

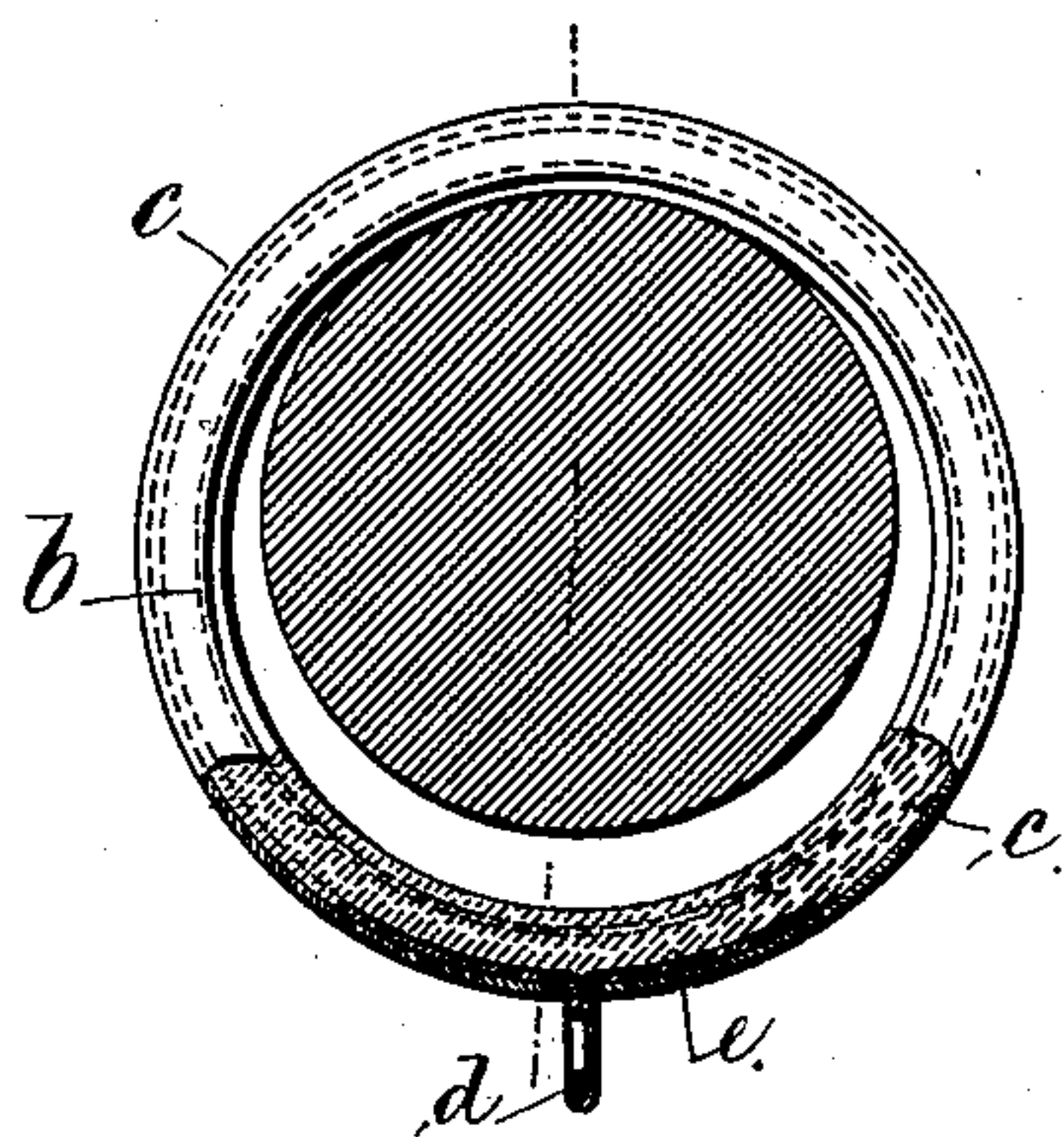
(No Model.)

