

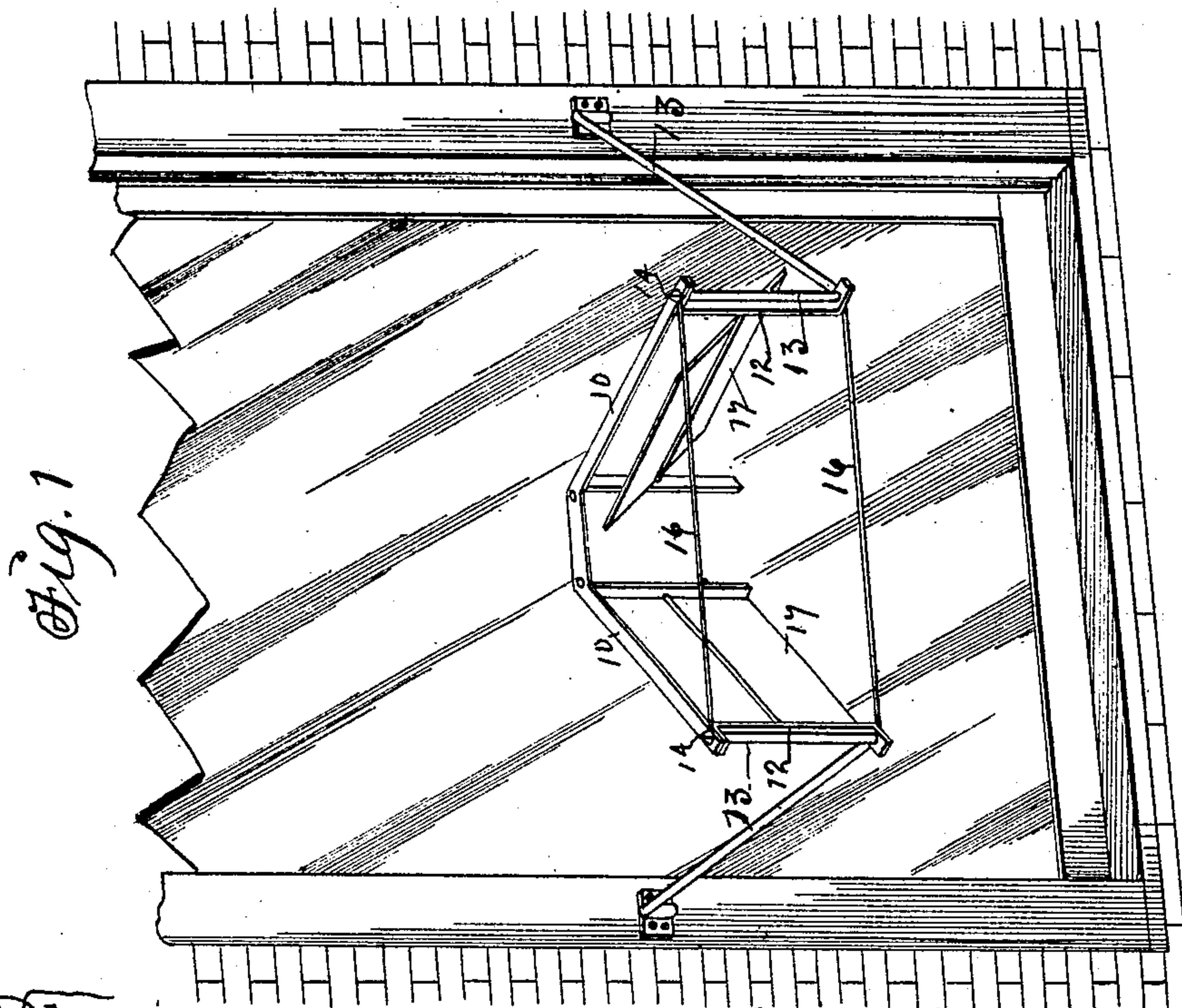
