

W. J. SMRCKA.
VENTILATOR FOR SKYLIGHTS.
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918,210.

Patented Apr. 13, 1909.

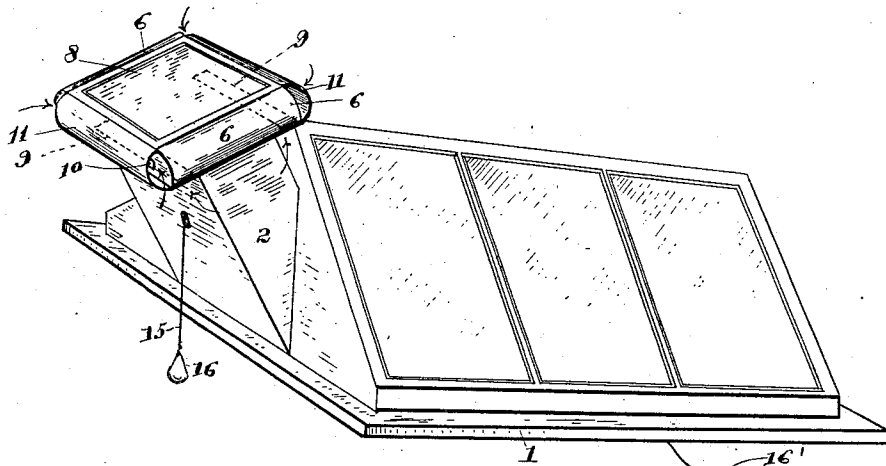


Fig. 1

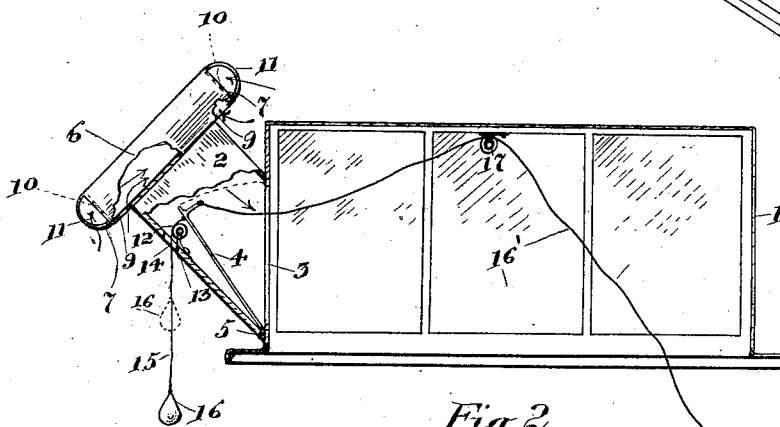
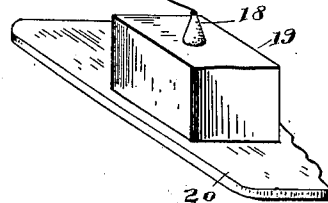
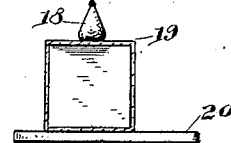


Fig. 2



Witnesses:

W. C. Smith
Frank J. Ransom

Inventor:

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UNITED STATES PATENT OFFICE.

WILLIAM J. SMRCKA, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO JAMES SMRCKA,
OF CHICAGO, ILLINOIS.

VENTILATOR FOR SKYLIGHTS.

No. 918,210.

Specification of Letters Patent.

Patented April 13, 1909.

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To all whom it may concern:

Be it known that I, WILLIAM J. SMRCKA, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Ventilators for Skylights, of which the following is a specification.

My invention relates to improvements in ventilators for sky-lights, the object being to provide a device of this character which will be serviceable and durable, and simple and inexpensive in construction.

A further object of my invention is to provide automatic means for closing the ventilator in case of fire, thus preventing draft.

Other objects will appear hereinafter.

With these objects in view, my invention consists in a sky-light, a ventilator at either one or at each end of said sky-light, said ventilator being disposed obliquely with an end of said sky-light, and a damper or shutter adapted to swing on a horizontal pivot in said ventilator.

My invention further consists in such an arrangement of pulleys, chains, weights and an inflammable box that in case of fire the damper in the ventilator will be automatically closed. And my invention further consists in certain details of construction and arrangement of parts as will be hereinafter fully described and particularly pointed out in the claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which—

Figure 1 is a perspective view showing my improved ventilator and the sky-light to which the ventilator is secured, and Fig. 2 is a central vertical longitudinal section showing portions broken away in the ventilator.

Referring now to the drawings, 1 indicates the sky-light and 2 the ventilator secured thereto. The preferred materials to be used are sheet metal and glass, but instead of the sheet metal wood may be used if desired. An opening 3 in one end of the sky-light 1 connects with the ventilator 2, and the same is adapted to be closed by a damper 4 hinged at 5. The body portion of the ventilator 2 is obliquely disposed, as shown, and is provided with an enlarged

top portion having semi-cylindrical ends 6, flat sides 7 and a glass 8. Elongated openings 9 and 10 are provided in the top portion of the ventilator and semi-cylindrical hoods 11 are provided as a protection from wind. The pulley 12 is mounted on a bracket 13 which is riveted to the wall of the ventilator adjacent to the opening 14 in the ventilator wall, and a chain 15 provided with a weight 16 is adapted to travel over said pulley.

The chain 15 is secured to the damper 4 and is obviously adapted to open the same. A second chain 16' passing over the pulley 17 is also secured to the damper 4 and is adapted to close the same when the weight 18 heavier than the weight 16 is free to drop. An inflammable box 19 is provided on the shelf 20, which latter may be any distance vertically from the pulley 17. When it is desired to close the damper 4, the box 19 is simply moved to one side, when the weight 18 will drop, and since the latter is heavier than the weight 16 the damper will immediately close.

In case of fire the damper would close automatically since the box 19 is designed to be inflammable.

While I have shown what I deem to be the preferable form of my ventilator, I do not wish to be limited thereto as there might be many changes made in the details of construction and arrangements of parts without departing from the spirit of my invention.

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

1. A skylight and a ventilator secured to the end thereof, there being an opening in the end of the ventilator forming a communication between said skylight and said ventilator, a damper adapted to swing upon a horizontal axis to close said opening, an enlarged rectangular top portion in said ventilator having two semi-cylindrical sides and two semi-cylindrical hoods, and a glass in said top portion substantially as described.

2. A ventilator having a draft opening in combination with a hinged damper adapted to close said opening, a pulley mounted in said ventilator, a chain provided with a weight secured to said damper and adapted to pass over said pulley, a second pulley, a chain secured to said damper and passing

over said second pulley, a weight attached to the last said chain, said weight being heavier than the first said weight, and an inflammable box adapted to support said
5 weight, whereby when said box is burned said weight will drop and automatically close said damper, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM J. SMRCKA.

Witnesses:

ANNA L. EKVALL,
JANET E. HOGAN.