T. HIPWELL.  
Curtain Ring.

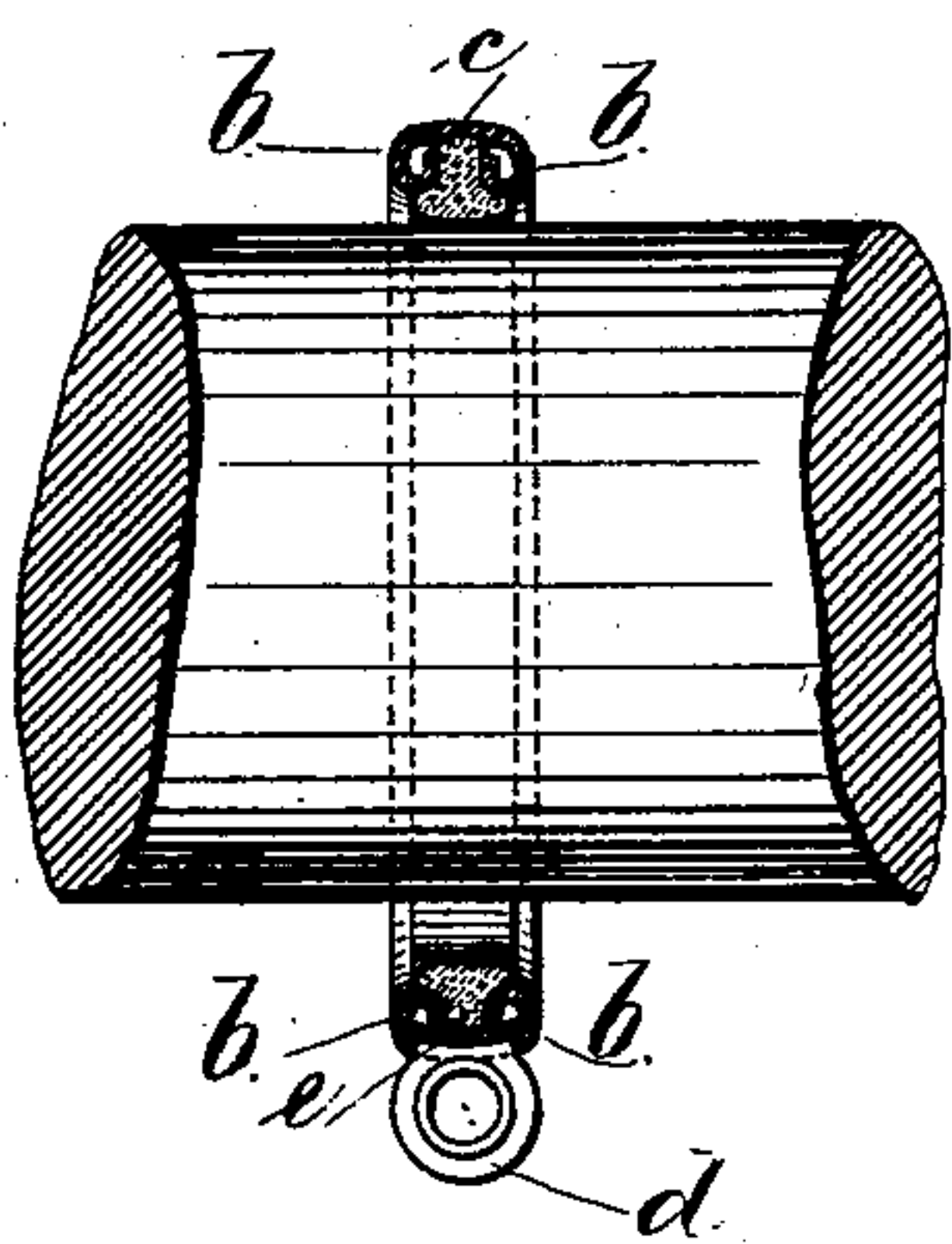
No. 243,559.

Patented June 28, 1881.

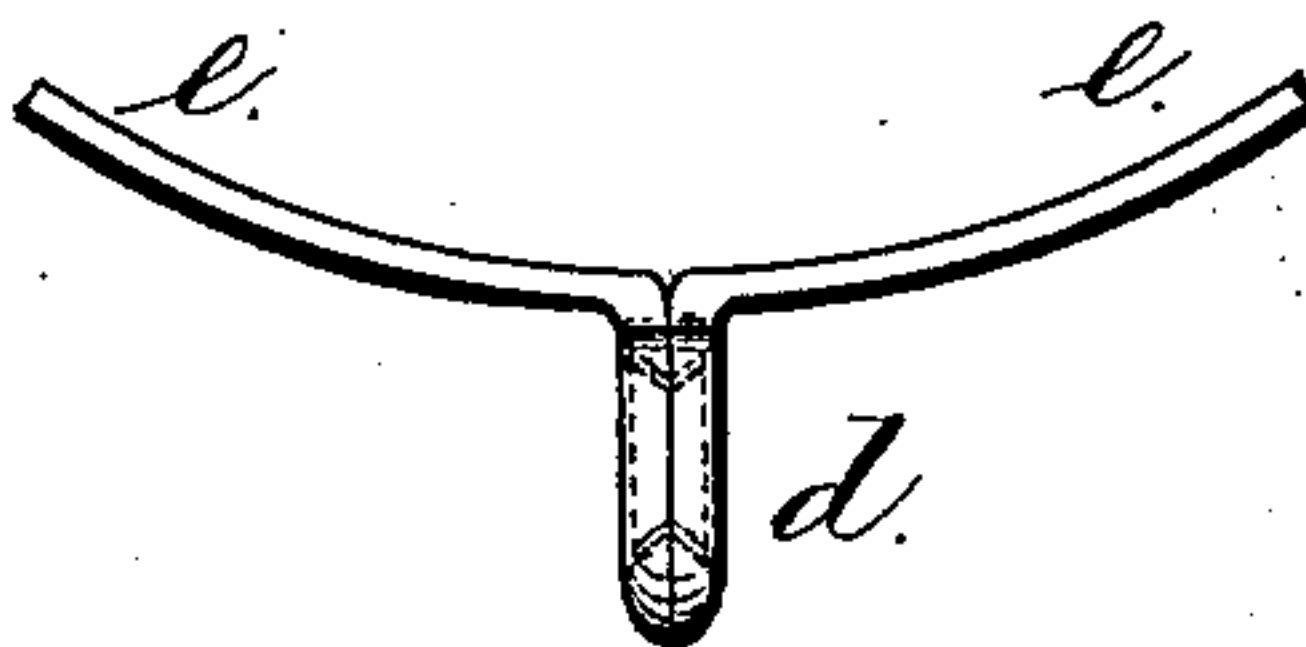
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses  
Harold Terrell  
J. Hail

