

A. LAMMERT.
Window-Ventilator.

No. 213,337.

Patented Mar. 18, 1879.

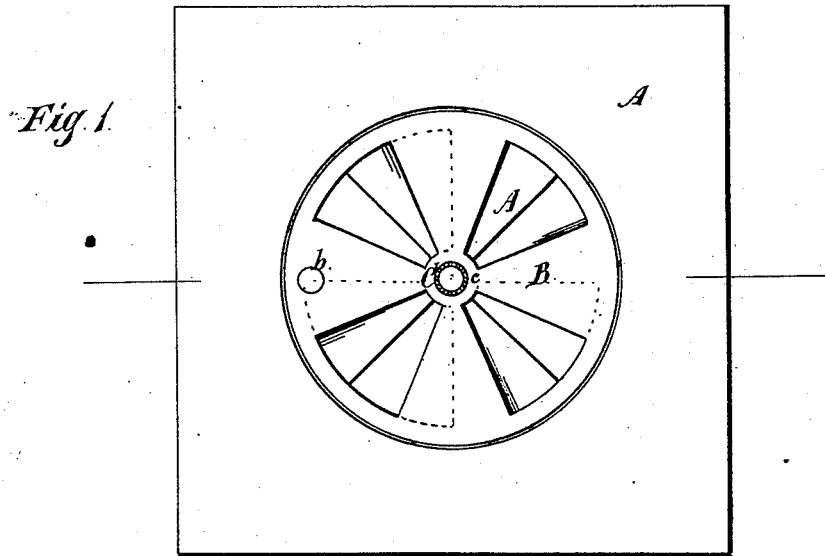
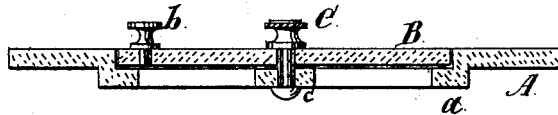


Fig. 2.



Witnesses:

*Jacob Richter
L. Kliner fuer*

Inventor:

*August Lammert
by Wm. H. Lotz
his Attorney*

UNITED STATES PATENT OFFICE.

AUGUST LAMMERT, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN WINDOW-VENTILATORS.

Specification forming part of Letters Patent No. **213,337**, dated March 18, 1879; application filed March 23, 1878.

To all whom it may concern:

Be it known that I, AUGUST LAMMERT, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Window-Ventilator, as fully described in the following specification.

My invention relates to a ventilating-register arranged in a window-pane; and consists in providing a window-pane with a central annular recess having a circumferential flange, a central bearing, and sector-shaped openings, in which recess is applied a glass register flush with the pane, having sector-shaped openings and pivotal and operating pins, as hereinafter more fully set forth.

In the drawings, Figure 1 represents an elevation, and Fig. 2 a transverse section, of my ventilator.

A is a plate of glass, to be of such exterior dimensions that it will fit in the place of one of the window-sash lights. This plate has an annular recess in one, and a corresponding projecting flange, *a*, upon the other, side. Into this recess is placed a rotating disk, B, also made of glass, and secured by a fulcrum pin or bolt, C, passed through plate A, disk B, and the central bearing *c*, upon which said disk will turn. Both the recessed portion of the glass plate A and the disk B are perforated by holes shaped like the sectors of a circle, which are equally spaced, so that the solid portions of said disk will cover and close the open portions in the plate, and that by turning said disk the openings in both will meet. A small knob, *b*, either formed on or affixed to the disk-rim, is a means for turning said disk B. Small washers of elastic mate-

rial may be placed under the head of the fulcrum-bolt C, to prevent rattling and breakage. Ventilation and light are equally desirable in the rooms of a building, and one should not be secured at the expense of the other, as heretofore, when metallic plates arranged with ventilating-registers were put in place of one of the glasses in a window-sash, while with my device the entrance of the light into a room is not lessened, and yet the admittance of fresh air is provided for.

I am aware that a ventilator constructed by cutting out suitable orifices in a pane of glass or other transparent substance, and applying thereon a movable disk of a transparent material having similar orifices, has heretofore been employed; and I am also aware that a ventilator consisting of a flanged transparent plate with a register-plate, both having ventilating-openings, is not new, and I therefore lay no claim to such inventions.

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

The window-pane A, provided with a central annular recess having the projecting flange *a*, the central bearing, *c*, and sector-shaped openings, in combination with the transparent register B, inserted in the recess and flush with the pane, and provided with sector-shaped openings, the pivotal pin C, and operating-pin *b*, substantially as described, and for the purpose set forth.

AUGUST LAMMERT.

Witnesses:

GEO. FROMMANN,
JACOB RICHTER.