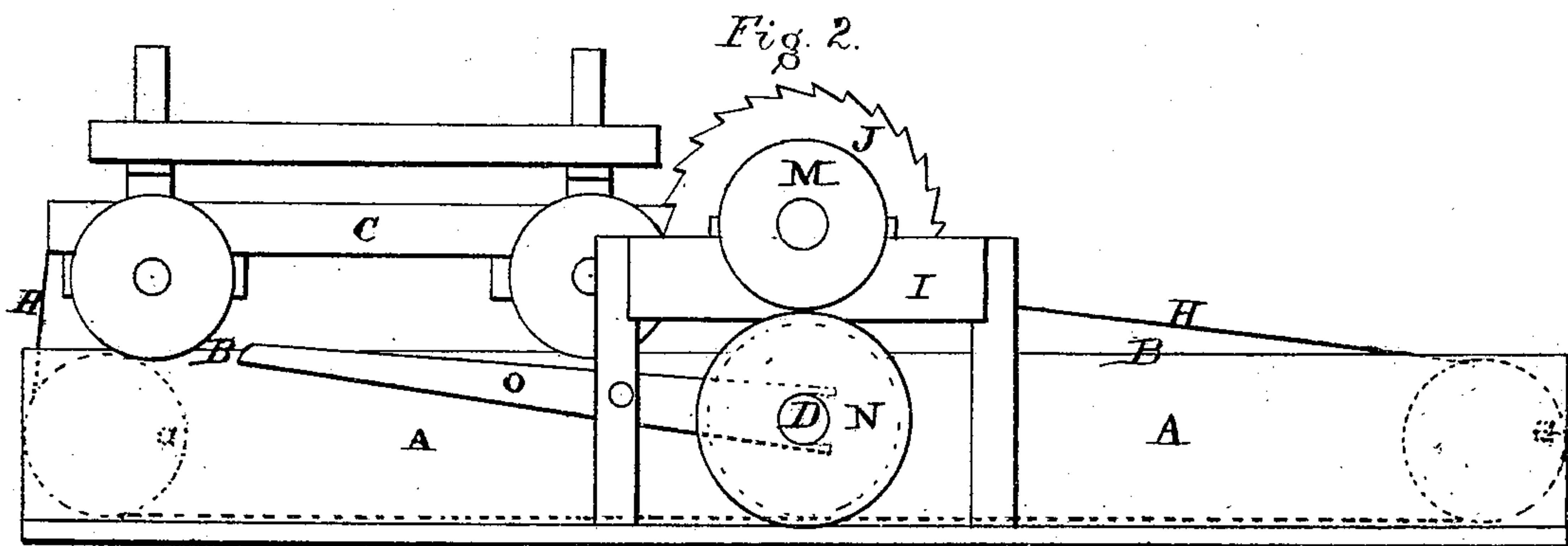
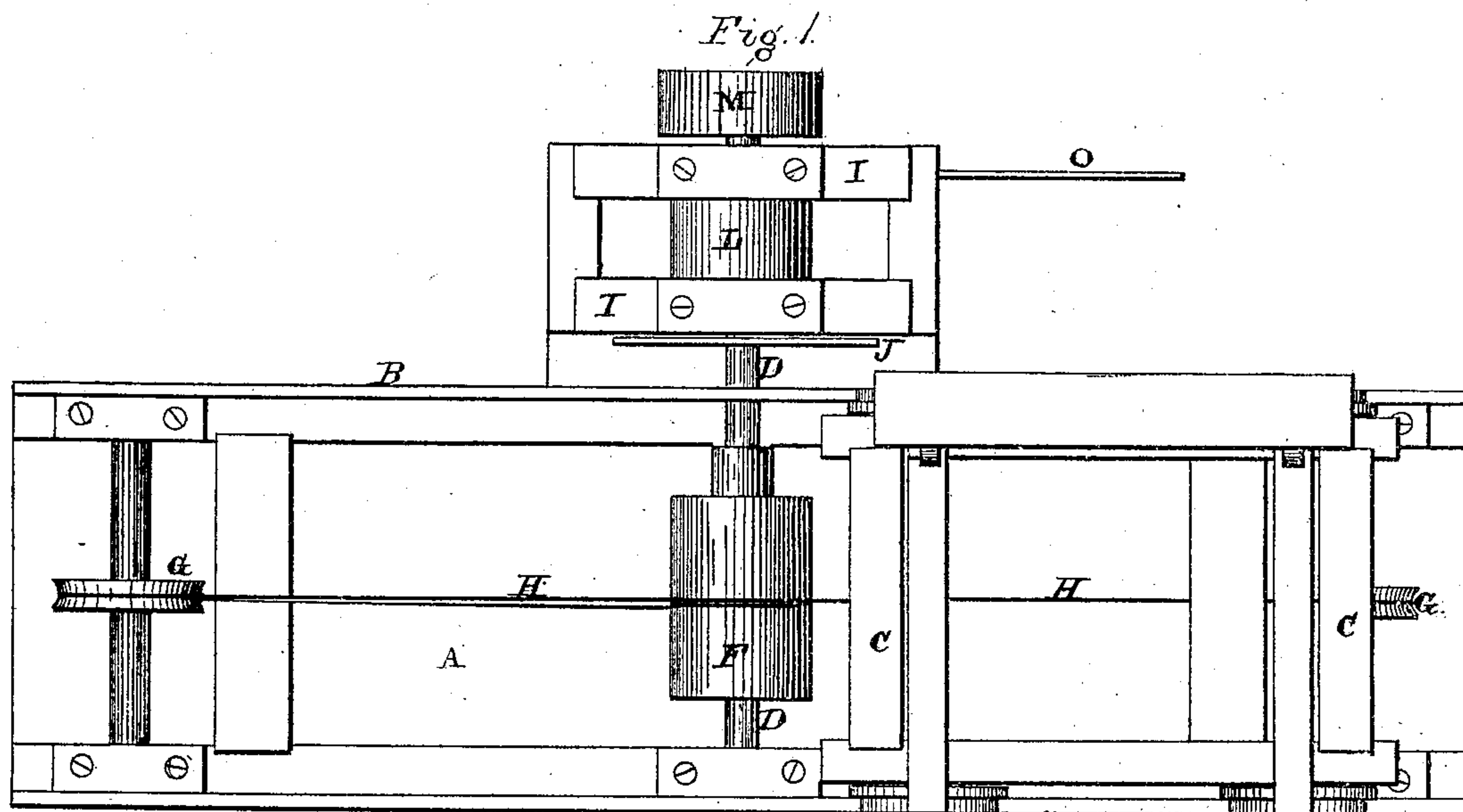


