

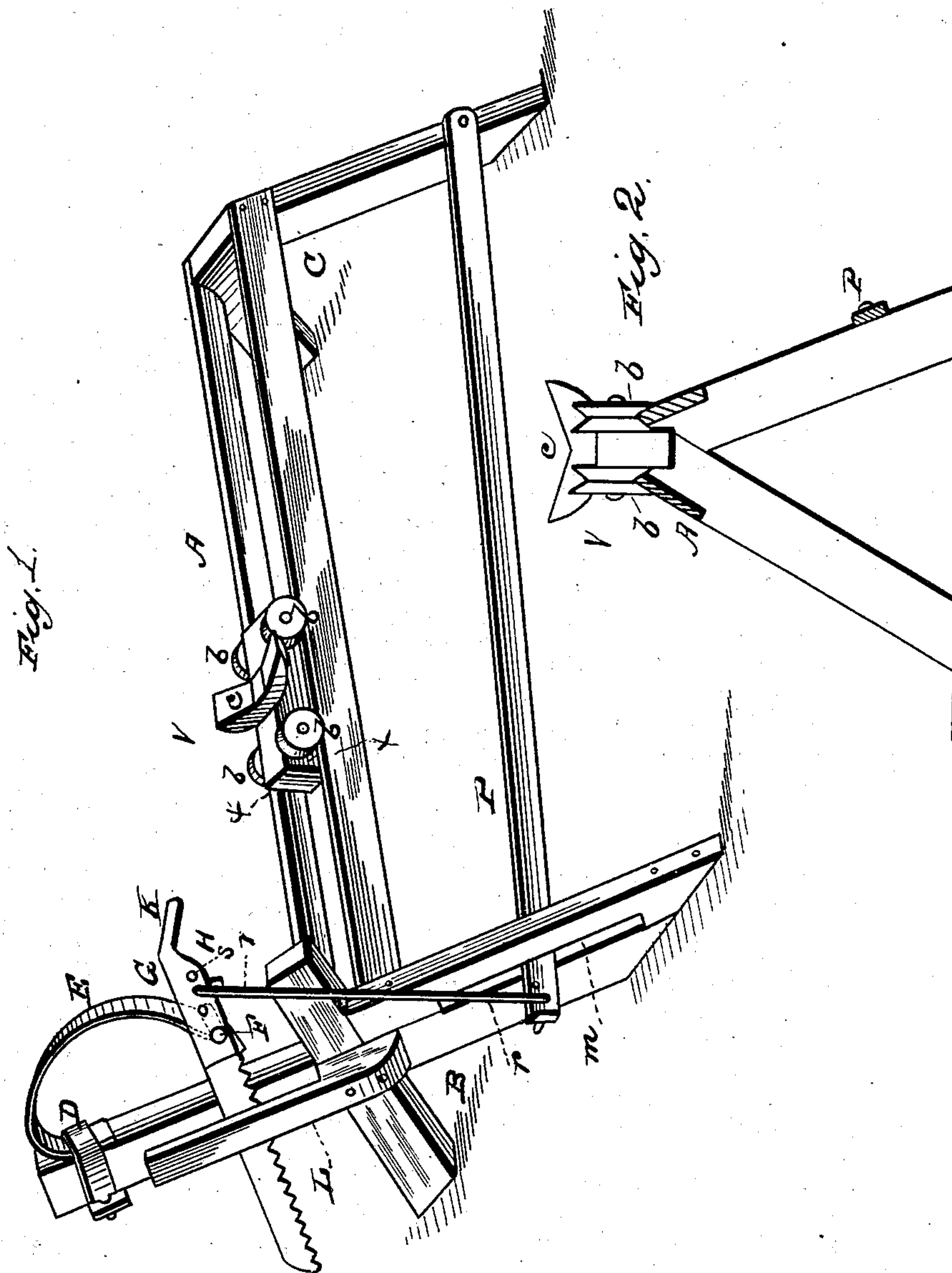
(No Model.)

J. T. H. DRAKE.

SAWING MACHINE.

No. 280,149.

Patented June 26, 1883.



WITNESSES
E. H. Bates.
Philip C. Masi.

INVENTOR
J. T. H. Drake,
by Adams & Smith
his ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN T. H. DRAKE, OF EMPORIA, MISSOURI.

SAWING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 280,149, dated June 26, 1883.

Application filed April 28, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. H. DRAKE, a citizen of the United States, residing at Emporia, in the county of Daviess and State of Missouri, have invented certain new and useful Improvements in Sawing-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a perspective view of my machine. Fig. 2 is a transverse section on line *x x* of Fig. 1, looking toward the right.

This invention has relation to sawing-machines; and it consists in the construction and novel arrangement of devices, as hereinafter set forth, and particularly pointed out in the appended claim.

In the accompanying drawings, the letter A designates parallel track-bars, which are supported at one end by the crossed standards B and at the other by the legs C. Connected to the upper arm of one of the crossed standards by a clip, D, is a spring, E, which extends in arched form transversely, and is connected by means of a pivot, F, to the saw G at its handle portion H. K represents the handle of the saw, and L is a guide-bar secured to the standards and serving to guide the saw in its movements. In the lower portion of the standard B is made a slot or guideway, *m*, in which is seated the end of a treadle, P, the other end of which is pivoted to a bearing at the other end of the frame. To the end of the treadle is connected a rod, *r*, which extends upward, and

is pivoted at its upper end to the heel portion of the saw, near the pivot F, which connects the saw to the spring. A series of perforations, *s*, are provided near the pivot F in the heel portion of the saw, to enable the rod *r* to be adjusted in accordance with the pressure desired.

V represents a carriage consisting of a central body portion, *a*, supported by lateral grooved wheels *b*, and extending downward between the track-bars A, on which the grooved wheels bear, so as to form a guard-bearing or check to prevent the carriage from being thrown off the track-bars. The carriage is provided with a transverse V-shaped rest or bearing, *c*, on which the stick or log to be sawed is supported and run up to the saw.

In using this machine the workman can sit on the log and operate the saw with his feet alone by means of the treadle; or he can use both the treadle and handles in working the saw. The carriage enables the operator to move heavy logs to the saw with ease.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

A sawing-machine consisting of a track-frame supported on crossed standards and legs, and having a treadle, P, the saw G, connected to an upper arm of one of the standards by an arched spring, E, the adjustable connecting-rod *r*, and the carriage V, having a downward extension between the track-bars, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN THOMAS HENRY DRAKE.

Witnesses:

F. C. EASTMAN,
JOHN BELINGER.