

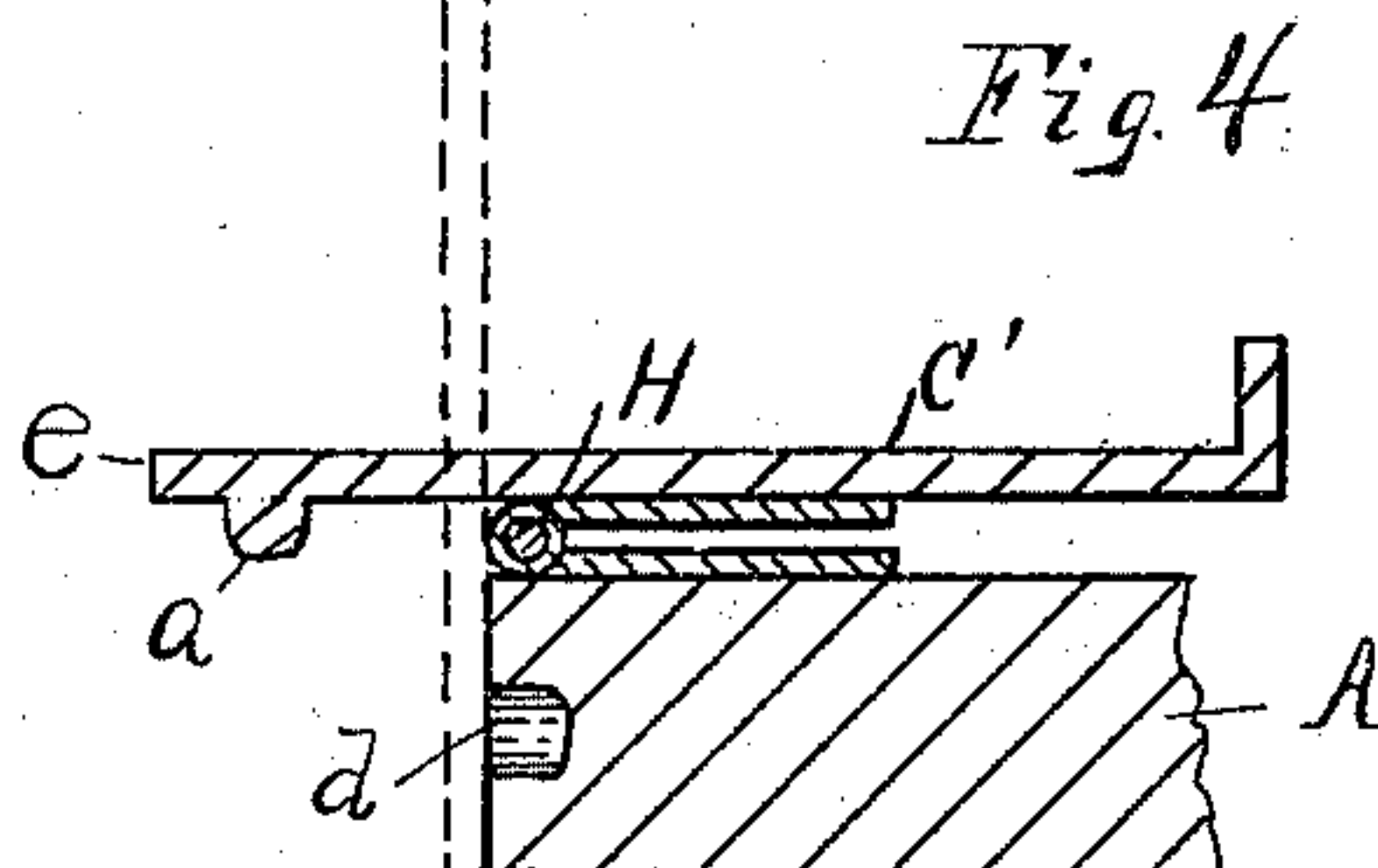
