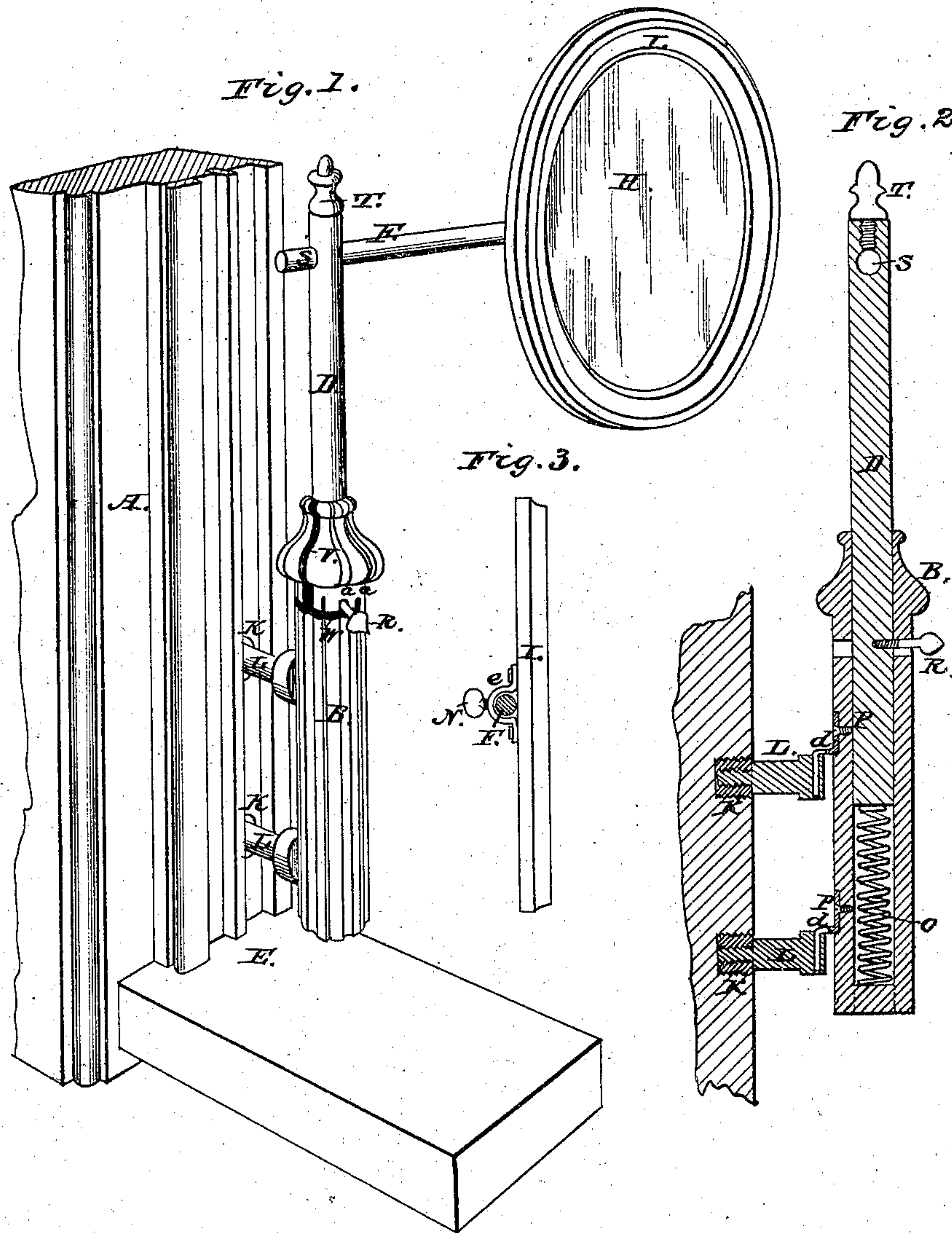


*F. Brown,*

*Mirror,*

*Nº 66,458,*

*Patented July 9, 1867.*



*Witnesses:*  
*H. F. Everts.*  
*Geo. Cary.*

*Inventor.*  
*Frederick Brown.*

# United States Patent Office.

FREDERICK BROWN, OF DETROIT, MICHIGAN.

*Letters Patent No. 66,458, dated July 9, 1867.*

## IMPROVED MEANS FOR HANGING MIRRORS.

The Schedule referred to in these Letters Patent and making part of the same.

### TO WHOM IT MAY CONCERN:

Be it known that I, FREDERICK BROWN, of the city of Detroit, in the county of Wayne, and State of Michigan, have invented a new and useful Method of Hanging Reflecting Mirrors; and I do declare that the following is an accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, being a part of this specification.

Figure 1 is a representation of the front of the apparatus, and shows the mode of attaching it to a window.

Figure 2 is a transverse sectional view of the standard and its attachments.

Figure 3 is a side view of the mirror or reflector, and shows the mode of attaching it to the rod.

The same letters in each figure refer to similar parts.

A represents a window-frame, and E a window-bench. Near the bottom of the frame A I insert hollow screws K K, into which I insert other screws L L provided with slots in the head, as at *d d*. I then make a hollow standard, B, into the bottom of which I place a spiral spring, O. To this hollow standard B I attach hooks P P, which hook into the slots *d d*. I then use the stem D, which is made to work and fit into the hollow standard B. This stem D rests at the bottom upon the top of the spiral spring O, when it is inserted into the hollow standard B, and is fitted with a thumb-screw, R, which, when the stem D is inserted into the hollow standard B, passes through the opening V and revolves in the slot W. This thumb-screw acts as a stop to hold the reflector at any desired angle by raising into the gains *a a*, where it is firmly held by the pressure of the spiral spring O. Near the top of the stem D I make a hole, S, into which I insert the arm F. Upon this arm F I hang the reflector H, (enclosed in the frame I,) by means of one or more staples *e*. N is a thumb-screw passing through the staple *e* to tighten the reflector upon the arm F. T is another thumb-screw inserted into the top of the stem D to firmly hold the arm F in place.

It will be seen by my arrangement, as above described, that the whole apparatus can be readily attached or detached at any place when it is desirable to use a reflector. The design is to place it outside of a window to enable those persons inside the room to obtain a view of what is passing in the street without the necessity of exposing themselves. By using the same device on the opposite side of the window-frame a view may be had from opposite directions.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The hollow standard B, with the opening V, the slot W, and the spiral spring O; the stem D, with the set-screw T, and the arm F, arranged substantially as and for the purpose specified.

2. The combination and arrangement of the hollow standard B, the stem D, the arm F, the mirror or reflector H, the spiral spring O, the hollow screws K K, the screws L L provided with the slots *d d*, the thumb-screws N R T, the hooks P P, the opening V, the slot W, and the gains *a a*, all arranged substantially as described for the purposes specified.

FREDERICK BROWN.

Witnesses:

THOS. S. SPRAGUE,  
H. F. EBERTS.