

S. A. Gardner,
Sawing Machine,
No. 97,626 *Patented Dec. 7. 1869.*

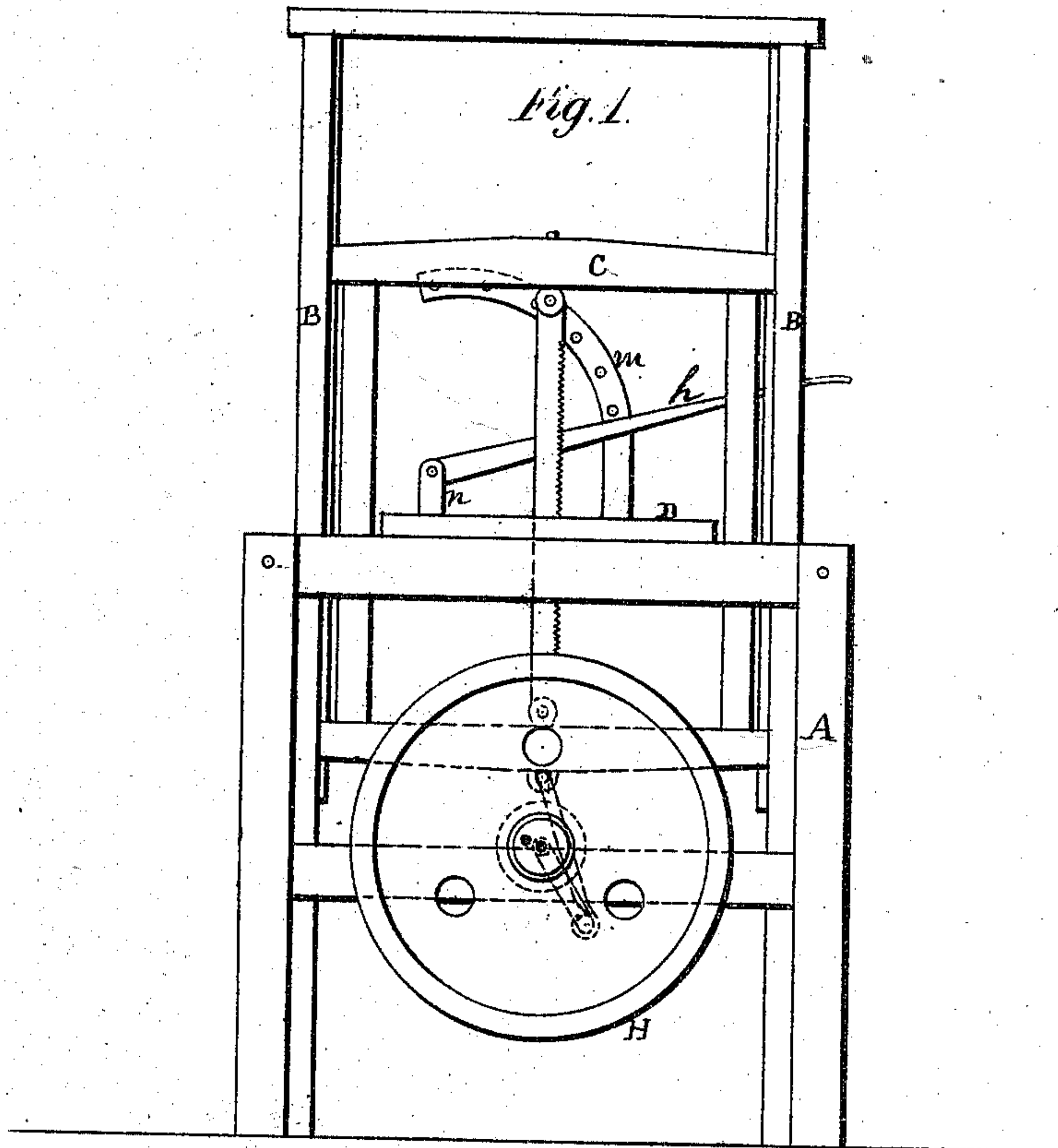
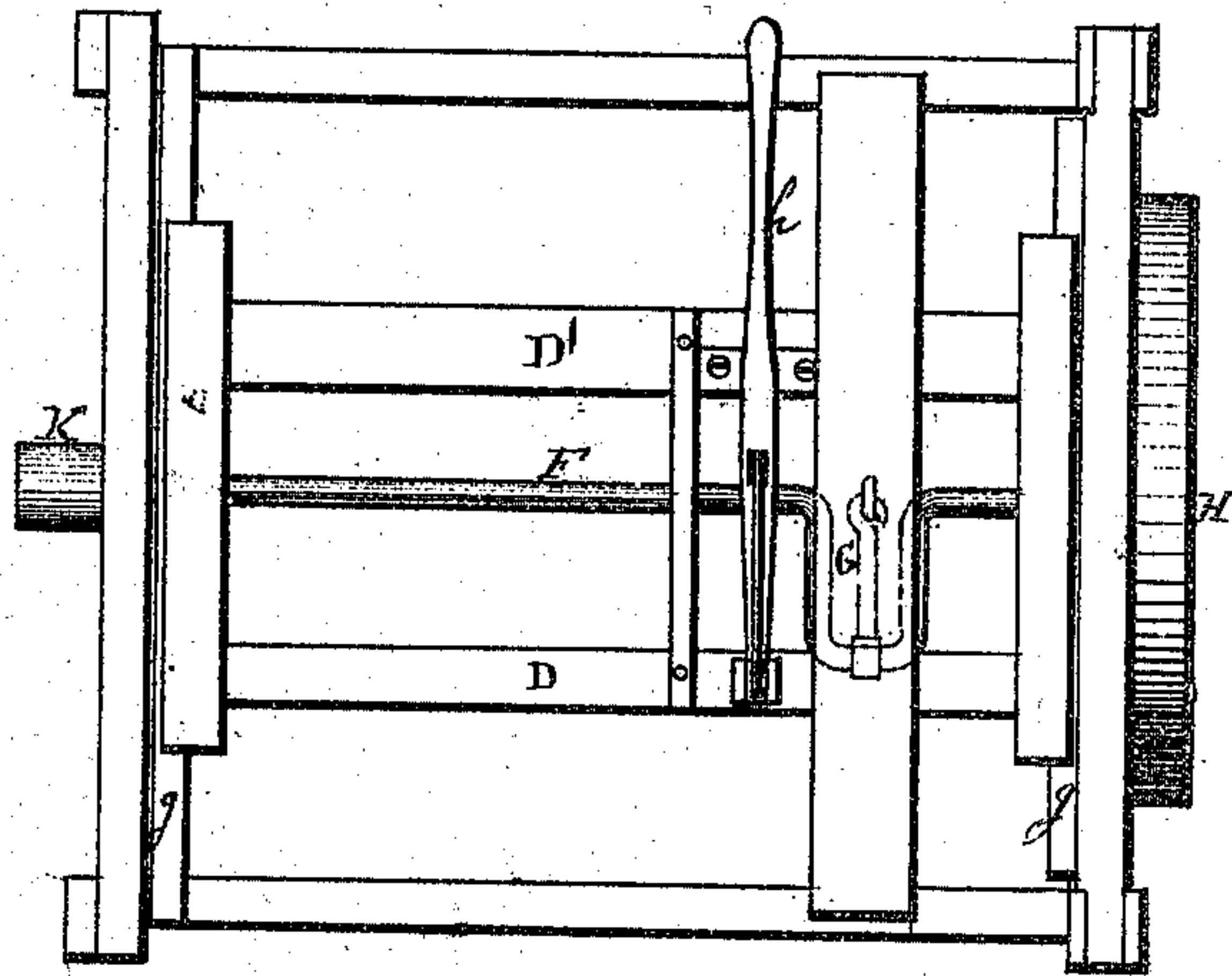