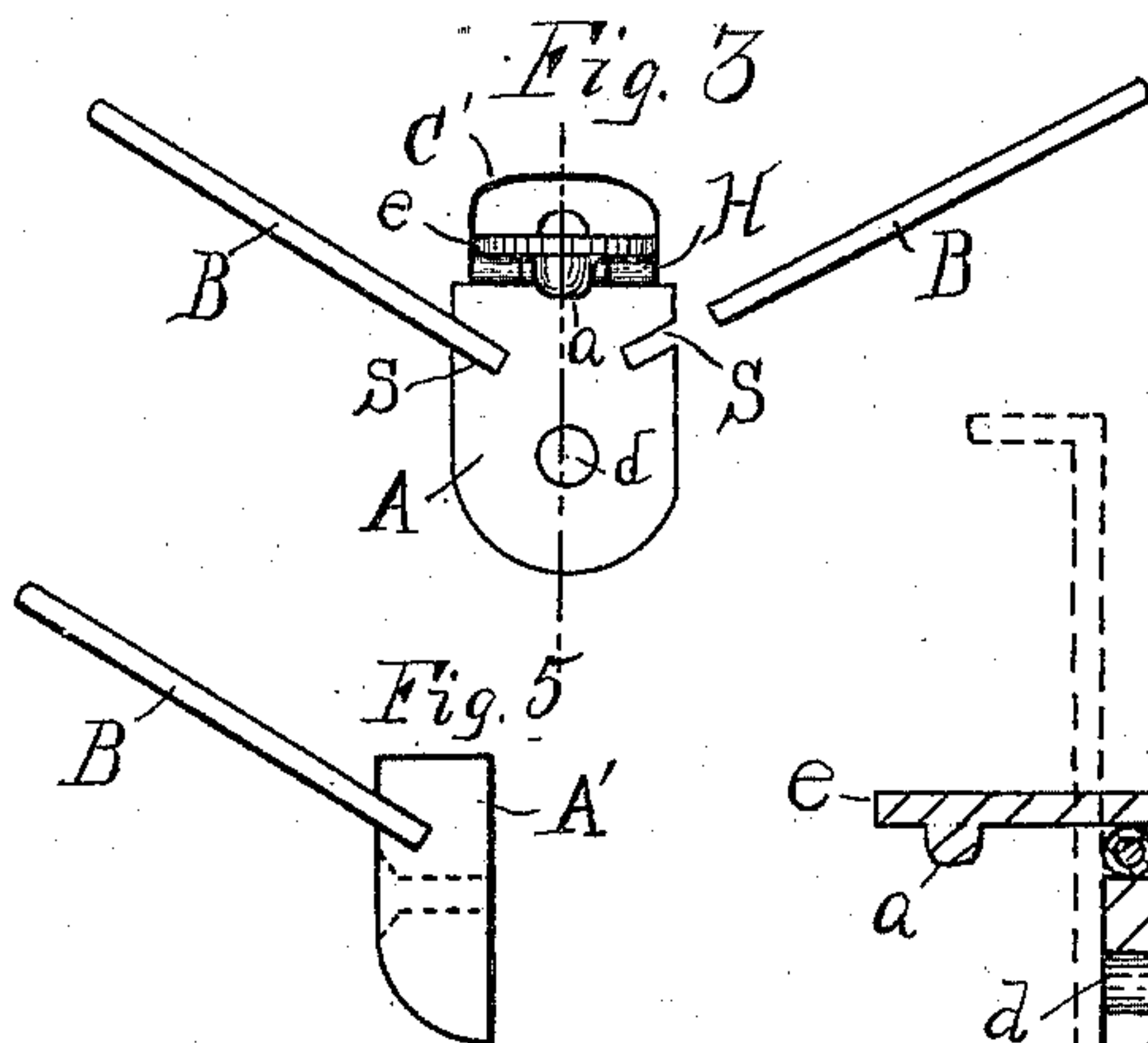
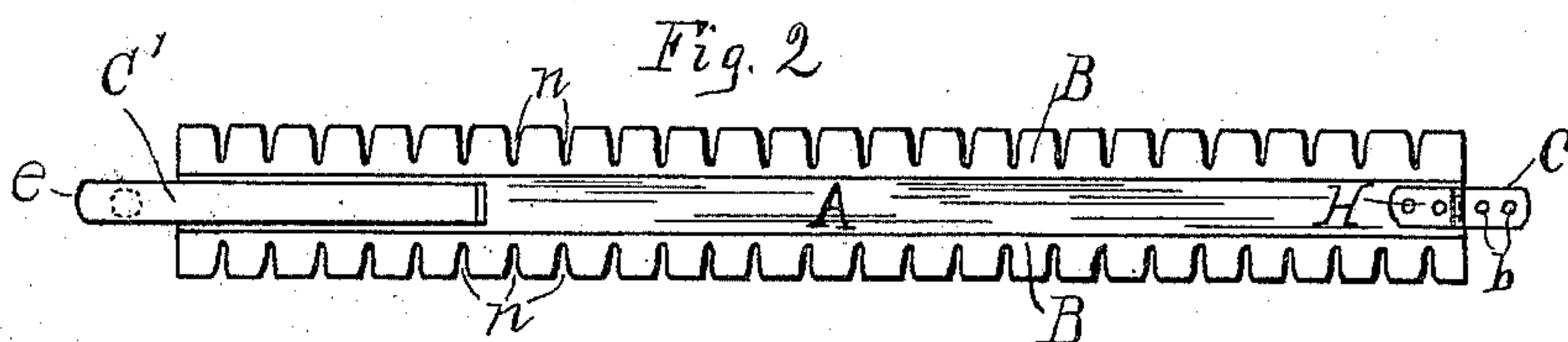
