

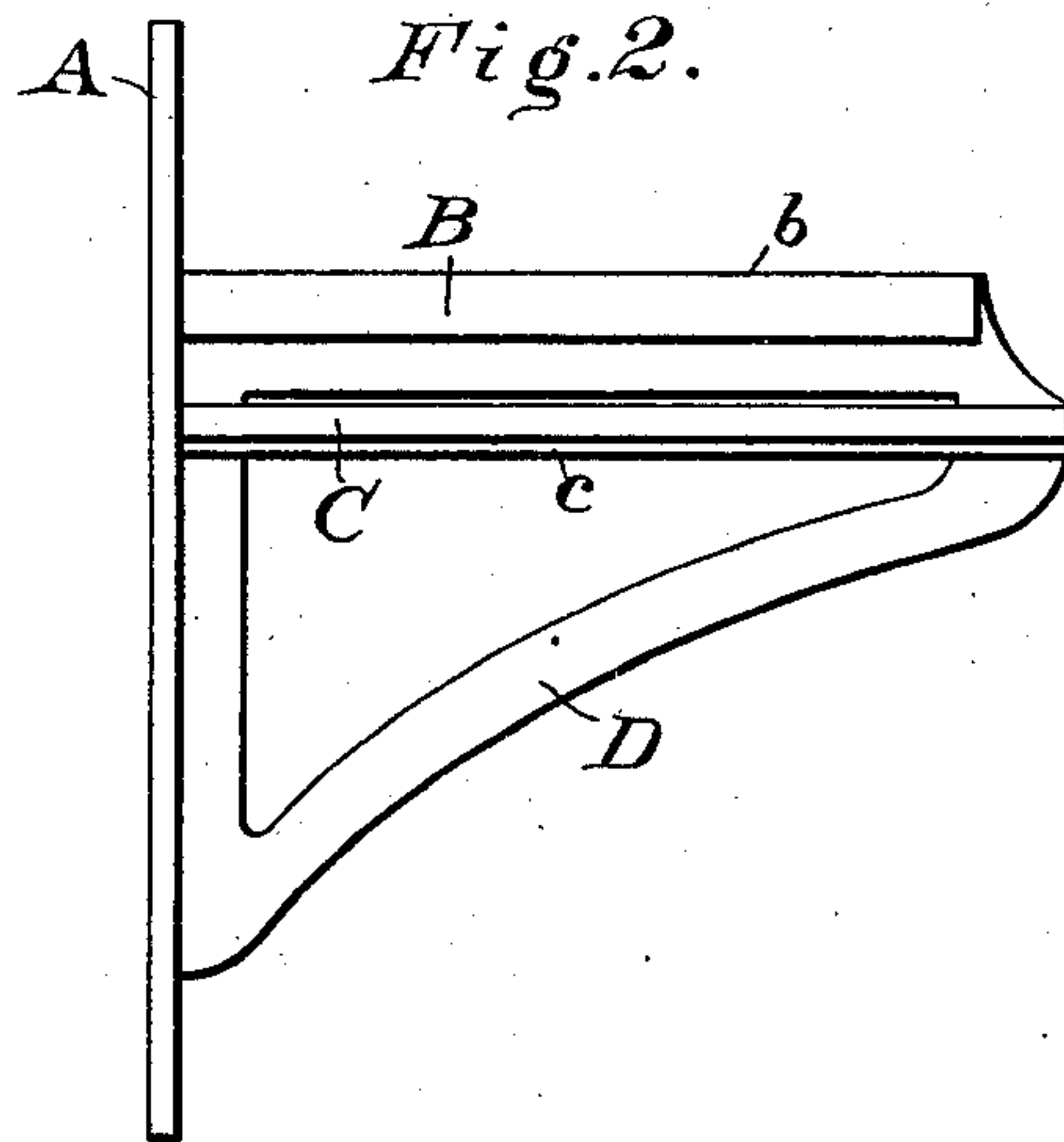
