No. 676,135. Patented June 11, 1901.

G. R. JACKSON.

SAW.

(Application filed Mar. 23, 1901.)

(No Model.)

Fig. 1.

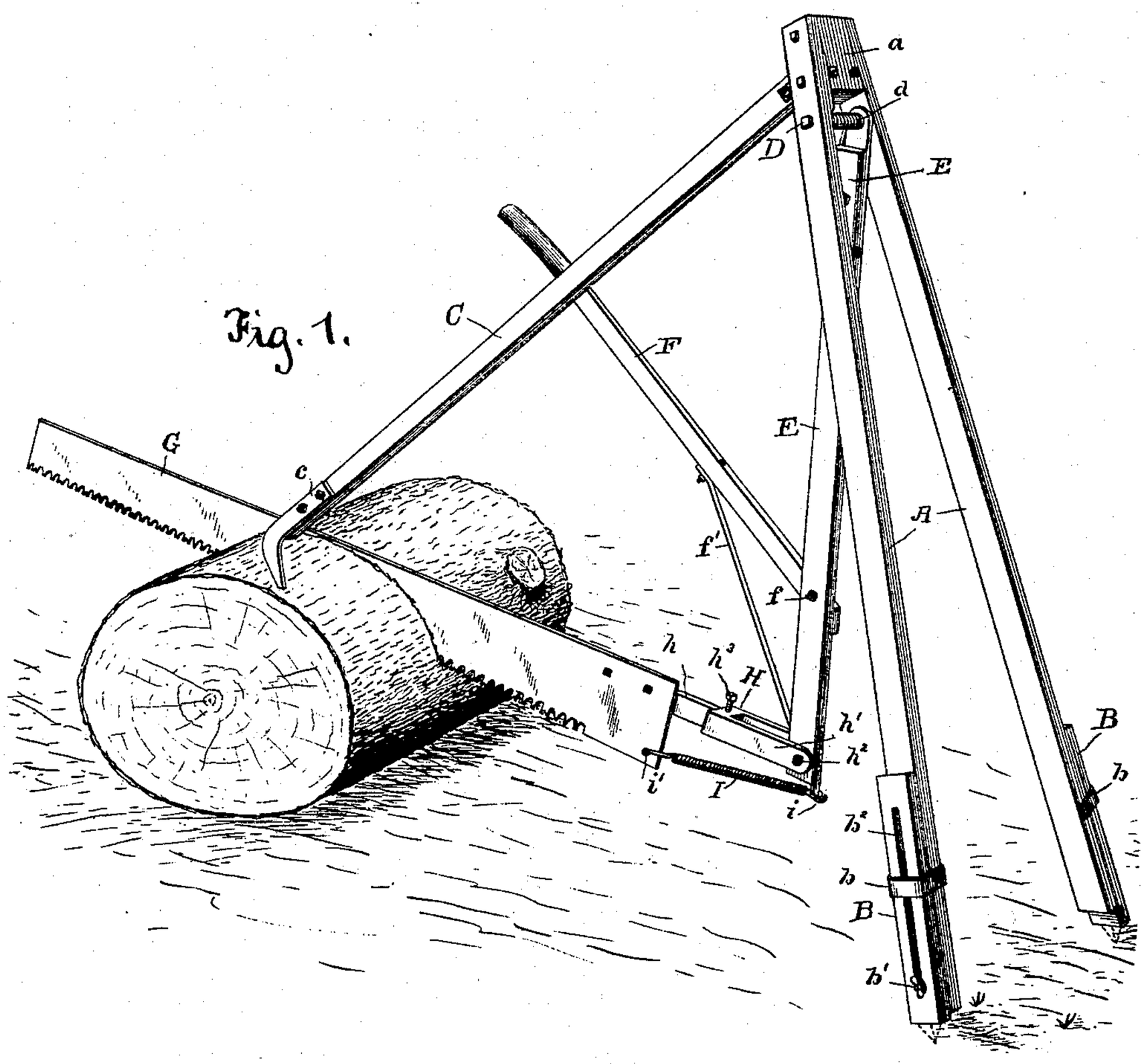
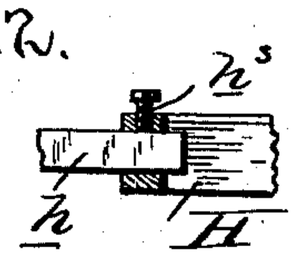


Fig. 2.



