

(No Model.)

J. MUNGER.  
CURTAIN POLE JOINT.

No. 333,476.

Patented Dec. 29, 1885.

Fig. 1.

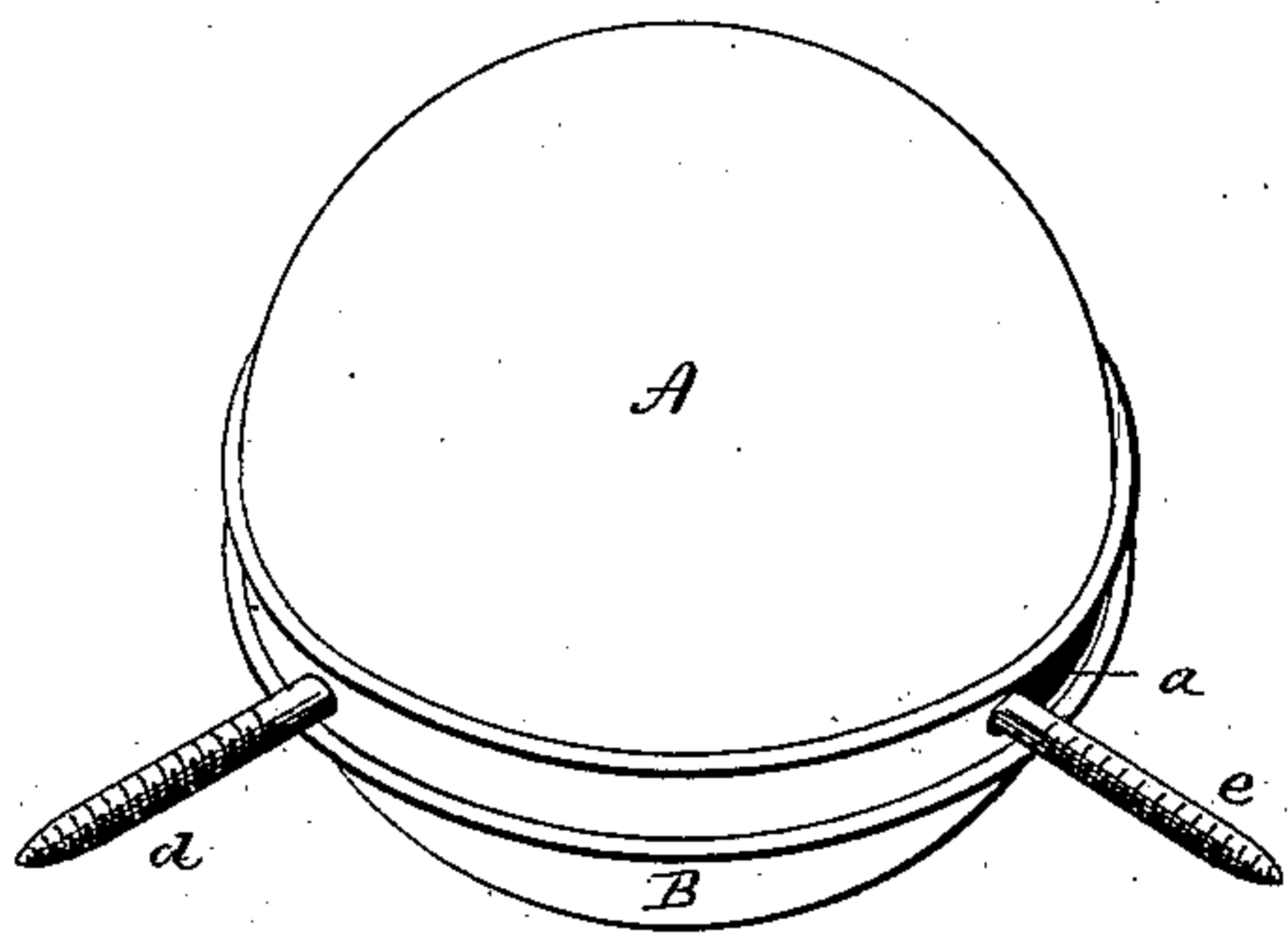


Fig. 2.

