

R. F. S. HEATH.  
Canopy-Frame.

No. 159,925.

Patented Feb. 16, 1875.

Fig. 1.

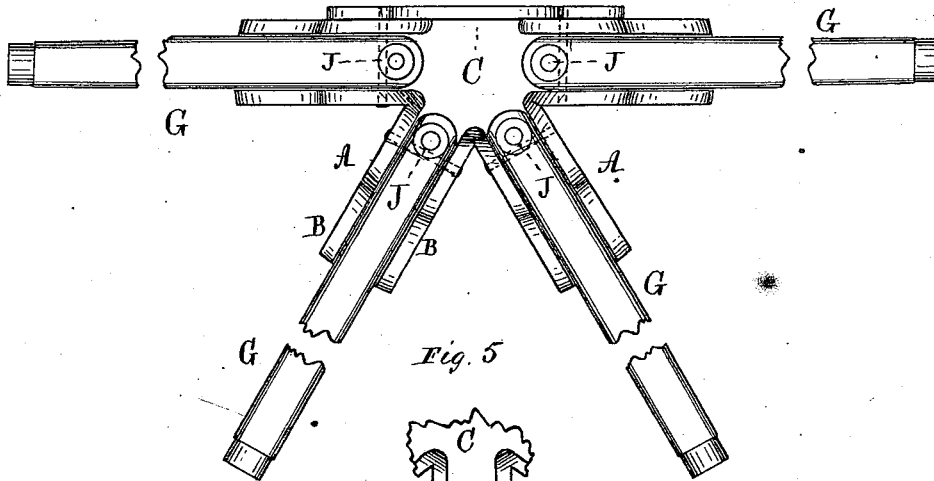


Fig. 5.

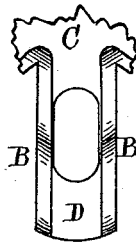


Fig. 3.

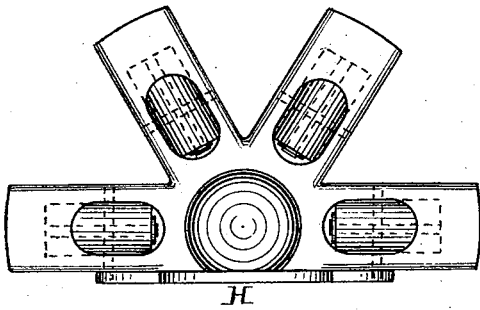


Fig. 2.

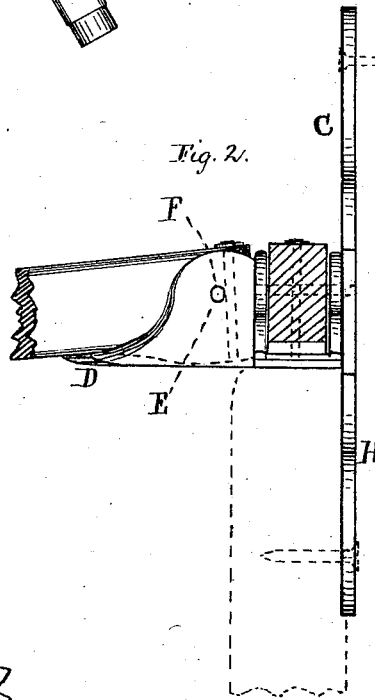
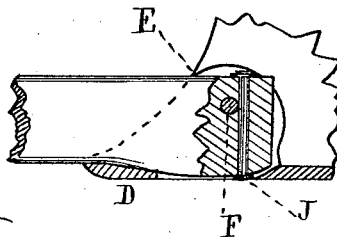


Fig. 4.



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# UNITED STATES PATENT OFFICE.

ROBERT F. S. HEATH, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN CANOPY-FRAMES.

Specification forming part of Letters Patent No. 159,925, dated February 16, 1875; application filed April 11, 1874.

*To all whom it may concern:*

Be it known that I, ROBERT F. S. HEATH, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Canopy-Frames; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand, make, and use the same, reference being had to the accompanying drawings making part of this specification, in which—

Figure 1 is a top or plan view of the device embodying my invention. Fig. 2 is a side view. Fig. 3 is a bottom view thereof. Fig. 4 is a side view of a detached portion, partly in section and broken away. Fig. 5 is a top view of a detached part.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists of a cast metallic bracket formed of a body having a radially-arranged series of ears, each series being in pairs, connected at their lower forward ends by cross-bars, and independent of each other; and to each pair is pivoted an upwardly-folding canopy-arm, behind whose transverse and horizontal pivot is passed, vertically, a bracing-pin, whereby the arms rest solidly. The pivots of the arms are independent of each other and readily accessible, and if one is loosened the others are not affected thereby; and, as the arms are of light structure, and the strain on their axes, due to long leverage and weight, is apt to break or tear out the portions behind the perforations, provision is made to overcome such liability.

Referring to the drawings, A represents the ears of a bracket, to which are pivoted the arms for the support of the canopy. Each ear consists of two upright plates, B B, which project radially from the body or main portion C of the bracket, and there will be as many ears as there are arms, the bracket being of circular, semicircular, or other form, and, if desired, provided with means for attachment to the wall or ceiling, or elsewhere. These ears are connected at their lower outer ends by horizontal bars or plates D, and near their upper ends are perforated, as at E, through which perforations are passed the pivots F of the canopy-supporting arms G, which consist of rods or strips of proper ma-

terial and length, and each arm is introduced between the two plates constituting the ear, and pivoted thereto, as stated.

When the arms are unfolded, or open, they rest on the plates D, which, in connection with the pivots F, support the said arms in a simple, firm, and reliable manner.

H represents a plate, secured to and projecting downward from the body of the bracket, so as to form an angle with said body, (as seen in Fig. 2.)

This enables the bracket to be placed on the head or foot board or other portion of a bedstead, or to any other article of furniture, and, by means of screws or nails passing through the plate H into the furniture, the bracket is nicely and steadily held in position.

The inner or pivot ends of the canopy-arms are perforated transversely for the passage of the pivots F, and behind said perforations, at right angles with the transverse line of the perforations, there are inserted pins J.

It is evident that the canopy-arms are of light structure, and the strain on their axes is apt to break or tear out the portions behind the perforations thereof. This defect is prevented by the pins J, which come solidly against the pivots F, brace the same, and take up the strain.

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

1. The cast metallic bracket, consisting of the body C, with ears B B, constructed in pairs, with supporting-bars D, and independent of each other, in combination with the upwardly-folding arms G jointed to the ears B, with pivots F, independent of each other, all constructed, arranged, and operating substantially as herein set forth.

2. The cast metallic body C, having ears B with supporting-bars D at their forward lower ends, in combination with the upwardly-folding arms G, pivoted to the ears and having vertical pins J behind the pivots F of the arms, all constructed, arranged, and operating, substantially as and for the purpose set forth.

The above signed by me this 11th day of February, 1873.

Witnesses: ROBT. F. S. HEATH.  
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MILLARD F. WALTON.