

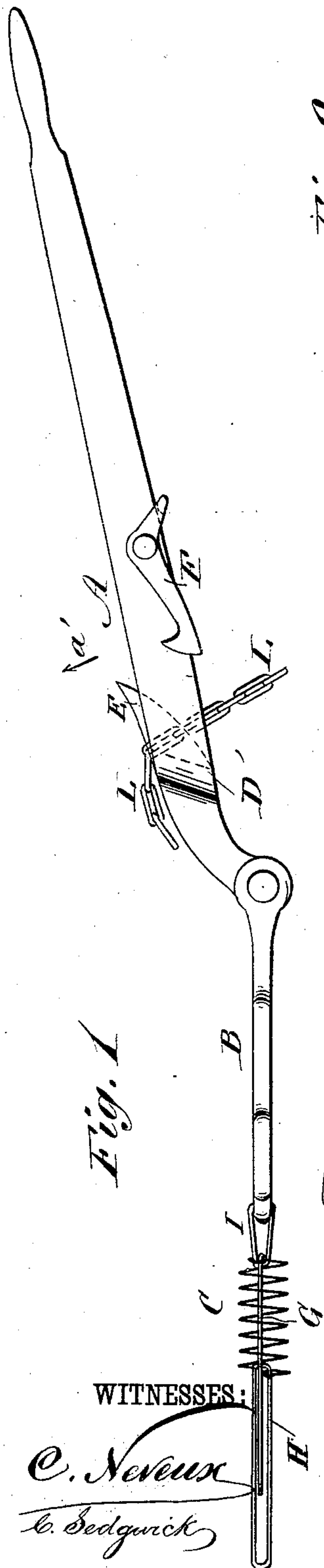
(Model.)

J. FLYNN.

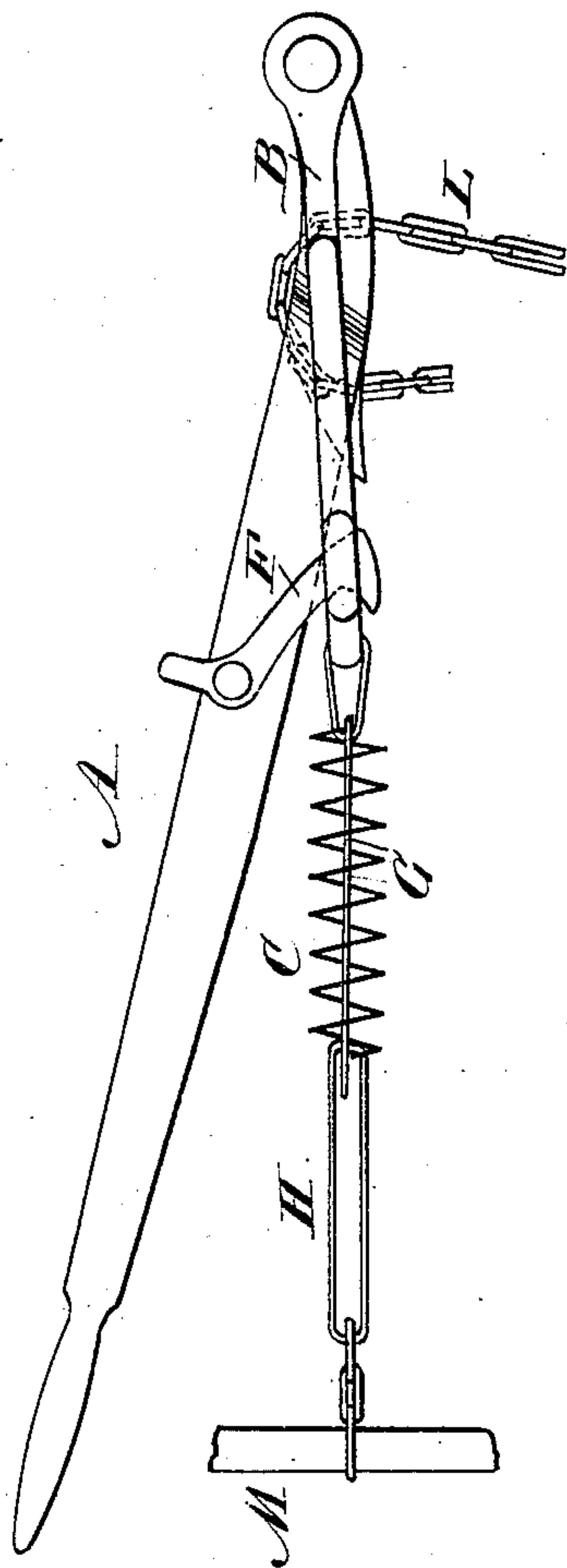
LOG BINDER.