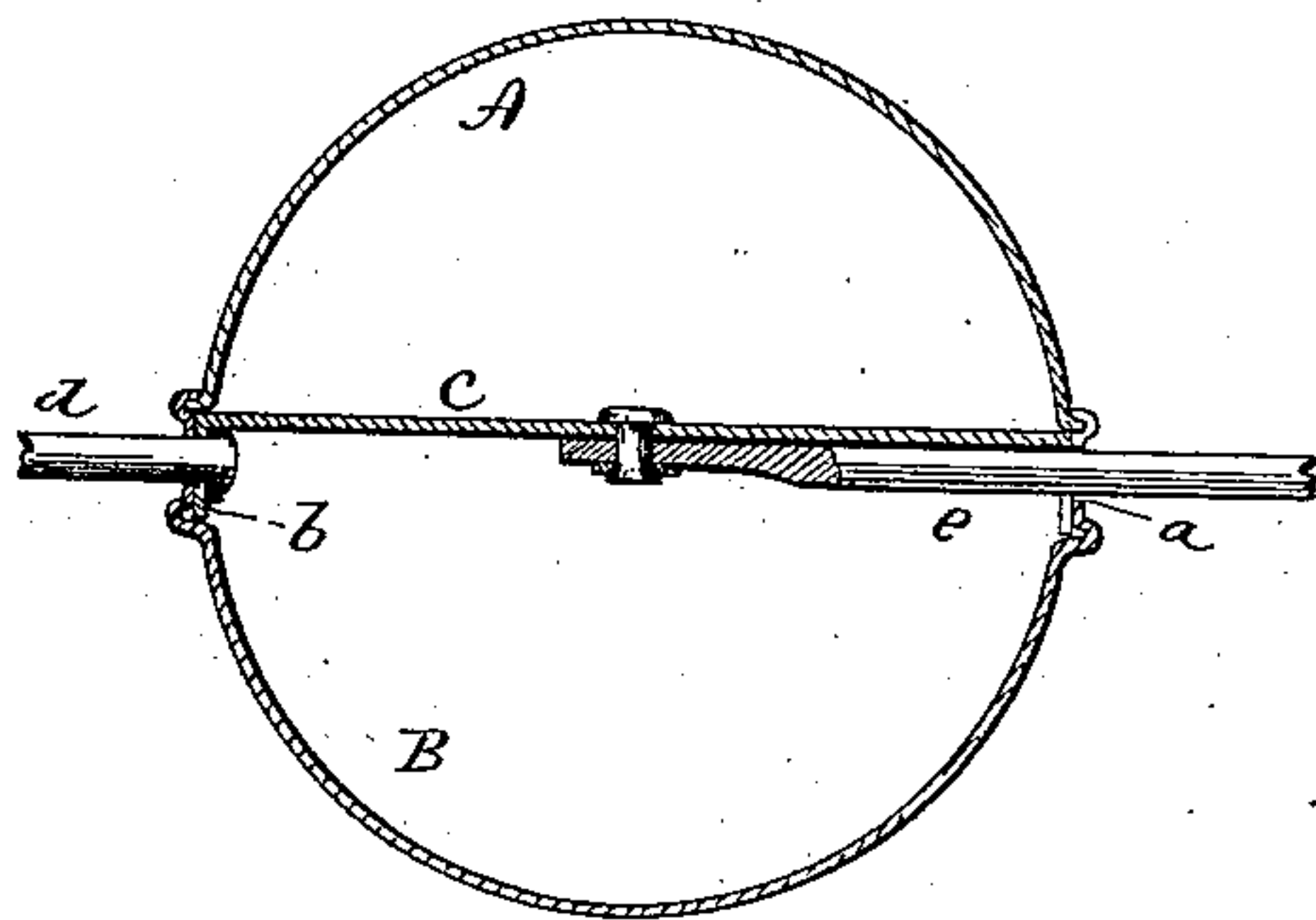


Fig. 3.

