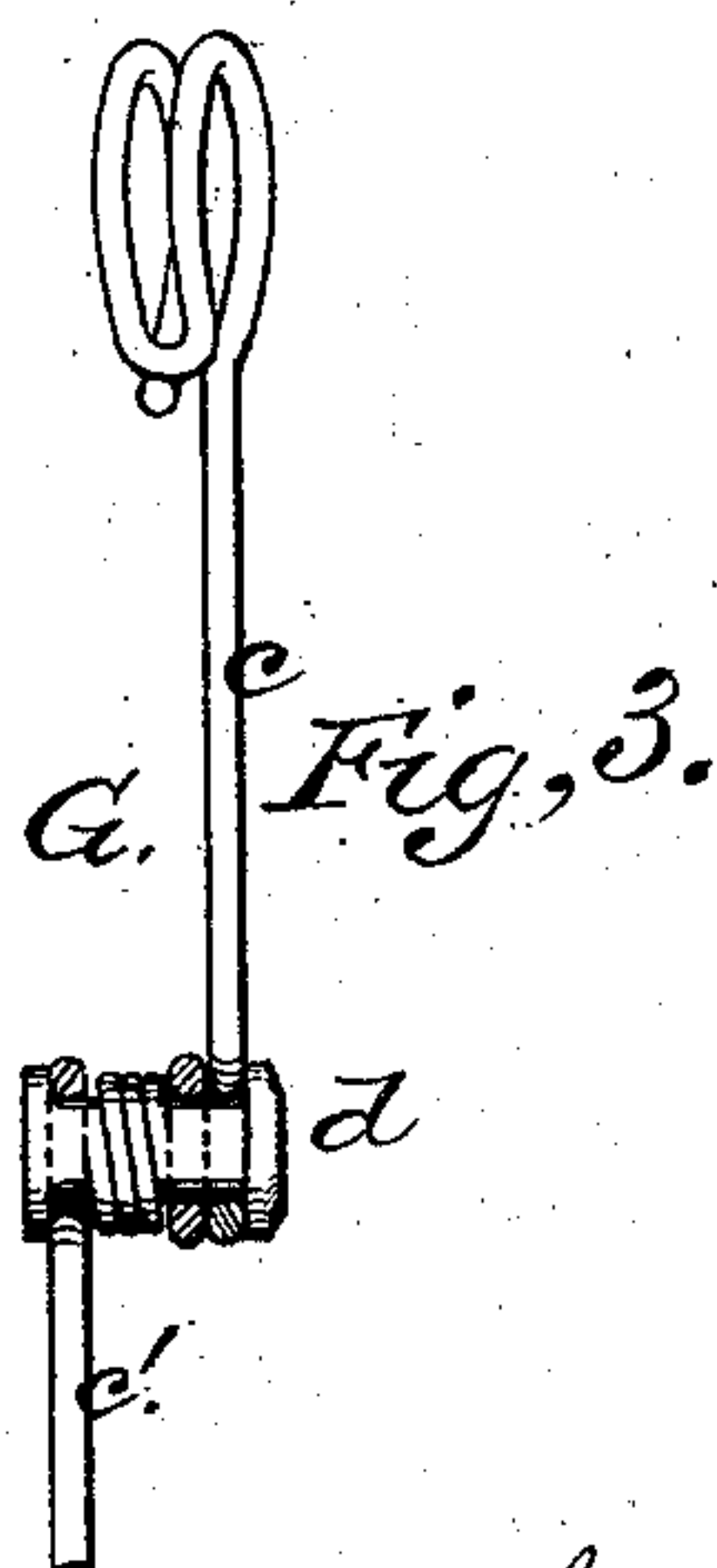
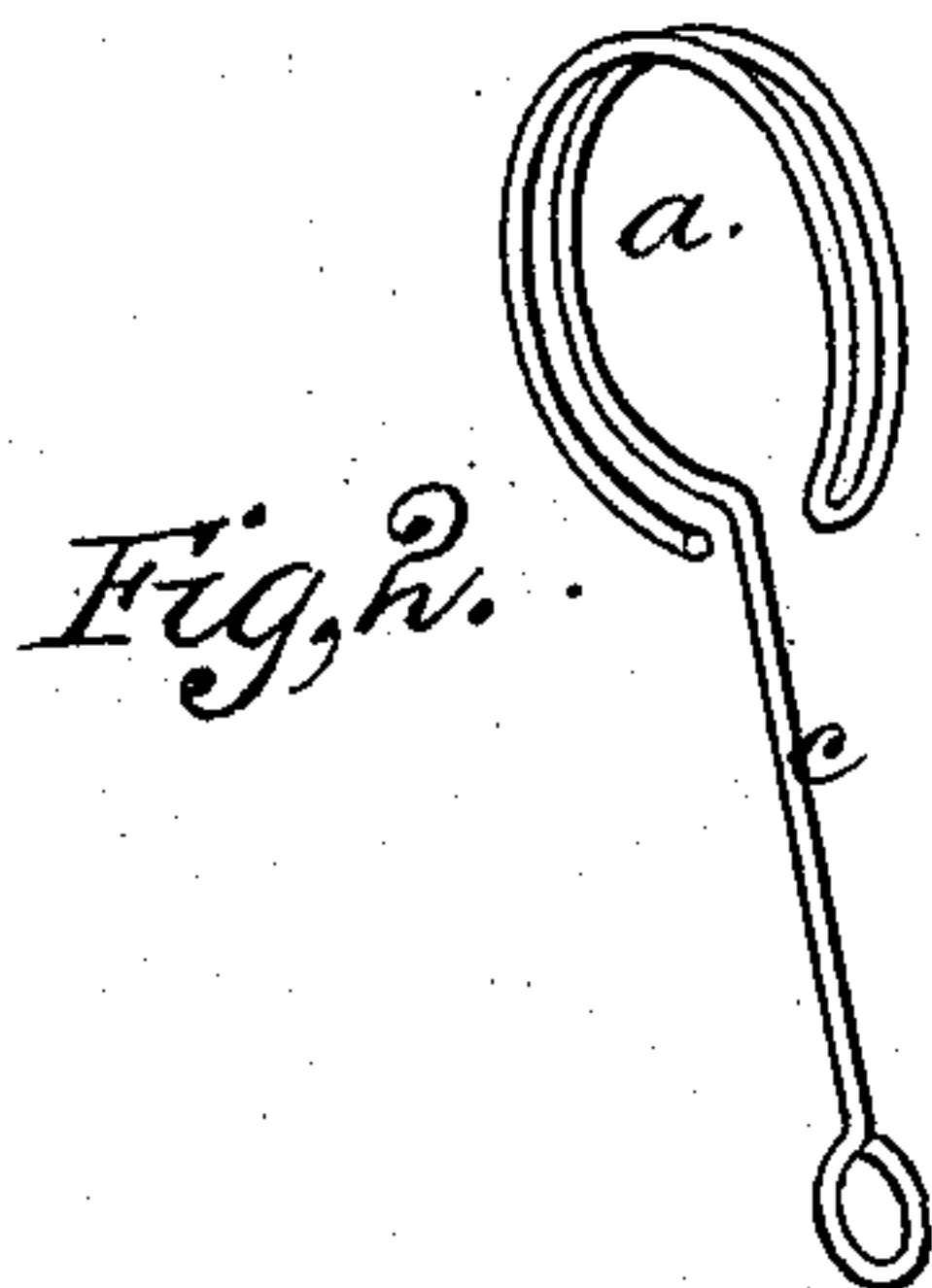