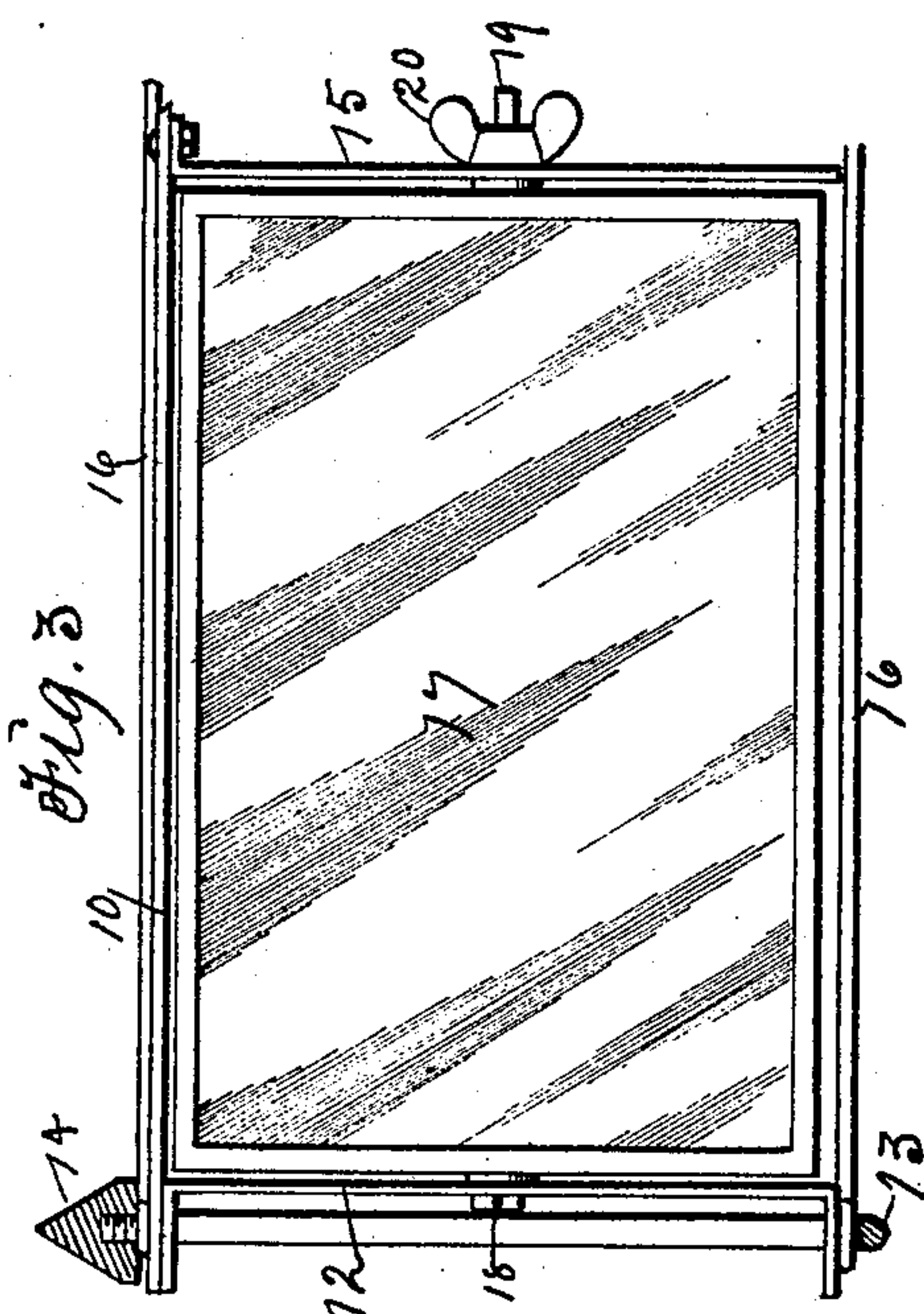
