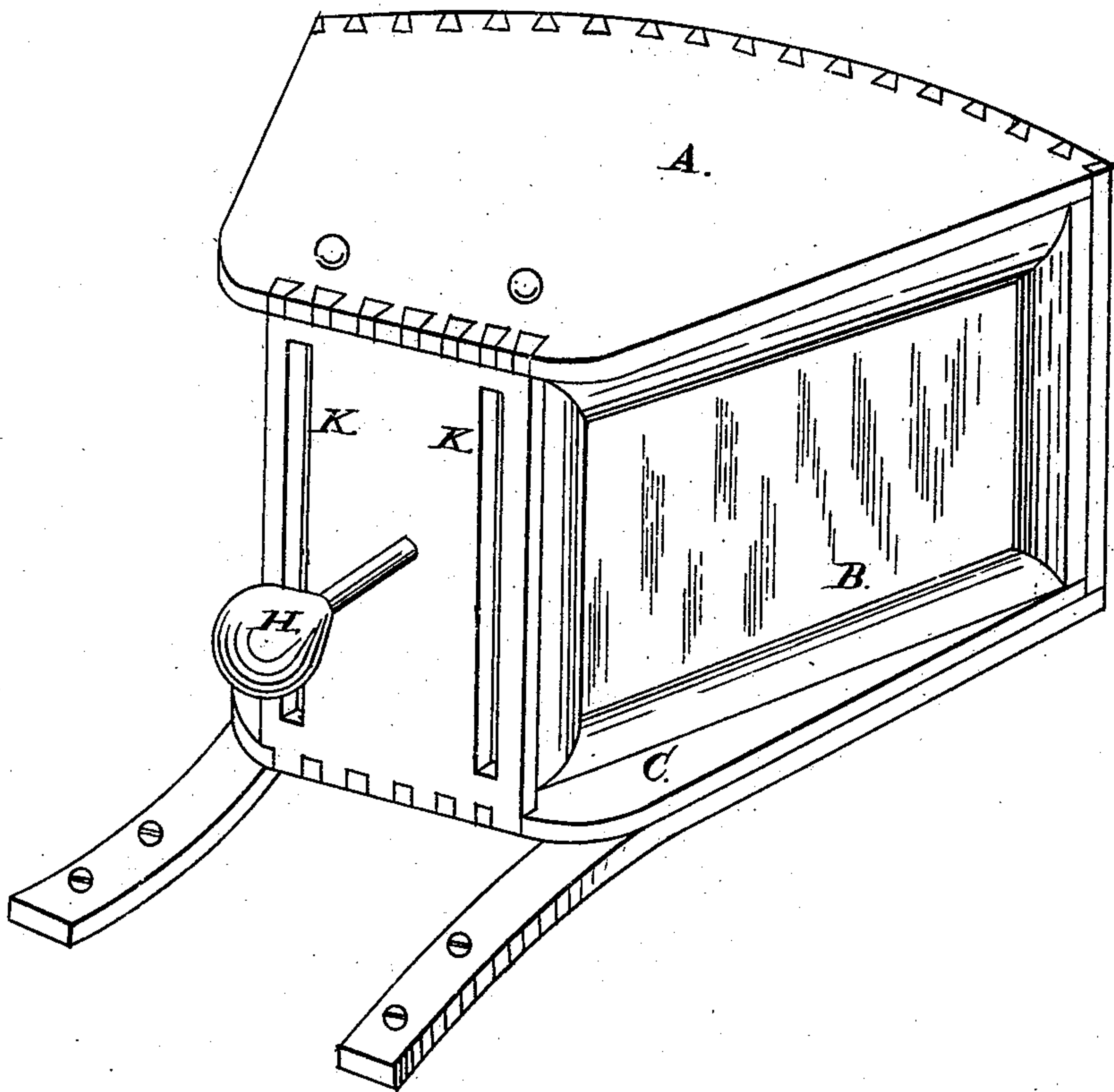


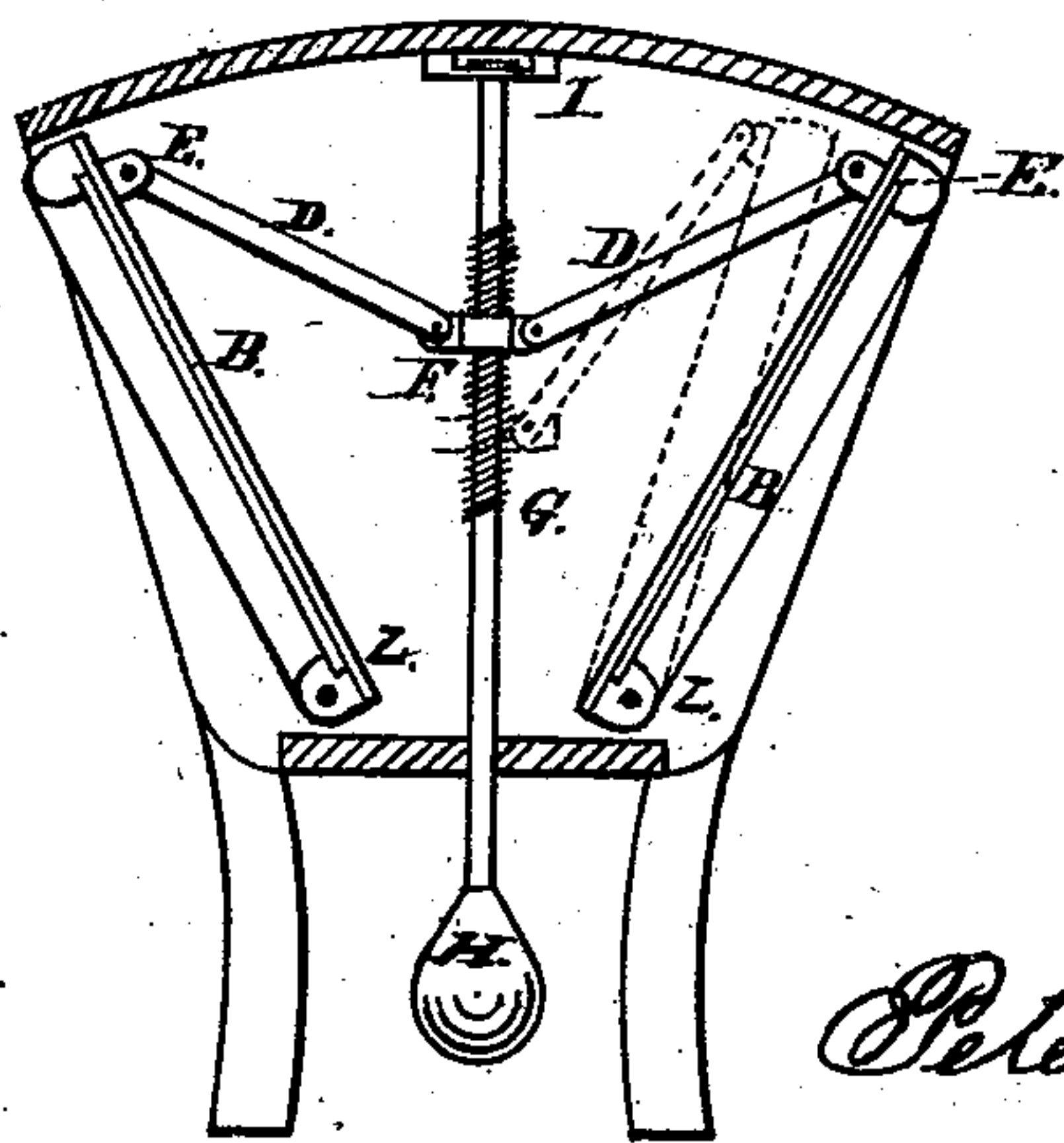
P. W. RALFS.
WINDOW MIRRORS.

No. 189,139.

Patented April 3, 1877.



-Fig. 1-



-Fig. 2

WITNESSES:

J. B. Smith
Chas. Smith

INVENTOR:

Peter W. Ralfe

UNITED STATES PATENT OFFICE.

PETER W. RALFS, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN WINDOW-MIRRORS.

Specification forming part of Letters Patent No. **189,139**, dated April 3, 1877; application filed February 19, 1877.

To all whom it may concern:

Be it known that I, PETER W. RALFS, of Milwaukee, in the county of Milwaukee, in the State of Wisconsin, have invented certain Improvements in Detectors, of which the following is a specification:

My invention has for its object the detection of anything that may be taking place in the street, or anywhere on either side of a house on the side of which it may be placed. It is a box or frame secured to the side of a house, with looking-glasses in it, with a screw, for the purpose of adjustment of the glasses, so that they may be arranged at the proper angle, so that a person can, by looking in one of the glasses, see everything that is transacted within range.

Figure 1 is a perspective view of my invention, and Fig. 2 is a sectional view of same.

A is the box or frame in which the looking-glasses are placed; B B, the looking-glasses; C, the frames of the glasses; D D, arms, secured to the looking-glasses, with ears E on the looking-glass frames, to which they are attached; F, a nut, to which the arms are attached at the other end of same, and through which passes a shaft, G, with a screw on same, which, by turning, either screws up or down the nut F. H is a handle or knob on the shaft G, with which to turn the same; I, a keeper, on the back end of the box or frame, into which the end of shaft G works, said

shaft G being provided with a head which holds it firmly in its socket. As the handle H is turned the nut F is screwed in either direction, and the arms D are either straightened out or closed up, so that the glasses may be adjusted to the desired angle. K K are openings or slots in the box, so that, should the glasses be broken, the end of the glass-frame may be removed and another glass be inserted through the slot. L L are pivots, securing the ends of the glasses, so that they may be turned on same.

The operation of this detector is as follows: It is secured to the window-sill on the outside of a house, with the handle H passing through the sash; by turning the handle the glasses can be so adjusted that a person sitting on the inside of the window, by looking in either of the glasses can see whatever is taking place within range of the respective glasses.

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

1. Box or frame A, looking-glasses B B, with arms D D, screw-shaft G, and nut F, substantially as described.

2. Arms D D, screw-shaft G, nut F, handle H, keeper I, and looking-glasses B B, all in combination, substantially as described.

PETER W. RALFS.

Witnesses:

J. B. SMITH,
CHAS. A. SMITH.