(No Model.)

# N. ANDERSEN.

## WINDOW MIRROR.

No. 398,994. Patented Mar. 5, 1889.

Fig. 1.

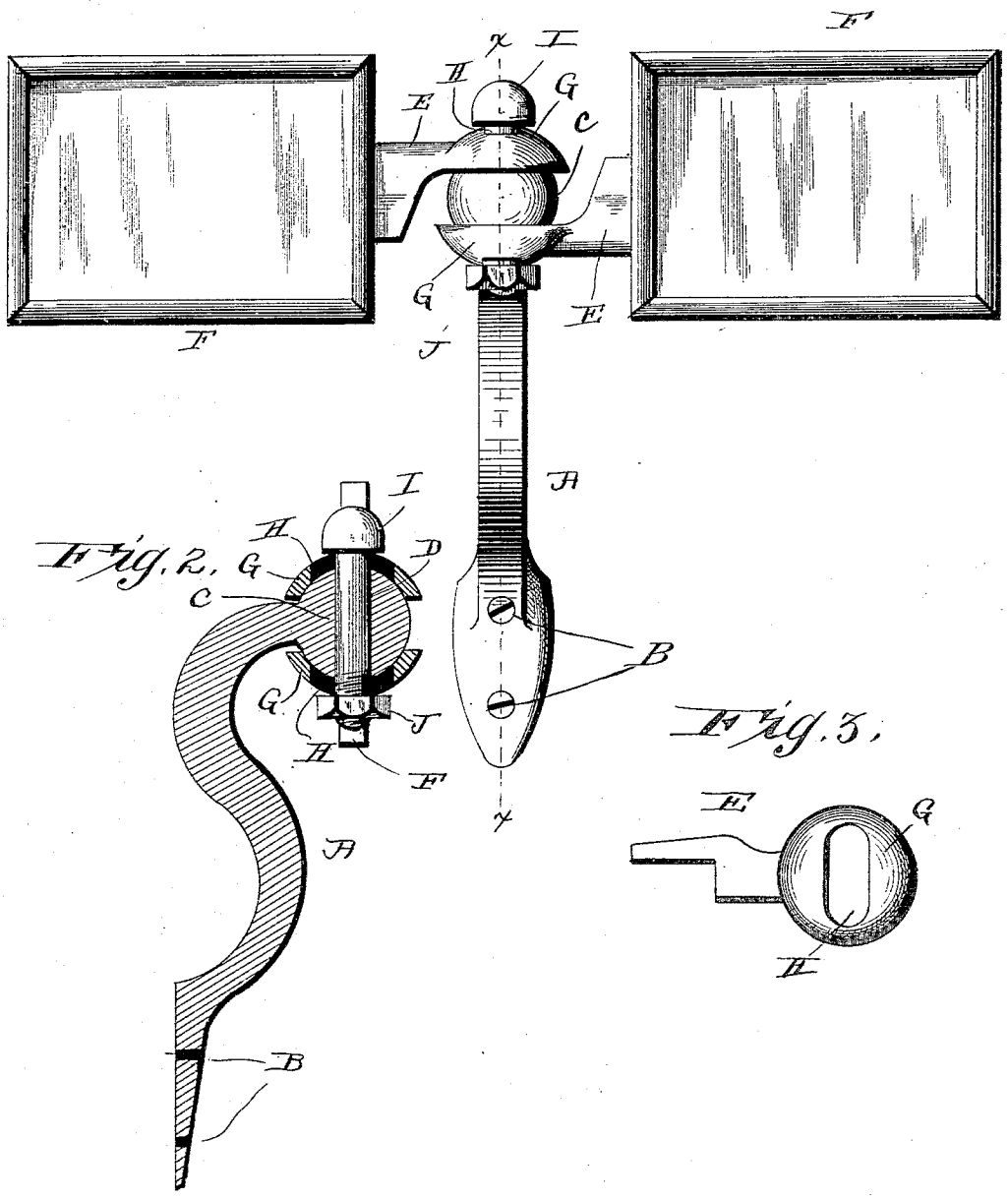


Fig. 2.

