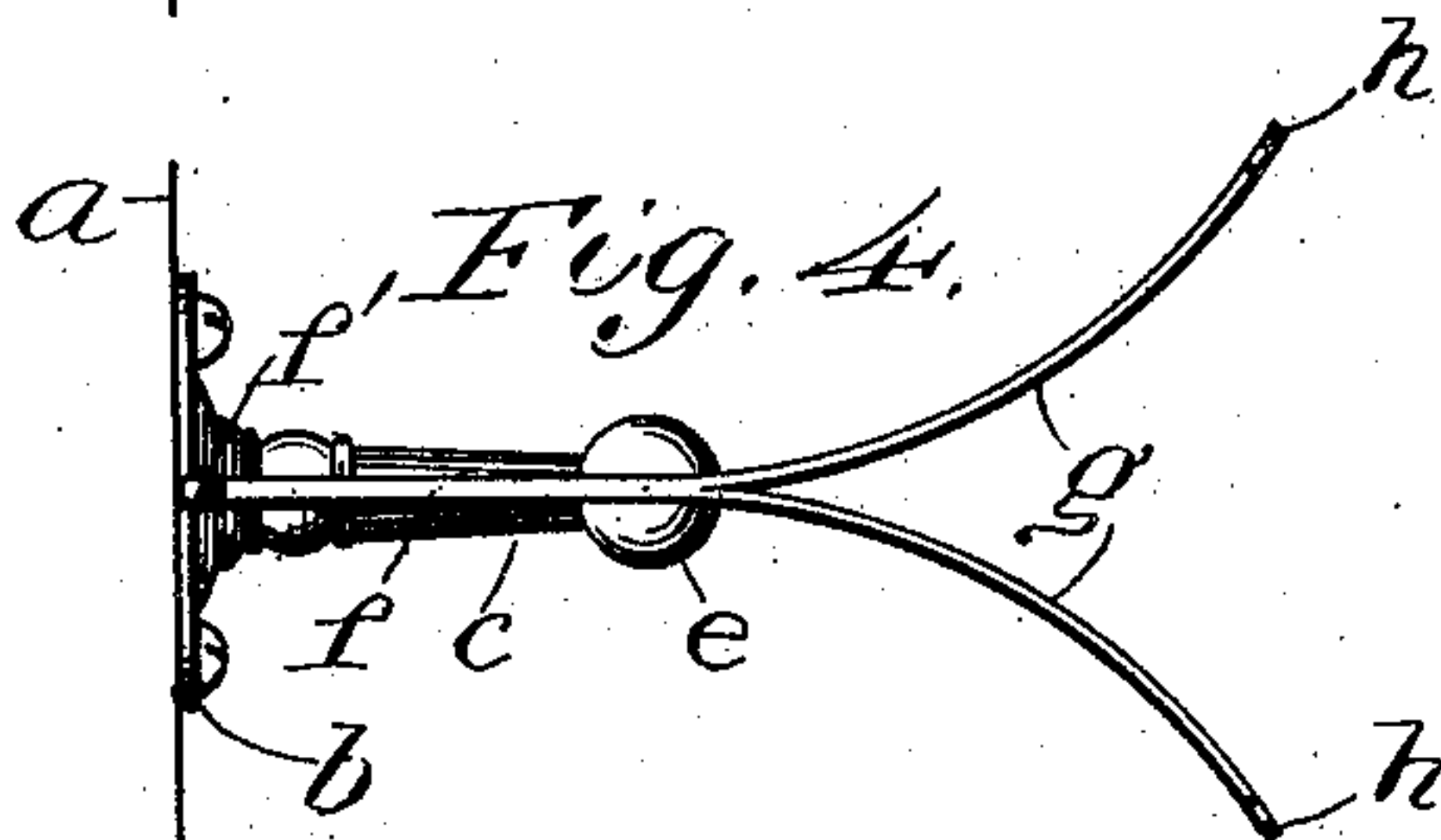
