

(No Model.)

D. E. LADD & E. J. B. WHITAKER.

SHOW CASE.

No. 293,582.

Patented Feb. 12, 1884.

Fig. 1.

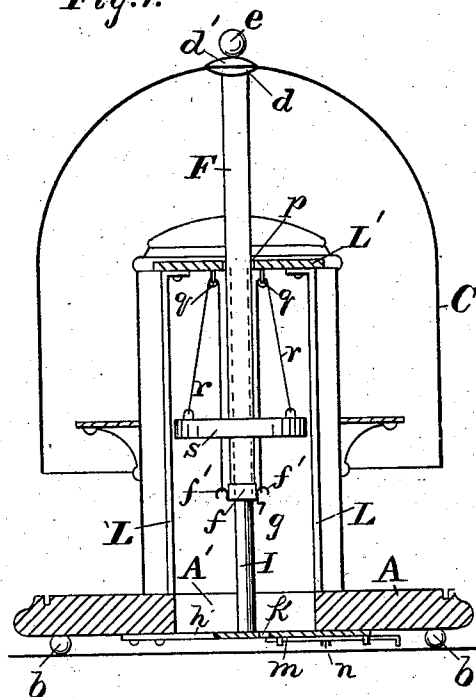


Fig. 2.

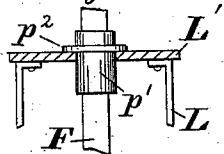


Fig. 3.

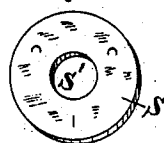


Fig. 4.

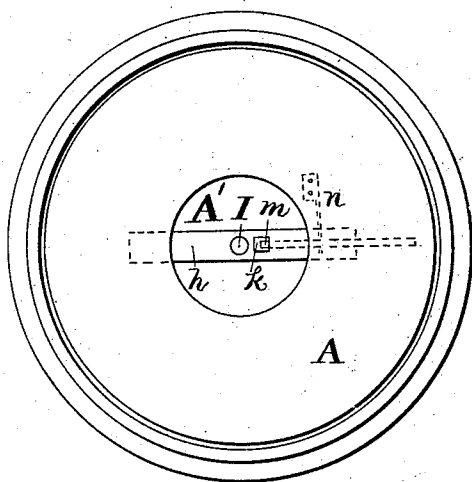
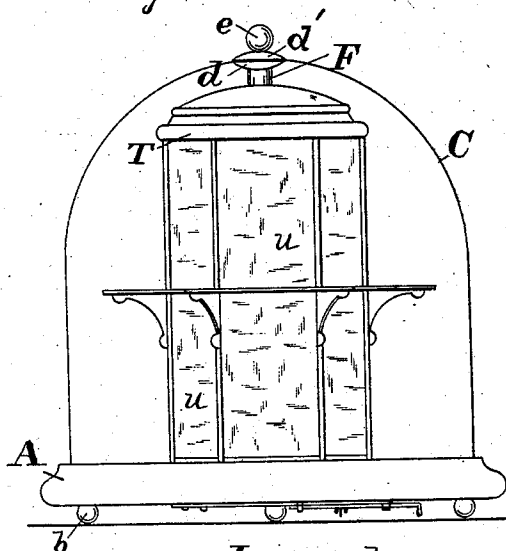


Fig. 5.



Witnesses:

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# UNITED STATES PATENT OFFICE.

DANIEL E. LADD AND ELIJAH J. B. WHITAKER, OF BALTIMORE, MARYLAND;  
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## SHOW-CASE.

SPECIFICATION forming part of Letters Patent No. 293,582, dated February 12, 1884.

Application filed August 2, 1882. Renewed December 20, 1883. (No model.)

*To all whom it may concern:*

Be it known that we, DANIEL E. LADD and ELIJAH J. B. WHITAKER, citizens of the United States of America, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Show-Cases, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to certain improvements in show-cases, and the same will first be described, and then designated in the claims.

In the drawings hereto annexed, Figure 1 is a vertical section of the show-case. Fig. 2 shows a modification by which the rod I may be dispensed with. Fig. 3 is a view of the weight. Fig. 4 is a plan view of the base. Fig. 5 is a side view of the show-case.

