

Geo. F. ALMY^{sr} Machine for Sawing Spokes.

PATENTED JUL 11 1871

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Fig. 1.

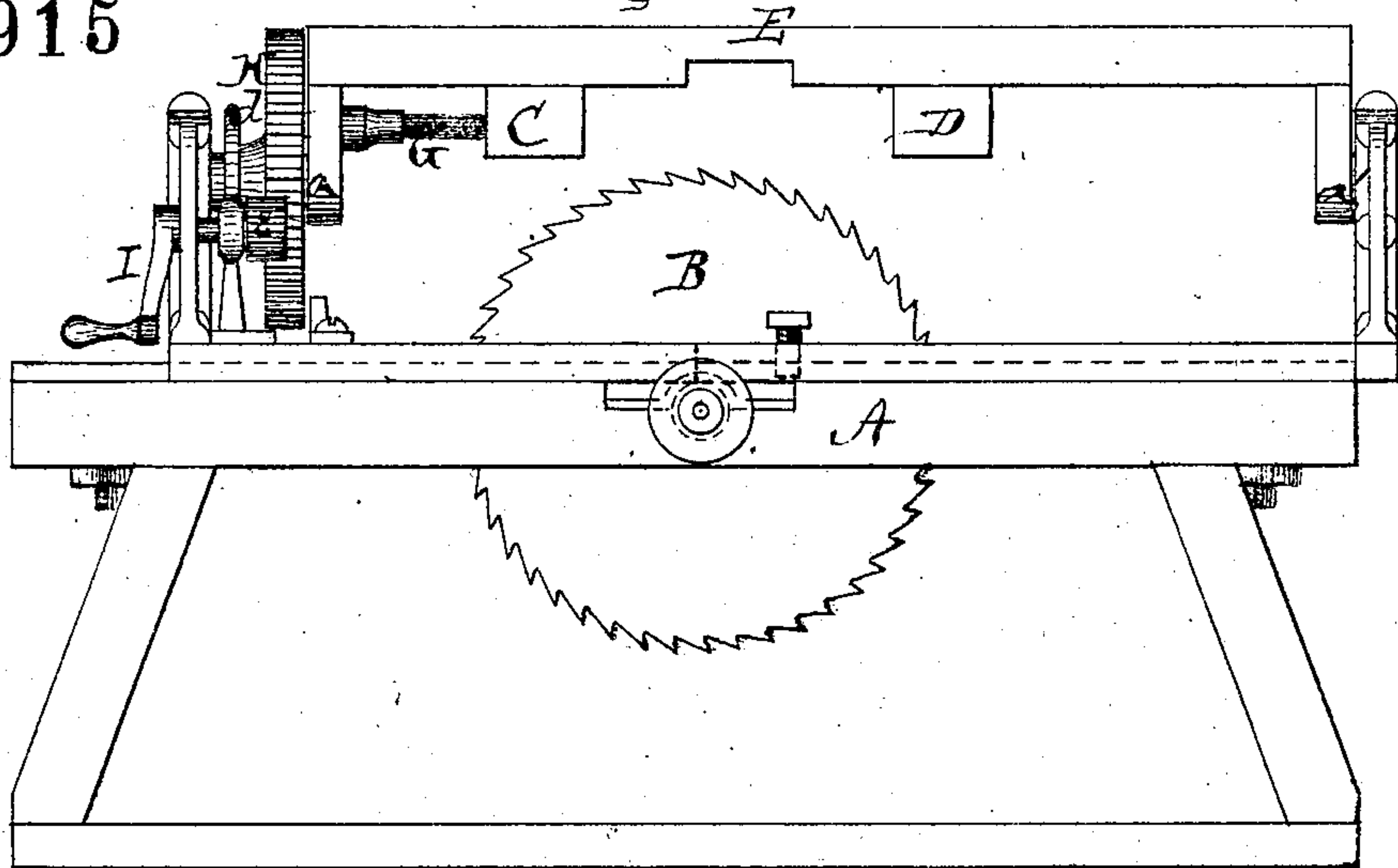
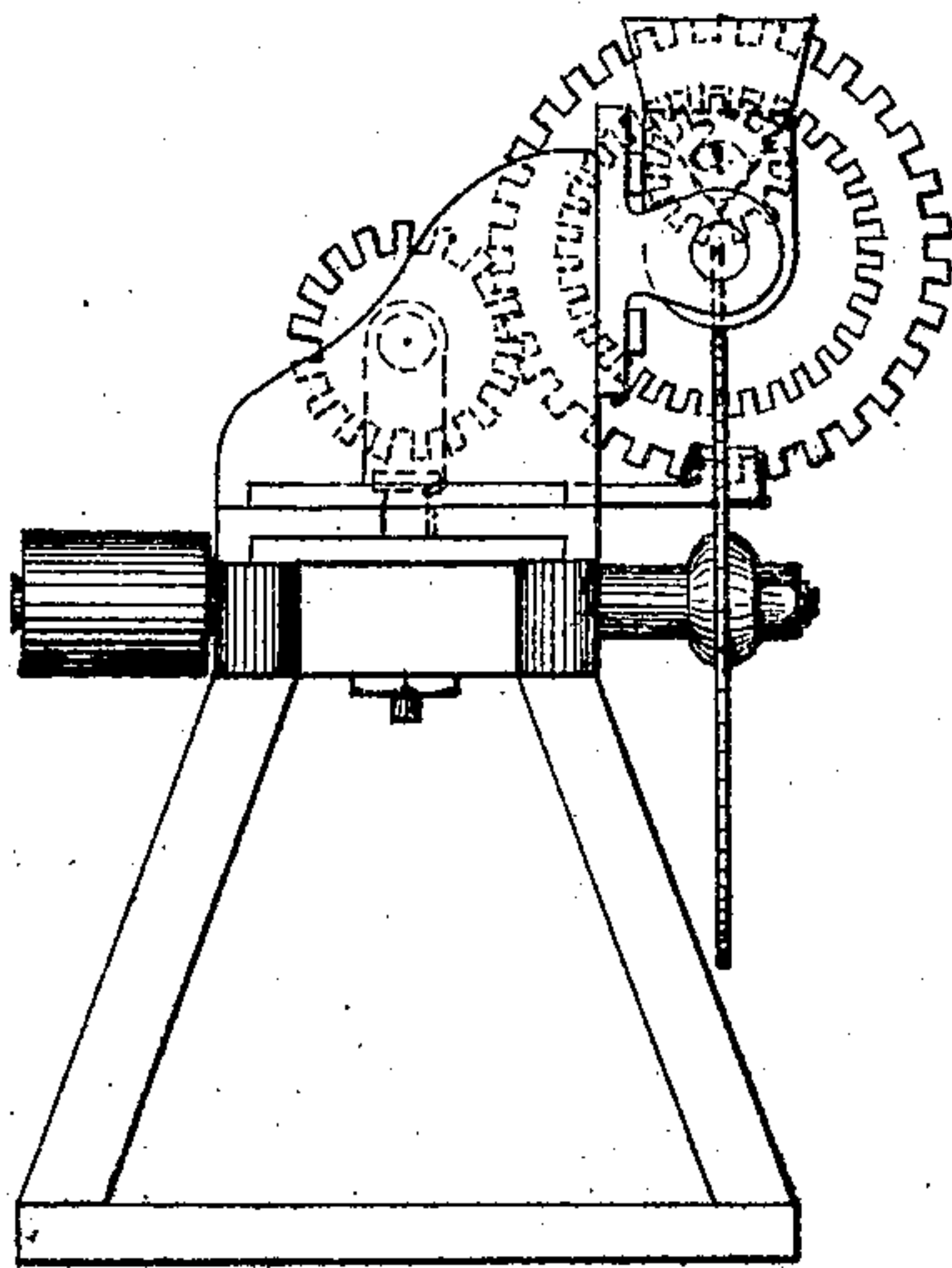


