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ADJUSTABLE VENTILATOR

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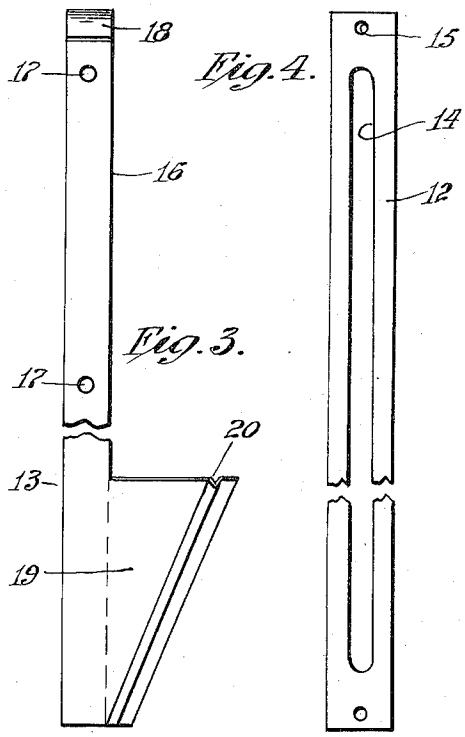


Fig. 4.

Fig. 3.

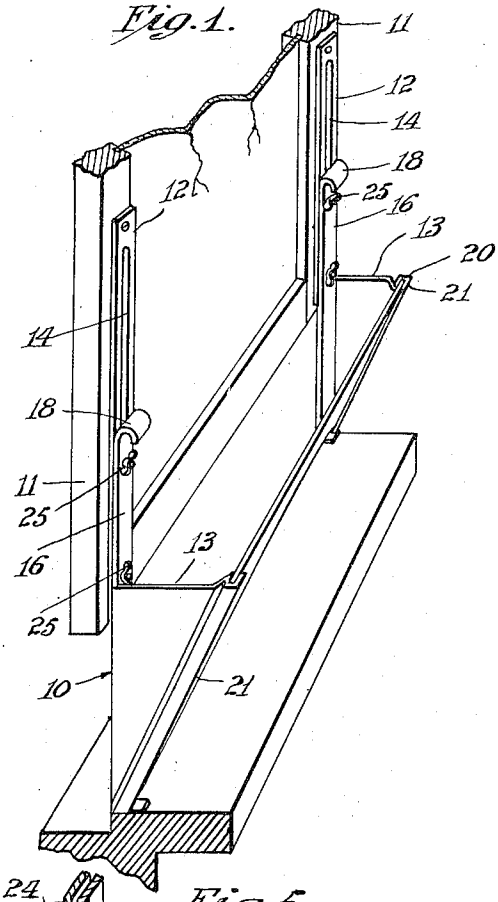


Fig. 1.

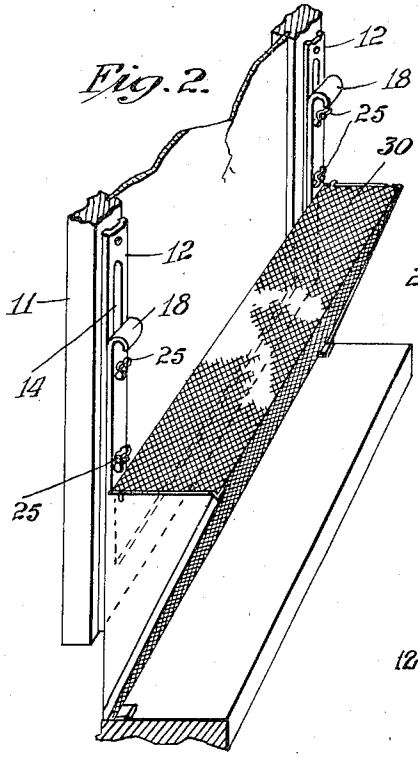


Fig. 2.

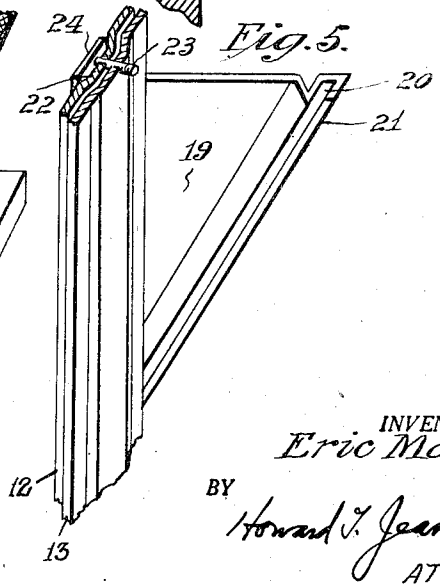


Fig. 5.

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ADJUSTABLE VENTILATOR

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4 Claims. (Cl. 98—99.2)

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This invention relates to window ventilators and more particularly to a ventilator that is attached to the sash of a window.

In the past, ventilators provided for windows have been mounted in a permanent fixed position on the sill of the window or between jambs of the window, and being permanently fixed could not be moved with the sash or adjusted. Also, in home use it is desirable to raise the window at times in order that something may be passed out of the window as the ventilator obstructs the passage, and the known ventilators have always been in the way in such instances.