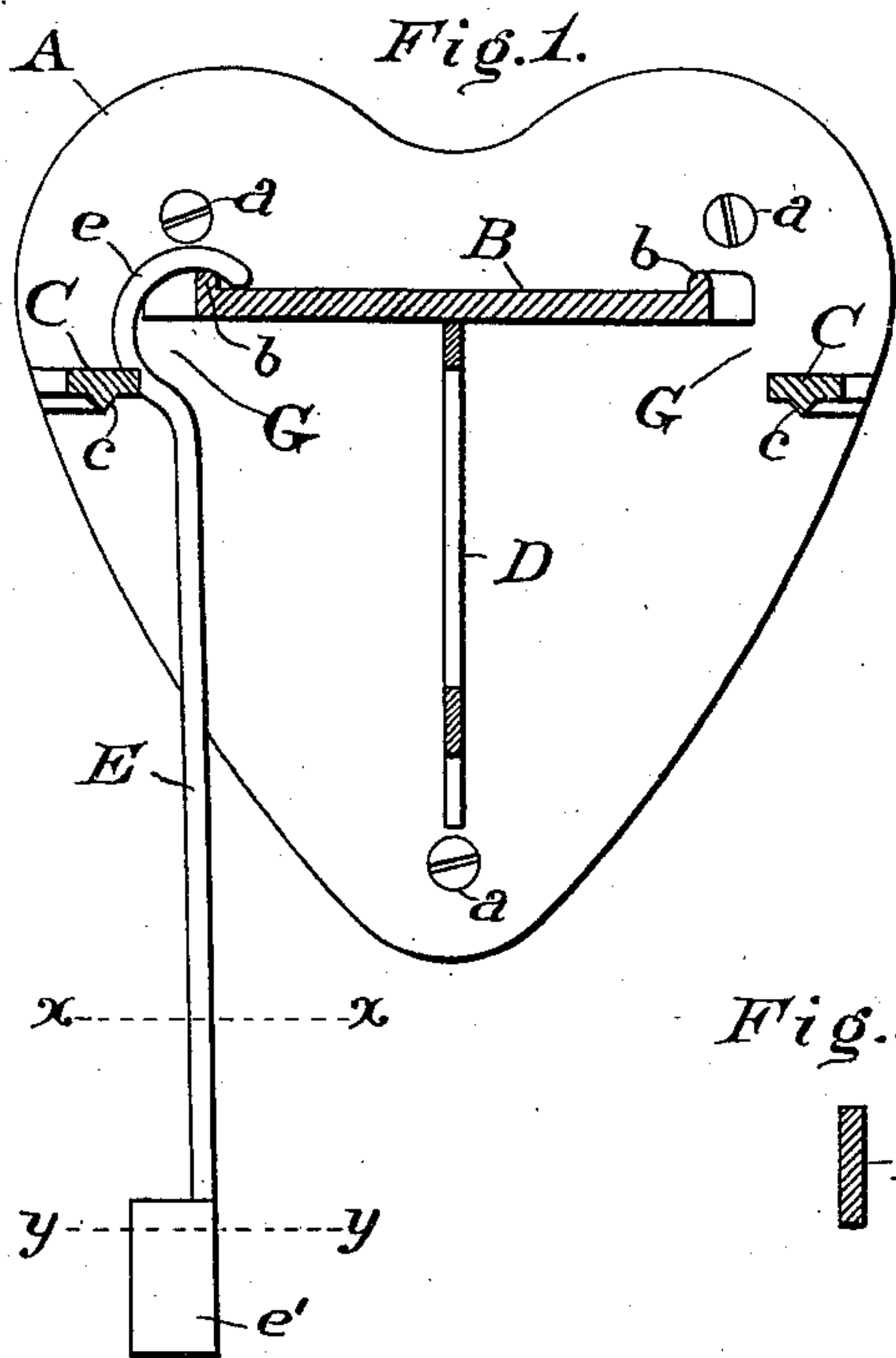
No. 670,422.