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UNITED STATES PATENT OFFICE.

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SAW.

SPECIFICATION forming part of Letters Patent No. 676,135, dated June 11, 1901.

Application filed March 23, 1901. Serial No. 52,541. (No model.)

To all whom it may concern:

Be it known that I, GEORGE R. JACKSON, a citizen of the United States, residing at Borden, in the county of Clark and State of Indiana, have invented certain new and useful Improvements in Saws; 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 the letters of reference marked thereon, which form a part of this specification.

This invention relates to an improved log-saw, and has for its object to improve the general construction of that particular type of saw disclosed in my prior patent, No. 659,303.

The preferable embodiment of the improvements is shown in the construction illustrated in the accompanying drawings, forming part hereof, and will be more fully apparent from the detailed description hereinafter and the appended claims.

In the drawings, Figure 1 is a perspective view showing the complete construction in operative position, and Fig. 2 is a detail sectional view of the adjustable connection between the saw and its supporting-beam.

Referring more specifically to the drawings, A A designate suitable standards or supports rigidly connected at their outer ends by a block *a* and provided at their lower ends with the adjustable pointed feet B, passing through guide-brackets *b* and secured in adjusted positions through the medium of the binding-screw *b'*, working in the slots b^2. Pivoted to the block *a* and adapted to extend forwardly therefrom is a brace-rod C, provided with a hook *c* at its extreme end, adapted to project into a log or other object to be sawed, substantially as shown.

Immediately below the connecting-block *a* and passing at its respective ends through the upper ends of the standards A is a pivot-bolt D, upon which is adapted to swing a depending hanger-bar E. Wound upon the bolt is a spiral spring *d*, abutting, respectively, against one of the beams A and the rear surface of the beam E in such a manner as to press upon the beam and normally tend to throw the same in a forward direction. Intermediate the ends of the beam E a suitable operating-handle F is rigidly secured at *f*, the same being braced by the diagonally-disposed rod *f'*.

G designates an elongated saw provided with teeth in any usual or preferred configuration adapted for the purpose for which the saw is used. The saw is connected to the swinging hanger-beam through the medium of a stem *h*, rigidly secured thereto, passing through an opening in the end of a bifurcated bracket H, the respective ends *h'* of which overlie the sides of the beam E and are pivoted thereto at h^2. The stem is locked in adjusted positions by a bolt h^3. That a downward tendency will at all times be imparted to the saw, I provide an elongated spring I, connected at its respective ends to the hook *i* at the extreme end of the swinging beam and at *i'* in an aperture near the lower inner edge of the saw. The tendency of the spring is to contract, and consequently the saw will at all times be drawn in a downward direction, this movement being permitted through the pivoted connection between the saw and the swinging beam.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A saw comprising a supporting-frame, a hanger-beam pivoted thereto, means for operating the beam, a saw, and an adjustable connection between the saw and beam comprising an angular stem rigidly connected to the saw, a bifurcated bracket, having an angular opening in its connected portion through which the stem is adapted to pass, and provided with elongated arms between which said stem is confined, and means for locking the stem in adjusted positions in the bracket, substantially as described.

2. A saw comprising a suitable support, a hanger-beam pivoted to the support, a saw-blade having a relatively wide rear end, a flexible connection between the upper portion of the rear end of the saw-blade and the hanger-beam, an extension on the hanger-beam extending below the flexible connection, and a retracting-spring connection between the lower portion of the rear end of the saw and the extension of the hanger-beam, substantially as described.

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

GEORGE R. JACKSON.

Witnesses:
THOMAS J. ROERK,
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