No. 708,666. Patented Sept. 9, 1902.

J. RODRIGUEZ.

HAT HOOK.

(Application filed Apr. 9, 1902.)

(No Model.)

Fig. 1.

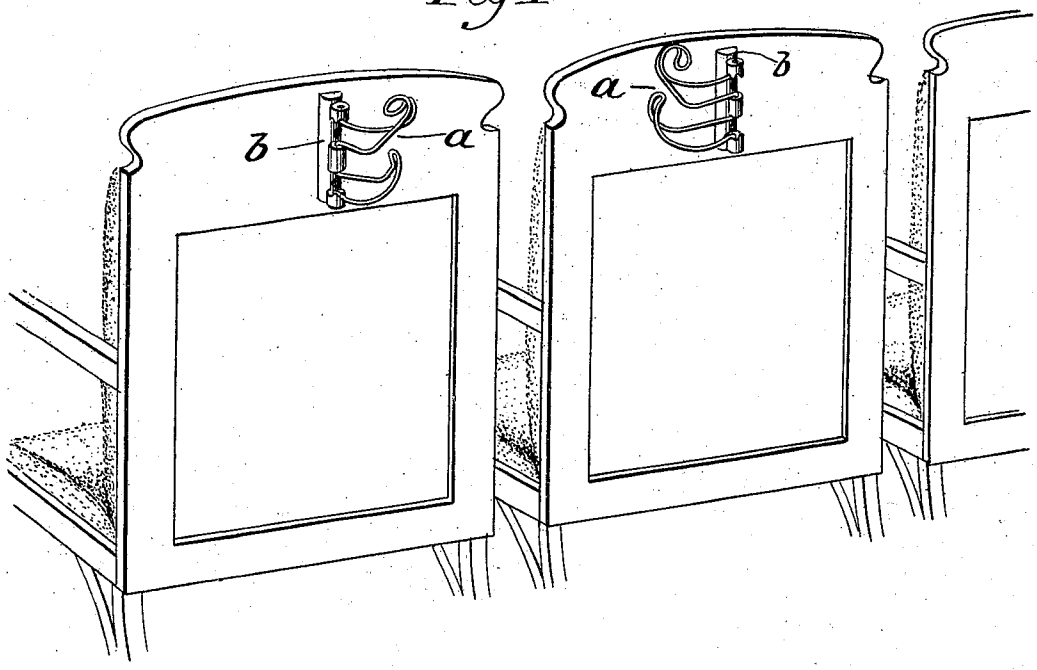


Fig. 3.

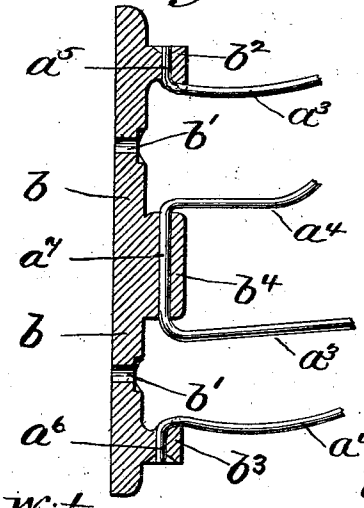
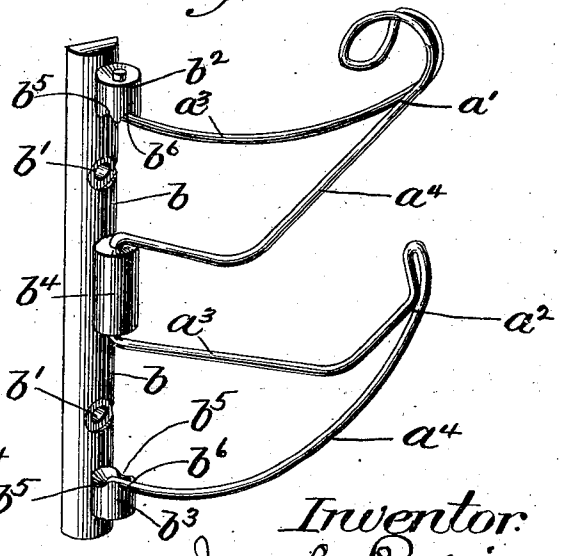


Fig. 2.



Witnesses:
Chas. J. O'Neill
J. M. Wrenn

Inventor:
Joseph Rodriguez
By his attys.,
Dennie & Goldsborough

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOSEPH RODRIGUEZ, OF NEW YORK, N. Y.

HAT-HOOK.

SPECIFICATION forming part of Letters Patent No. 708,666, dated September 9, 1902.

Application filed April 9, 1902. Serial No. 101,995. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH RODRIGUEZ, a citizen of the United States, residing at New York, in the county and State of New York, have invented certain new and useful Improvements in Hat-Hooks; and I do hereby 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.