Fig. 2.



Witnesses
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GEORGE F. ALMY, OF TOLEDO, OHIO.

IMPROVEMENT IN SPOKE-SAWING MACHINES.

Specification forming part of Letters Patent No. 116,915, dated July 11, 1871.

To all whom it may concern:

Be it known that I, GEORGE F. ALMY, of Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Machinery for Sawing Spokes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a machine for sawing spokes in diamond-shape, cutting each spoke clear from the log, as will be hereinafter more fully set forth.

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 drawing, in which—

Figure 1 is a side elevation, and Fig. 2 an end view of my machine.

A represents the bed of the machine, upon which the circular saw is mounted; or, rather, the saw is mounted upon a shaft supported by the bed in any suitable manner. The log from which the spokes are to be cut is held by its side between the diamond-shaped head and tail-blocks C and D, which are attached to a bar, E, said bar being hung or pivoted, at the points *a a'*, in line with the top of the saw B. By placing the log with its center on a line with the points *a a'* the

saw will therefore always cut to the center, no matter what position the bar E may occupy. The head-block C is worked back and forth, for adjusting the log, by the screw G, on the end of which is a small cog-wheel or pinion, *b*, gearing with the inside row of cogs of the large wheel H. This wheel is made to turn loose upon the shaft *a* when the log is being adjusted, after which it is made tight by means of a fastening, *d*, on the back. I is a crank, to which is attached a small pinion, *e*, and which serves to work the screw G when the wheel H is loose upon the shaft *a*, and also to revolve the bar E and log when sawing after the wheel is made tight.

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

1. The bar E, provided with head and tail-blocks C D, and hung or pivoted, at points *a a'*, on a line with the top of the saw, substantially as and for the purposes herein set forth.

2. The combination and arrangement of the screw G with pinion *b*, wheel H with fastening *d*, and the crank I with pinion *e*, all substantially as and for the purposes herein set forth.

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

GEO. F. ALMY.

Witnesses:

W. P. GARRITT,
W. M. JOHNSON.