

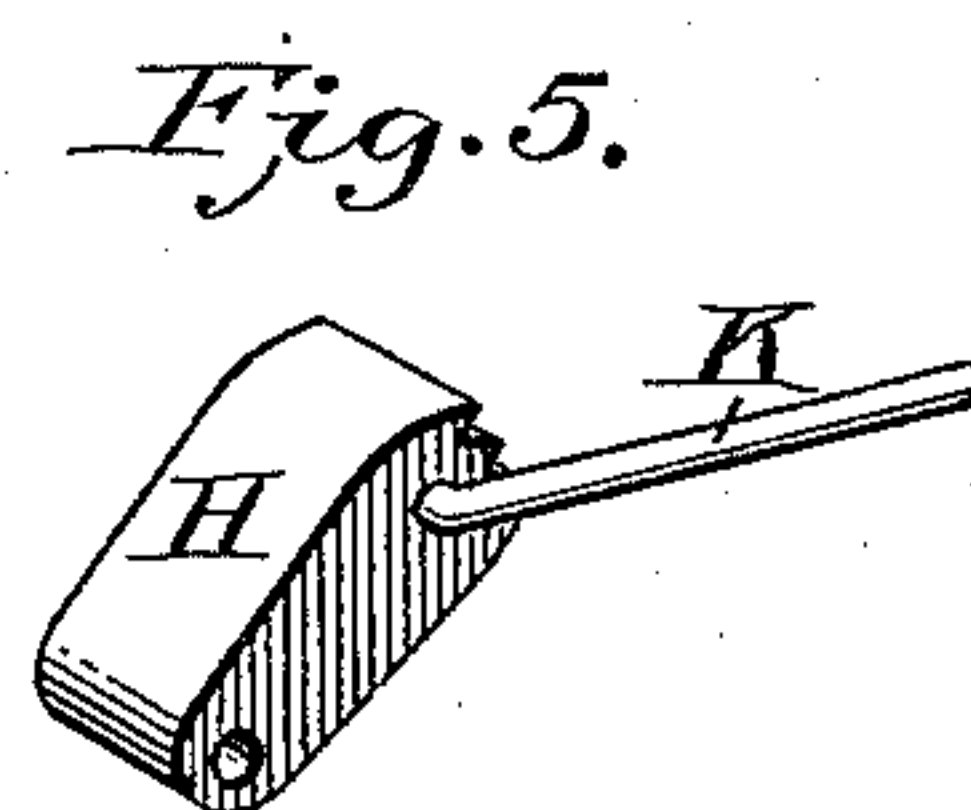