Patented Mar. 26, 1901.

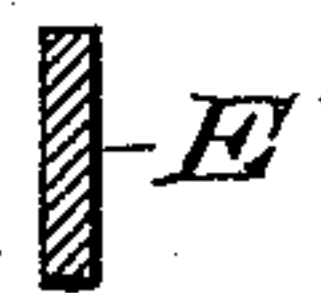
R. P. FINLEY.  
BICYCLE SUPPORT.

(Application filed July 12, 1900.)

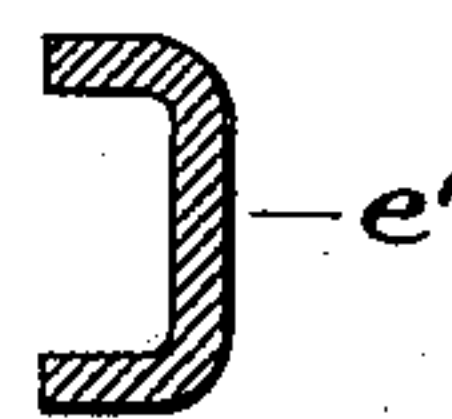
(No Model.)



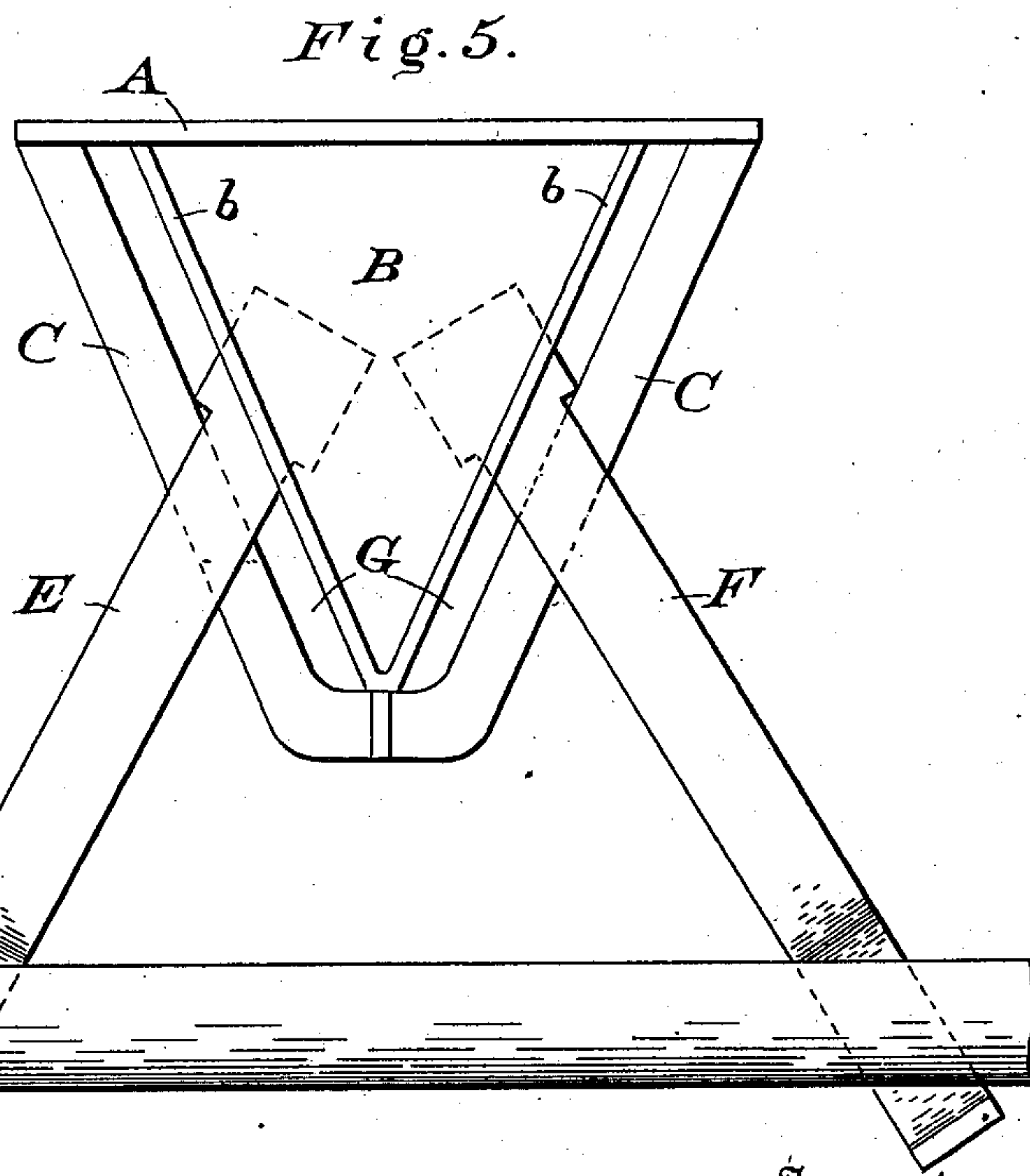
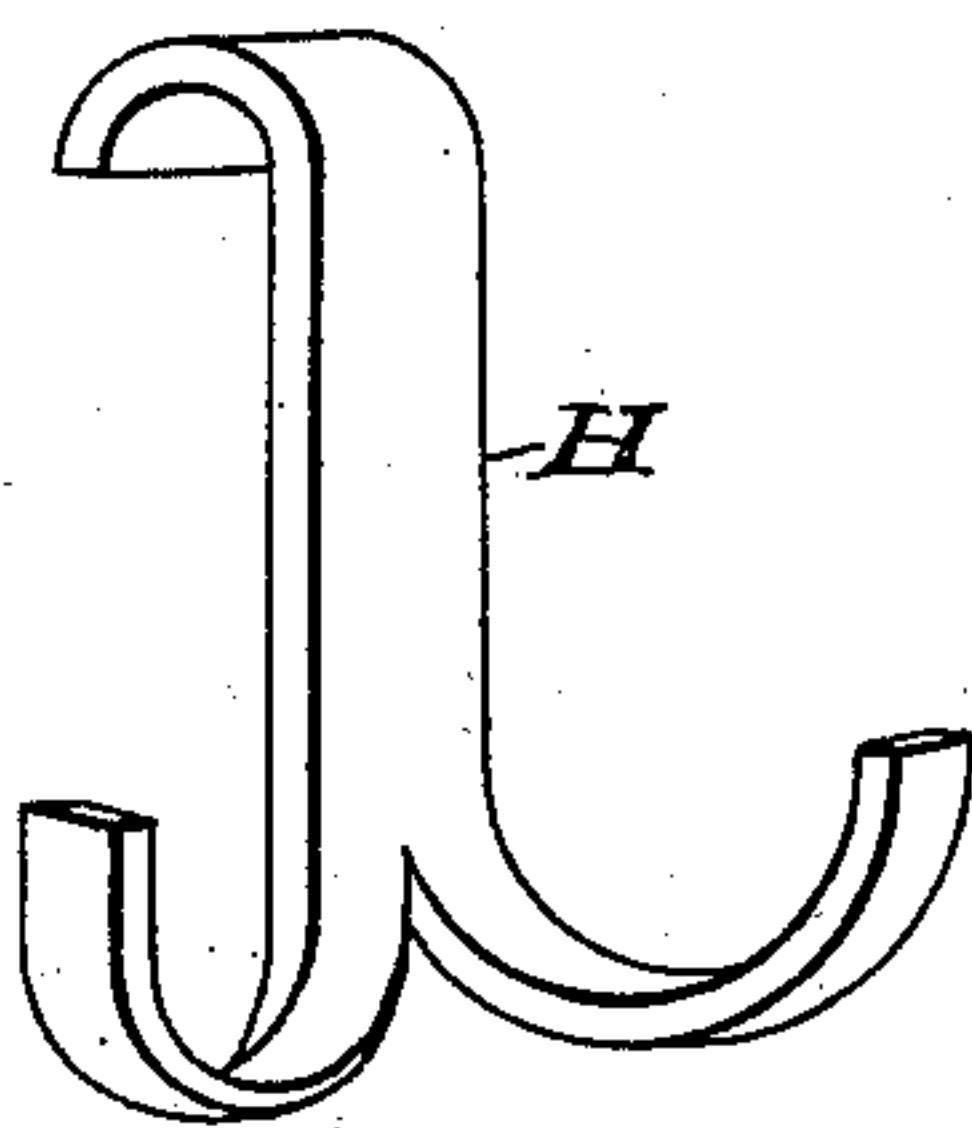
*Fig. 3.*



