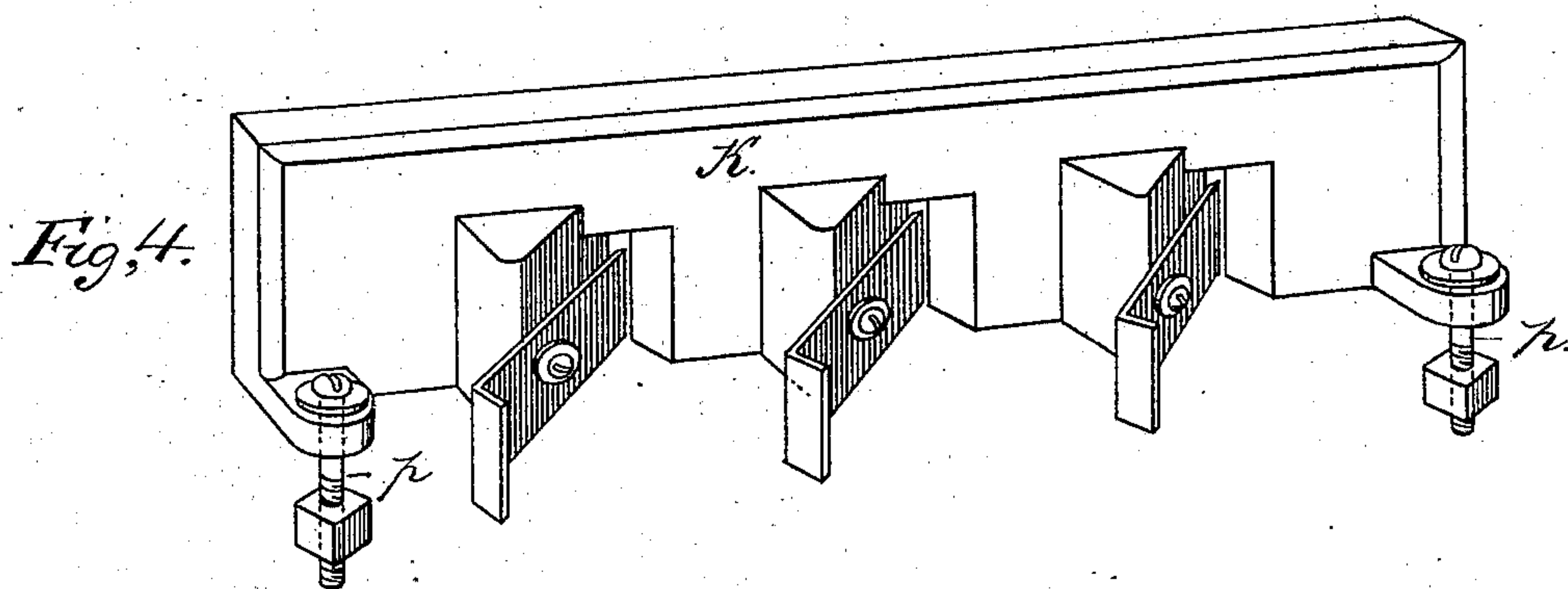
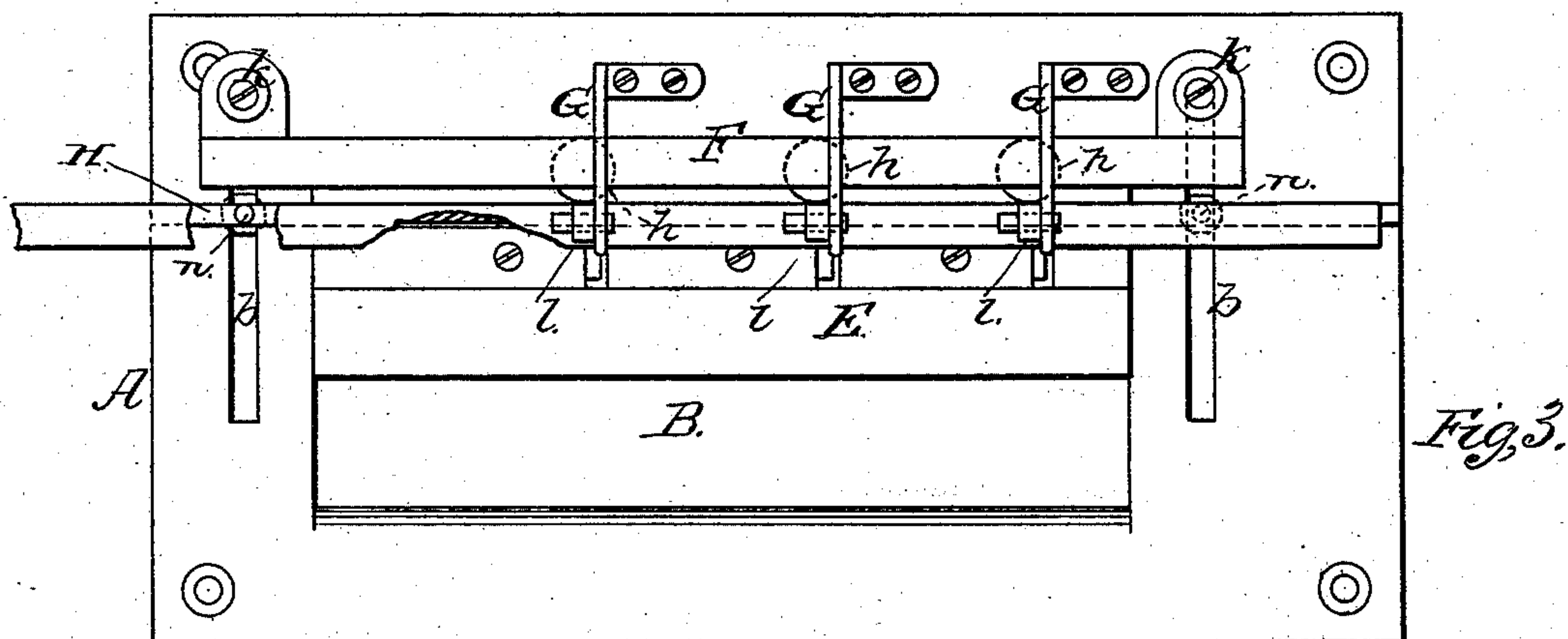