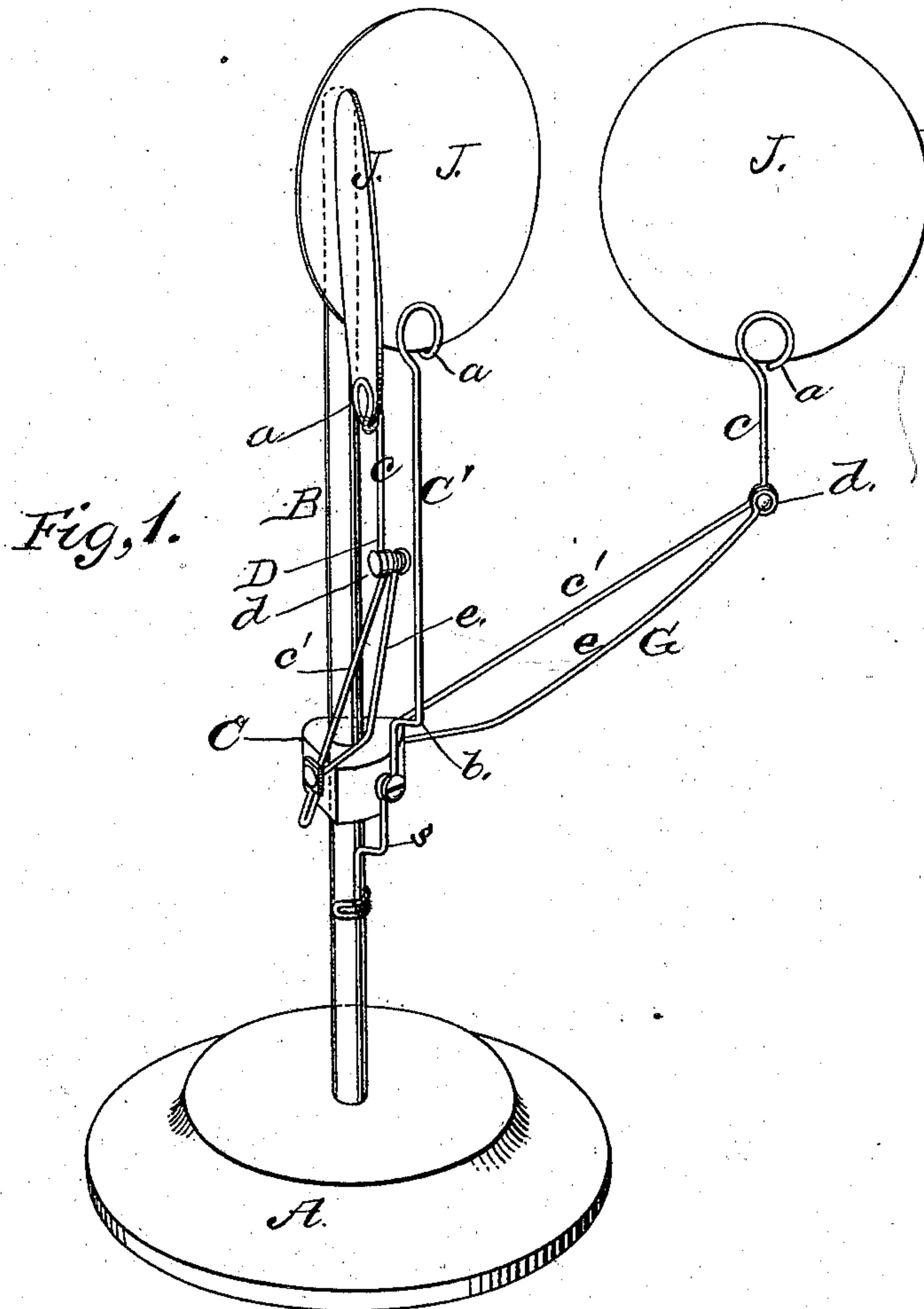


