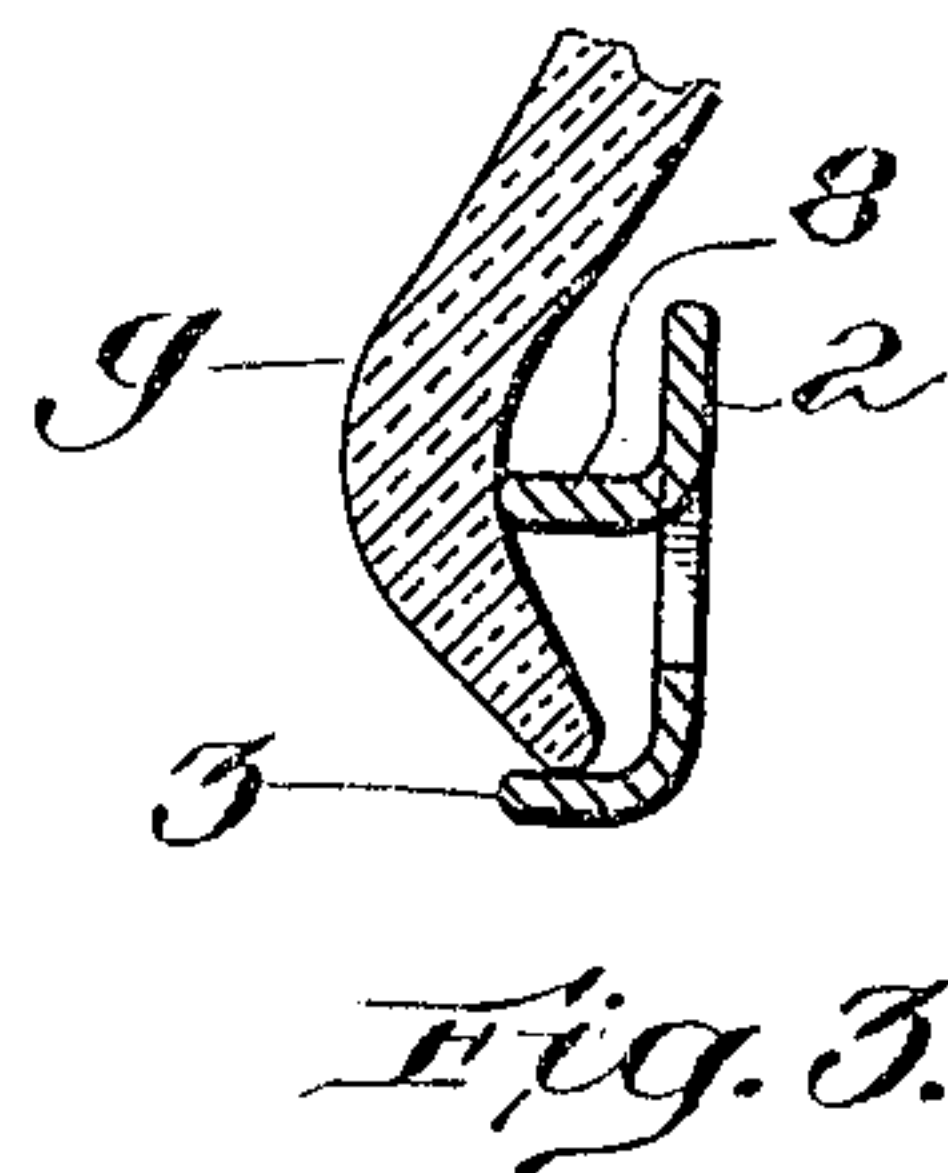