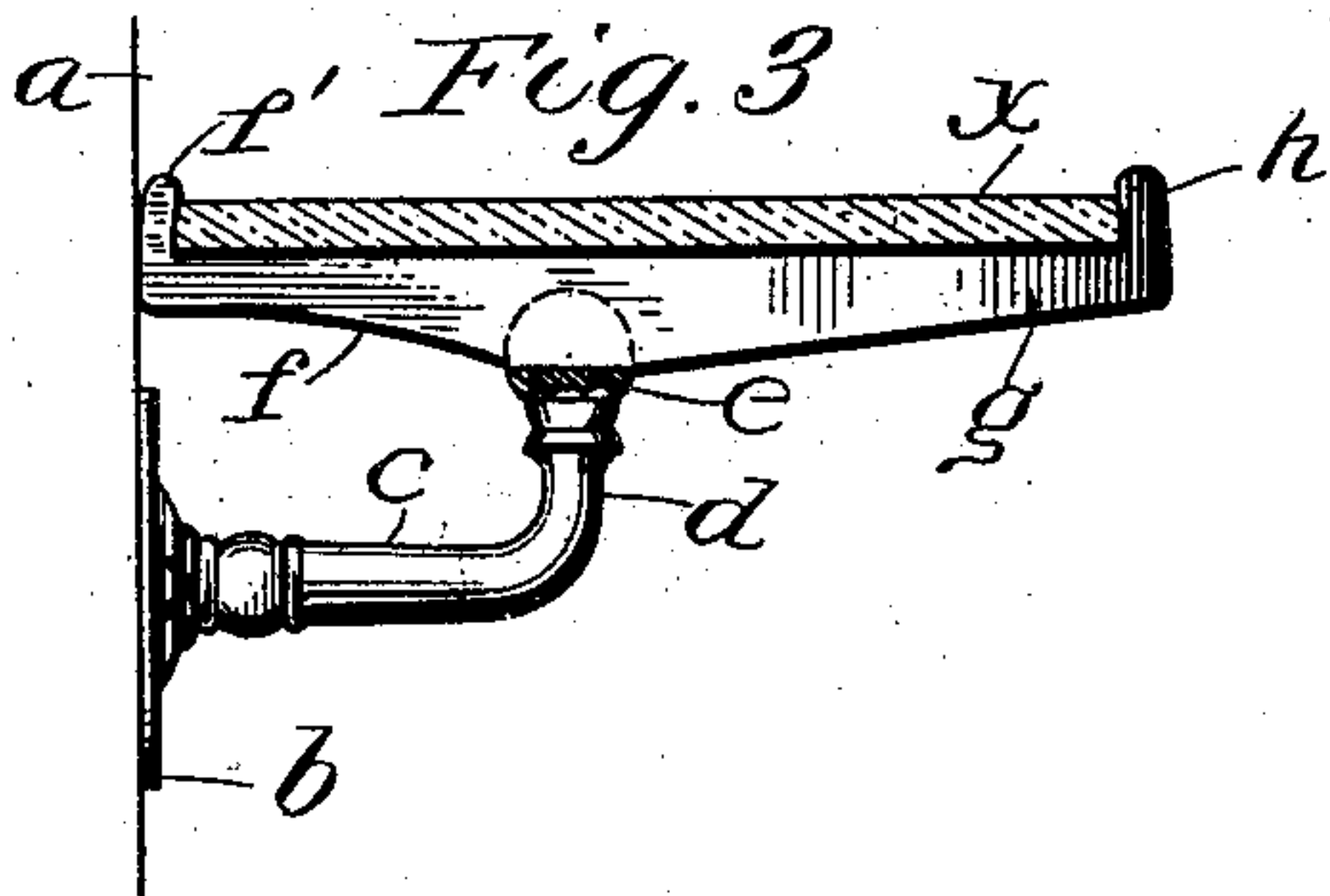
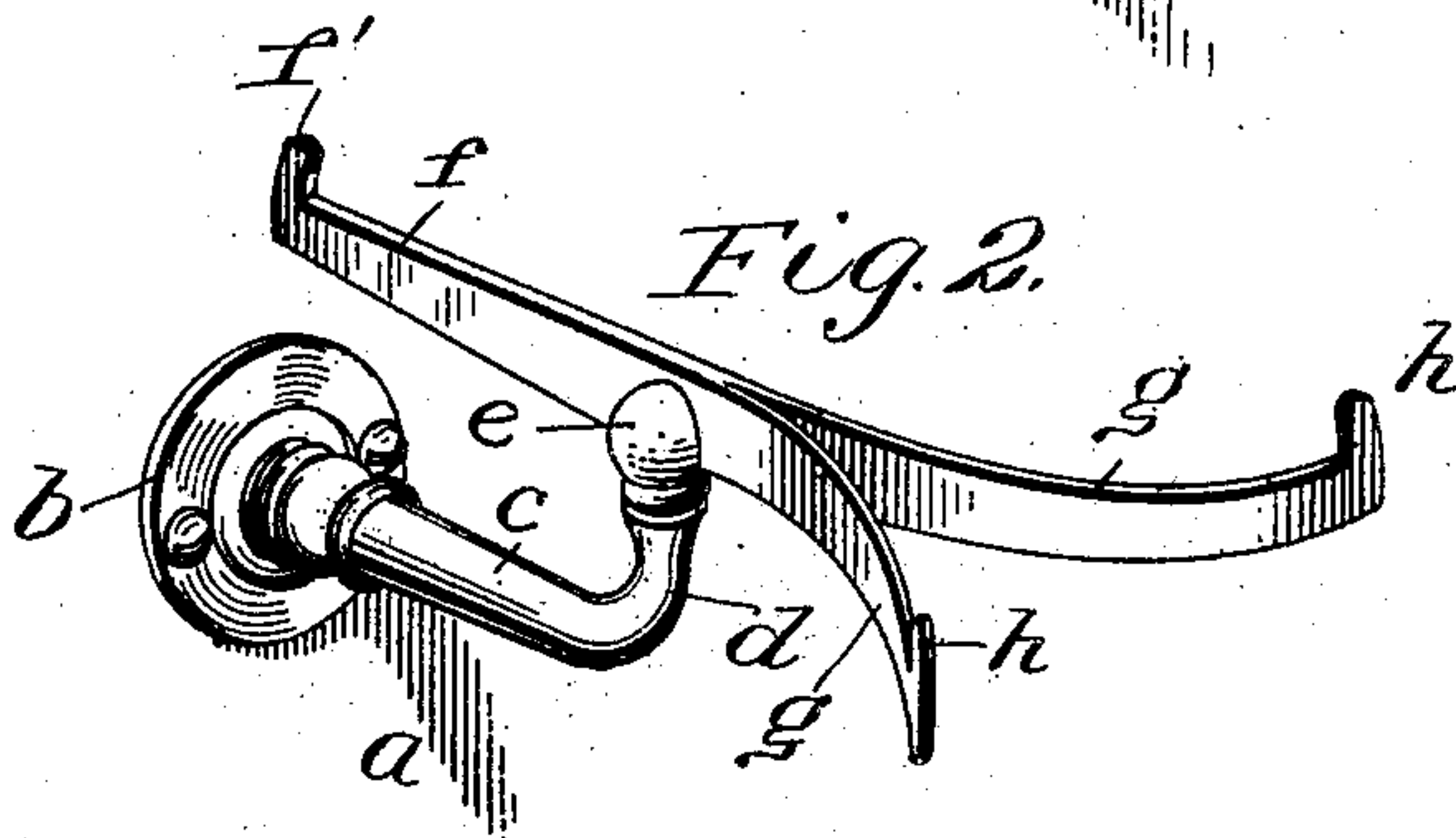
