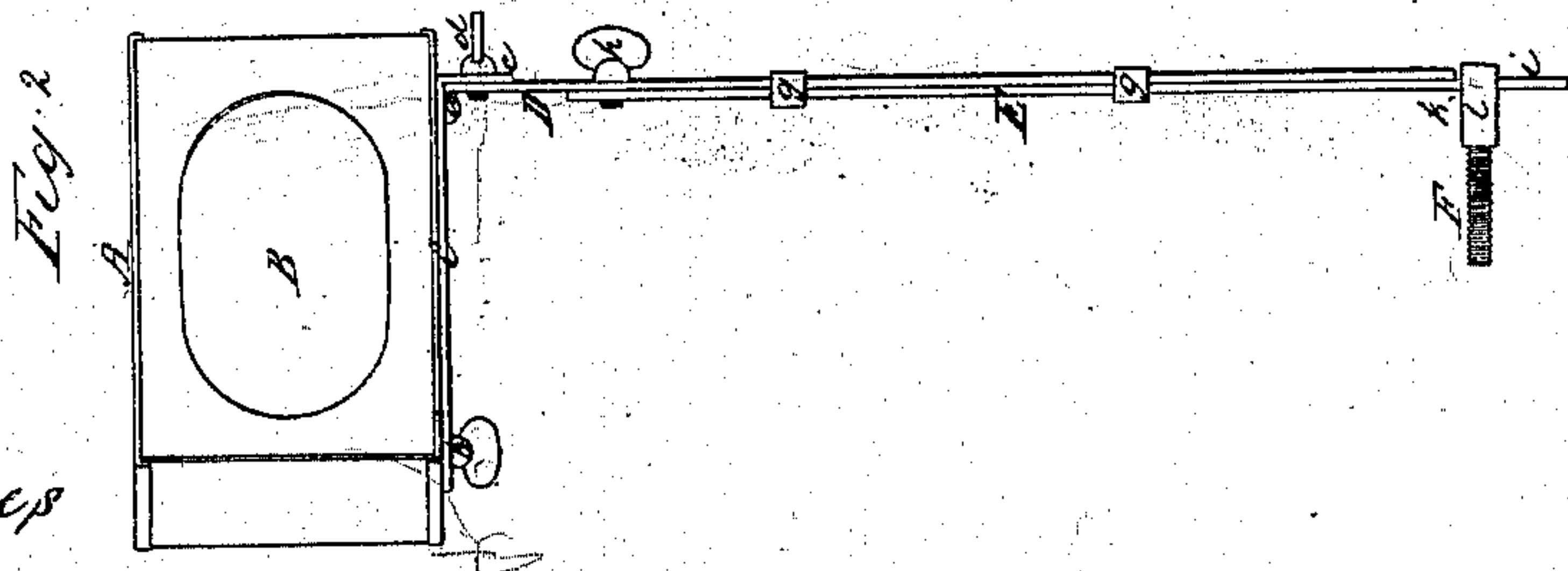
