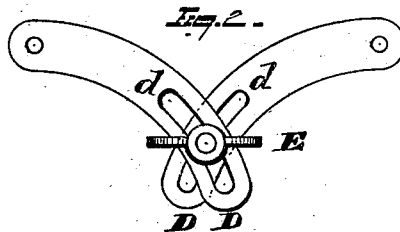
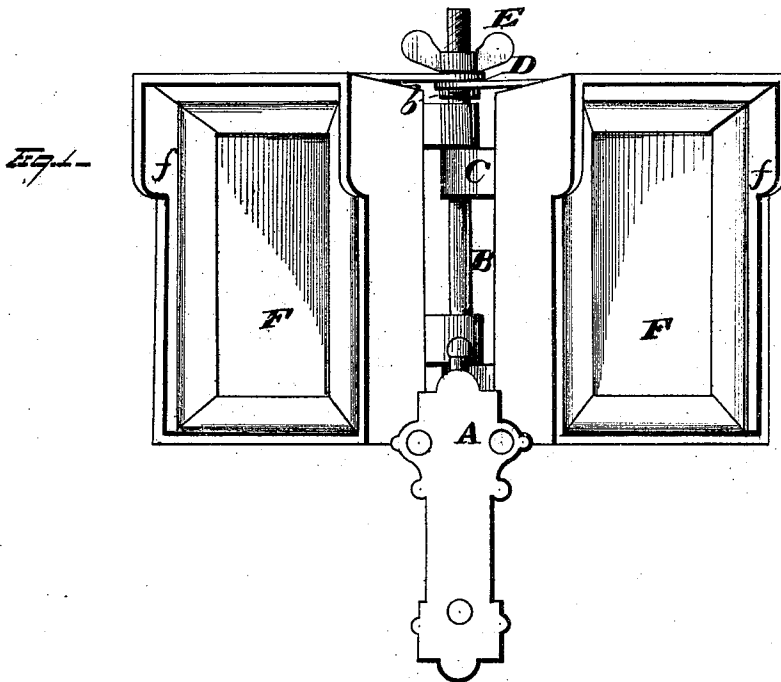


J. VAN De LINDE.

WINDOW MIRROR.

No. 181,806.

Patented Sept. 5, 1876.



WITNESSES
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UNITED STATES PATENT OFFICE.

JAN VAN DE LINDE, OF GRAND RAPIDS, MICHIGAN.

IMPROVEMENT IN WINDOW-MIRRORS.

Specification forming part of Letters Patent No. **181,806**, dated September 5, 1876; application filed June 24, 1876.

To all whom it may concern:

Be it known that I, JAN VAN DE LINDE, of Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Window-Mirrors; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to window-mirrors, and consists of two suitably-framed glasses revolving on a common spindle, and rendered adjustable in their angular inclinations by curved slotted plates acting in connection with a thumb-clamp.

In the drawings, Figure 1 represents my device in full, while Fig. 2 is a detail of the clamping mechanism.

A is a bracket of suitable proportion and design, having at its extremity, farthest from the supporting side, the vertical spindle B secured thereto, either cast in the same piece, or engaging therewith, so as to firmly hold the spindle in position. Upon this spindle, as their axis, revolve the strap-hinges C, which latter are constructed with the outer extremities of their leaves secured to the rear of the glass frame, while their knuckles embrace the spindle as the common center or supporting-pin about which they rotate. Two of these hinges serve to swing each glass, one respectively at the top and bottom of each of the glasses. To the top of the glass frames are respectively secured at their outer extremities the circular plates D, one to each glass, which plates, at their inner extremities, are provided with slots *d* running parallel to said plates. These circular plates engage with the spindle B by same passing through their slots *d*, and are secured in any determinate position by the thumb-clamp E screwed onto the threaded upper end of the spindle. A collar, *b*, forms

an under bearing for these circular plates, which are compressed intermediate said collar and the clamp E, whereby as the latter is screwed down the plates are held fixed. The glasses F may be of such dimensions as desired, and are suitably framed in protecting casings *f*.

The operation is as follows: The device being secured by means of the bracket to the casing or other appropriate part of the window, from within which it is desired to look up and down the street, either or both of the mirrors may be set at any appropriate angle, and there firmly held by operating the clamping mechanism. The angle of forty-five degrees is a very fair one in which to see the length of the street, and it will be observed that the view also includes the sidewalk nearest the house even when the mirror is attached to an upper story window.

By the foregoing described device a person, while not exposing any portion of their body outside the window, may enjoy a full view of objects without, and which otherwise would require a projection beyond the window.

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

1. The duplex window-mirror, consisting of two glasses angularly adjustable on a common spindle supported by a projecting bracket, in combination with the two slotted circular plates and clamping mechanism, substantially as and for the purpose described.

2. The circular plates and supporting-spindle, in combination with the bearing-collar and thumb-clamp, substantially as and for the purpose described.

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

JAN VAN DE LINDE.

Witnesses:

WM. O. WESTFALL,
F. RAYNSFORD,