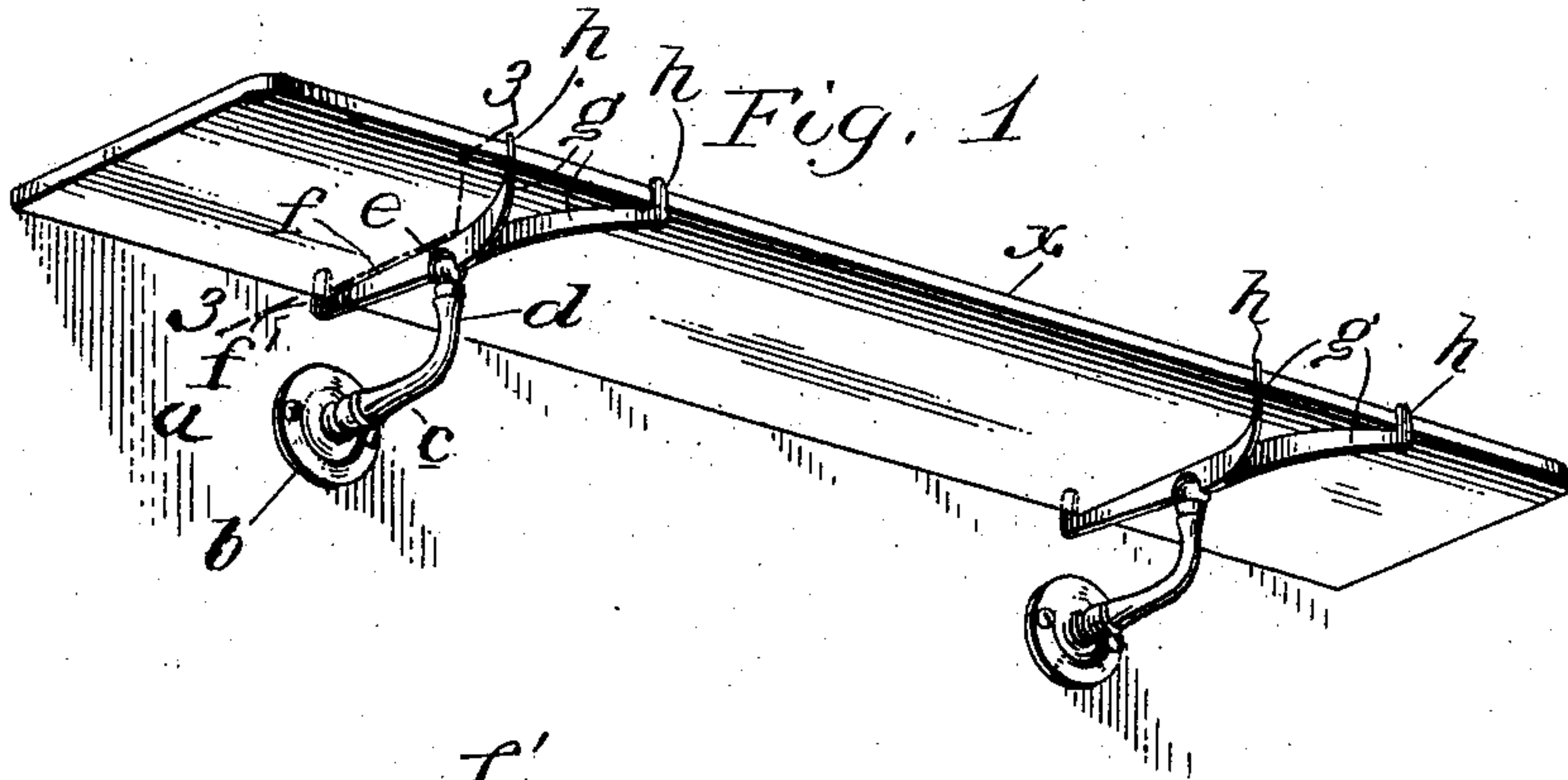