Fig. 2.



Witnesses

John A. Ellis,
James V. White.

Inventor

S. A. Gardner
Per
T. H. Alexander
Att'y

United States Patent Office.

SAMUEL A. GARDNER, OF ROUND HILL, PENNSYLVANIA.

Letters Patent No. 97,626, dated December 7, 1869.

IMPROVEMENT IN SAWING-MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, SAMUEL A. GARDNER, of Round Hill, in the county of Adams, and State of Pennsylvania, have invented certain new and useful Improvements in Sawing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 represents an end elevation of my sawing-machine.

Figure 2 is a plan view of the same.

The nature of my invention consists in the construction and general arrangement of the devices of a sawing-machine, as hereinafter described.

A, in the annexed drawings, represents the frame of my machine, and

B B, the fender-posts.

C designates the saw-gate, the ends of top and bottom cross-pieces of which are grooved, to work in tongues on the fender-posts B B.

D D' represent the ways, for supporting the timber to be sawed.

The ways D D' are mortised at their two ends into the slides E E, the said slides being rabbeted at their outer surface, so as to glide on the bars g g.

m represents a curved bar, with a series of perforations, the said bar being firmly secured at its base to the way D'.

h designates a lever, which has its fulcrum in post n, and having a slot near its centre, through which the curved bar m is made to pass.

The object of lever n and curved bar m is to hold the timber firmly when under the action of the saw.

F represents a shaft, which has its bearings on the end pieces of frame A.

That portion of shaft F which is directly under the saw-gate is bent into the form of a crank, the wrist of said crank being embraced by the pitman G.

The upper end of pitman G is hooked into an eye on the lower cross-piece of saw-gate C.

H represents the balance-wheel, and K the driving-pulley, on opposite ends of shaft F.

My machine can be operated either by inserting a bar into the balance-wheel, and driving the saw by hand, or otherwise, by a band leading from pulley K to the motive-power.

When the saw is operating, the ways D D', on which the timber is placed, will be pushed toward the saw by hand.

I am aware that there is nothing new in the several devices composing my machine, and, therefore, disclaim the novelty of any of them when used separately.

Having thus described my machine,

What I claim, and desire to secure by Letters Patent, is—

A sawing-machine, consisting of frame A, sliding frame D D', gate C, fender-posts B, crank-shaft F, lever h, and curved bar m, the whole constructed, arranged, and operated as and for the purpose specified.

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

SAMUEL A. GARDNER.

Witnesses:

ADAM S. MYERS,
JACOB FIRST.