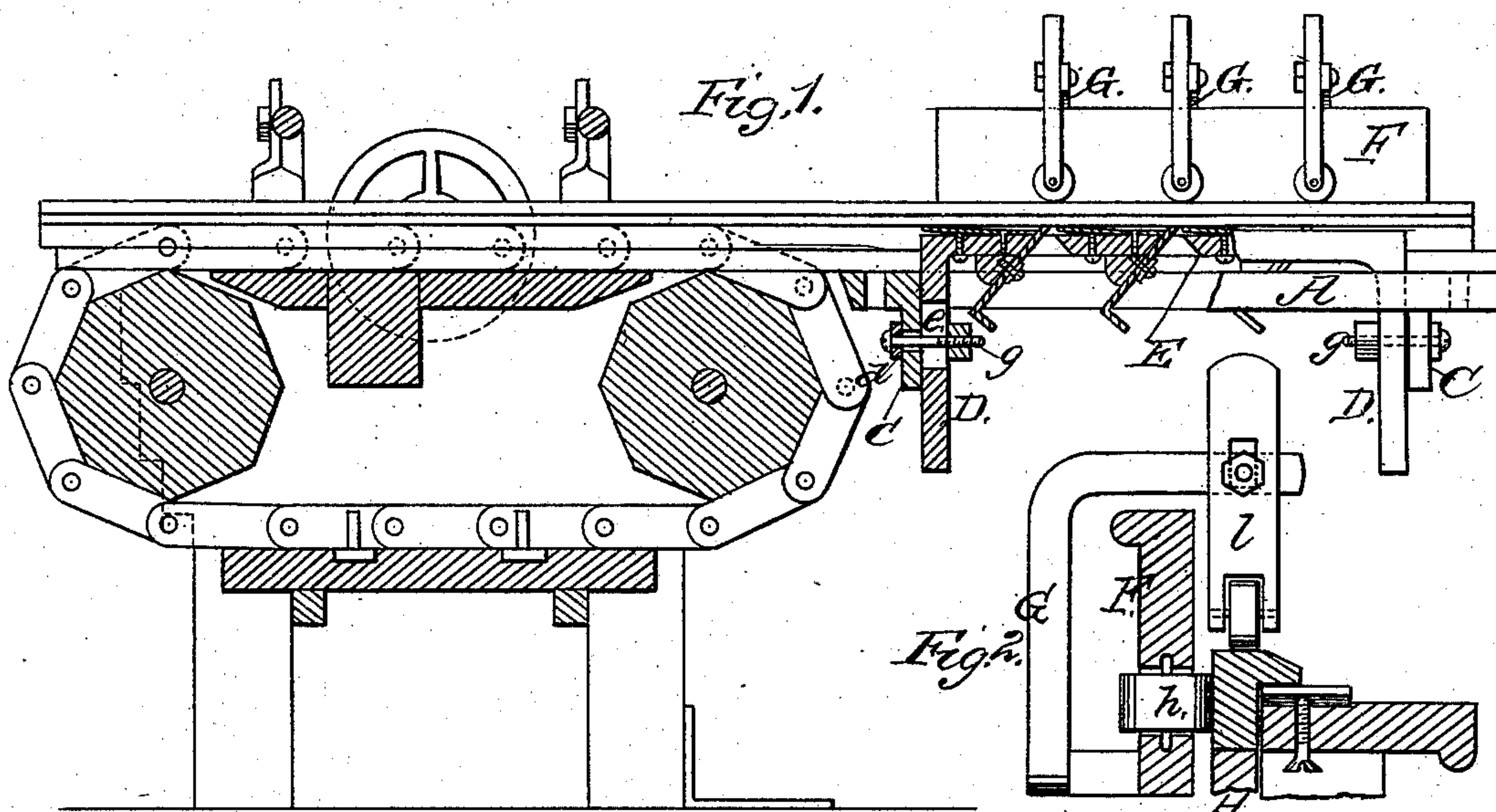