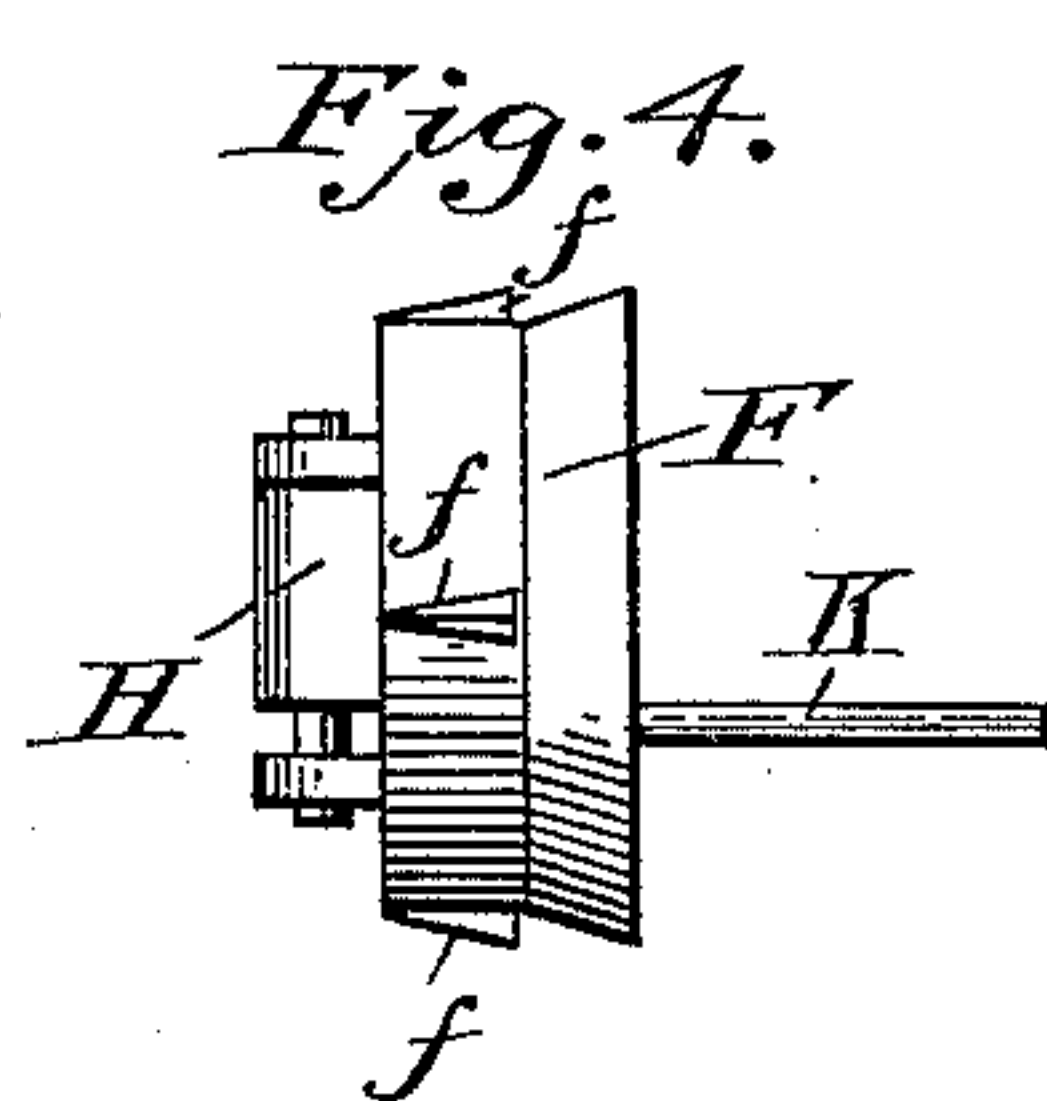
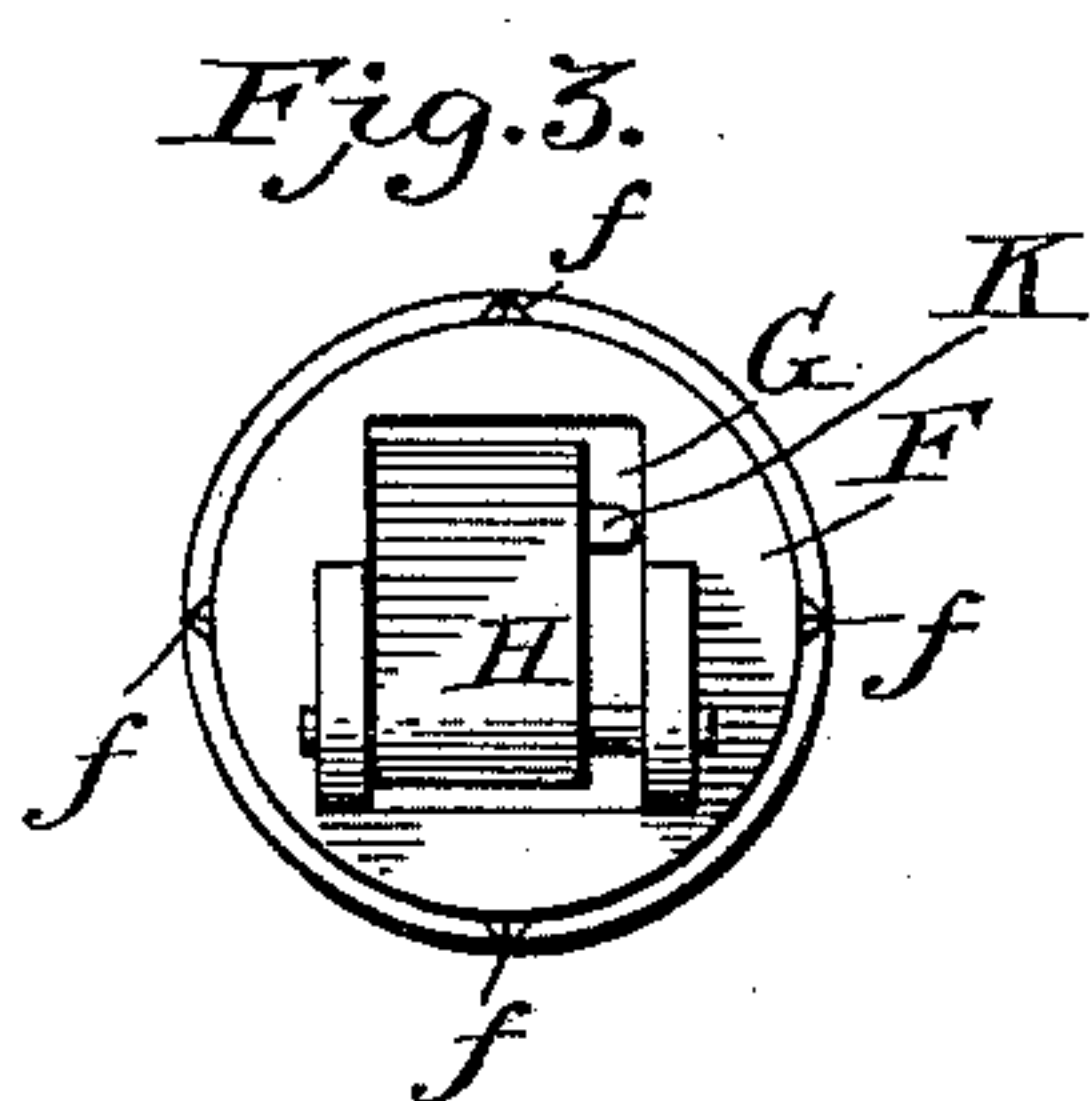