No. 897,076.

PATENTED AUG. 25, 1908

J. P. EUSTIS.
SHELF SUPPORTING BRACKET.
APPLICATION FILED MAY 13, 1908.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN P. EUSTIS, OF NEWTON, MASSACHUSETTS.

SHELF-SUPPORTING BRACKET.

No. 897,076.

Specification of Letters Patent.

Patented Aug. 25, 1908.

Application filed May 13, 1908. Serial No. 432,591.

To all whom it may concern:

Be it known that I, JOHN P. EUSTIS, a citizen of the United States, residing at Newton, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Shelf-Supporting Brackets, of which the following is a specification.

My invention relates to shelf supporting brackets which are used for supporting removable shelves, usually composed of glass, marble or tile, in such a way that the shelves do not have to be cut or perforated to receive fasteners.

The objects of the invention are to provide a suitable shelf supporting bracket from which the glass, marble or other shelf may be conveniently and quickly removed for cleaning them from time to time, and to provide a simple and efficient shelf supporting bracket.

These being some of the objects of my invention, I will proceed to describe the same with reference to the accompanying drawings which show a desirable form of the invention, and in which,

Figure 1 is a perspective view of two brackets in use, the shelf being assumed to be of glass; Fig. 2 is a perspective view of one bracket; Fig. 3 is a cross section on the line 3—3, Fig. 1; and Fig. 4 is a plan view of the bracket.