No. 304,815.

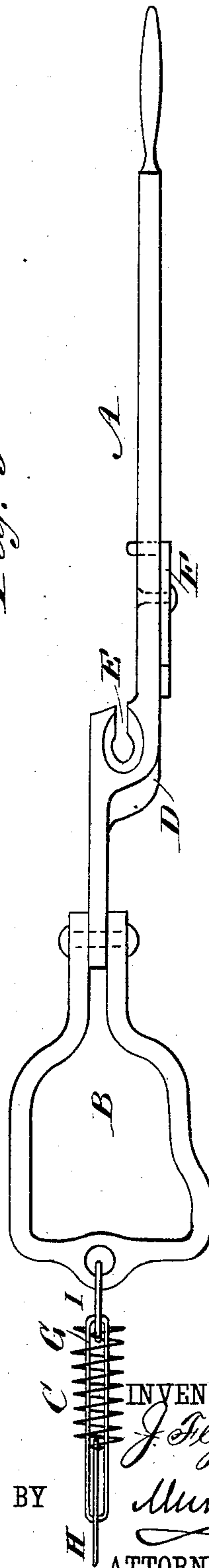
Patented Sept. 9, 1884.



*Fig. 2*



*Fig. 3*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN FLYNN, OF ROSCOMMON, MICHIGAN.

## LOG-BINDER.

SPECIFICATION forming part of Letters Patent No. 304,815, dated September 9, 1884.

Application filed May 5, 1884. (Model.)

*To all whom it may concern:*

Be it known that I, JOHN FLYNN, of Roscommon, county of Roscommon, Michigan, have invented a new and Improved Log-Binder, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved device for drawing taut the chains or ropes slung around logs, &c., and then holding the chain or chains taut.

The invention consists in a lever provided with a grab and a locking-latch and pivoted to a frame connected with one end of the chain or some fixed object. One link is placed in the grab, the chain is drawn taut, and the lever is locked on the frame by means of the latch.

The invention also consists in the combination, with the frame, of a spring having a safety-link to prevent it from breaking, as will be fully set forth hereinafter.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal elevation of my improved log-binder, showing it ready for drawing a chain taut. Fig. 2 is a longitudinal elevation of the same, showing the position it has when the chain has been drawn taut. Fig. 3 is a plan view of the same.

A lever, A, is pivoted between the ends of the prongs of a V-shaped frame, B, on the center of the cross-piece of which a spiral spring, C, is held. The lever A is provided with a bend, D, at which a claw or grab, E, is formed, the top of which is beveled from the pivoted to the free end of the lever, so that the open end of the claw will be toward the handle end of the lever. A hook-latch, F, is pivoted on one side of the lever A, near the claw E. The spring C is coiled loosely around a link, G, held on the frame B by a link, I, to which link I the inner end of the spring is attached. Through the link G a link, H, passes, which is also connected with the outer end of the spring. The outer end of the link H is secured to any suitable object, and if the spring is stretched the outer end of link H, with the

outer end of the spring C, are drawn to the outer end of the link G, against which they strike, the said link thus constituting a safety-link to prevent stretching the spring too far.

The log-binder is used in the following manner: The outer end of the link H is secured to a pole or bar, M, the chain L passed around the logs, &c., drawn as taut as possible, and one link placed in the grab or claw E, the lever A being in the position shown in Fig. 1. The lever A is then swung upward and over in the direction of the arrow *a'* into the position shown in Fig. 2, whereby the chain is drawn very taut and the spring C stretched. The hook-latch F is then swung down to cause its prong to catch on the cross-piece of the frame B, thus locking the lever A in place and holding the chain taut.

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

1. In a log-binder, the combination, with a lever having a claw or grab, of a frame in which the lever is pivoted, and of a latch for locking the lever or frame, substantially as herein shown and described.

2. In a log-binder, the combination, with a lever, A, having a claw or grab, E, at the bend D, of the V-shaped frame B, between the prongs of which the lever A is pivoted, and of the hook-latch F, pivoted to the lever, substantially as herein shown and described.

3. In a log-binder, the combination, with the frame B, of the lever A, pivoted to the same, and having a claw or grab, E, the latch F, and the spring C, held on the cross-piece of the frame B, substantially as herein shown and described.

4. In a log-binder, the combination, with the frame B, of the lever A, the latch F, the spring C, the link G, held to the frame B and surrounded by the spring C, and of the link H, passed through the link G and connected with the free end of the spring C, substantially as herein shown and described.

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