Fig. 3.




Witnesses,

Frank A. Obert

R. H. Bishop.

Inventor,

Niels Andersen

By his Attorneys

C. A. Snow & Co.

N. PETERS, Photo-Lithographer, Washington, D. C.

# UNITED STATES PATENT OFFICE.

NIELS ANDERSEN, OF DECORAH, IOWA.

## WINDOW-MIRROR.

SPECIFICATION forming part of Letters Patent No. 398,994, dated March 5, 1889.

Application filed November 16, 1888. Serial No. 291,040. (No model.)

*To all whom it may concern:*

Be it known that I, NIELS ANDERSEN, a citizen of the United States, residing at Decorah, in the county of Winneshiek and State of Iowa, have invented a new and useful Improvement in Window Mirrors or Reflectors, of which the following is a specification.

My invention relates to an improvement in window mirrors or reflectors; and it consists in certain novel features, hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a front view of a mirror embodying my invention. Fig. 2 is a vertical section on the line *x x* of Fig. 1. Fig. 3 is a plan view showing one of the supporting-arms in detail.

Referring to the drawings by letter, A designates a bracket-arm having its lower end provided with transverse perforations B, through which securing-screws are passed into the window-frame or other support to secure the device in its operative position. The upper end of the bracket-arm is provided with a ball, C, having a vertical opening, D, extending entirely therethrough.

E designates the mirror-supporting arm, having the mirror F secured to its outer end and having its inner end provided with a hemispherical bearing or cup, G, which rests upon the ball C at the upper end of the bracket-arm A, and is provided with a diametrical slot, H, as shown.

I designates the pivotal fastening-bolt, which is inserted vertically downward through the slot H in the cup G and the opening D in the ball C. The lower end of this bolt depends below the said ball C, and is provided with a securing-nut, J, which is adapted to be turned upward upon said bolt, so as to firmly clamp the several parts together.

As shown in the drawings, there are two mirrors supported by my device, each one having an arm, E, provided with a cup, G, one of said cups bearing against the under side of the ball and the other resting upon said ball. It will be readily understood, however, that the series or number of mirrors may be increased or diminished at will without effecting a departure from my invention.

The mirrors are designed more especially for use on dwelling-houses where it is desired to witness what passes in the street. The mirrors are adjusted so that each mirror will deflect the images of persons passing on the street, so that a person in the room, by looking through the window into the mirrors, may be informed of all that transpires outside without being discovered, each mirror reflecting the scene at one end of the street.

The mirrors can be quickly adjusted by loosening the securing-nut on the pivotal bolt, so that the mirror-supporting arms can be moved around upon the ball to give the mirrors the desired angle, the slot in the cup slipping upon the pivotal bolt, so as to allow said movement of the mirror-supporting arms. The mirrors can be also moved circular in a vertical plane, so as to reflect what goes on above and below. It will be seen that the said arms can be moved in any desired direction, so as to secure the proper adjustment of the mirror, and the said adjustment can be quickly effected.

The mirrors can be arranged at the corner of a building, so that one mirror will reflect what transpires in one street and the other mirror will reflect what happens in the intersecting street. The device is very simple, and its advantages are thought to be obvious.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of the bracket-arm having a ball at its upper end, the mirror-supporting arm having a cup resting on said ball and having a diametrical slot, and the pivotal securing-bolt inserted vertically through said ball and the slot in the cup, as set forth.

2. The combination of the bracket-arm having a ball at its upper end, the mirror-supporting arm having a cup resting on said ball and provided with diametrical slot, and the pivotal securing-bolt inserted through the ball and the slot in the cup, as set forth.

3. As an impovement in window-mirrors, the combination of the bracket-arm having a ball at its upper end provided with the ver-

tical opening, the mirror-supporting arm having its inner end provided with the cup resting on the ball and having the diametrical slot, and the pivotal bolt inserted vertically through the slot in the cup and the opening in the ball and provided with a securing-nut on its lower end, as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

NIELS ANDERSEN.

Witnesses:
B. M. KEEFE,
J. L. KITTELSLEY.