

(No Model.)

W. L. & A. C. BROWN.

SNAP HOOK.

No. 283,464.

Patented Aug. 21, 1883.

Fig. 1.

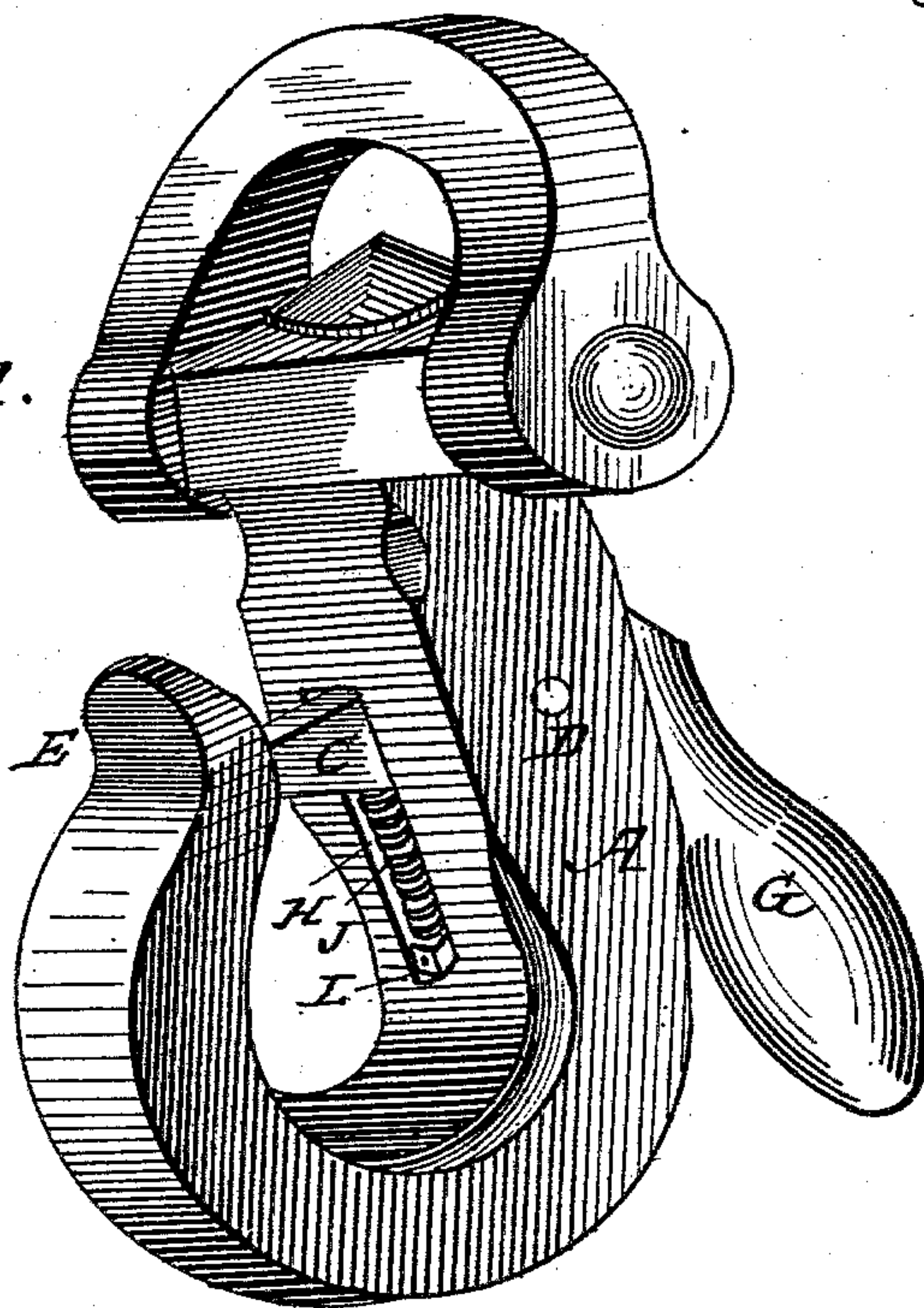


Fig. 2

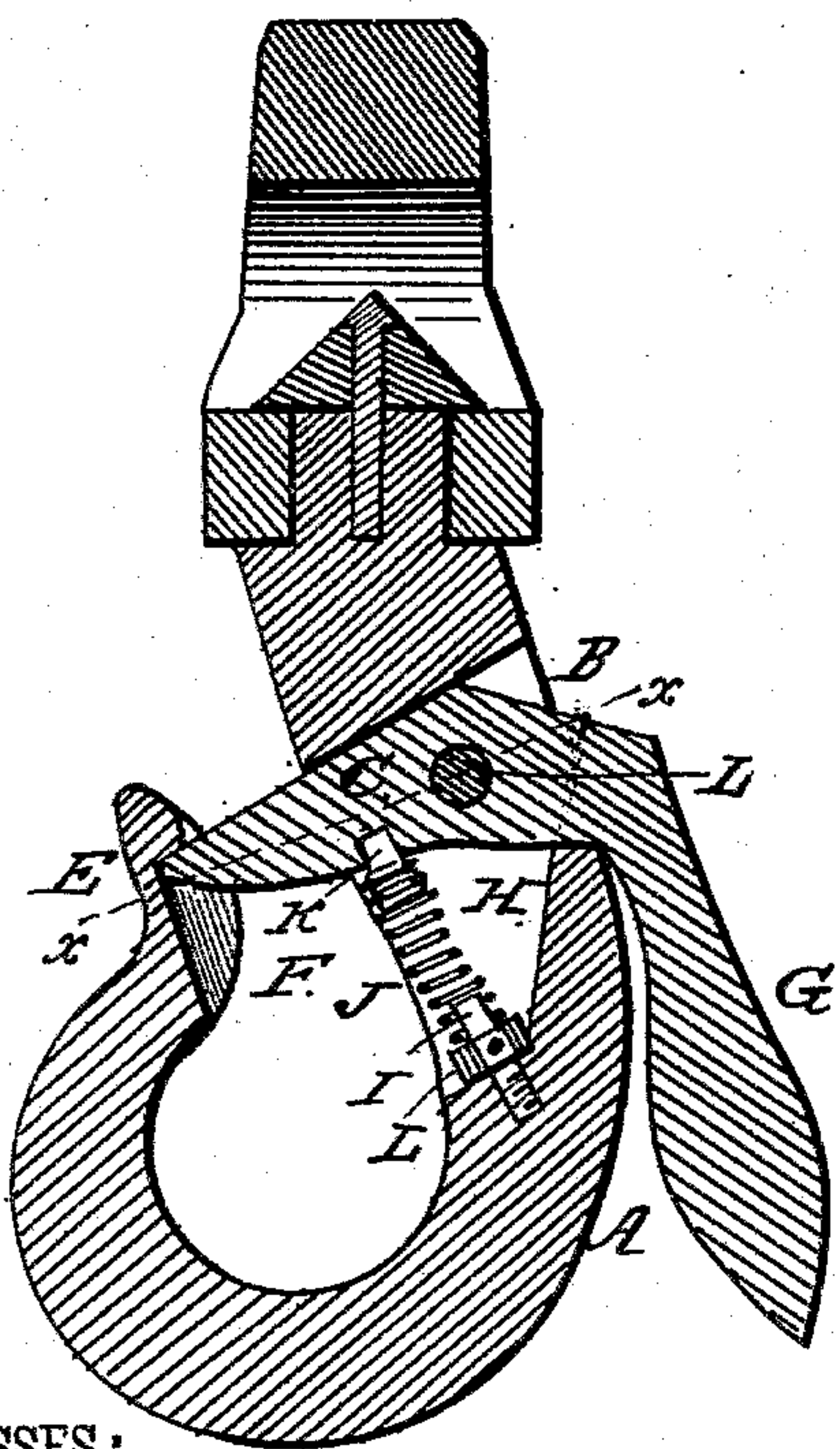
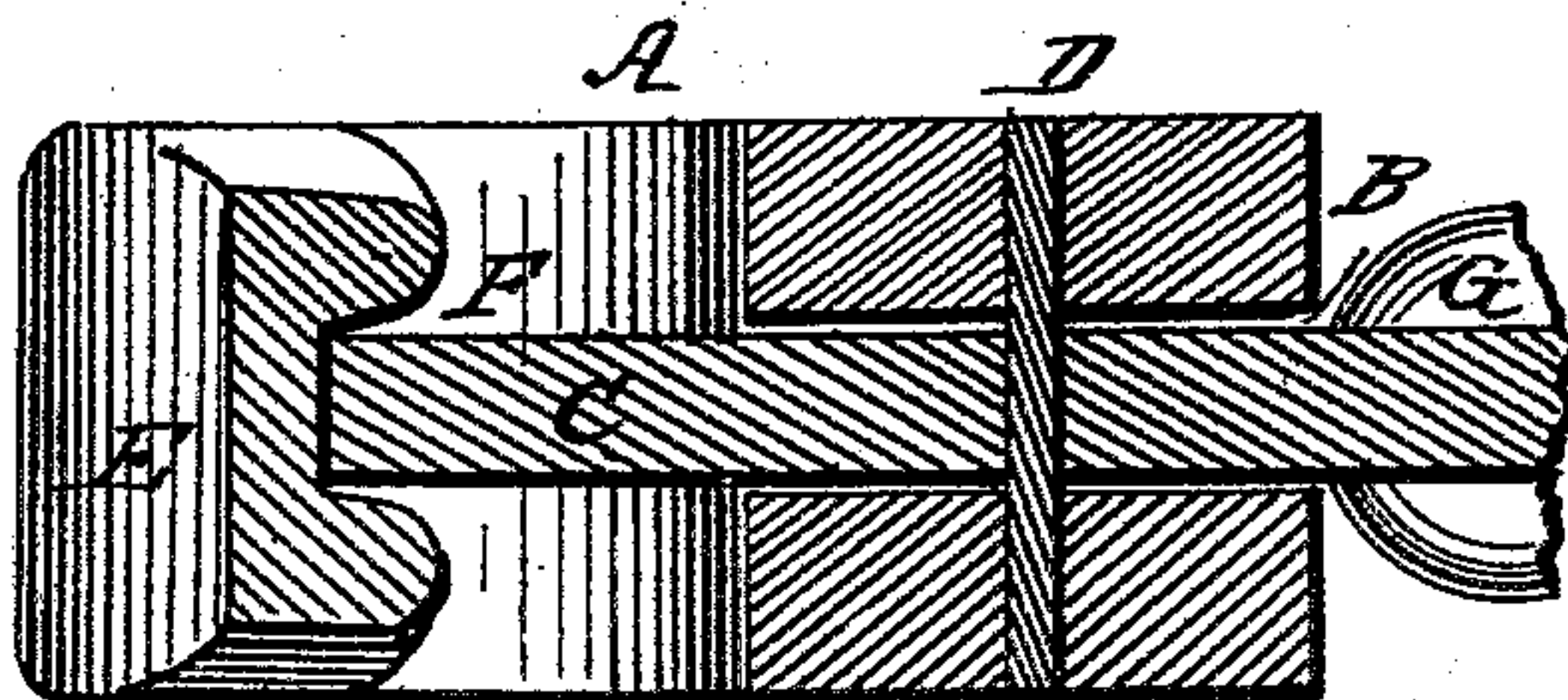