J. C. BRANDON.
Machine for Dressing Moldings.

No. 224,867.

Patented Feb. 24, 1880.



WITNESSES

Villette Anderson.
F. J. Measi

INVENTOR

John C. Brandon
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UNITED STATES PATENT OFFICE.

JOHN C. BRANDON, OF DETROIT, MICHIGAN.

MACHINE FOR DRESSING MOLDINGS.

SPECIFICATION forming part of Letters Patent No. 224,867, dated February 24, 1880.

Application filed January 6, 1880.

To all whom it may concern:

Be it known that I, JOHN C. BRANDON, of Detroit, in the county of Wayne and State of Michigan, have invented a new and valuable
5 Improvement in Machines for Dressing Moldings; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed draw-
10 ings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal vertical section of my im-
15 proved machine for dressing moldings. Fig. 2 is a cross-sectional view of the bed and planer-stock. Fig. 3 is a plan view of the same, and Fig. 4 is a modification.

This invention has relation to certain im-
20 provements upon a machine for dressing moldings for which Letters Patent No. 155,853, dated October 13, 1874, were granted to me; and it consists in the construction and novel arrangement of the slotted bed, the adjusta-
25 ble bar under the molding, the adjustable rabbet-planer, and the bearings for holding the work, all as hereinafter shown and described.

In the accompanying drawings, the letter A designates the bed, which is slotted trans-
30 versely, as shown at *b b*, and is provided with a large opening, B, between these slots. Under the bed, at the ends of this opening, are strong cleats or cheek-bearings C, which are also transversely slotted, as indicated at *d*.

35 E represents the rabbet-planer, which is designed to be of suitable length to fit neatly lengthwise between the ends of the opening B, the stock being not so wide as this opening, however, so that there is room for lat-
40 eral adjustment. The ends of this stock are provided with arms or bearings D, which are vertically slotted at *e*, and extend downward, being each in contact with a cheek-bearing, C, at the end of the opening. In this posi-
45 tion the slot *e* of the planer-stock extends at right angles across the slot *d* of the cheek-bearing, and a clamp-screw, *g*, passing through said slots, serves to fix the adjustment of the planer-stock, which may be varied laterally

or vertically to suit the requirements of the 50 work.

The construction of the plane-irons and bearing-plates may be similar to that set forth in the specification of my former Letters Patent, herein referred to, and one or several bits 55 may be employed in the plane-stock, according to the character of the dress required.

F represents the side bearing-frame, having the rollers or bearings *h*, and being provided with clamp-screws *k*, which pass through 60 the slots *b* of the bed and serve for securing the adjustment of the bearing-frame. Arms G, attached to the bed, extend over the same, and are connected to slotted bearings *l*, which are adjustable, and secured, by clamp-screws 65 or other ordinary fastenings, to said arms, which are designed to have a slight spring action, so that the bearings *l*, which have, preferably, rollers, will press on the work and hold it down after a shaving has been re- 70 moved. These bearings are, therefore, located over and a little in rear of the points of the bits.

Under these bearings the molding passes, resting upon the horizontal and longitudinal 75 guide-bar H, which, when a rabbeted molding is to be dressed, is adjusted toward the side bearing-frame, F, the adjustment being effected by means of the transverse slots *b* in the bed and clamps *n*, passing through the 80 same to said guide-bar, as indicated in the drawings. The molding passes over the planer, which works in the rabbet, dressing its flange as neatly as desired.

The vertical and lateral adjustments of the 85 rabbet-planer may be varied to suit moldings of different shapes and sizes, as hereinbefore indicated.

For side planing the planer-stock K is employed, this stock being connected to the bed 90 by clamping-bolts *p*, passing through the transverse slots *b*, and in that manner rendered adjustable.

When the side planer is to be used, the rabbet-planer E is lowered and a piece of 95 board is dropped in the opening at its side in the bed, so as to run the shavings over the side of the machine.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

5 The combination, with the vertically-adjustable rabbet-planer E and the laterally-adjustable guide-bar H, of the side bearing-frame, F, the arms G, extending over the same, and the adjustable bearings I, connected to said arms, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN CLARK BRANDON.

Witnesses:

S. D. CRAIG,
WILLIAM CLOSE.