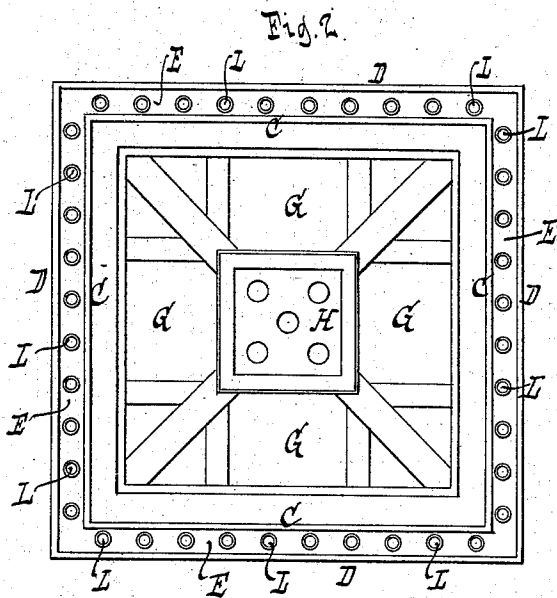
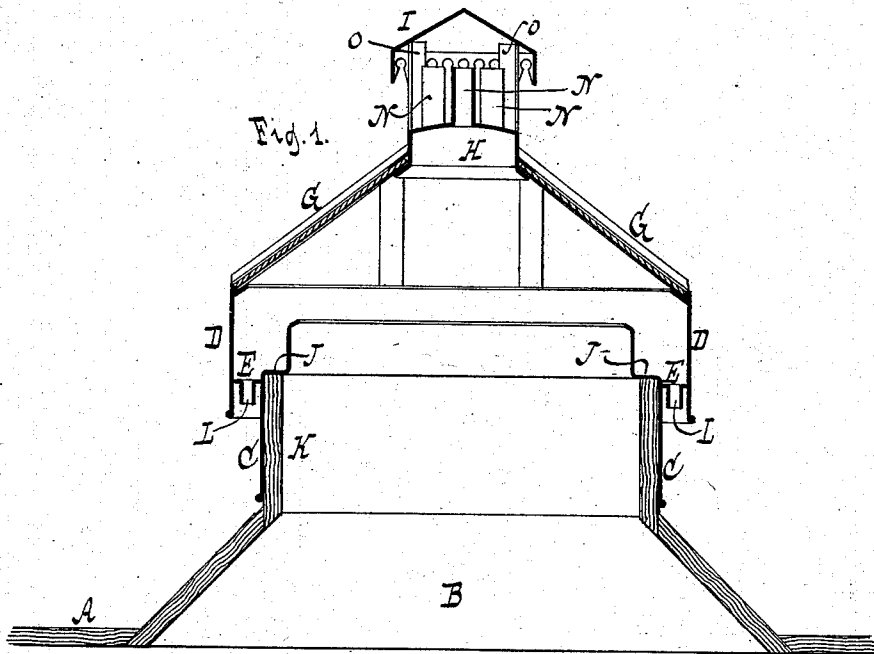


(No Model.)

C. L. WILLIAMS.  
VENTILATING SKYLIGHT.

No. 288,535.

Patented Nov. 13, 1883.



WITNESSES:

*Otto Aufeland*  
*William Miller*

INVENTOR

*Chester L. Williams*

BY *Van Santvoord Stauff*  
his  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

CHESTER L. WILLIAMS, OF NEW YORK, N. Y.

## VENTILATING-SKYLIGHT.

SPECIFICATION forming part of Letters Patent No. 288,535, dated November 13, 1883.

Application filed July 26, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, CHESTER L. WILLIAMS, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Ventilating-Skylights, of which the following is a specification.

This invention relates to the construction of skylights used both for lighting and ventilating purposes; and it consists in the novel arrangement of parts hereinafter described, whereby I produce a structure possessing a very large ventilating area, and one in which the ventilating medium is free from exposure to snow or rain.

In the accompanying drawings, Figure 1 is a vertical central section, showing my skylight in position on a roof. Fig. 2 is an inverted plan view thereof.

Similar letters indicate corresponding parts. The letter A designates a portion of a roof, having in it the usual opening, B, surmounted by a skylight. This skylight is composed of an inner wall, C, and an outer wall, D, both walls being vertical, and they being united by a perforated web, E; further, of sashes G, inclined upwardly and inwardly from the upper edge of the outer wall, a central perforated cap, H, at the inner or upper edge of the sashes, and a hood, I, above the cap. The inner wall, C, is provided with a shoulder, J, extending inwardly, whereby it rests on the upper edge of a frame, K, rising from the roof-opening B, thereby supporting the entire structure on such opening. The outer wall, D, is higher than the inner wall, C, and opposite to the holes of the perforated connecting-web E of the walls. This web is provided with draft-tubes L, which project downwardly, and through which air circulates to and from the interior of the structure and over the inner wall, through the roof-opening. These tubes L are arranged throughout the space between

the walls C D, and thus constitute a ventilating medium of large area, while, due to their arrangement between the walls, the tubes are not exposed to snow or rain, which is a desideratum.

Opposite to the holes of the perforated central cap, H, the latter is provided with draft-tubes N, which project upwardly, and through which foul air may escape from the interior of the skylight. These tubes N, being covered by the cap I, are protected against snow or rain by that means, and the hood being supported by arms O, the proper spaces are created for the circulation of air. Said tubes N, as well as the tubes L, are used to produce a draft, but may, if desired, be omitted.

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

1. The combination, substantially as herebefore set forth, of the inner wall, C, having the inwardly-projecting shoulder J, the outer wall, D, and the perforated web uniting such walls.

2. The combination, substantially as herebefore set forth, of the inner and outer walls, C D, the perforated web E, uniting such walls, the inclined sashes G, the central perforated cap, H, and the hood I above such cap.

3. The combination, substantially as herebefore set forth, of the inner and outer walls, C D, the perforated web E, uniting such walls, the inclined sashes G, the central perforated cap, H, the draft-tubes N, rising from the holes of the perforated cap, and the hood I above such cap.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

CHESTER L. WILLIAMS. [L. S.]

Witnesses:

CHAS. WAHLERS,  
E. F. KASTENHUBER.