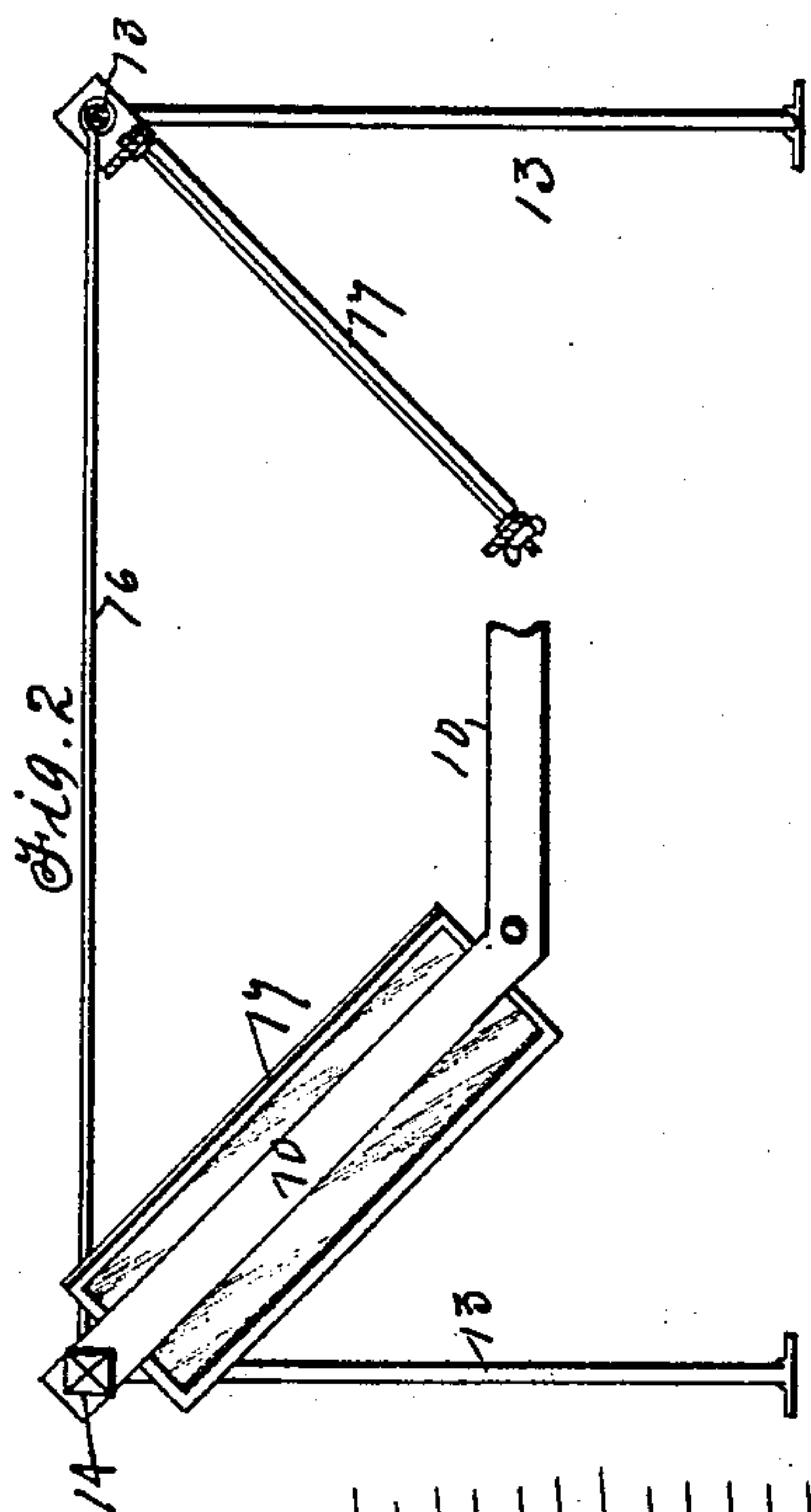
No. 774,131.