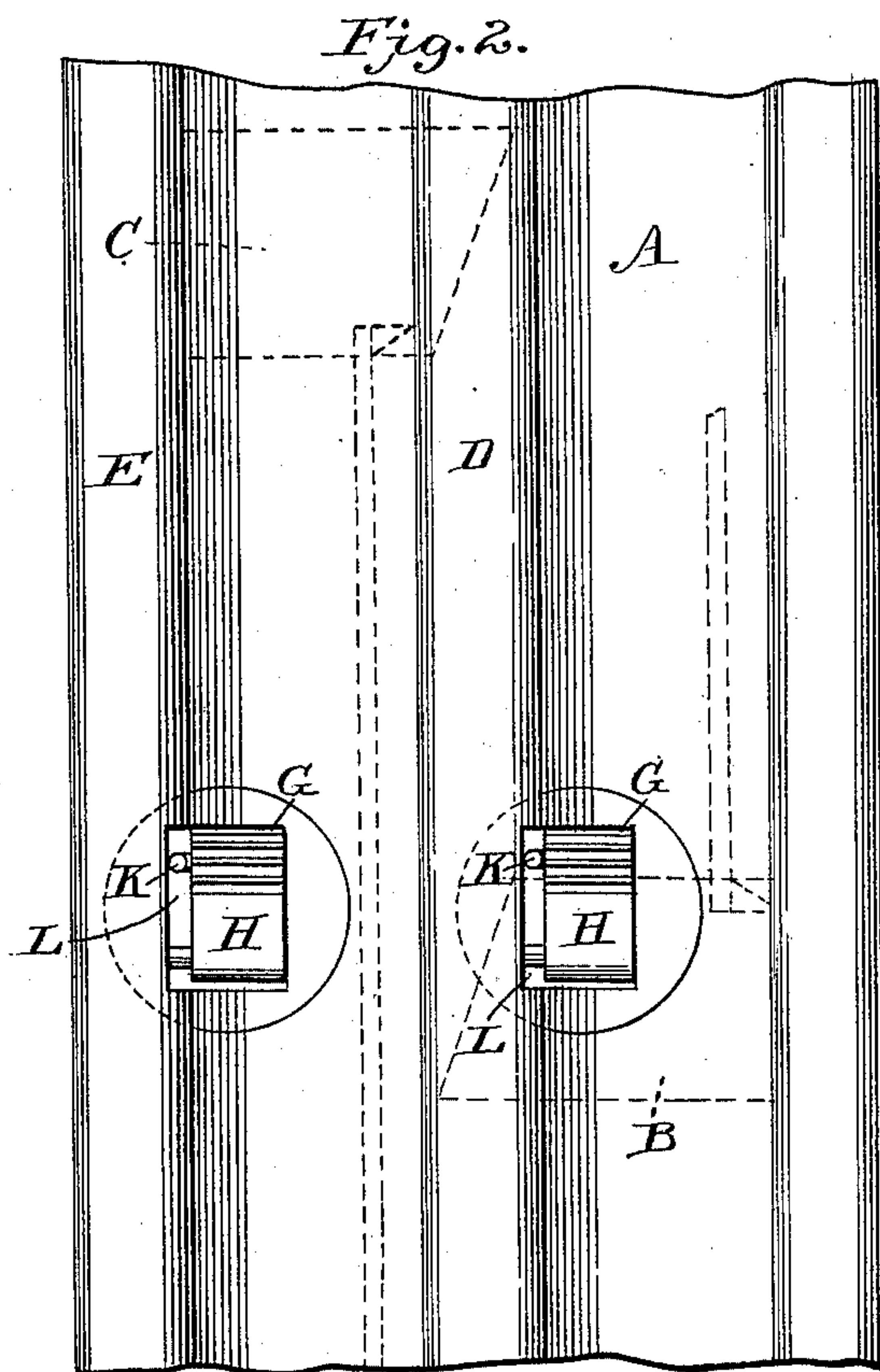