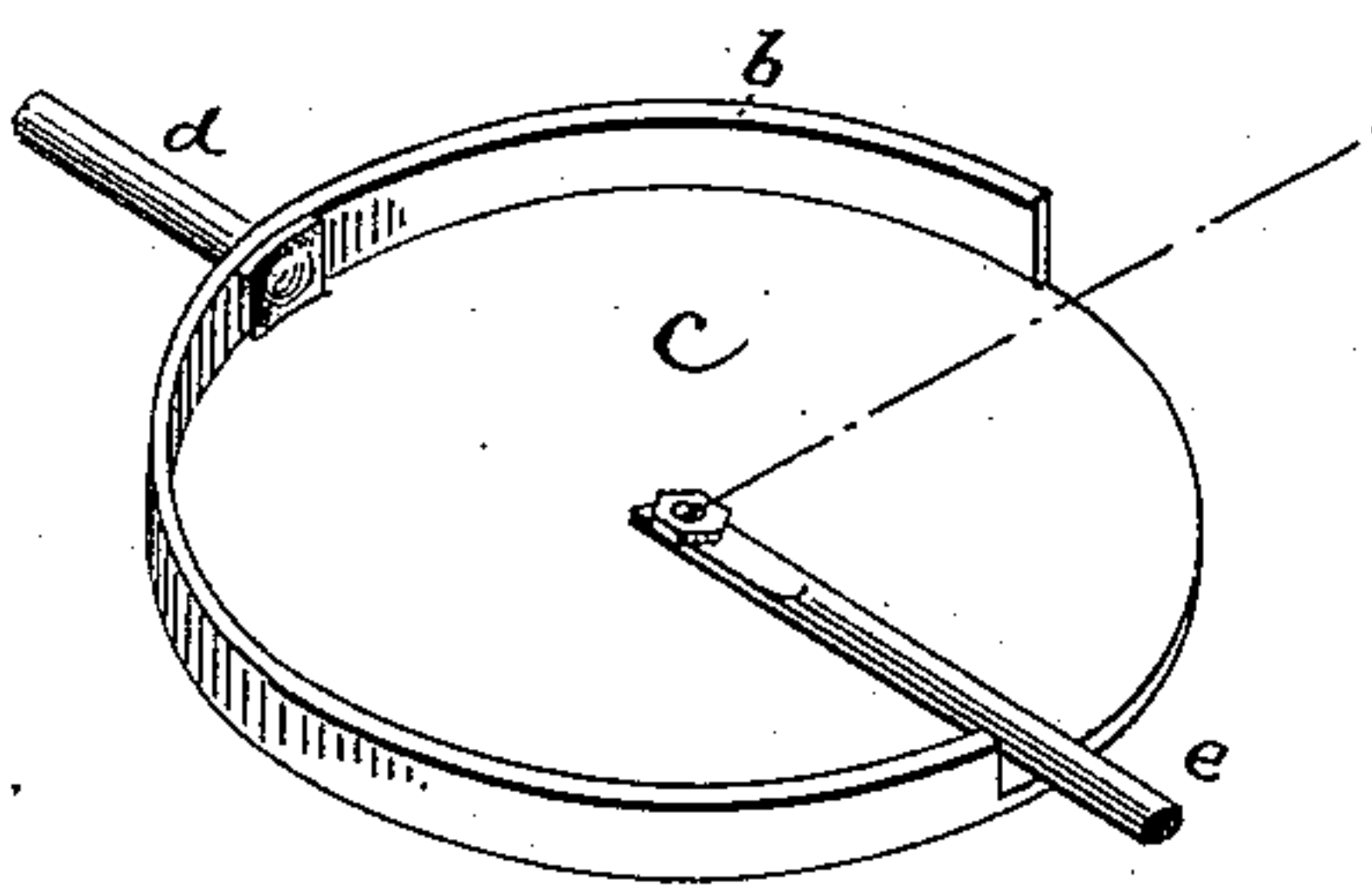
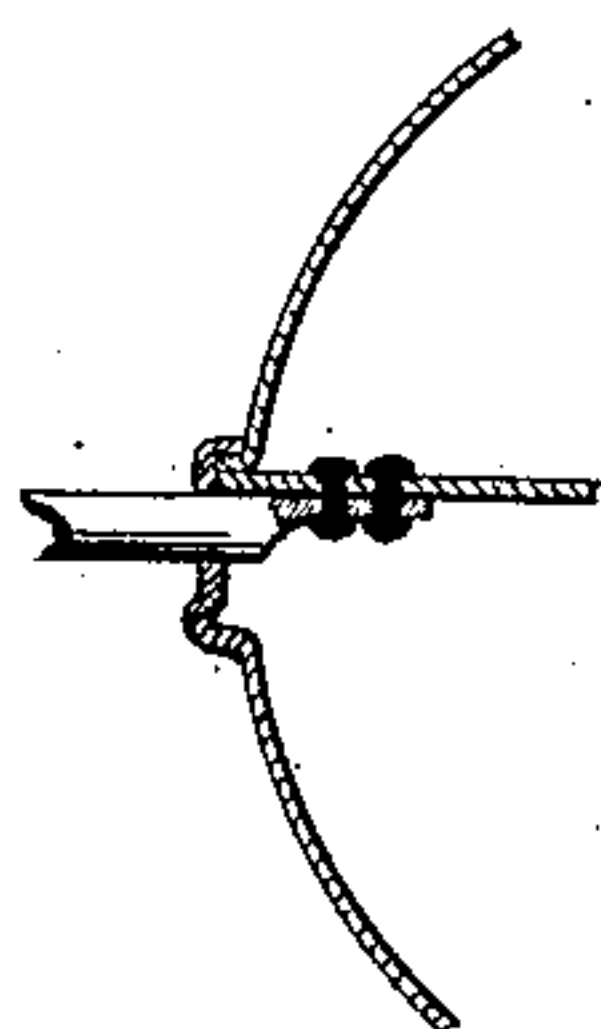