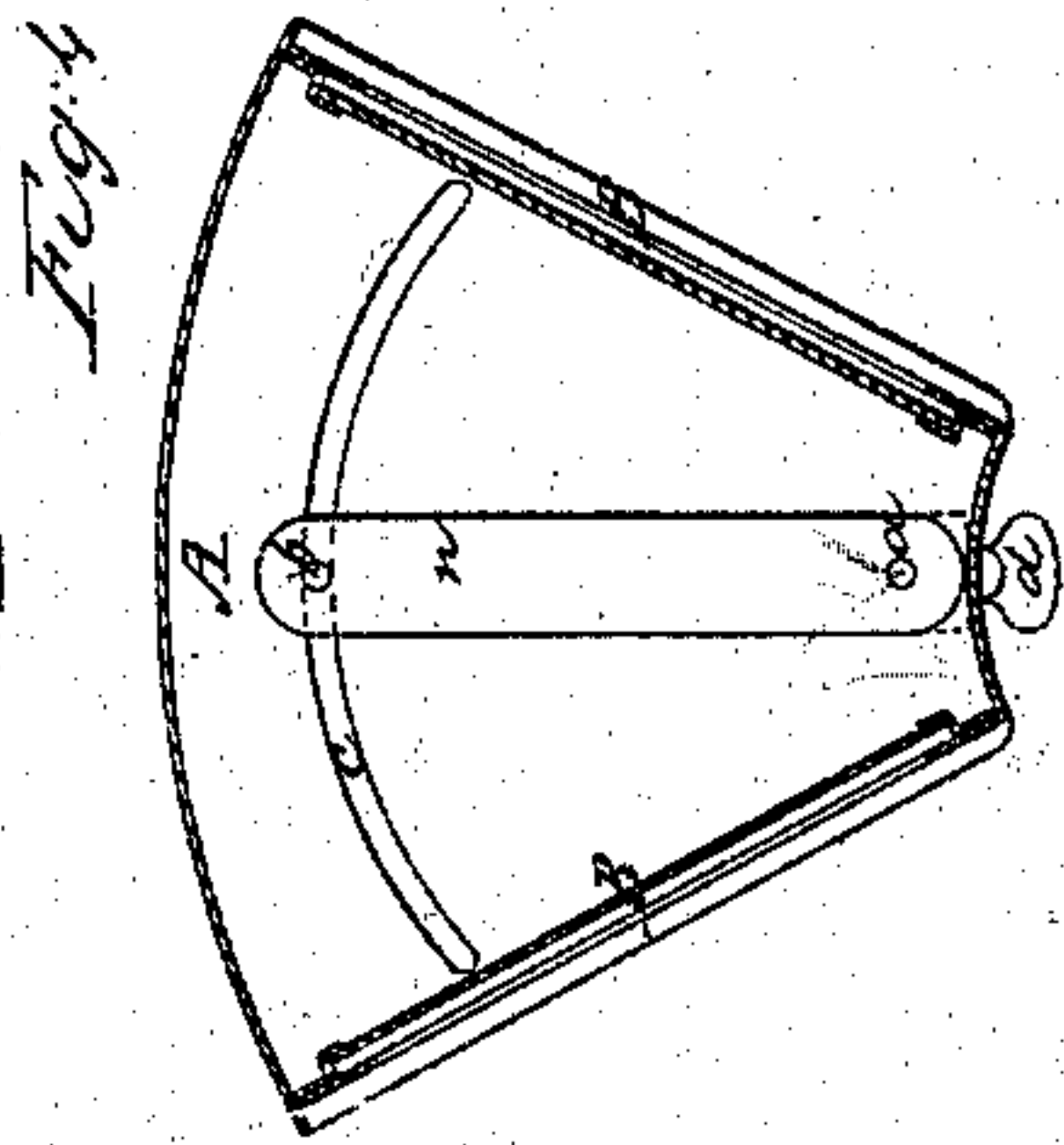
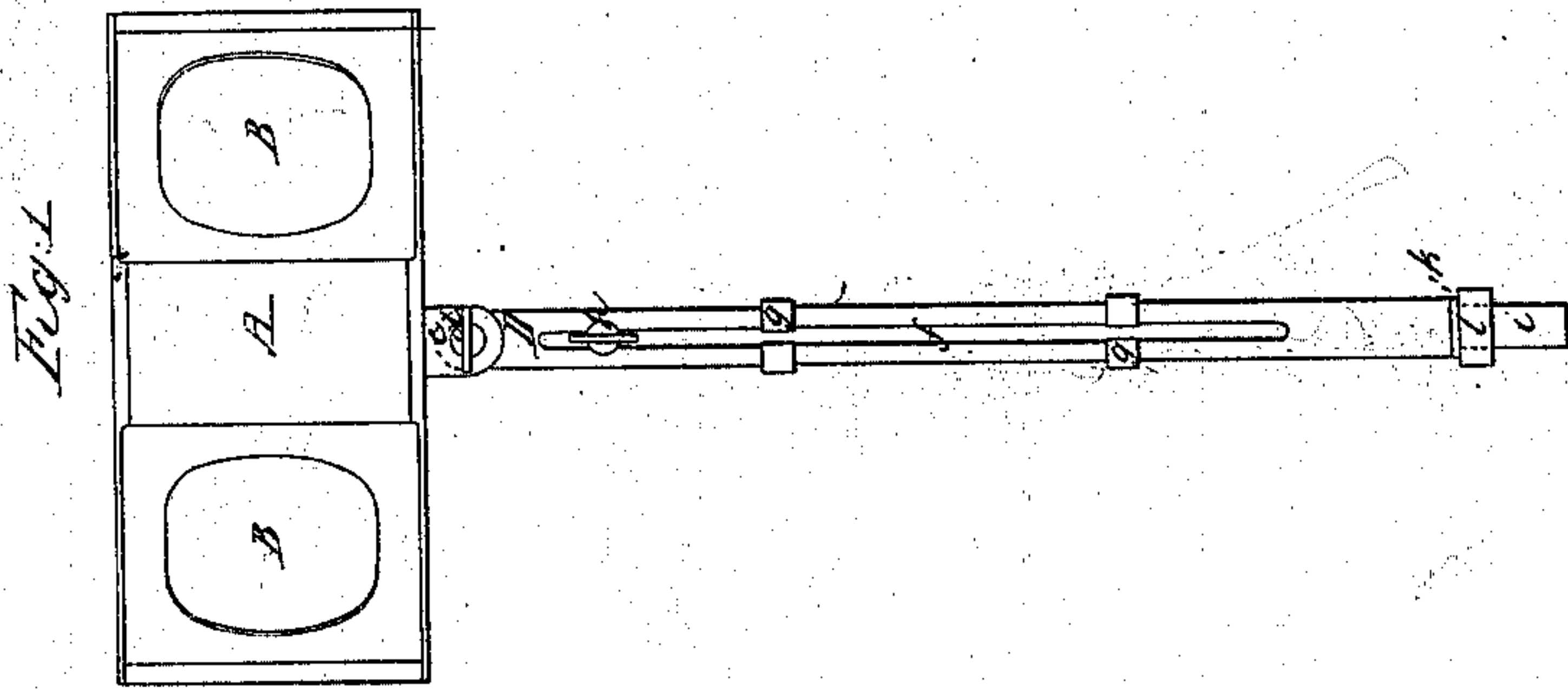