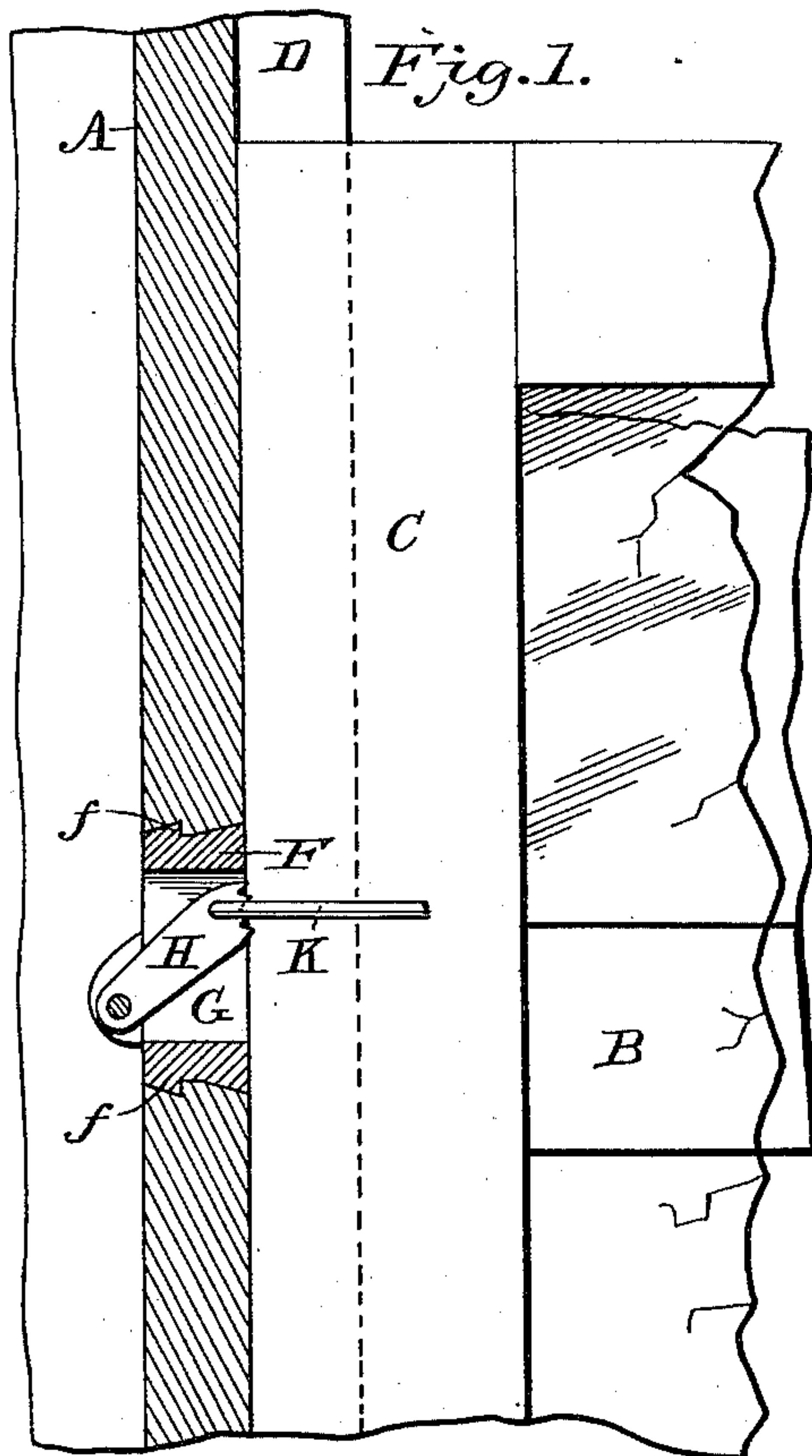
No. 610,805.

