

(No Model.)

S. A. HITNER.
ROLLER BRACKET.

No. 303,279.

Patented Aug. 12, 1884.

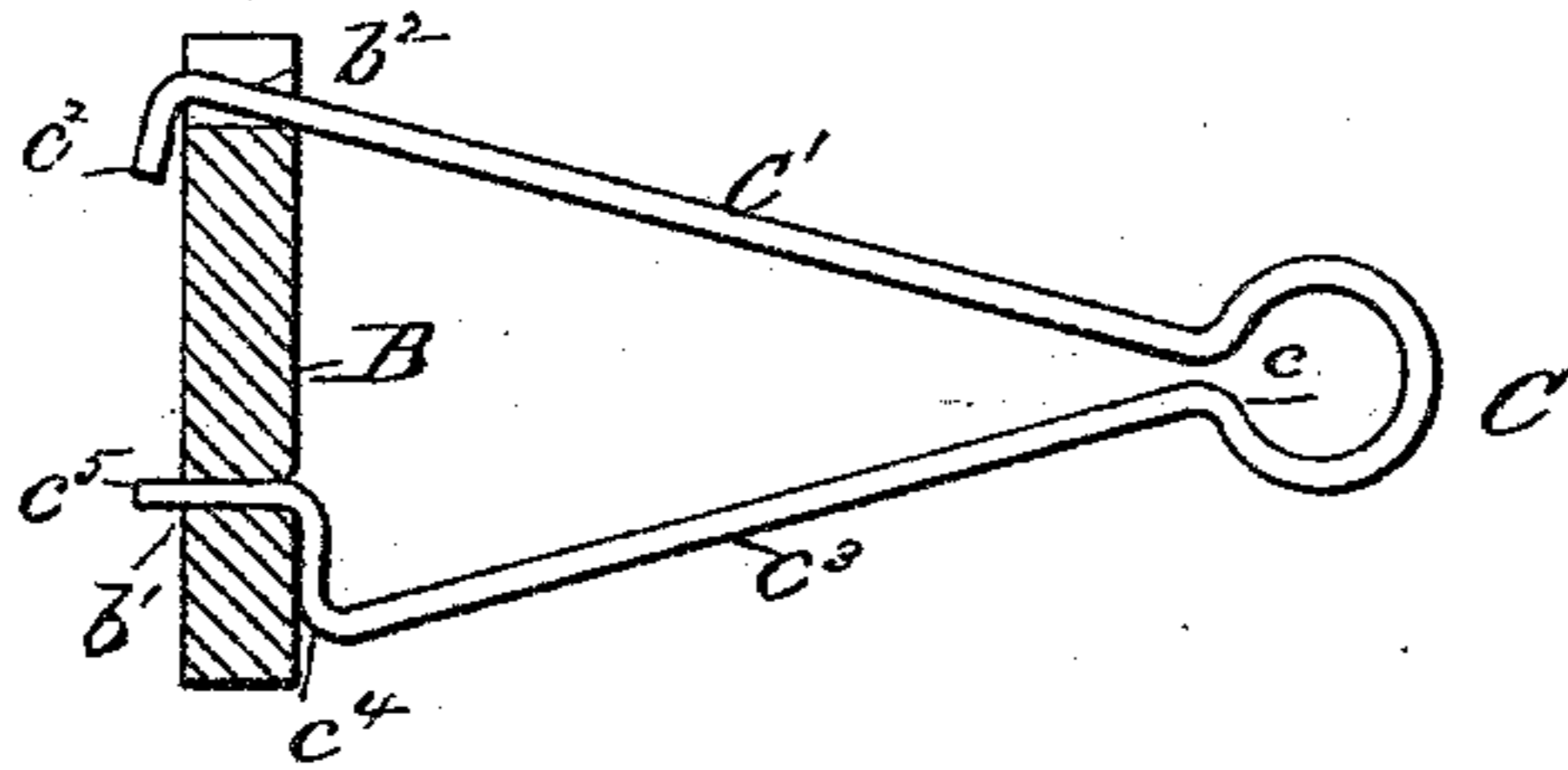


Fig 1

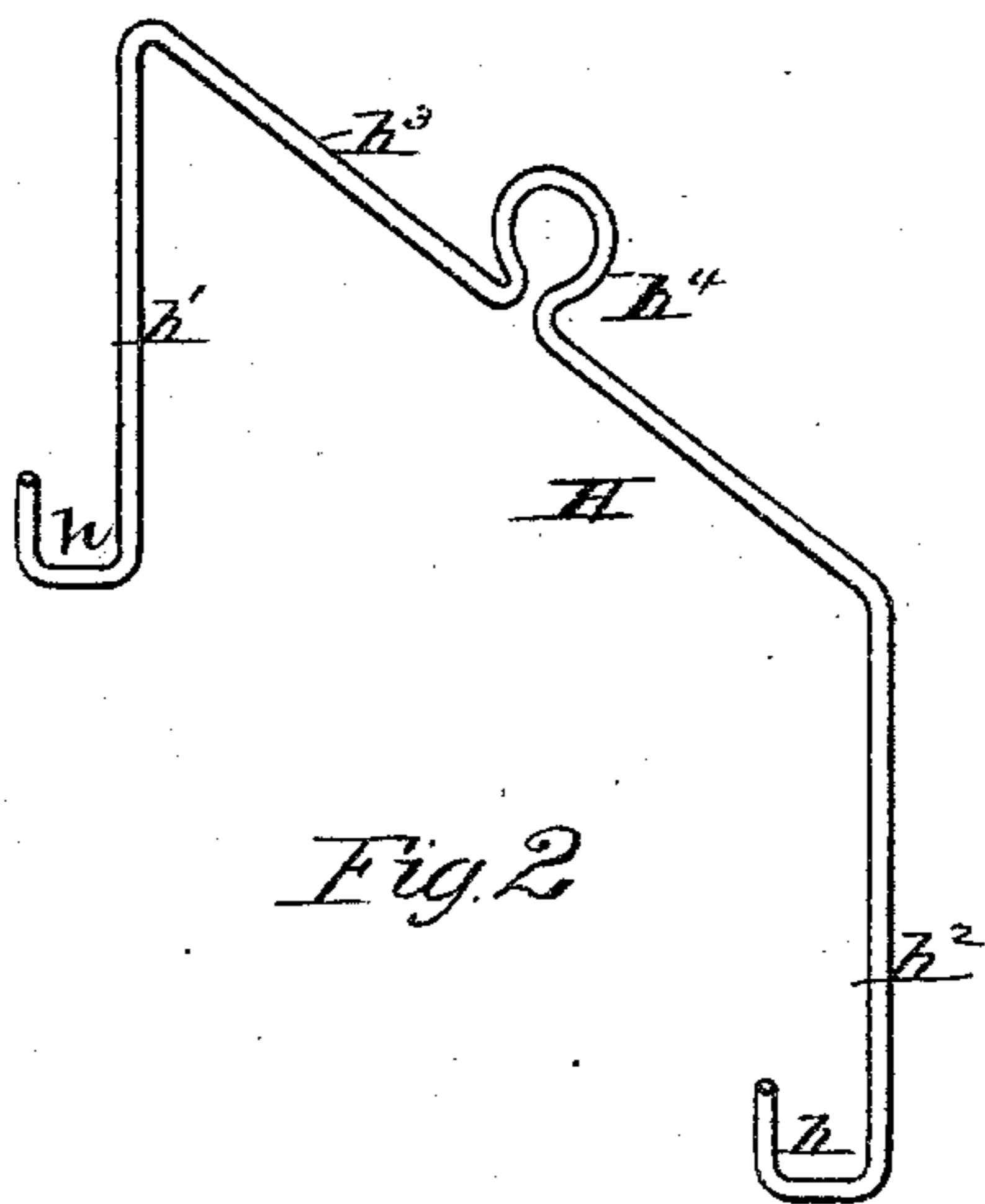


Fig 2

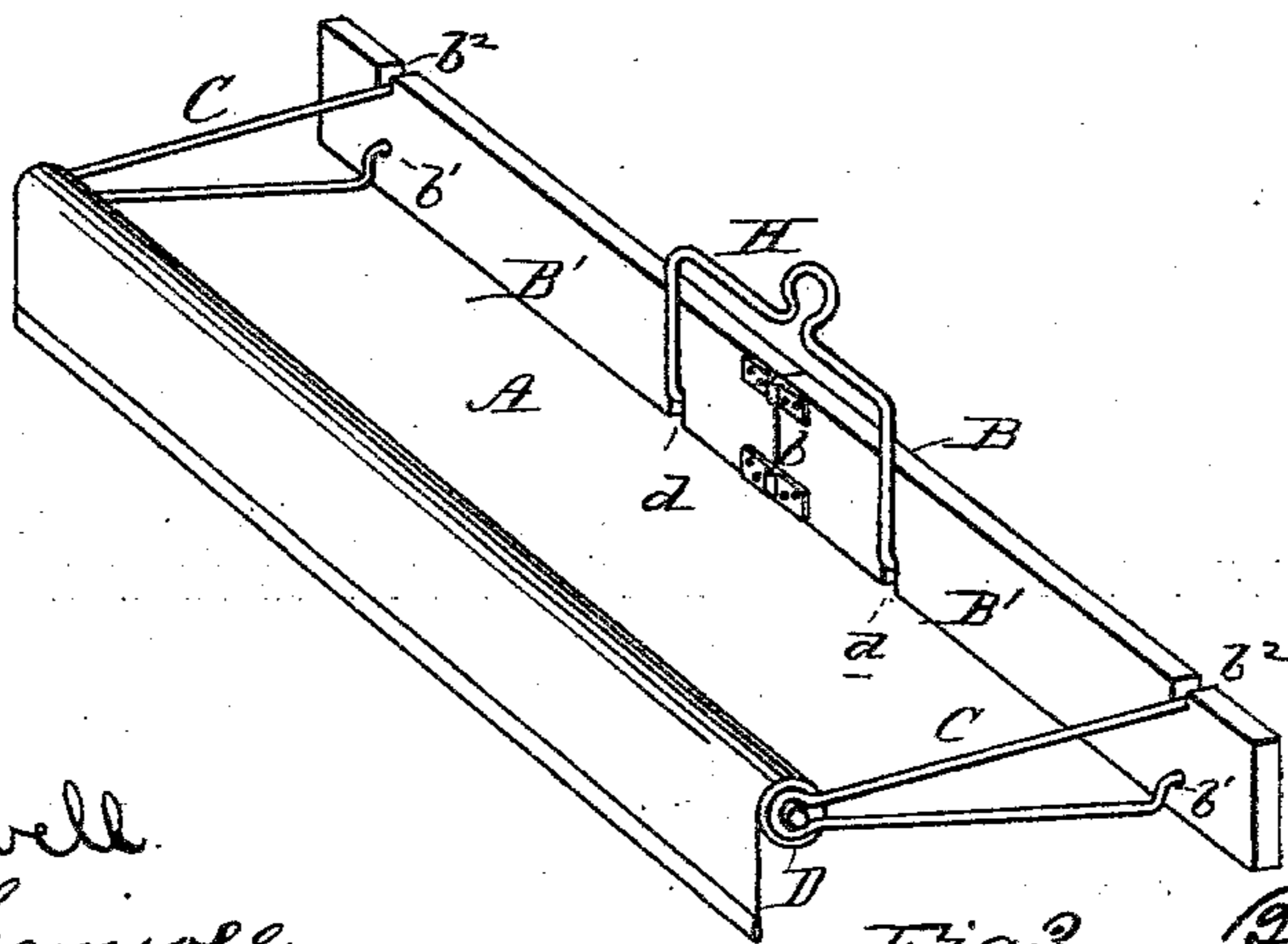


Fig 3

Witnesses:

Wm. S. Powell.
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UNITED STATES PATENT OFFICE.

SAMUEL A. HITNER, OF EAST COVENTRY, ASSIGNOR OF ONE-HALF TO
JAMES W. CARSON, OF PHILADELPHIA, PENNSYLVANIA.

ROLLER-BRACKET.

SPECIFICATION forming part of Letters Patent No. 303,279, dated August 12, 1884.

Application filed December 12, 1883. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL A. HITNER, a citizen of the United States, residing at East Coventry, in the county of Chester and State of Pennsylvania, have invented certain new and useful Improvements in Roller-Brackets; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a vertical transverse section; Fig. 2, a perspective of hanger; Fig. 3, a perspective of bracket complete, with roller.

My invention has for its object to provide a bracket designed and adapted for the suspension and display of charts, maps, and other illustrated articles, and also capable of use for the support of shade-rollers, towels, &c., said bracket being so constructed that it may be readily put together, taken apart, and compactly stowed for convenience of transportation, &c.