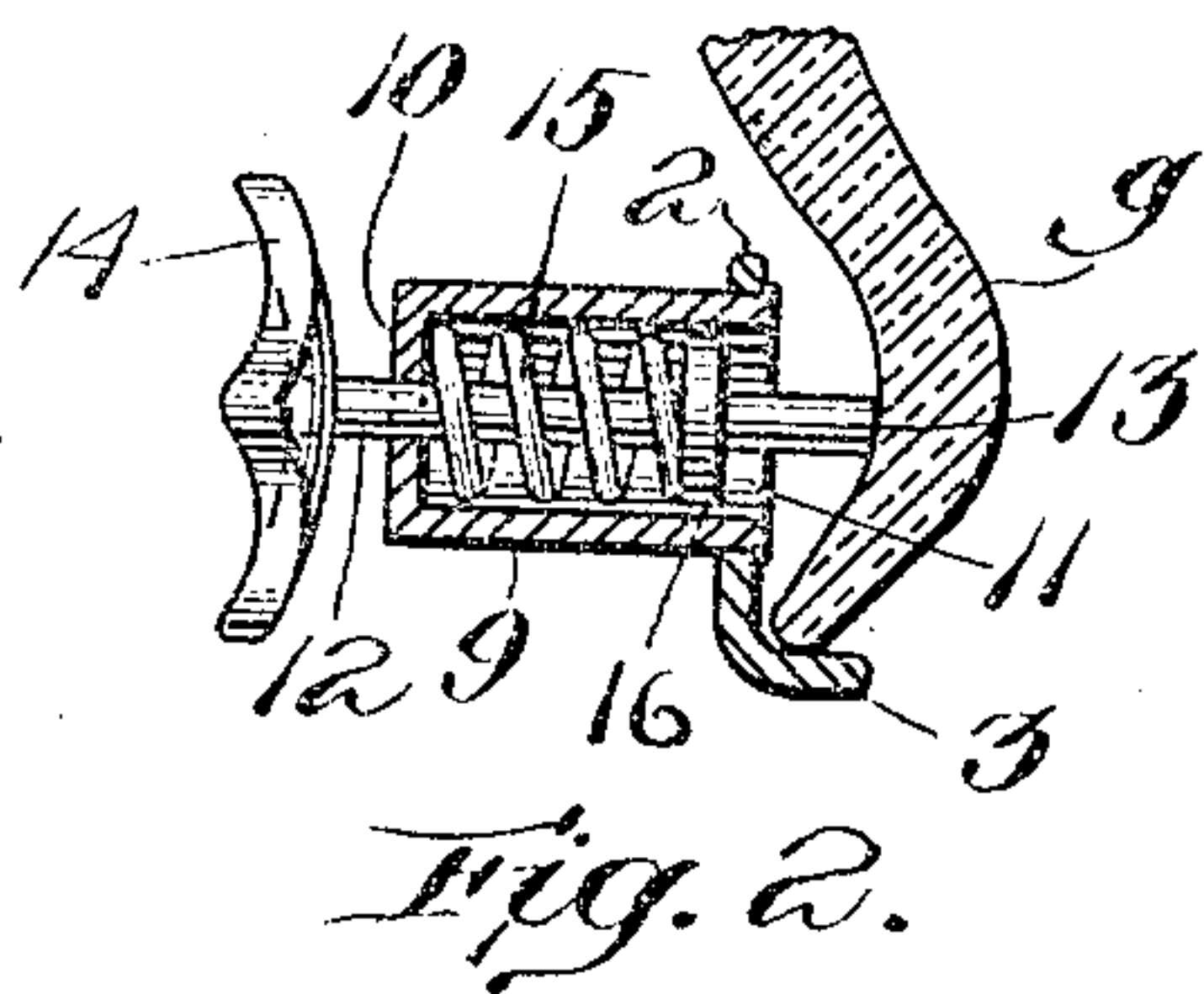