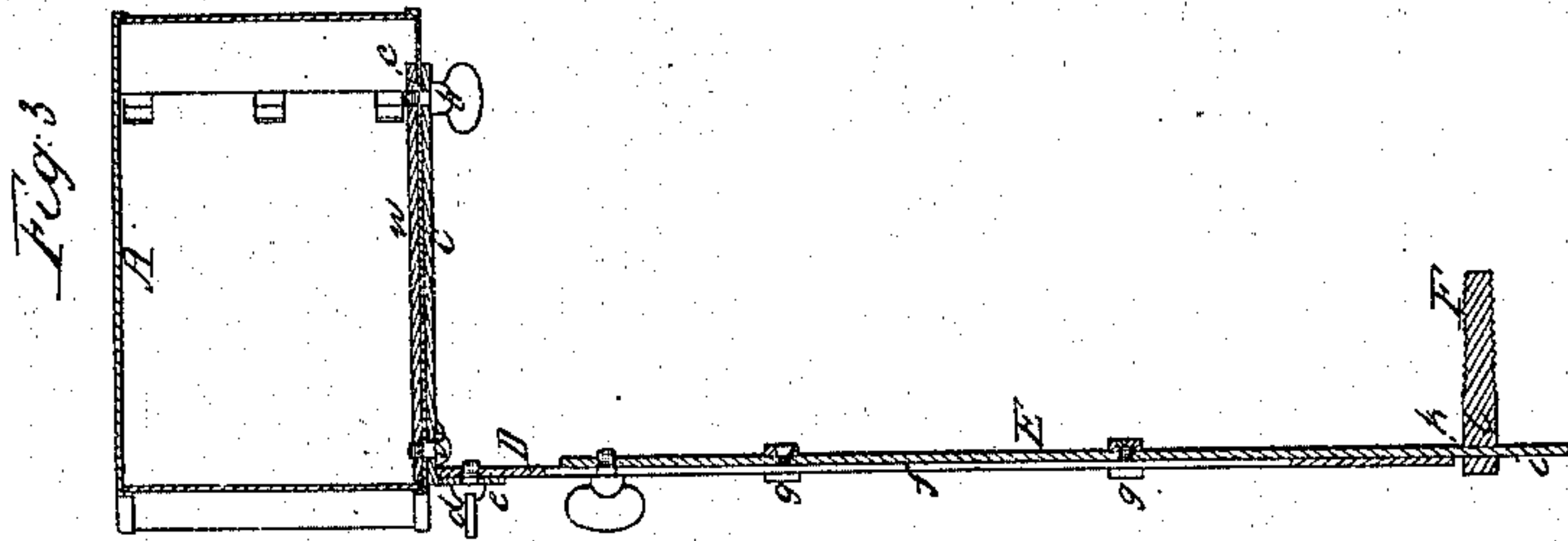


