

No. 819,068.

PATENTED MAY 1, 1906.

H. R. IVES.  
LIGHT FIXTURE.

APPLICATION FILED NOV. 25, 1904.

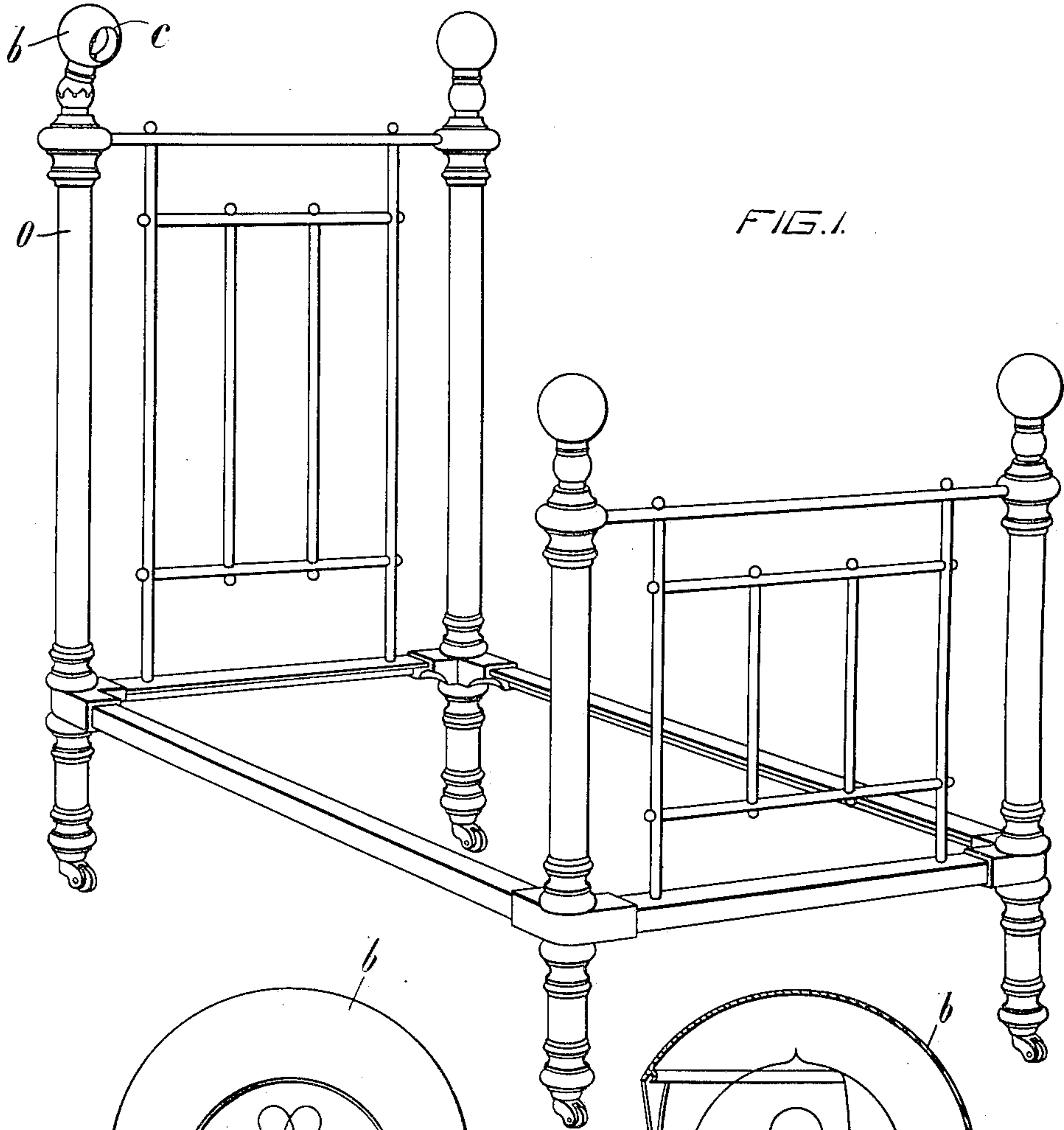


FIG. 1.