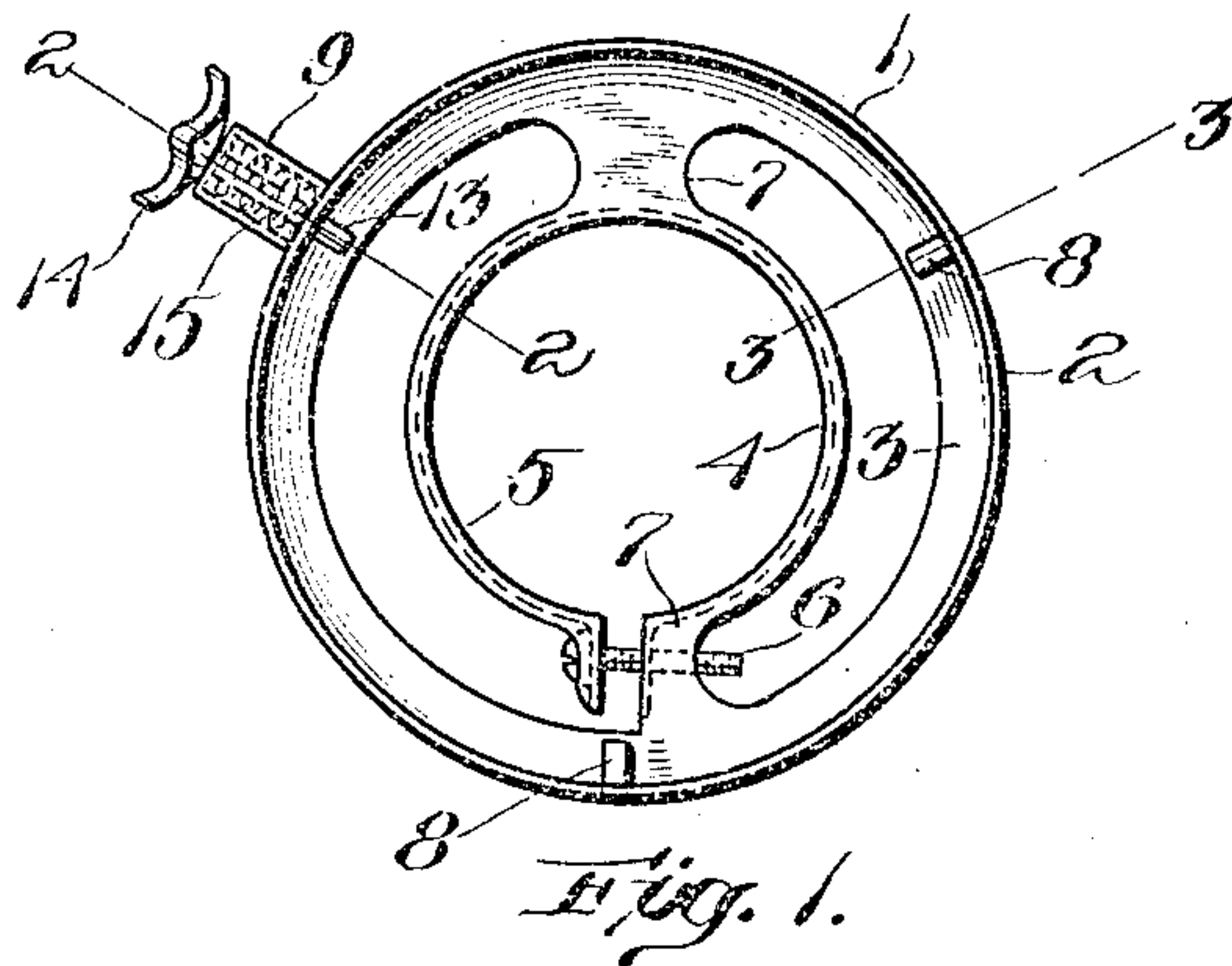