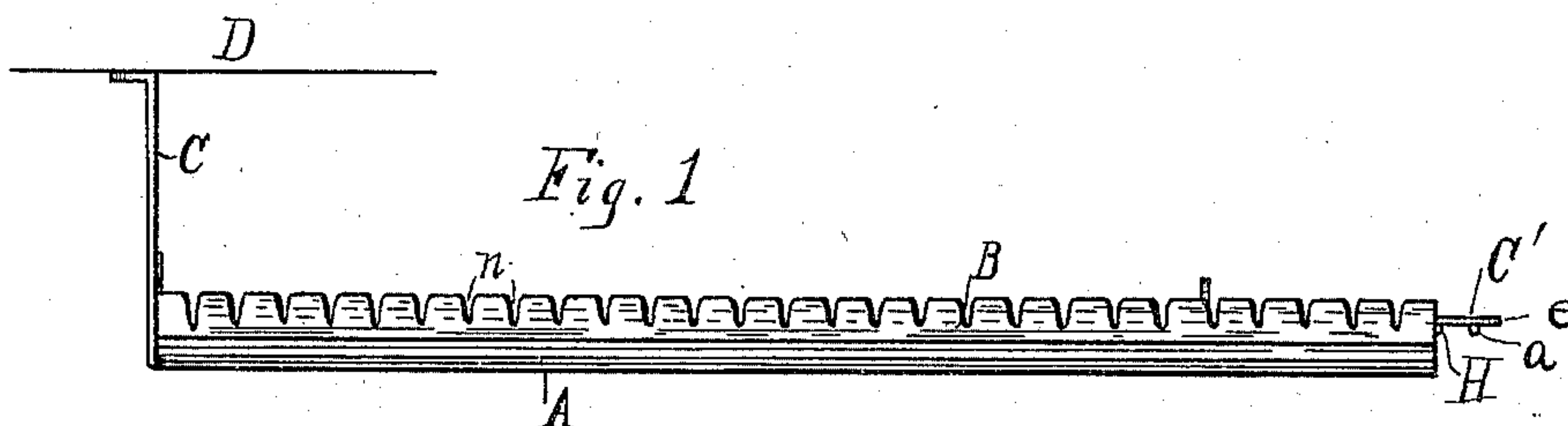
(No Model.)

