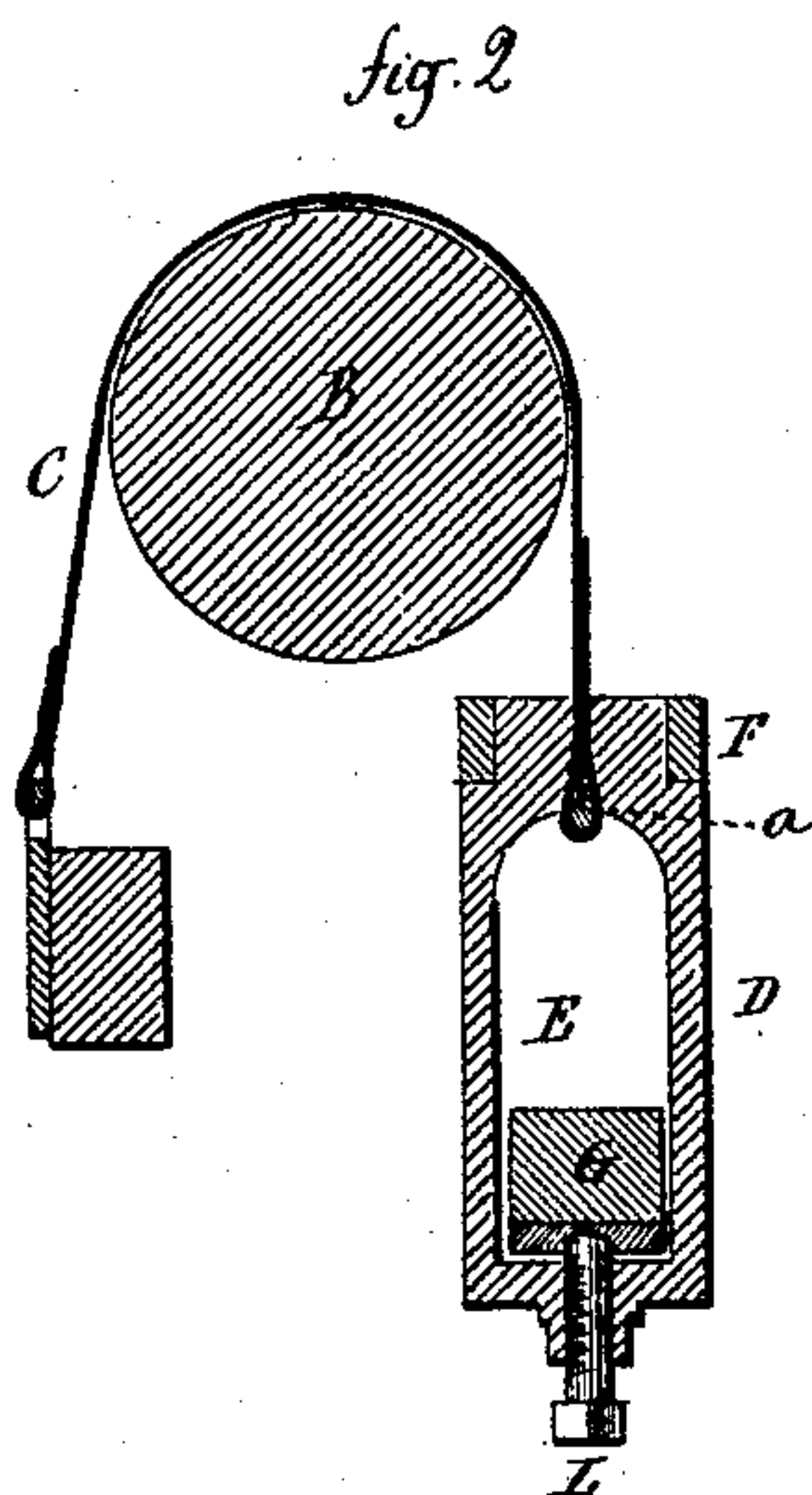
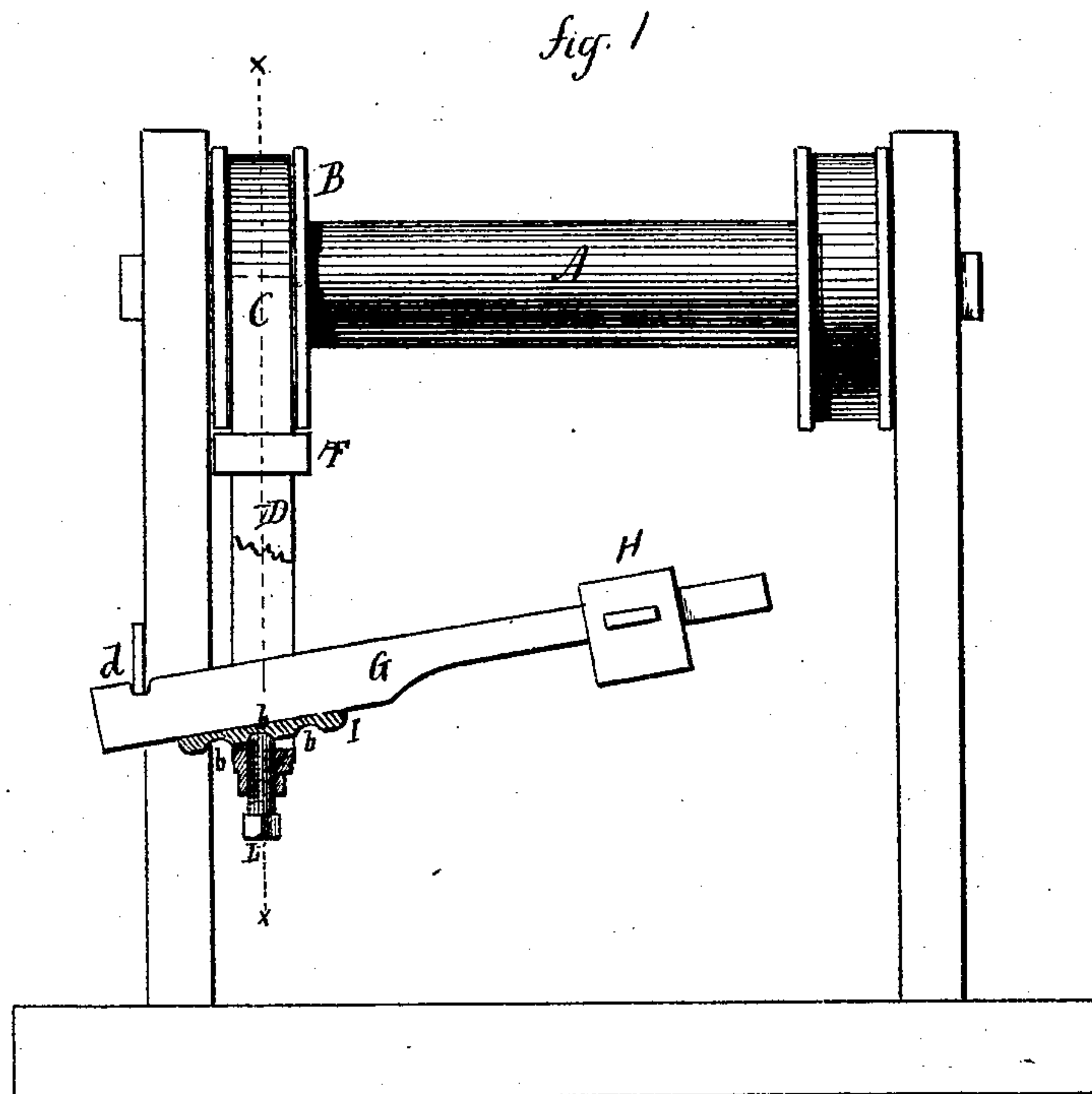