*Fig. 4.*



*Fig. 6.*



Witnesses

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# UNITED STATES PATENT OFFICE.

ROBERT P. FINLEY, OF MERCHANTVILLE, NEW JERSEY.

## BICYCLE-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 670,422, dated March 26, 1901.

Application filed July 12, 1900. Serial No. 23,389. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT P. FINLEY, a citizen of the United States, residing at Merchantville, in the county of Camden and State of New Jersey, have invented certain new and useful Improvements in Bicycle-Supports; 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 the letters of reference marked thereon, which form a part of this specification.

My invention relates to bicycle-supports, more particularly to extensible bracket-like devices designed to be permanently secured to a wall or post, the object being to hold a bicycle suspended in order that its weight may not rest upon the tires and flatten, distort, or crack them by long standing.

While my invention is particularly useful in a store-room or show-room, where the wheels are likely to remain for some length of time, it is equally serviceable on the outside of buildings to riders seeking temporary rest for their machines, as my device is unaffected by weather conditions.

Each constituent element of my invention is described in detail and its individual office, together with the mode of operation of the whole, fully explained hereinafter.

Of the accompanying drawings, Figure 1 represents a front view, partly in vertical section, showing one of the hook-arms hanging in the position given it when not in use. Fig. 2 shows a side view of my invention, the hook-arms being omitted. Figs. 3 and 4 are respectively cross-sections of the hook-arm shown in the first figure upon the lines  $x x$  and  $y y$ . Fig. 5 is a top plan view of my invention, showing both hook-arms in position and supporting the upper tube of a bicycle-frame; and Fig. 6 represents a convenient form of extra hook sometimes needed in connection with drop-frame wheels.

Like letters mark like parts throughout.

Considering Fig. 1, letter A designates the wall-plate or back, effectively fastened to a supporting post or partition by the three screws  $a a a$ . Projecting from plate A is a

horizontal shelf B. (See also Figs. 2 and 5.) Ordinarily I fashion shelf B in the triangular form shown and turn the edge up into the bead  $b$ . Neither the triangular form nor the beaded edge are essentials. It is believed to be within the scope of my invention to omit the latter and to construct the shelf in a semicircular or horseshoe shape. Conforming to whatever contour the shelf may have and located somewhat below and beyond the edge of the shelf is what I term the "ledge" C. This part consists of a flat strip. It begins on one side at the wall-plate and extending just outside and below the shelf ends at the opposite side of the wall-plate, as best shown in Fig. 5. Ledge C may or may not be strengthened by the underlying fin  $c$ . A bracket-piece D, jutting from the wall-plate, (see Figs. 1 and 2,) carries the shelf and the outer end of the ledge. The parts thus far described are attached one to the other and constitute the fixed portion of my invention. They may be made of metal plates, riveted or bolted together, or, more cheaply, cast in one piece.

Letter E marks one of the hook-arms, (see Fig. 1,) and a description of this part will answer for its twin F. (See Fig. 5.) The body of the hook-arm E is flat, having the cross-section shown in Fig. 3 and is provided at its upper or outer extremity with a hook  $e$ , usually formed by bending the strip. The butt-end  $e'$  of the hook-arm E has a cross-section as appears in Fig. 4. It will be readily seen that if the hook-arm be passed through the opening G, left between the shelf and the continuous ledge, the passage or extension of the arm will be stopped by contact of its butt-end with the ledge and that the arm cannot be further drawn through that opening. It will also be understood that both arms being of exactly the same construction they may be hung when out of service as indicated by the arm E in Fig. 1 or caused to project divergently, as in Fig. 5. The butt-ends press upwardly against the under side of the shelf, and the bodies rest on the ledge. If the wall-plate is secured at a sufficient height, the top tube of a bicycle-frame may be placed in the hooked outer ends of the arms, whereby the machine is suspended above the floor, and no



weight rests upon the tires. In this position the tires are safe from harm, and the wheels may be revolved freely for the purpose of cleaning them or exhibiting the operation.

5 The bicycles are by means of my invention held well away from the wall, allowing access behind them as well as in front, and when out of use the arms are quickly and easily withdrawn, shelf B only projecting.

10 When it is desired to support a lady's wheel, I use an extra hook H, (see Fig. 6,) which engages the handle-bar on both sides of the head and is itself hung from the hook-arm. Almost any form of extra hook may be employed, and  
15 many forms of ladies' wheels can be conveniently supported by my invention without the intervention of the extra hook.

In practice the hook-arms may be covered with leather or felt to prevent scratching the  
20 enamel of the tubes. It is believed to be clear from the foregoing explanation and the drawings that the hook-arms may be placed to diverge widely or narrowly, as desired.

Having thus described my invention, what

I claim, and seek to secure by Letters Patent 25 of the United States, is—

1. In a bicycle-support, the combination of a projecting fixed shelf, a ledge located below the side edges of the said shelf, independent removable arms passing between the said 30 ledge and shelf and being held thereby horizontally and divergently adjustable, substantially as described.

2. In a bicycle-support, the combination of a projecting fixed shelf, a fixed ledge located 35 below and beyond the side edges of the said shelf, independent removable arms each having a hook at one end and retaining projections at the other end, the said arms passing between the said ledge and shelf and being 40 held thereby horizontally and divergently adjustable, substantially as described.

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

ROBERT P. FINLEY.

Witnesses:

WM. LONGSTRETH,  
ARTHUR H. PAUL.