Patented Sept. 13, 1898.

R. H. FENN.
SASH HOLDER.

(Application filed Dec. 30, 1897.)

(No Model.)



Witnesses.
Edwin J. McKee
Phillips Masi.

Inventor.
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UNITED STATES PATENT OFFICE.

RUSSELL H. FENN, OF LEAVENWORTH, KANSAS.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 610,805, dated September 13, 1898.

Application filed December 30, 1897. Serial No. 664,499. (No model.)

To all whom it may concern:

Be it known that I, RUSSELL H. FENN, a citizen of the United States, and a resident of Leavenworth, in the county of Leavenworth and State of Kansas, have invented certain new and useful Improvements in Sash-Holders; 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 letters of reference marked thereon, which form a part of this specification.

This invention has relation to sash-holders; and it is designed to provide a sash-holder of simple and inexpensive character and construction capable of being readily and easily applied and which can be used upon both upper and lower sashes. The invention is also designed to provide a device of this character which will operate efficiently no matter how loose-fitting the sash may be in its casing.

With these objects in view the invention consists in the novel construction and combination of parts, all as hereinafter described, and pointed out in the appended claim.

Figure 1 is a sectional elevation of a portion of a window frame and sash, showing my invention applied thereto, the lower sash being shown in raised position and both sashes being broken away. Fig. 2 is a face view of a portion of one side of the window-frame, showing the holders in position, with the position of the sashes indicated in dotted lines. Figs. 3 and 4 are respectively end and side views of the plug and the dog pivoted therein. Fig. 5 is a perspective view of the dog removed.

Referring to the accompanying drawings, the letter A designates a window frame or casing; B and C, respectively, the upper and lower sashes; D, the parting strip or bead, and E the inner guide strip or bead.

In the drawings I have shown both sashes as provided with one of my improved supporting devices; but inasmuch as both devices are exact duplicates, both in construction and arrangement, position excepted, but one will be specifically described.

F designates a cylindrical plug formed with an enlarged tapered outer end portion having peripheral fins or lugs *f*. This plug is

driven into a hole bored in the face of the jamb at one side, which forms the guideway for the sash and is partly underneath the bead D or E. The lugs or fins *f* are designed to embed themselves in the wood as the plug is driven to its seat, and thus secure it firmly in place, while the tapered outer end portion of the plug not only assists in holding it, but it also prevents it from being driven in beyond the face of the jamb. Said plug is formed with an opening extending axially therethrough and with a lug upon each side of said opening and projecting from the inner end of the plug. Pivoted to and between said lugs and extending through the said opening is a toothed gravity-dog H, whose outer toothed portion is designed to engage the edge face of the vertical rail of the sash. Connected to this dog is a bent lever K, which extends out through the outer end of the plug in a plane parallel with the sash and between the sash and the bead-strip D or E, said strip being slightly cut away at its inner edge, as indicated at L, to permit the passage and operation of the said lever.

The operation of the device will be readily understood. The weight of the sash, at whatever point it may be raised to, causes the toothed end of the dog to firmly engage therewith and support it in that position until the dog is released by the operation of the lever K.

I am aware that it is not new to provide a sash-holder consisting of a pivoted toothed dog adapted to engage and support the sash, together with a lever by means of which such dog may be released from its engagement, and I do not claim the same broadly. An objection which is found in all devices of this particular kind with which I am familiar is that the lever which releases the dog is extended out through the window-bead. Consequently if one of the devices is applied to an upper sash the lower sash cannot be raised, for the reason that the check-rail P thereof will engage the said lever in such a manner as to prevent its further movement. This objection may be more readily understood by reference to Fig. 1 of the drawings of the patent to W. H. Hunter, No. 421,077, dated February 11, 1890. The present invention avoids this objection by extending the said lever out between the sash and the bead in the manner

shown and described, so that when applied to an upper sash said lever does not interfere with the movement of the lower sash.

Another objection which this invention is
5 designed to overcome is that due to the fact that the dog has been limited in its downward and outward movement by the construction and arrangement of the device in such a manner that if a sash happens to be loose-fitting
10 beyond a certain extent the dog will not engage therewith sufficiently to form a support. It will be readily seen that in the present device the dog is not so limited and that it will effectively engage with the sash no matter how
15 loose-fitting it may be.

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

The herein-described sash-holder, compris-

ing a plug adapted to be seated in a window- 20 casing, in the manner substantially as described, and having an inner cylindric portion formed with fins, and an outer tapering portion, said plug having also an opening extend- 25 ing axially therethrough, and a lug at its inner end upon each side of the said opening, together with a toothed gravity-dog pivoted to said lugs and extending through the said opening and beyond the outer end of the plug, and a lever connected to said dog, substan- 30 tially as specified.

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

RUSSELL H. FENN.

Witnesses:

C. S. HARTOUGH,
O. N. HALSTED.