The object in view is to provide a pivoted folding hook for hats, wraps, and other small articles that is intended more especially for the backs of the chairs or seats in theaters, churches, and other places where the space between the rows of seats is so narrow as not to permit the use of hooks of the ordinary construction with permanently-outreaching arms.

To this end the invention consists in the construction hereinafter described, and illustrated in the accompanying drawings, forming part of the specification, wherein—

Figure 1 is a perspective showing the application of the device to theater-chairs. Fig. 2 is a perspective showing one of the brackets with its hooks detached; and Fig. 3 is a vertical section through the bracket, showing the bearings for the pivotal parts in the securing-plate.

Referring to these views, a indicates a hook made, preferably, of a single piece of elastic wire bent into the form best shown in Fig. 2—viz., having an upper member a' and a lower member a^2, each consisting of two arms having substantially horizontal portions a^3 a^3 and inclined portions a^4 a^4. At their inner ends the upper one of the arms a^3 and the lower one of the arms a^4 are provided with vertically-extending pintles a^5 a^6, which are in line with each other and are preferably, though not necessarily, extended in opposite directions away from each other. The inclined arm a^4 of the upper member of the hook and the horizontal arm a^3 of the lower member of the hook are joined by a vertical portion a^7, which extends in line with the pintles and forms an intermediate pivotal portion for the hook. The securing-bracket for the hook consists of an elongated plate b, provided with screw-holes b' or any other means permitting its attachment to the back of a chair, seat, or other surface. At its upper and lower ends this plate is provided with bearings b^2 b^3 for the pintles of the hook, and at a point about centrally between these bearings it is provided with an additional bearing b^4 for the intermediate pivotal portion a^7 of the hook.

The hook is connected to the plate in the manner clearly illustrated in Figs. 1 and 2 and is free to swing, so as to stand out straight from the surface to which it is secured or be folded sidewise flat against said surface, as shown at the right of Fig. 1.

It being desirable to lock the hook in either of the positions above described the upper and lower pintle-bearings are provided at one end with horizontal notches b^5 b^5 and b^6. These notches are made in the ends of the pintle-bearings and are arranged at radial angles ninety degrees apart. The notches b^5 b^5 are diametrically opposite each other at the sides of the bearings, and the notch b^6 is midway between these two. As here shown, they are formed on the lower end of the upper bearing and the upper end of the lower bearing. The horizontal portions a^3 a^4 of the hook-arms engage the notches and hold the hook either extended, as shown at the left of Fig 1, or folded, as shown at the right of the same figure.

The intermediate bearing b^4 is an important feature of the invention, for it not only serves to secure the hook permanently to the bracket and prevent its accidental detachment, but it forms, in connection with the inclined arm a^4 of the upper member and the horizontal arm a^3 of the lower member, an additional support for the members a' a^2, so that although I have but a single structure it comprises two members a' and a^2, and each member has two pivotal points, one for its horizontal arm and another for its inclined arm. The structure is thereby greatly stiffened and strengthened, as the inclined arm a^4 forms, in effect, a strut to brace the upper member a' against downward strains, and the horizontal arm a^3 performs a similar office for the lower member a^2 when similar strains are brought on it.

The elasticity of the arms a^3 a^4 holds the pintles in their bearings and permits them to yield when it is desired to change the hook

from one position to the other. The pintles are preferably formed by bending the inner ends of the arms at right angles to their length, and the horizontal portion of each arm immediately adjacent to its pivot engages the notches and is held therein by the resilience of the arm with sufficient pressure to hold the hook against displacement and yet so as to be readily folded when occasion requires.

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

1. A folding hat-hook, having elastic arms with horizontal portions and vertical pintles at their ends, and a securing-bracket provided with upper and lower vertical bearings to receive the pintles, said bearings being notched on their opposite ends to receive the horizontal portions of the elastic arms and hold the hook either in its folded or extended position.

2. A folding hat-hook, consisting of a hook having elastic arms with horizontal portions and vertical pintles at their ends, and an intermediate pivotal portion between the arms and in line with the pintles, and a securing-bracket having upper and lower vertical bearings to receive the pintles, and a central bearing for the intermediate pivotal portion of the hook.

3. A folding hat-hook, consisting of a single piece of wire bent into the form of a duplex hook, having elastic arms with horizontal portions and vertical pintles at their ends, the pintles of the upper and lower hooks extending in opposite directions, and a securing-bracket having upper and lower vertical bearings to receive the pintles, and a central bearing through which the intermediate pivotal portion of the hook between its arms passes.

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

JOSEPH RODRIGUEZ.

Witnesses:
J. JEROME LIGHTFOOT,
J. A. GOLDSBOROUGH.