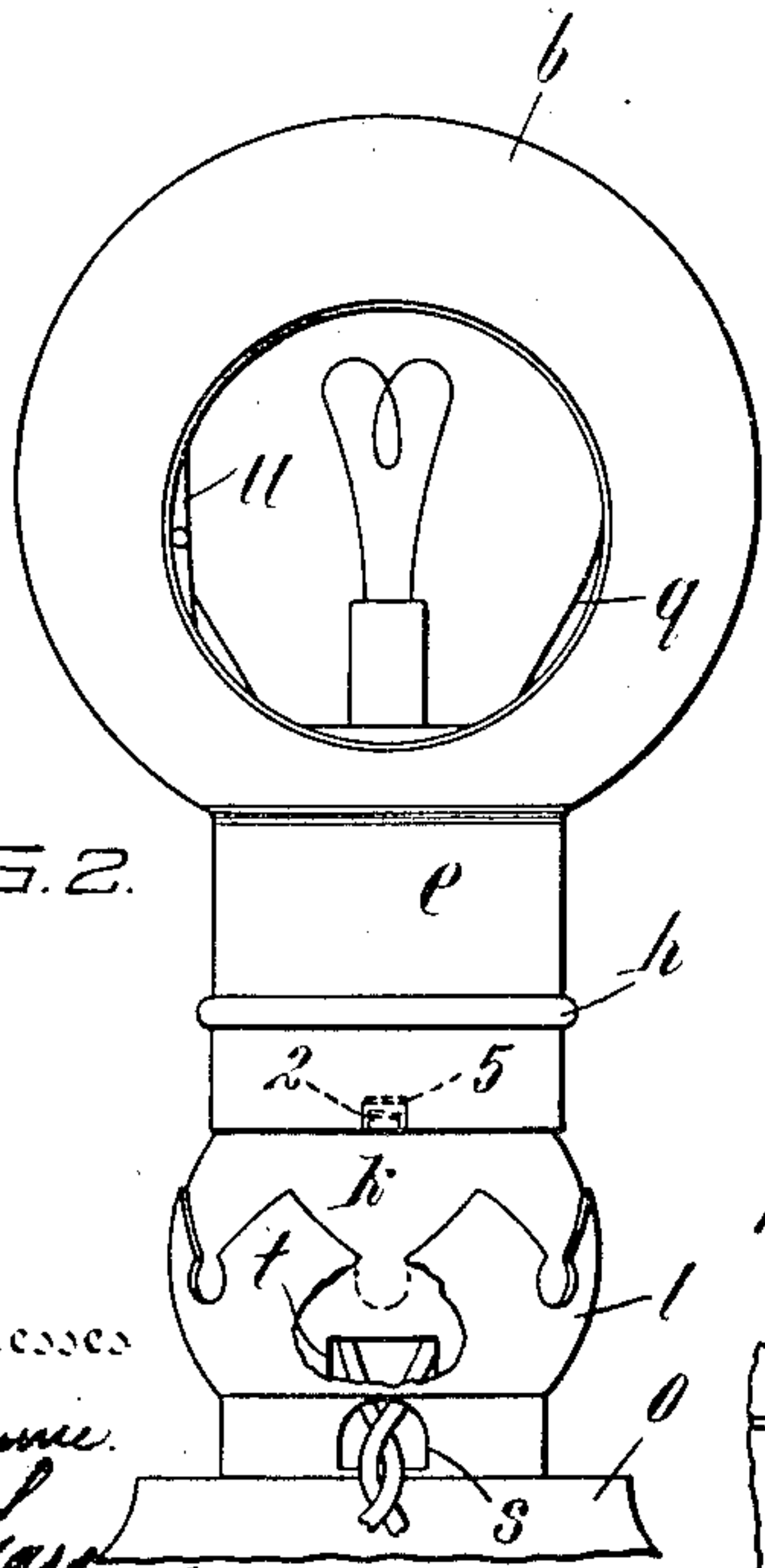


FIG. 2.