My invention consists in the peculiar construction and combinations of parts hereinafter fully set forth, having reference, particularly, to the following parts or features: first, to forming the supporting arms or lugs of wire, so that they can be readily secured to the base-board without the aid of nails or screws, and may be sprung apart to facilitate the introduction of the roller; second, to forming the pendant or hanger of wire, so that it may be sprung into place on the base-board and securely held on the latter without other fastening than its engagement with the notches in said board, which it enters; third, to the combination, with a bracket base-board having openings and notches at each end, of wire lugs or arms adapted to engage therewith when sprung thereinto, as hereinafter fully set forth; fourth, to the combination, with a bracket base-board formed into two divisions united by a hinge-joint, of a wire pendant forming a hanger for said base-board, and serving also to hold the divisions apart, or in line when opened, as hereinafter fully described.

Referring to the accompanying drawings, A designates a bracket having a base-board, B, with metallic lugs or arms C C, which afford

bearings or supports for a roller, D. Said roller may be used for the suspension and winding up of a map, a series of charts, a window-shade, a towel, or any other article, and, in itself, forms no part of my invention. The bracket B may consist of a single length or piece of wood, or equivalent material; or it may consist of two similar divisions, B' B', united to each other by a hinge, b. At each end of the board there is an opening, b', and also a notch, b², said openings and notches being designed and adapted to receive the lugs or arms C C. Said lugs or arms are made of stout spring-wire, their outer extremities or bends forming eyes or sockets c c for the reception of the journals of the roller D. Their inner extremities are bent, as shown, the end of the upper branch, c', terminating in a hook, c², which engages with the notch b² in base-board B, while the inner extremity of lower branch, c³, is bent to form a shoulder, c⁴, and a projection or pin, c⁵, which latter enters the opening b' in board B, bringing the shoulder c⁴ against said board. Each lug or arm C is secured to the said board B by first inserting the end c⁵ in one of the openings b', and then springing the upper branch, c', into engagement with the corresponding notch, b², bringing the hook c² back of the board. When the roller and its pendent attachment are supported on the arms C C, the hooks c² c² on the latter prevent the said arms from being pulled away from the base-board, while the shoulders c⁴ c⁴ prevent said arms from being pushed backwardly through said base-board.

To remove the arms C C from the base-board, their upper branches are first sprung out of the notches b² b², and the inner extremities of their lower branches then withdrawn from the openings or holes b' b'.

To insert and withdraw the roller from the arms or lugs C C, said arms are merely sprung laterally apart, when the roller may be readily put in and taken out.

To sustain the bracket on a wall or like fixture, the base-board B is formed with two notches, d d, and to these are caused to enter the two lower ends of a hanger, H, which ends are bent to form hooks h h. Said hanger is composed of wire like that of the arms C C,

and consists of a single piece bent to form the three sides, $h' h^2 h^3$, the latter having an eye or loop, h^4 , by means of which it is hung upon a nail, screw, or hook in a wall or other fixture or support. The hanger H not only serves as a medium of suspension for the bracket proper, but also serves to keep the divisions or leaves of the base-board spread and aligned when they are opened or apart, as shown in the drawings, as the sides $h' h^2$ of said hanger bear against said leaves or divisions and prevent their closure or folding on one another.

By removing the bracket-arms and hanger, and folding the base-board, the entire bracket may be compactly stowed in a small space, rendering it convenient for transportation; and as the device is readily put together without the aid of tools or the employment of screws, nails, and like fastening devices, it will relieve traveling agents and salesmen, whose business compels the frequent display at different places of maps, charts, &c., of much labor and vexation of spirit heretofore incurred.

What I claim as my invention is—

1. Bracket arms or lugs composed of wire and adapted and designed to be sprung into engagement with a base-board or support, and provided with eyes or equivalent devices at their outer ends for supporting a roller, substantially as shown and described.

2. A bracket arm or lug, C, composed of wire bent to form a loop or bearing, c , and having two branches, $c' c^3$, one of which terminates in a hook, c^2 , the other having a shoulder, c^4 , and projection c^5 , substantially as shown and described.

3. The combination, with a base-board, B, having notches b^2 and openings b' , of wire arms or lugs C C, having hooks c^2 , shoulders c^4 , and projections c^5 , substantially as shown and described.

4. In combination with base-board B, having notches d d , the wire hanger H, having hooked ends h h , substantially as shown and described.

5. In combination with a bracket base-board, B, formed of two divisions or leaves united by a hinge-connection, a hanger, H, forming a suspender for said board, and also serving to keep its divisions or leaves apart when opened, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 4th day of December, 1883.

SAML. A. HITNER.

Witnesses:

ANDREW ZANE, Jr.,
M. D. CONNOLLY.