Fig. 4.



Witnesses.

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# UNITED STATES PATENT OFFICE.

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## CURTAIN-POLE JOINT.

SPECIFICATION forming part of Letters Patent No. 333,476, dated December 29, 1885.

Application filed November 16, 1885. Serial No. 182,925. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH MUNGER, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new  
5 Improvement in Curtain-Pole Joints; and I do hereby declare the following, when taken in connection with accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of  
10 the same, and which said drawings constitute part of this specification, and represent, in--

Figure 1, a perspective view; Fig. 2, a vertical central section; Fig. 3, a perspective view of the plate and shanks detached; Fig. 4, a  
15 modification in construction of the plate and shanks.

This invention relates to an improvement in the connection between the parts of the pole employed over windows from which curtains are suspended, and are commonly called  
20 "curtain-pole joints," and is an improvement on the invention for which Letters Patent of the United States, No. 327,834, were granted October 6, 1885, to the assignees in  
25 this application. That invention consisted in a shell, substantially circular in horizontal section, having a screw fixed at one point, projecting radially therefrom and in the plane of the said horizontal section, and also constructed with a circumferential slot extending  
30 partially around said shell opposite the fixed screw and in the said horizontal plane, combined with a ring within said shell, having a second screw rigidly fixed to it and projecting radially therefrom through said circumferential slot and in the same plane as the  
35 other screw fixed to the shell. In such construction the shell and ring are necessarily made from light metal, and form a very slight  
40 support for the screw.

The object of this invention is to avoid this difficulty; and it consists in the construction, as hereinafter described, and particularly recited in the claims.

45 A represents the one part of the shell, and B the other part, which together form a hollow shell, preferably of spherical shape. The said part B is constructed with a circumferential slot, *a*.

50 Within the part B a plate, C, is rigidly fixed in the plane of one edge of the slot *a*,

and is constructed with a rim, *b*, the said rim cut away for a distance corresponding to the length of the slot *a*.

On the rim *b* and opposite the slot a screw or equivalent shank, *d*, is fixed, projecting radially through the shell, and in a plane parallel with the plate C.

To the center of the plate C is pivoted a second shank or screw, *e*, which extends radially through the slot *a* in the same plane as the fixed shank *d*, and is adapted to swing upon its pivot through said slot, so that the poles, when secured to the shanks, may be  
6 turned to any desired angle to each other, but held in the same plane.

The rim *b* may be omitted and the shank *d* secured to the plate C, as shown in Fig. 4.

The plate C may be constructed from any strong material, as iron, and as it supports  
7 the shanks independent of the shell, the shell may be of very light material and of any desired form, it serving only as a cover and ornament for the joint.

I claim--

1. The herein-described curtain-pole joint,  
7 consisting of a shell constructed with a circumferential slot, and a plate, C, rigidly fixed within said shell in a plane parallel with the said slot, and constructed with a rim, said  
8 rim cut away corresponding to the length of the slot, combined with one shank fixed to said rim and projecting radially through the shell in a plane parallel to the plane of the plate, and a second shank pivoted to the said  
85 plate and extending radially through the slot in the same plane as the fixed shank, substantially as described.

2. A curtain-pole joint consisting of a shell constructed with a circumferential slot and a  
90 plate, C, rigidly fixed within said shell in a plane parallel with said slot, combined with one shank fixed to said plate and projecting radially through the shell in a plane parallel to the plane of the plate, and a second shank  
95 pivoted to the said plate and extending radially through the slot in the same plane as the fixed shank, substantially as described.

JOSEPH MUNGER.

Witnesses:

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