An object of this invention is to provide a ventilator for a window that may be raised and lowered with the window.

Another object of this invention is to provide a ventilator for windows that may be adjusted to hold the sash at any desired degree of opening.

A still further object of this invention is to provide a ventilator for a window sash that may be screened permitting the air to pass through but preventing insects from passing through.

Other objects of this invention may be apparent by reference to the drawing and detailed description in which,

Fig. 1 is a perspective illustrative of the ventilator mounted on a window sash.

Fig. 2 is a perspective view of the ventilator with a screen mounted therein.

Fig. 3 is an elevational view of one upright of the ventilator as it is formed in stamping.

Fig. 4 is an elevational view of the other upright, and

Fig. 5 is a perspective view partially in cross-section illustrating the formation of the lower portion of the upright in Fig. 3.

In the embodiment of the invention illustrated in Fig. 1 there is a ventilator 10 illustrated as being mounted on a window sash 11. The ventilator 10 includes a pair of uprights 12 and a pair of glass supporting uprights 13. The uprights 12 are formed with a long slot 14 cut in the center of the uprights. A plurality of screws attaching perforations 15 are provided in the upright 12. The uprights 13 are formed as illustrated in Fig. 3 with the upright portion 16 having two perforations 17 and a handle or turned over end 18. The upright 13 also has an enlarged lower end 19 in which a slot 20 is provided or formed. The upright 13 has its lower end portion 19 bent in at a right angular formation as indicated in Fig. 1 so that a portion 21 is at right angles to the portion 19. The uprights 12 and 13 are both formed with a slight bellied formation or mating tracks

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in the center section 22 so that a pair of bolts 23 having enlarged portions 24 may be fitted behind the upright 12 through the slot 14 through the perforation 17 and when in place the inner face of upright 12 may be in line with the heads 24 of the bolts 23. A wing nut 25 is provided for each of the bolts 23 and as illustrated in Fig. 1 is the means of tightening the relationship between the uprights 12 and 13 to hold them in any set relationship. Referring to Fig. 5 the portion 21 of upright 13 is formed at right angles to the portion 19.

In use the ventilator is mounted by attaching the upright 12 to the sash of the window with the bolts 23 mounted in the slot 14. The upright 13 is next placed so that the bolts 23 are passed through the perforations 17 and the wing nuts 25 are threadably secured on the bolts 23. When both pairs of uprights have been mounted a glass or any form of desired material may be inserted in the slots 20 after it has been cut to the exact size for the window as in the portion illustrated in Fig. 1; or an adjustable glass may be inserted, thus the room or interior may be provided with the necessary ventilator. However, the opening of the sash with relation to the ventilator, may be adjusted at will. Also, the ventilator may be held firmly to the sash and may be raised with the sash.

Another embodiment of this invention is illustrated in Fig. 2 in which the uprights 12 and 13 are similar to those described in the former embodiment but in this instance a screen 30 is cut and formed as illustrated in Fig. 2 and may be inserted either with a glass or with a portion of glass or without the glass to provide the necessary ventilator and at the same time the necessary protection of the ordinary screen.

Although preferred forms have been shown it will be understood that a mechanical working within the scope of what is claimed, may make changes, without departing from the spirit of the invention.

What is claimed is:

1. In a ventilator, a pair of channeled uprights fixed to a sash, a second pair of uprights formed to mate with and slidably attached to the first mentioned uprights, a pair of side enclosing members connected to the second mentioned pair of uprights and provided with aligned grooves to support a glass in said members, said glass supporting means having its aligned slots disposed at an angle to said first pair of uprights to retain said glass, and means to position said second

mentioned uprights in a set relationship with first mentioned uprights.

2. In a ventilator including two channeled uprights permanently fixed to the sides of a window sash, two movable glass supporting side shields with parallel extensions, said permanently fixed uprights having slots running the full length of said channels, said glass supporting side shields having extended uprights formed to mate with said permanently fixed uprights, said extended uprights of said glass supporting shields having a pair of clamps that are fitted into the said slots in said first mentioned uprights, a glass mounted between said glass supporting side shields, means to position said glass and said glass supporting side shields in a set relationship with the first mentioned pair of uprights.

3. In a ventilator, the combination of two permanently set uprights provided with central slots and fixed to a window sash, two movable uprights slidably fixed to the first mentioned uprights, a pair of side shields with aligned slots that are disposed at an angle to said first pair of uprights and are attached to the second mentioned pair of uprights, a ventilator in the form of a solid sheet of material mounted in the said slots of said side shields to form an enclosing angularly positioned wall, and means to position the movable uprights in a fixed relationship with the permanently set uprights.

4. In a ventilator, a pair of channeled uprights fixed to a sash, a second pair of uprights formed to mate with and slidably attached to the first mentioned uprights, a pair of side enclosing members connected to the second mentioned pair of uprights and provided with aligned grooves to support a screen to said second mentioned pair of uprights, said screen formed of two panels that are disposed at an angle to each other, said screen supporting means having aligned slots disposed at an angle to said first pair of uprights to retain the one panel of said screen, and said other panel of said screen enclosing the top area of said ventilator and being disposed at 90° to said sash, and means to position said second mentioned uprights in a set relationship with said first mentioned pair of uprights.

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