J. S. BEDEL.
Lamp-Shade.

No. 228,024.

Patented May 25, 1880.



WITNESSES
Villette Anderson.
Frank J. Masi.

INVENTOR
James S. Bedel,
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UNITED STATES PATENT OFFICE.

JAMES S. BEDEL, OF KALAMAZOO, MICHIGAN.

LAMP-SHADE.

SPECIFICATION forming part of Letters Patent No. 228,024, dated May 25, 1880.

Application filed November 1, 1879.

To all whom it may concern:

Be it known that I, JAMES S. BEDEL, of Kalamazoo, in the county of Kalamazoo and State of Michigan, have invented a new and valuable Improvement in Lamp-Shades; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my improved lamp-shade, and Figs. 2 and 3 are details.

This invention has relation to improvements in lamp-shades.

The object of the invention is principally to devise a shade which will protect the eyes of several persons from the direct glare of the light without rendering those parts of a room at a distance from the lamp unduly somber and cheerless.

The nature of the invention will be fully set forth hereinafter.

In the annexed drawings, the letter A designates a base, of any desired shape or material, upon which is erected a metallic or wooden rod, B, of suitable length.

C indicates a vertically-sliding collar arranged on rod B, and adjusted to a higher or lower point thereon by means of a metallic spring, s, secured at one end to the said collar and bearing at the other against the said rod. The bearing end of this spring is curved to conform to the shape of the rod, and bears against it with sufficient force to hold the collar wherever it is adjusted; or I may use a set-screw for such adjustment. This collar is irregularly shaped at its outer edge, having a number of faces, (usually three,) and to these faces are pivoted to vibrate vertically the arms C' D G. These are usually made of wire or other suitable material, and terminate at their upper ends in the clips a, formed by bending the wire back upon itself, then bending the doubled part into the shape of a ring.

The clips a carry the disks J, which may be made of card-board, sheet metal, porcelain, or other suitable material, the said disks being inserted edgewise into the clips and adjustably secured thereby to the said arms.

The middle arm, C', is made of a single piece of wire, and is made to stand off from the rod by means of an elbow-bend, b; but the remaining arms D G are made in two sections, c c', elbow-jointed together at d. The section c is the shorter, and carries the clip in which the shading-disks are set.

In order to stiffen the lower sections of the arms D G, I employ, in connection with each of them, a bent truss-rod, e, secured at its ends to the corresponding ends of the arms. These arms D G are longer than the arm C'.

The operation is as follows: The stand is placed at the side of the lamp and the collar raised or lowered until the shade-disk of arm C' is in proper position relative to the flame of the light. The arms D G are then flexed upon their elbow-joints d until their disks are in proper position to throw their shadows in the desired direction. The shade is now ready for use, and by placing themselves in the shadow of the disks three persons may be shaded and their eyes protected from the direct rays of the light without rendering the more distant parts of the room unduly somber or cheerless.

This device may be conveniently used with any description of lamp or gas burner, and is a desirable attachment for all of them, being of paramount importance in a sick-room and for persons having weak eyes.

What I claim as new, and desire to secure by Letters Patent, is—

1. The lamp-shade consisting of the stand A B, the adjustable sliding collar C, the rigid arm C', the elbow-jointed rods D G, pivoted to the collar and provided with the clips a a, and the shade-disks J J, held by said clips, substantially as specified.

2. The combination, in a lamp-shade, with a support and a rigid vibrating arm, C', carrying a shade-disk, J, and attached to said support, of the elbow-jointed rods D G, each having a shade-disk, J, and pivoted to said support, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES S. BEDEL.

Witnesses:

WILLIAM SHAKESPEARE,
D. L. GREGORY.