J. B. FULLER.

Let-off Mechanisms for Looms.

No. 147,121.

Patented Feb. 3, 1874.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

JEROME B. FULLER, OF NAUGATUCK, CONNECTICUT.

## IMPROVEMENT IN LET-OFF MECHANISMS FOR LOOMS.

Specification forming part of Letters Patent No. 147,121, dated February 3, 1874; application filed January 7, 1874.

*To all whom it may concern:*

Be it known that I, JEROME B. FULLER, of Naugatuck, in the county of New Haven and State of Connecticut, have invented a new Improvement in Looms; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a front view, showing the loop in partial section; and in Fig. 2, a transverse section on line *x x*.

This invention relates to an improvement in frictional device for the beam in looms—that is to say, in the method of applying the weight to the frictional strap which passes over a pulley on the beam; and it consists, first, in a metal loop for the lever, divided at its upper end, so as to be grasped and held upon the strap; second, in an adjustable bearing for the lever, formed by several seats upon the lever, and a projecting point within the loop, upon which either one of said seats may rest.

A is the beam, of the usual construction, upon one end of which is a pulley, B, over which passes the friction-strap C, in substantially the usual manner. To the lower end of the strap a loop, D, is attached, and this loop formed with an opening, E, through which the lever may pass. The upper end of the loop is divided, as seen in Fig. 2, and into this division the strap, doubled, is passed, and the loop closed upon the strap by a band or ring, F, around the upper end of the loop. Into the doubled end of the strap a key or wedge, *f*, is

placed, to prevent the loop from drawing off the strap. G is the lever, passing through the loop D, its upper edge bearing against a fulcrum, *d*, on the frame, and resting in the loop. An adjustable weight, H, is applied to the lever, in substantially the usual manner. This construction makes the attachment of the lever to the strap very simple, and also avoids the breaking of the lever, which frequently occurs. Upon the under side of the lever I fit a plate, I, with several seats, *b*, formed by an indentation in the said plate, and through the lower end of the loop I pass a screw, L, which extends up into the loop a short distance, so that either of the depressions of the plate may rest thereon, as seen in Fig. 1, and the leverage may be greater or less by placing a different seat upon the screw, thus leaving the lever without perforation or weakening in any manner, but, on the contrary, strengthened by the plate I.

I claim as my invention—

1. In combination with the lever G and strap C over the pulley B, the loop D, its upper end divided to receive the strap, and the collar F to secure the loop upon the strap, substantially as specified.

2. In combination with the strap C over the pulley B, the loop D, and lever G, the plate I upon the under side of the lever, formed with several seats, *b*, the loop provided with a single point, upon which either of said seats may be placed, substantially as specified.

JEROME B. FULLER.

Witnesses:

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