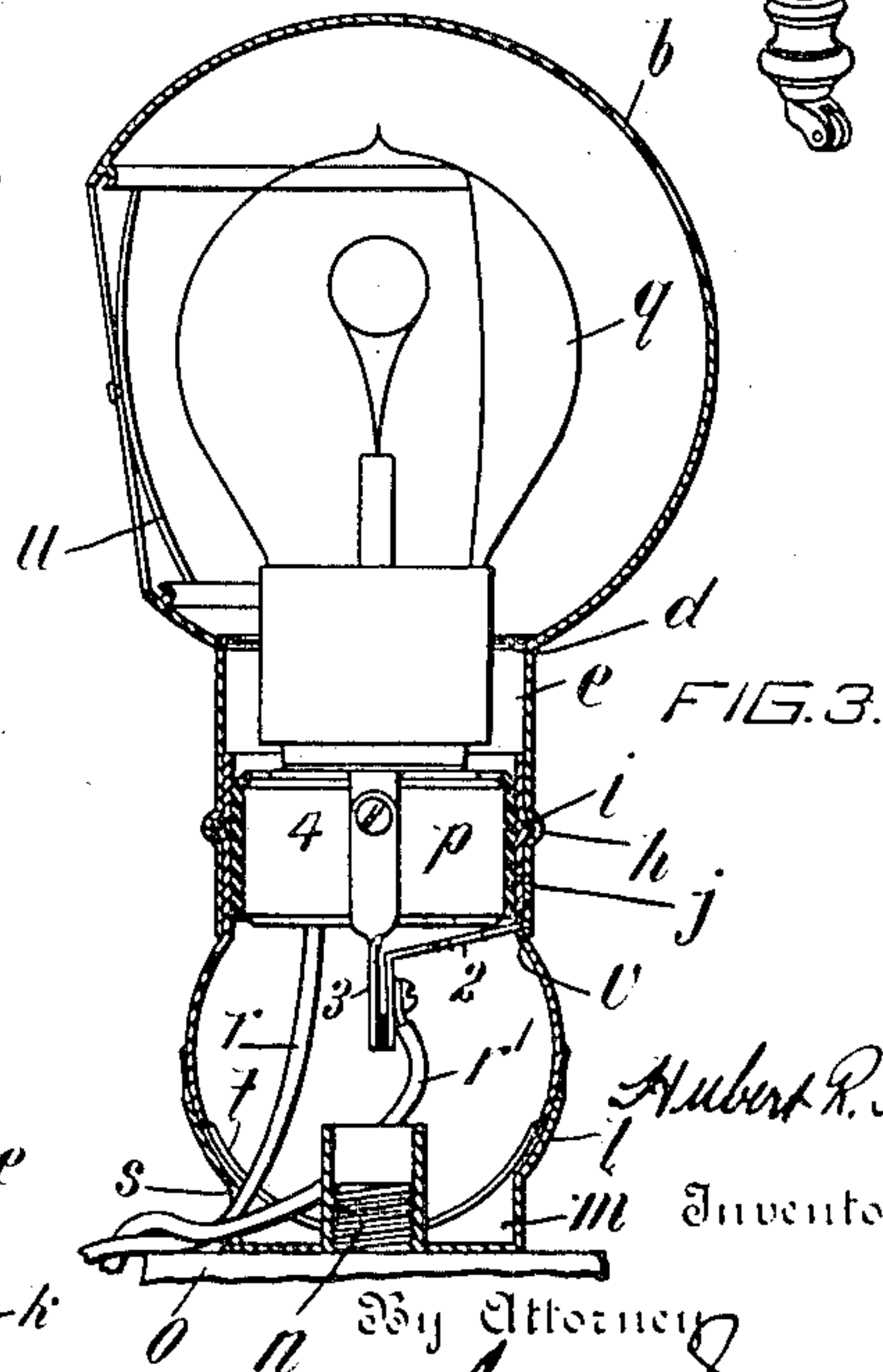


FIG. 3.