PATENTED NOV. 1, 1904.

J. BERGMAN.  
STREET REFLECTOR ATTACHMENT FOR WINDOWS.

APPLICATION FILED JULY 14, 1904.

NO MODEL.



Witnesses:  
H. L. Leebrock  
L. H. Orwig

Inventor: John Bergman,  
By Thomas G. Orwig, Attorney.



# UNITED STATES PATENT OFFICE.

JOHN BERGMAN, OF DES MOINES, IOWA.

## STREET-REFLECTOR ATTACHMENT FOR WINDOWS.

SPECIFICATION forming part of Letters Patent No. 774,131, dated November 1, 1904.

Application filed July 14, 1904. Serial No. 216,615. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN BERGMAN, a citizen of Sweden, residing at Des Moines, in the county of Polk and State of Iowa, have invented a new and useful Street-Reflector Attachment for Windows, of which the following is a specification.

My object is to attach a duplex deflector to the outside of a window in a building in such a manner that a person on the inside of the window can adjust the mirrors independently to see what is on the street or landscape on his right and also on his left by looking straight forward into the deflector to observe the positions of buildings, trees, fixed objects, horses and vehicles, and persons stationary or moving.

My invention consists in the construction of a frame and the combination therewith of two adjustable mirrors and means for adjusting one at a time and retaining them stationary in the frame, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective that shows my invention applied to the outside of a window as required for practical use. Fig. 2 is a top view, partly in section, that shows the form of the frame and the manner of connecting the mirrors therewith. Fig. 3 is a face view of one of the mirrors and shows the portion of the frame in which it is adjustably mounted and also shows in section how the different parts of the frame are formed and combined.

The numeral 10 designates the top portion of a practically V-shaped frame. It is preferably made of a piece of flat metal and may vary in size as desired. Posts 12, also preferably made of flat pieces of metal, are bent at right angles at their ends and the ends provided with apertures for the passage of the upright end portions of elbow-shaped rods 13 to connect with the ends of the part 10 of the frame. The tops of the vertical portions of the rods are screw-threaded, and nuts 14 fixed thereon fasten the posts 12 to the ends of the part 10 of the frame. The horizontal portions of the elbow-shaped rods 13 are provided with fixed flat and perforated plates adapted

to be fixed to a wall or window-frame and are thus adapted to be pivotally connected with the frame, so they can be readily adjusted relative to the width of a window to which they are to be fixed, as shown in Fig. 1, or in any suitable way as required for retaining the invention in proper position on the outside of a window. Posts 15, also preferably made of flat pieces of metal, are bent at right angles at their tops and provided with apertures and connected with the part 10 by means of screw-bolts and nuts or in any suitable way as required to serve as bearers to aid in supporting mirrors journaled to their centers and the centers of the posts 12, as shown in Figs. 1 and 3. Braces 16, provided with eyes at their ends, through which the upright portions of the rods 13 are passed, complete the frame.

Mirrors 17, having journals 18 and 19 at their ends, are pivotally connected with the centers of the posts 12 and 13, so they can be independently placed at different angles relative to a vertical plane, and the journals 19 project out and are screw-threaded to receive thumb-nuts 20, by means of which the mirrors can be clamped to the posts to be retained stationary at any angle desired.

In the practical use of my invention when applied to the outside of a window in the first story of a building or any story above the first, even as high as the sixth or eighth story, the mirrors can be readily adjusted relative to each other and the frame to reflect the streets and persons, animals, &c., thereon to the right and left of the window, so that a person on the inside of the window will have panoramic views thereof to amuse and delight.

Heretofore mirrors have been adjustably connected with a frame adapted to be fixed to a window in such a manner that the two mirrors could be jointly adjusted to be in different angles relative to a vertical plane and inclined in opposite directions relative to each other and a vertical plane between them; but in no instance has a frame been adjustable relative to a window and two mirrors independently adjustable relative to the frame and a vertical plane between the mirrors.

Having thus set forth the purpose of my invention and the manner of its construction



and application to a building, the practical operation and utility thereof will be obvious to persons familiar with the art to which it pertains; and

5 What I claim as new, and desire to secure by Letters Patent, is—

1. A frame for adjustably supporting two mirrors, consisting of a V-shaped top piece, posts fixed to its ends, posts fixed to the central portion of the V-shaped top piece and  
10 braces fixed to the tops and bottoms of the posts at the large ends of the frame, for the purposes stated.

2. A frame for adjustably supporting two  
15 mirrors consisting of a V-shaped top piece, posts fixed to its ends, posts fixed to the central portions of the V-shaped frame or top piece, braces fixed to the tops and bottoms of the posts at the large ends of the frame and  
20 elbow-shaped rods pivotally connected with the outer corners of the frame, to operate as set forth for the purposes stated.

3. In a frame for supporting mirrors on the outside of a window in a building, a V-shaped

top portion made of flat metal and its ends 25 apertured, a post made of flat metal and its ends bent at right angles and provided with apertures, an elbow-shaped rod extended through the coinciding apertures in the V-shaped top portion and the ends of the posts 30 and secured at its top by means of a nut, as shown and described for the purposes stated.

4. A duplex reflector attachment for windows comprising a V-shaped frame, elbow-shaped rods pivotally connected with the outer  
35 corners of the frame and the ends of their horizontal portions adapted to be fastened to the outside of a window and two mirrors pivoted in the frame and their journals at one end of each mirror screw-threaded and nuts 40 on said journals, arranged and combined to be applied and operated in the manner set forth for the purposes stated.

JOHN BERGMAN.

Witnesses:

CARL OSBERG,  
THOMAS G. ORWIG.