Inventor  
Thomas Hipwell  
per Lemuel W. Terrell atty.

# UNITED STATES PATENT OFFICE.

THOMAS HIPWELL, OF NEW BRUNSWICK, NEW JERSEY, ASSIGNOR TO THE  
MANHATTAN BRASS COMPANY, OF NEW YORK, N. Y.

## CURTAIN-RING.

SPECIFICATION forming part of Letters Patent No. 243,559, dated June 28, 1881.

Application filed May 18, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS HIPWELL, of New Brunswick, in the county of Middlesex and State of New Jersey, have invented an  
5 Improvement in Curtain-Rings, of which the following is a specification.

Curtain-rings have been made of a flattened tube bent into a circle and the ends brazed together and a wire eye inserted into a hole, and  
10 a strip of metal with eyes at the ends has been bent into a ring shape, but it is not rigid, and the edges of the metal are visible.

My invention is made for lessening the cost of construction and for rendering the ring  
15 noiseless upon the curtain-pole.

In the drawings, Figure 1 is a side view of the ring, partially in section. Fig. 2 is a vertical section, and Fig. 3 is a detached view, of the suspending eye and arms.

20 The body of the ring is a strip of metal with its edges returned to form two hollow beads, the exterior of the ring being, by preference, convex or rounding between the beads. A strip of metal may be drawn through a die, to  
25 give to the same the sectional shape shown in Fig. 2, with the ribs *b b* and convex exterior *c*, and then rolled upon a cylinder or mandrel in the form of a close helix and the rings sawed apart; but it is generally preferable to take a  
30 piece of sheet metal of the proper size, bend it into the form of a ring, and submit it to pressure edgewise, between two dies that roll over the edges, into the aforesaid form at one operation. The eye and arms next described  
35 may be placed in the die so as to be retained within the ring as that is bent up by the dies.

The suspending-eye *d* is made of wire, or of a strip of metal with two arms, *e e*, that are adapted to pass into the hollow portion of the  
40 ring between the ribs *b b*, so that the eye *d* comes between the ends of the ring and pro-

jects downwardly for the curtain to be attached to it. The ends of the ring may be notched sufficiently to allow of the ring hanging from the arms without separating the abutting ends  
45 of the beads; and I remark that this eye and arms may be used with hollow tubular rings, and the parts may be soldered or brazed; but this is seldom desirable.

The ring is easily constructed, it is strong, 50 and the parts can be placed together easily when the ring is being bent up; or it may be sprung apart sufficiently for the ends of the arms to be passed into the hollow ends of the ring.

In order to render the ring noiseless, I introduce a lining of soft cord, or a strip of felt, or equivalent material, within the ring and between the beads *b b*, the same being suffi-  
55 ciently thick to rest upon the cornice-pole and prevent the contact therewith of the ribs *b b*. 60

I claim as my invention—

1. A cornice-ring made of a strip of sheet metal with the edges rolled over inwardly to form two hollow beads, one at each edge, and  
65 the ends of the strip abutting against each other, substantially as specified.

2. The combination, with a hollow sheet-metal cornice-ring, of a separate suspending ring or eye, with arms that pass into the hol-  
70 low end portions of the ring, substantially as set forth.

3. The combination, with a hollow sheet-metal cornice-ring having ribs *b b*, of the lining of cord or other soft or noiseless material, 75 substantially as set forth.

Signed by me this 12th day of May, A. D. 1881.

THOMAS HIPWELL.

Witnesses:

E. STEPHENSON,  
W. S. BECKLEY.