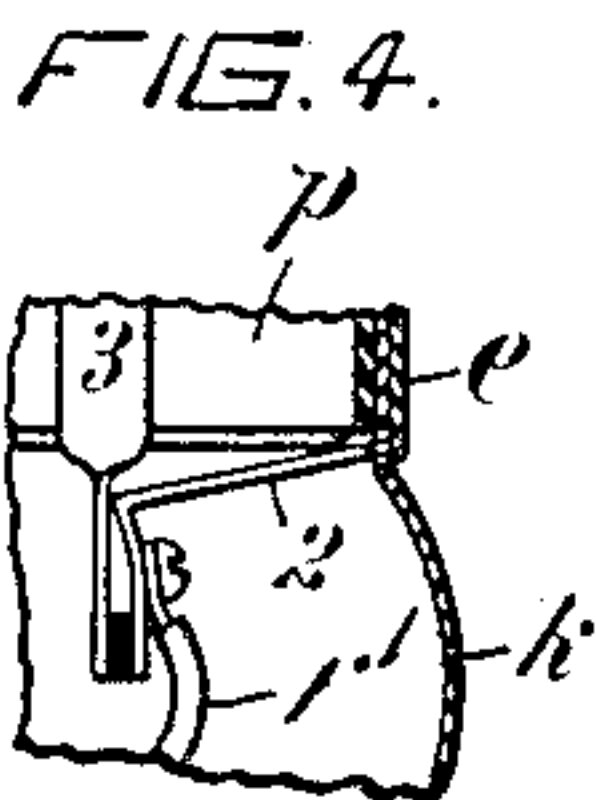


FIG. 4.

Witnesses  
Alex. C. Loomis  
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By Attorney  
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# UNITED STATES PATENT OFFICE.

HUBERT ROOT IVES, OF MONTREAL, CANADA.

## LIGHT-FIXTURE.

No. 819,068.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed November 25, 1904. Serial No. 234,201.

*To all whom it may concern:*

Be it known that I, HUBERT ROOT IVES, of the city of Montreal, Province of Quebec, Canada, have invented certain new and useful Improvements in Bedsteads; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention relates to the construction of metal bedsteads, and has for its object to so construct the post of a metal bedstead that the customary ornamental raised knob thereon can be utilized to contain an electric lamp; and to such an end the invention consists in attaching the ornamental knob (usually of hollow spherical form) to the post proper by means of a universal-joint connection instead of rigidly, as heretofore, and removing a section of the spherical body of the knob, so as to provide an opening through which the light from an incandescent electric lamp located within the knob can issue.

For full comprehension, however, of my invention reference must be had to the accompanying drawings, forming a part of this specification, in which similar reference characters indicate the same parts, and wherein—

Figure 1 is a perspective view of a bedstead, showing one of the head-posts constructed according to my invention. Fig. 2 is an elevation of the upper portion of a bedstead-post with my invention applied thereto. Fig. 3 is a longitudinal vertical sectional view thereof; and Fig. 4 is a detail view illustrating the switch with its parts in position closing the circuit.

In carrying out my invention I preserve the customary ornamental effect of the knobs on the bedstead-posts, while utilizing such knob not only as a carrier for an electric lamp, but also as a switch for cutting the lamp in and out of operation, the connection of the knob with the bedpost, instead of rigid, as formerly, being an adjustable and rotatable one, so that the bedstead-knob performs the triple function of ornament, lamp-carrier, and switch.

*b* is the hollow ornamental spherical knob of the bedpost, having an opening *c* in its side, preferably provided with a concavo-convex slide *u* to close such opening at times, and thus present the customary complete spherical form of the knob, and also having an opening *d* in the bottom surrounded by an annular neck portion *e*.