W. LAMB.

Improvement in Log-Carriage for Saw-Mills.

No. 132,086.

Patented Oct. 8, 1872.



Witnesses.

Wells W. Leggett.  
Alex Davidson

Inventor.

Willard Lamb  
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# UNITED STATES PATENT OFFICE.

WILLARD LAMB, OF GREEN BAY, WISCONSIN.

## IMPROVEMENT IN LOG-CARRIAGES FOR SAW-MILLS.

Specification forming part of Letters Patent No. **132,086**, dated October 8, 1872.

*To all whom it may concern:*

Be it known that I, WILLARD LAMB, of Green Bay, Wisconsin, have invented certain new and useful Improvements in Log-Carriage for Saw-Mills, of which the following is a specification:

The nature of my invention consists in a friction-pulley connected to the carriage, and which can be made to gear with a pulley on the saw-shaft so as to feed the carriage forward to the saw, as will hereafter be more fully set forth.

In the accompanying drawing, Figure 1 is a plan view of my invention; Fig. 2 is a side elevation of the same.

A represents the bed-frame, provided with the rails B, upon which the carriage C moves back and forth. Extending across the center of this bed is a shaft, D, which is provided with a drum, F, toward one end, and a friction-pulley, N, on the other. Attached to one end of the carriage is a wire rope, H, which passes around one of the pulleys G, then one or more times around the drum, then under the second pulley, and is secured to the opposite end of the carriage, so that by turning the drum F the carriage will be moved to or from the saw, as may be desired. Secured to the side of the bed A is a frame, I, upon which the saw J has its bearings, motion being imparted to the saw by a belt on the pul-

ley L. On the opposite end of the saw-shaft from the saw is a friction-pulley, M, which is made to gear with the friction-pulley N by raising the end of the shaft D upward by means of the lever O until the surfaces of the two pulleys come in contact. The lever O has its end bifurcated so as to extend around the shaft D; but a screw or any other suitable device would answer just as well.

Motion being imparted to the pulley M by pressing down upon the lever O, and raising the pulley N until its surface comes in contact with the pulley M, the friction will cause the shaft D and drum F to revolve, and thus, by means of the wire-rope, the carriage will be fed forward to the saw.

The extreme simplicity of my device, the small number of parts, and the ease with which it can be operated, make it especially desirable.

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

The combination of the pulleys M N, lever O, drum F, rope or chain H, pulleys G, and carriage C, when all are combined to operate as described.

WILLARD LAMB.

Witnesses:

WELLS W. LEGGETT,  
H. S. ABBOT.