(No Model.)

L. H. & I. E. GIBBS.

Drag Sawing Machine.

No. 241,960. **Patented May 24, 1881.**

Fig. 1.

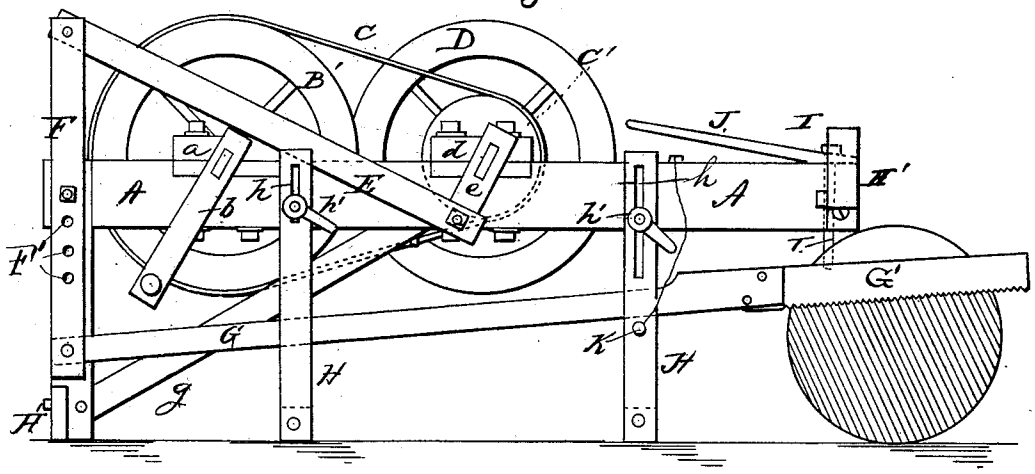
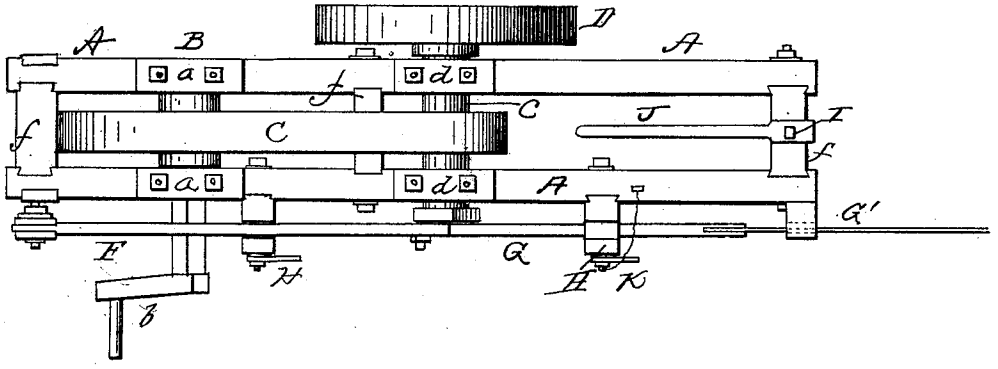


Fig. 2.



WITNESSES.

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LEONARD H. GIBBS AND ISAAC E. GIBBS, OF MOUNT AIRY, GEORGIA.

DRAG-SAWING MACHINE.

SPECIFICATION forming part of Letters Patent No. 241,960, dated May 24, 1881.

Application filed March 18, 1881. (No model.)

To all whom it may concern:

Be it known that we, L. H. GIBBS and I. E. GIBBS, citizens of the United States, residing at Mount Airy, in the county of Habersham and State of Georgia, have invented certain new and useful Improvements in Mechanical Motors for Saws; and we do hereby 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 the letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to machines for sawing logs; and it consists in the construction and arrangement of parts, as hereinafter more fully described and claimed.

Figure 1 is a side view, and Fig. 2 is a plan. Like letters indicate like parts.

The frame of the machine is represented by A, and supported at its rear end by legs A'. This frame is provided with bearings *a a*, in which is journaled the crank-shaft B, that carries the driving-wheel B', which is operated by the crank *b*. The wheel B' is connected by belting *c* with a pulley or small wheel, C', on the forward shaft, C, that is journaled in bearings *d d*. The shaft C carries at one end a fly-wheel, D, and at its opposite end a crank, *e*, which is connected by the pitman E with the upper end of a lever or connecting-rod, F, that is pivoted at the rear end of the frame, and provided with adjustments F'.

To the lower end of the lever F is pivoted the saw-handle G. This handle carries at its forward end the saw G', and is supported in adjustable guides H, attached to the side of the frame A. The guides H are provided at their upper ends with slots *h* and set-screws *h'*, by which they may be readily adjusted to the required height, in order to guide the saw and keep it in proper position. A stationary saw-guide, H', is attached to the forward end of the machine.

The opposite sides of the frame A are connected by cross-pieces *f f f*, and the frame is strengthened by braces *g g*. The forward cross-piece, *f*, is perforated for the passage of a spike, I, that is first passed through an eye in the end of a lever, J, and penetrates the log sufficiently to hold it in position. After the log has been sawed the spike may be withdrawn by pressure upon the end of the lever J.

When the saw is not in use the forward guide, H, may be adjusted so as to allow the saw to be raised until it enters the stationary guide H', where it is held in place by means of a spike or pin, K, that enters an opening in the guide H below the saw, and thus secures it so as to be protected from injury during transportation.

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

In a drag-sawing machine, the frame A, provided with the spike I, lever J, the adjustable guides H, having slots *h*, set-screws *h'*, and pin K, in combination with the saw G', handle G, lever F, having adjustments F', pitman E, cranks *b* and *e*, and wheels B' and D, constructed and arranged substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

LEONARD H. GIBBS.
ISAAC E. GIBBS.

Witnesses:
J. P. BROWN,
W. C. KING.