Referring to the drawings, the wall *a* may support one, two or any number of brackets, according to requirements. If a short shelf is used, one bracket is sufficient; if a longer shelf, two, and so on.

The improved shelf supporting bracket comprises wall attaching means *b* consisting of a metallic plate or disk, preferably from the center of which extends an upwardly and outwardly projecting member, comprising a horizontal portion *c* and an upright portion *d* provided with a suitable head *e*. Supported by the head *e* is a rearwardly extending shelf supporting member *f* composed of a piece of sheet metal set on edge and provided at its rear extremity, at a point over the wall attaching means *b*, with an upwardly projecting spacing lip *f'*.

Extending forwardly from the head *e* in the horizontal plane of the rearwardly extending shelf supporting member *f* is a pair of diverging shelf supporting arms *g* of spring metal. These arms are preferably curved outwardly away from each other, and at their outer ends are provided with up-

wardly extending shelf retaining lips *h*. These arms *g* are also set on edge, and upon the upper edges of said arms and the upper edge of the shelf supporting member *f* is placed the glass, marble or other shelf *x*, the rear edge of the shelf abutting against the inner edge of the spacing lip *f'* and the front edge of the shelf being engaged by the inner edges of the retaining lips *h*. The inner edges of the said lips are slightly concaved, as shown, so that the said lips in effect are inclined towards each other, whereby they will engage the edges of the shelf so that it cannot be lifted.

In placing the shelf in position upon the improved shelf supporting bracket, its rear edge is brought in contact with the spacing lip *f'* which prevents the shelf from contacting with the wall and produces a clearance between the wall and the shelf to permit particles of dust, dirt, etc., to fall off the shelf. While the pair of front spring arms *g* are pinched together so as to increase the distance between them and the wall to receive the shelf, it is dropped upon the said arms, whereupon the arms are released, and their retaining lips will spring in contact with and grip the front edge of the shelf.

It is obvious that on a plaster, tile or marble wall, where fixtures of this character are used, if the shelf is bound in the ordinary brackets, there is considerable intricate cleaning to be done. With the present invention, it is only necessary to pinch the spring arms of the brackets together and push the shelf up with one finger, so that it will be readily cleaned, as well as the brackets themselves. Still another way to release the shelf from the bracket is to grasp the ends of the shelf in the two hands and press the thumbs forcibly against the wall to obtain the desired leverage for lifting the rear edge of the shelf from the spacing lip *f'*.

Obviously when a pair of brackets is used, only one spring arm for each bracket is necessitated. Obviously also other modifications in the construction of the improved shelf supporting bracket may be resorted to without departing from the spirit and scope of the invention.

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

1. A shelf supporting bracket, comprising wall attaching means, and rearwardly springing arms supported thereon, and provided

with means for engaging a shelf and retaining it in position.

2. A shelf supporting bracket, comprising wall attaching means, rearwardly springing shelf retaining arms, and a rear shelf spacing lip.

3. A shelf supporting bracket, comprising a wall plate, spring shelf retaining arms supported by the plate, and a rear shelf spacing lip supported above the plate.

4. A shelf supporting bracket, comprising bracket attachment means, and a laterally acting spring arm supported thereon, and provided with means for engaging a shelf and acting on it rearwardly to retain it in position.

5. A shelf supporting bracket, comprising bracket attachment means and horizontal spring arms supported thereon and diverging from said bracket attachment means, said arms being provided with means for engaging and retaining a shelf in position.

6. A shelf supporting bracket, comprising bracket attachment means, and diverging

spring arms supported thereon, and provided with shelf retaining lips.

7. A shelf supporting bracket, comprising bracket attachment means, a laterally acting spring arm thereon, and a shelf retaining lip at the front end of the arm.

8. A shelf supporting bracket, comprising bracket attachment means, a laterally acting spring arm thereon, a shelf retaining lip at the front end of the arm, and a shelf spacing lip to the rear of the retaining lip.

9. A shelf supporting bracket, comprising bracket attachment means, an outwardly and upwardly extending member, spring shelf supporting arms on the latter, a rearwardly extending shelf supporting member, retaining lips on the arms, and a spacing lip on the said shelf supporting member.

Signed at Boston, Massachusetts, this 29th day of April, 1908.

JOHN P. EUSTIS.

Witnesses:

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