J. A. McPHERSON.

WHIP RACK.

No. 335,765.

Patented Feb. 9, 1886.



WITNESSES

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UNITED STATES PATENT OFFICE.

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WHIP-RACK.

SPECIFICATION forming part of Letters Patent No. 335,765, dated February 9, 1886.

Application filed September 29, 1885. Serial No. 178,586. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. McPHERSON, a resident of Brunswick, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Whip-Racks; and I do hereby declare that the following is a full, clear, and exact description of the invention, that 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.

Similar letters refer to similar parts in the several figures therein.

My invention relates to improvements in whip-racks.

Figure 1 of the drawings is a side elevation of my improved whip-rack, showing the hanger at one end in position for use and at the other folded down for transportation. Fig. 2 is a top plan view of same. Fig. 3 is an end elevation showing the hanger folded down and one of the side wings in position to be inserted in its slot. Fig. 4 is a vertical section on one end, taken at broken line *xy*, though on a slightly different scale. Fig. 5 is an end elevation of a modified form, to be attached to a side wall.

A is a bar or slat, which may be of any desired length, and is provided on one or both sides with a slot, S, extending longitudinally of the bar, and adapted to secure one edge of the wings B and hold the same firmly in position. The wings are provided with a series of notches, N, adapted to support the small end of a whip in the usual well-known manner when inserted therein. The wings may be formed of thin plates of wood or sheet metal or other thin material. They may be of one continuous piece or of any desired number of pieces, as one for each notch. I am thus able to form the main supporting-bar of one integral piece of wood, and by increasing the depth of the bar to correspondingly increase its length without weakening its sustaining-power or greatly increasing its cost.

As the bar is formed of one piece, it can be cheaply fashioned in some ornamental form.

By constructing the bar in a form similar to that shown in Fig. 5, slotted on one side only, it can be easily secured to a side wall by

screws passing through suitable apertures, such as shown by dotted lines in Fig. 5.

I prefer to provide the whip-supporting wings on both sides and suspend the rack, as from the ceiling of a room, by hangers C C', which both occupy a nearly vertical position, as shown by C in Fig. 1, D representing the ceiling. The hangers are secured to the bar by a hinge, H, which permits of folding down the hangers flat upon the bar, as shown by C', in which position they can be packed much more closely and securely together for transportation. I am thus able to attach the hangers to the bar at the factory before shipment, thus insuring their proper attachment and relieving the buyer of a task which it is frequently inconvenient for him to perform. The hangers are so hinged as to present a projecting end, *e*, which is provided with a spur, *a*. When the hangers are opened up, as shown at C in Fig. 1, for attachment to the ceiling, the end *e* closes down against the end of the bar and forces the spur *a* into the cavity *d*, provided in the ends of the bar, and rigidly secures the rack in the proper position for holding the whips, and materially assists the hinge in resisting the tendency of the bar to rotate or twist when there are more whips on one side of the bar than on the other.

The spur *a* may project from the end of the bar, the cavity *d* in that case being in the projecting end *e* of the hanger.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a whip-rack, a side-notched plate, board, or strip, B, combined detachably with the bar A, having an open longitudinal slot or groove extending inwardly and downwardly on an incline, said bar being provided with means of support, substantially as shown and described.

2. The combination, with a whip-rack, substantially as described, of a hanger having the spur *a* and the projecting end *e*, as and for the purpose specified.

In testimony whereof I have hereunto set my hand this 28th day of September, 1885.

JAMES A. McPHERSON.

Witnesses:

GEO. A. MOSHER,

W. H. HOLLISTER, Jr.