C. G. Smith,

Window Mirror,

No 67,919,

Patented Aug. 20, 1867.



Witnesses

Samuel C. Piper  
Geo. H. Andrews

Inventor  
Chas. G. Smith  
by his attorney  
C. H. Ledy

# United States Patent Office.

CHARLES G. SMITH, OF NORTH BRIDGEWATER, MASSACHUSETTS, ASSIGNOR  
TO HIMSELF AND ALEXANDER TURNER, OF THE SAME PLACE.

*Letters Patent No. 67,919, dated August 20, 1867.*

## IMPROVEMENT IN REFLECTORS FOR WINDOWS.

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

TO ALL PERSONS TO WHOM THESE PRESENTS SHALL COME:

Be it known that I, CHARLES G. SMITH, of North Bridgewater, in the county of Plymouth, and State of Massachusetts, have invented a new and useful or improved Reflecting Apparatus for Windows; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a rear elevation.

Figure 2, a side elevation, and

Figure 3 a longitudinal section of it.

Figure 4 is a horizontal section taken through its mirrors.

In the drawings, A represents a box, whose form, in top view, is that of a truncated sector of a circle. The opposite sides of the box are arranged to radiate from a common centre, and each has a mirror, B, applied and fixed to it. The said mirror may be a plane, convex, or concave one, as may be desirable. The box is mounted upon an arm, C, and so as to be capable of being turned on a centre-pin or screw, *a*, projecting upward from the arm near its inner end. A clamp-screw, *b*, applied to the arm, and going through a curved slot, *c*, made in or through the bottom of the box, and being screwed into a nut, *n*, arranged within the box, serves to clamp the box to the arm. The box may be turned horizontally on the arm, and may be fixed in position thereon by means of the clamp-screw. Near its inner end the arm is bent at a right angle, and is secured to an upright bar, D, by means of a clamp-screw, *d*, which goes through the part *e* of the arm, and is screwed into the bar D. By means of the above-described mode of connecting the arm and bar the box may be turned in a vertical plane so as to adjust its mirrors to any desirable inclination with the horizon. The bar D has a long slot, *f*, made in it lengthwise, and is placed against another bar or standard, E, with which it is kept in contact by two clasps, *g' g'*. A clamp-screw, *h*, goes through the slot *f*, screws into the standard E, and serves to confine the bar D to the said standard. From the above it will be seen that the part D may be adjusted to any desirable altitude within the range of its motion on the standard, the same being so as to enable the mirrors to be arranged at a convenient height for a person to see into either while sitting or standing at a window to which the apparatus may be applied. The lower part of the standard is formed with a tenon, *i*, to enter a mortise, *k*, made in the head *l* of a screw, F, which is to be screwed horizontally into the window-sill.

I am aware that it is not new to have a reflector applied to one side of a window-frame, and provided with adjusting devices, whereby such mirror may be adjusted so as to reflect to an observer within the apartment to which the window may belong the images of objects in the street or country outside of the apartment. I therefore make no claim to such in the abstract. My apparatus is designed to be fixed to the middle of a window-sill, and in such manner that its support-screw will not be an obstacle to the operation of the outside blinds or shutters of the windows. The advantage of my apparatus is that it exhibits reflections in opposite directions, that is, "up street" as well as "down street," and can be used by a person at either side of the window.

I therefore claim as my invention—

The duplex adjustable reflector, substantially as described, that is, as composed of the box A or its equivalent, the two mirrors B B, the arm C, and its clamp-screw *b*.

I also claim the combination of the duplex reflector, made as described, (viz, of the box A, its mirrors B B, arm C, and clamp-screw *b*,) with the supporter, composed of the screw F and a bar or bars D E, applied together and to the arm C substantially as specified.

CHARLES G. SMITH.

Witnesses:

R. H. EDDY,

SAMUEL N. PIPER.