power; and it consists in the improved construction and combination of parts of a hand-power sawing-machine having an adjustable saw-table, as hereinafter more fully described and claimed.

In the accompanying drawings, the letters A A indicate the supports, the apices of which form bearings for the shaft B, upon which the circular saw C is fastened. The saw is fastened at the center of the shaft, and upon the one end of the shaft, outside the bearing, is fastened a fly-wheel, D, while upon the other end, outside the bearing at that end, is fastened a pinion, E, which is engaged by the cog-wheel F, provided with a handle, G, by which it is rotated. To the top of each of the supports are hinged two arms, H H, the lower ends of which are beveled, I, to correspond to the inclination of the supports, so that when folded out, as shown in Fig. 3 of the drawings, they will form a straight table, the arms be-

ing furthermore supported and braced by hooks J, which engage staples K upon the supports.

When it is desired to raise the arms to form a V-shaped support for the wood to be sawed, as shown in Fig. 2, the hooks are changed to staples L, above the other staples, in which position the wood is sawed from the under side up, and is fed by its own weight, while when the arms extend straight out the wood is fed from the side, and must be held against the saw while sawing it.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination of the supports A, having arms H, capable of being adjusted to form a flat saw-table or V-shaped supports for the wood to be sawed, with the circular saw C, journaled in the top of the supports, and means for operating it, substantially as and for the purpose shown and set forth.

2. The herein-described sawing-machine, consisting of the supports A, having arms H, hinged at their tops, having beveled lower ends, I, and hooks J, engaging staples K and L, shaft B, journaled at the top of the supports, and having circular saw C, fly-wheel D, and pinion E, and cog-wheel F, having operating-handle G, all constructed and combined to operate substantially as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

ADOLPH ALBIES.

Witnesses:

VALENTINE RECKERT,
JOHN M. SEITZ.