In order to adjustably connect the knob to the bedpost *o*, I use a ball-and-socket-joint

connection comprising a ball portion *k* and socket portion *l*, the former having an annular neck portion *j* rotatably fitted within the neck portion *e* of the knob and the two neck portions being held together by registering annular beads *h* and *i*, and the latter (the socket portion) being provided with a base *m*, perforated and tapped to allow of its being screwed upon the usual connecting-screw *n* of the bedpost.

Within the knob *b* I locate the incandescent electric lamp *q*, the necessary socket *p* and connections for which are preferably carried by the ball-and-socket portion, as will now be described. The lamp-socket *p* is secured in the neck *j* and carries two contact-strips connected by insulating material, one, 3, stationary and secured to one binding-post 4 of the socket and the other, 2, resilient and bent so that its end projects outward through an aperture *v* in the ball portion *k* to be acted upon by the neck portion of the knob *b* when rotated, the current being conveyed by wires *r* and *r'*, passing through an aperture *s* in the part *l* and a slot *t* in the part *k* and the switching operation being effected as follows: The neck *j* of the knob has a notch 5 in its edge, which when the lamp is to be cut out is located opposite the end of the contact-strip 2, thus allowing the latter to spring outward and away from contact 3, as shown in Fig. 3; but when the lamp is to be used the knob is turned sufficiently to move the notch beyond the end of the strip 2, and this latter is pressed inward by the rotating neck portion and caused to contact with the other strip 3, as shown in Fig. 4, thus closing the circuit through the wires *r* and *r'*, of which one, the last mentioned, is connected to the strip 2 and the other to a binding-post. (Not shown.)

It will be obvious from the foregoing that by constructing the knob of the bedpost as described and connecting it by a ball-and-socket joint to the post proper, as well as arranging for its rotation in order to act as a switch member, it is possible to utilize such knob not only as the customary ornament for the bedpost, but also as an adjustable carrier for an electric lamp, as a switch member thereof, and as a means of directing the light at different angles.

What I claim is as follows:

1. A metal bedstead having a hollow post with an opening in its side, an electric lamp with connections inclosed within such post



opposite the opening, and a part of said post movable to control the light from said lamp.

2. A metal bedstead one of the posts of which has the hollow spherical metal knob thereof formed with an opening in its side, adjustably connected with the post proper and adapted to contain an electric lamp, connections with a source of current, and said knob adapted to control such current, for the purpose set forth.

3. In a metal bedstead the combination with one of its posts having a socket at its upper end, of the hollow spherical metal knob of such post formed with an opening in its side the ball portion of a ball-and-socket joint secured to the bottom of said knob, and filling said socket, and the knob adapted to contain an electric lamp, for the purpose set forth.

4. In a metal bedstead the combination with one of its posts having a socket at its upper end, of the hollow spherical metal knob of such post formed with an opening in its side, the ball portion of a ball-and-socket joint secured to the bottom of said knob and filling said socket, a slide to close said opening, and an incandescent electric lamp located within said knob for the purpose set forth.

5. In a metal bedstead the combination with one of the posts having a socket at its upper end and a hollow ball-shaped member

fitting said socket to constitute a ball-and-socket joint and formed with an annular neck portion of the hollow spherical metal knob of such post formed with an opening in its side and provided with annular neck portion adapted to rotatably connect with the annular neck portion of said ball-shaped member, and an incandescent electric lamp located within said knob for the purpose set forth.

6. In a metal bedstead the combination with one of its posts having a socket at its upper end and a hollow ball-shaped member fitting said socket to constitute a ball-and-socket joint and formed with a cylindrical upper portion, of the hollow spherical metal knob of such post formed with an opening in its side and provided with an annular neck portion adapted to rotatably connect with the annular neck portion of said ball-shaped member, an incandescent electric lamp located within said knob, switch-contacts for said lamp and said knob adapted by rotation thereof to operate one of said contacts for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HUBERT ROOT IVES.

Witnesses:

WILLIAM P. McFEAT,  
FRED J. SEARS.