

(No Model.)

J. H. COPPOCK.

SAWING MACHINE.

No. 307,018.

Patented Oct. 21, 1884.

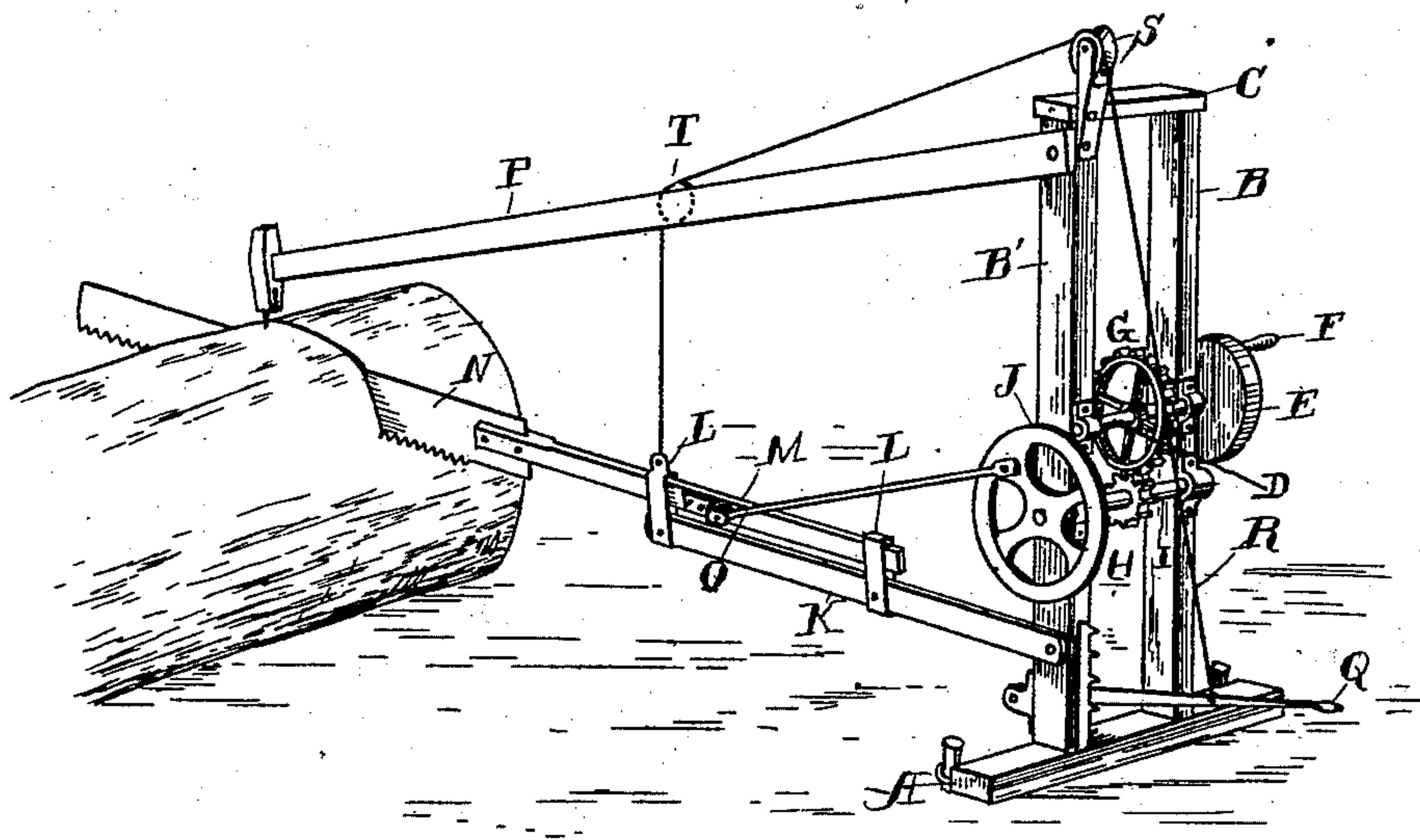


Fig. 1.

WITNESSES:

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By

UNITED STATES PATENT OFFICE.

JAMES H. COPPOCK, OF DEER CREEK, INDIANA.

SAWING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 307,018, dated October 21, 1884.

Application filed June 30, 1884. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. COPPOCK, of Deer Creek, in the county of Carroll and State of Indiana, have invented a new and useful
5 Improvement in Sawing-Machines, which improvement is fully set forth in the following specification and accompanying drawing, in which the figure is a perspective view of my improved sawing-machine.

10 The present invention relates to an improvement in sawing-machines in which I desire to provide a device that is both portable and easily adjusted.

15 My device consists of an upright frame having journaled transversely therein a pair of shafts having thereon a spur-wheel and pinion, and outwardly communicating by means of a pitman-rod with a saw-shaft, all of which will now be fully set forth in detail.

20 In the accompanying drawing, A is a base of any suitable form, preferably of wood, having journaled therein on its upper face a pair of posts, B and B', with a suitable transverse piece, C, secured in any suitable manner at
25 the upper ends. These posts are placed at a little distance apart, and have journaled thereon about midway between the upper and lower parts a transverse shaft, D. This shaft is provided at one end with a pulley, E, and outwardly, if desired, a handle, F. Between
30 these posts on the shaft D, I provide a spur-wheel, G, engaging with a pinion, H, on the shaft I beneath. The said shaft I is journaled to the posts parallel with the shaft D, and has at the end outwardly from the frame a circular disk, J, secured thereon. This disk J is preferably placed on the opposite side of the frame from the pulley E and crank F. On
35 the side of the frame beneath the disk J a shaft, K, is hinged, extending forward some distance. A pair of keepers, L, are placed on this shaft, and have sliding therein a saw-shaft, M, the outward end having secured thereto a suitable saw, N. A pitman-rod, O, is de-
45 signed to be pivoted to the disk J, and engages

with the saw-shaft M. At the parallel part of the frame a saw-guide, P, is hinged, extending forward over the saw and designed to engage with the upper part of the log to be operated upon. A lever, Q, secured at its forward end to one side of the frame-post B', has
50 a cord, R, extending up over a pulley, S, and forward around a pulley, T, in the saw-dog P, and downward to the forward end of the shaft K, to which it is secured. By means of
55 said lever Q and cord R the saw-shaft may be raised or lowered, as may be found desirable. The lever Q is designed to engage with a series of notches on the post B', by means of which it may be held in any convenient posi-
60 tion.

The operation of this device, as will be noticed, is very simple, and consists, principally, in the proper adjustment of the saw-shaft by means of the lever Q and the cord R, after
65 which the reciprocal motion of the saw is produced by the rotary motion of the crank F, or, if power is designed to be applied otherwise, by means of a belt (not shown) operating upon the pulley E.
70

What I claim is—

The combination, in a crosscut-sawing machine, of the main frame, means for securing this frame to the ground, the saw-dog P, pivoted to said frame and provided with a spike
75 on its free end, the reciprocating saw-shaft M, the shaft K, pivoted to said frame, the keepers or guides L L, pitman O, disk J, the cord R, attached directly to one of said keepers, the pulleys T S, lever Q, a rack for this lever, and
80 the driving-gearing, all constructed and adapted to operate substantially as and for the purposes described.

In testimony that I claim the foregoing I have hereunto set my hand, this 23d day of
85 June, 1884, in the presence of witnesses.

JAMES H. COPPOCK.

Witnesses:

BRUCE F. NEWER,
H. SHANKS.