The letter A designates the base, made of wood or metal, having a circular form, and supported upon feet *b*, which sustain it at a slight elevation. C designates a blown-glass shade of semi-ovoidal form, which constitutes both case and cover. Plates *d* and *d'* are secured, inside and outside, at the top of the glass shade, substantially in the manner set forth in United States Letters Patent No. 255,388, granted Daniel E. Ladd, March 21, 1882.

A knob or handle, *e*, is secured to the outside plate. A tube, F, is secured in any suitable manner by one end to the inside top plate and depends vertically within the center of the glass shade, and serves to support the same. The lower end of the tube has a collar, *f*, to which two or more hooks, *f'*, are secured.

An angular catch, *g*, is also secured to the collar. The base A has a central opening, A', across which, on the lower side, a bar, *h*, is secured. A rod, I, is secured by one end to

this bar and stands vertically from the center of the base, and is of size to freely enter the tube F, and serves as a guide, up and down on which the tube slides. A hole, *k*, in the bar admits the passage of the catch *g* on the collar of the tube, and a latch-bar, *m*, on the lower side of the bar *h* engages with the catch, and thereby holds the tube and glass shade down. This latch-bar is kept normally in position to be in contact with the catch by a spring, *n*.

Three or four standards, L, are secured upon the base about the central opening, A', and

their upper ends are attached to a cap-piece, L'. A hole, *p*, in the center of the cap-piece permits the tube to pass freely, and thereby the cap-piece serves as a lateral stay for the vertically-sliding tube. Upon the lower side of the cap-piece are two or more pulleys, *q*. A cord, *r*, is secured to each of the hooks *f'* on the collar of the tube, and thence passes up and over a pulley and then down, and is attached to a weight. Each of these several cords may be attached to a separate weight; or, as in the present example, all the cords may be attached to a single weight, *s*, which is ring-shaped. The central opening, *s'*, of the weight affords room for the tube and rod. The gravity of the weight may exactly counterpoise that of the glass shade, in which case the shade may be raised and lowered by grasping the knob or handle *e*, and sustained at any position; or the gravity of the weight may be sufficiently in excess of that of the glass shade to cause the latter to run up when the latch-bar *m* is disengaged from the catch *g*.

The glass shade, which constitutes the walls and top, or, in other words, is both case and cover, is sustained upon the vertical support F, and is thereby raised and lowered. While the rod I serves as a guide for the tube, and prevents the latter from canting, it is not absolutely essential, as the cap-piece L' may be so made as to serve efficiently as a guide.

Fig. 2 shows the cap-piece, provided with a collar, *p'*, fitted in the hole *p*. This collar is secured rigidly by a flange, *p''*, and the tube F moves through the collar, the latter acting as a guide to prevent the tube from tilting or canting. Considered thus (that is, if the rod I were dispensed with) the support F may be merely a rod and not necessarily a tube; but the support must be a tube only when a rod, I, is used. The support F, cord, and weights are inclosed by a case, T, whose sides are provided with panels containing glass mirrors *u*. As these mirrors constitute a background, all articles which may be inclosed within the show-case cover are reflected, thereby producing a beautiful effect.

Having described our invention, we claim and desire to secure by Letters Patent of the United States—

1. The combination, with a show-case cover

having a vertical support rigidly attached to and depending from the center of the cover, adapted to move vertically, of a cap-piece, L, serving as a guide for the support, standards  
5 to sustain the cap-piece, and cords and weights to counterpoise the show-case cover, as set forth.

2. The combination, with the show-case cover C, having a vertical support on which  
10 the same is sustained, provided with a catch, g, of a cap-piece, L', through which the verti-

cal support may move freely, standards to sustain the cap-piece, cords and weights to counterpoise the show-case cover, and a latch-bar to engage with the catch, as set forth. 15

In testimony whereof we affix our signatures in presence of two witnesses.

DANIEL E. LADD.

ELIJAH J. B. WHITAKER.

Witnesses:

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