Fig. 3



WITNESSES:

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SNAP-HOOK.

SPECIFICATION forming part of Letters Patent No. 283,464, dated August 21, 1883.

Application filed July 9, 1883. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM L. BROWN and ALEXANDER C. BROWN, citizens of the United States, of Cherry Grove, in the county of Warren and State of Pennsylvania, have invented certain new and useful Improvements in Snap-Hooks; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of our improved snap-hook. Fig. 2 is a longitudinal sectional view of the same; and Fig. 3 is a cross-sectional view on line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts in all the figures.

Our invention has relation to snap-hooks; and it consists in the detailed construction and combination of parts of a hook of that class, as will be hereinafter more fully described and claimed.

In the accompanying drawings, A represents the body of the hook.

B indicates a slanting opening or slot passing through the body of the hook in the direction shown in Fig. 2 of the drawings. A latch, C, passes through the slot B, and is secured therein by a bolt or pivot, D. This latch C is of a sufficient length to extend across and close the space between the body of the hook and its curved end or lip E, the inner end of the latch fitting into a recess, F, on the inner side of the lip E, as shown in Fig. 3 of the drawings.

The latch C is provided at its outer end with a knob or handle, G, by which the latch may be conveniently operated.

H indicates a recess in the body of the hook, extending downward from the slot or opening B, an upwardly-projecting pin or stud, I, being inserted into the lower wall of said recess, as will be clearly seen by reference to Fig. 2 of the drawings.

J represents a spiral spring, one end of which fits over the pin I, the other end fitting over a similar pin or stud, K, on the lower edge of the latch C, the spring serving to hold

the latch in a closed position. The pin or stud K is screw-threaded, and is made of such a size that when the end of the spiral spring J is placed over the said pin the coils of the spring will fit into the grooves on the pin, so as to prevent the spring from slipping off of the pin. The pin or stud I has its lower end screw-threaded to fit into a screw-threaded socket in the lower wall of the recess H, and the ring L, which surrounds the middle portion of the pin I, is made square or octagonal, so that as the tension of the spring J becomes weakened through use the pin I can be raised by applying a key to the ring L, thereby increasing the tension of the spring. The flat upper surface of the ring L, against which the end of the spring presses, prevents the spring from sliding down the pin I as the latter is raised.

From the foregoing description, taken in connection with the accompanying drawings, the construction of our improved snap-hook will readily be understood without requiring extended explanation. It will be seen that our improved hook is simple in construction, exceedingly convenient to handle, and is not liable to get out of order.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

1. The combination of the hook A, having opening B and recess F, latch C, having handle G, pivot-pin D, and adjustable spiral spring J, adapted to hold the latch C in a closed position, substantially as and for the purpose shown and described.

2. The combination of the hook A, having opening B and recess F, latch C, having handle G, pivot-pin D, spiral spring J, and pin I L, adapted to be adjusted in its threaded recess, substantially as and for the purpose shown and described.

In testimony that we claim the foregoing as our own we have hereunto affixed our signatures in the presence of two witnesses.

WILLIAM LEANDER BROWN.

ALEXANDER C. BROWN.

Witnesses:

J. F. HAYS,

WALTER B. HOTTEL.