No. 843,122.

PATENTED FEB. 5, 1907.

R. THORNER.  
SHADE HOLDER.  
APPLICATION FILED JAN. 15, 1906.



Witnesses:  
Arthur F. Randall  
M. A. Jones.

Inventor:  
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by Geo. S. Maxwell,  
Attorney.



# UNITED STATES PATENT OFFICE.

ROBERT THORNER, OF BOSTON, MASSACHUSETTS.

## SHADE-HOLDER.

No. 843,122.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed January 15, 1906. Serial No. 296,088.

*To all whom it may concern:*

Be it known that I, ROBERT THORNER, a citizen of the United States, residing at Boston, in the county of Suffolk and Commonwealth of Massachusetts, have invented an Improvement in Shade-Holders, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My invention is an improvement in shade-holders for facilitating placing shades or globes in retained position on a usual electric or gas bracket and the like.

I provide one or more fixed rigid clips or retaining-lugs struck out from the rim of the holder and an opposite spring-held plunger provided at its outer end with a thumb-nut by which it may be pulled longitudinally approximately even with the rim, so as to permit the shade to be dropped readily into place, and then upon being let go the plunger will spring forward into firm holding engagement with the flange of the globe or shade.

I am aware that various devices have been previously suggested for accomplishing this purpose, some of them employing fixed lugs and a cooperating spring-lug, but either being expensive to make, difficult to operate, or liable to get out of order, and accordingly my invention aims to remedy these objections by providing a barrel containing a coil-spring and centrally-arranged plunger and thumb-piece so constructed and arranged opposite the before-mentioned lugs that extreme holding rigidity and easy cooperation are secured, together with economy of manufacture, neatness of appearance, and durability under the trying conditions of use.

In the accompanying drawings, Figure 1 is a top plan view of the preferred embodiment of my invention. Figs. 2 and 3 are transverse sectional views taken, respectively, on the lines 2 2 and 3 3 of Fig. 1, showing the rim portion of a glass globe in retained position.

It will be understood that the general form of the holder 1 may be of any usual kind, comprising an outer vertical flange 2, horizontal base or ledge 3, centrally-clamping band 4, herein shown as having a spring end 5, secured by a thumb-screw 6, said parts 3 and 4 being connected by braces 7.

In the rim or flange 2 I strike up one or more rigid lugs or internal projections 8, being preferably connected to the top edge of

the rim 2 and bent inwardly and upwardly for giving the greatest strength and economy of metal, labor, &c. For ordinary purposes there will be two of these lugs 8. Opposite thereto I provide a barrel 9, projecting rigidly from the flange 2 horizontal or approximately parallel to the base 3. This barrel has a closed outer end 10 and open inner end 11, said end 10 being perforated to receive and provide a bearing for the stem 12 of a plunger 13, whose inner end projects normally over the ledge 3 and whose outer end is provided with a thumb-nut or head 14, by which said plunger may be retracted. A spring 15 is contained within the barrel 9 and rests at one end against the end 10 of the barrel and at the other end against an annular shoulder 16, fast on the plunger 13. The shoulder 16 serves to hold the spring and also to close the open end of the barrel 11 and maintain the plunger rigidly in horizontal position. This construction is such that very little heat is transmitted to the spring, and hence the latter is not liable to lose its temper or give out. Also the long bearing of the plunger 13 having a bearing at its outer end and another at its inner end, as clearly shown in Fig. 2, prevents the liability of bending or springing out under the strain of the globe *g* in case the latter was suddenly pushed or tipped, and the construction is inexpensive.

In use the globe *g* is caught under the two lugs 8, as shown in Fig. 3, and then the head 14 of the plunger is pulled back, permitting the opposite edge of the globe to drop into the position shown in Fig. 2, whereupon the plunger is released and immediately springs forward into locking engagement with the globe.

I am aware that spring devices have been heretofore employed, and therefore do not claim the same broadly.

Having described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A shade-holder, having a vertical flange and horizontal supporting-ledge, said vertical flange being provided with holding-lugs extending inwardly approximately parallel to said ledge, and a spring-held retainer opposite said lugs supported horizontally above said ledge and consisting of a barrel fixed immovably on said vertical flange, and a plunger extending through said barrel and projecting at both ends of the barrel, being centrally supported therein adjacent the oppo-



site ends thereof, a spring within said barrel, surrounding said plunger, arranged to maintain the latter normally projected inwardly, the inner end of the plunger being adapted to  
5 engage the shade yieldingly, and the outer end of the plunger having an external head for retracting the same, said plunger being freely movable longitudinally by pulling on said head for outward movement.

10 2. A shade-holder, having a vertical flange and horizontal supporting-ledge, said vertical flange being provided with holding-lugs struck out from the metal of said flange and bent inwardly and upwardly approximately  
15 parallel to said ledge, and a retainer opposite said lugs, consisting of a barrel extending rigidly and immovably outwardly from said flange, said barrel having a closed outer end and an open inner end, a plunger journaled

centrally in said closed end and provided 20 with an annular guide-flange adjacent said closed end, a coiled spring between said flange and said closed end, and said plunger projecting inwardly beyond the vertical flange parallel to said ledge and projecting 25 outwardly beyond the barrel; being provided on its outer projecting end with a retracting-head by which the plunger may be pulled longitudinally against the inward strain of the spring to release the shade. 30

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

ROBERT THORNER.

Witnesses:

GEO. H. MAXWELL,  
M. A. JONES.