J. O. BARKER.

VENTILATOR FOR WINDOWS.

APPLICATION FILED MAR. 8, 1909.

946,097.

Patented Jan. 11, 1910.

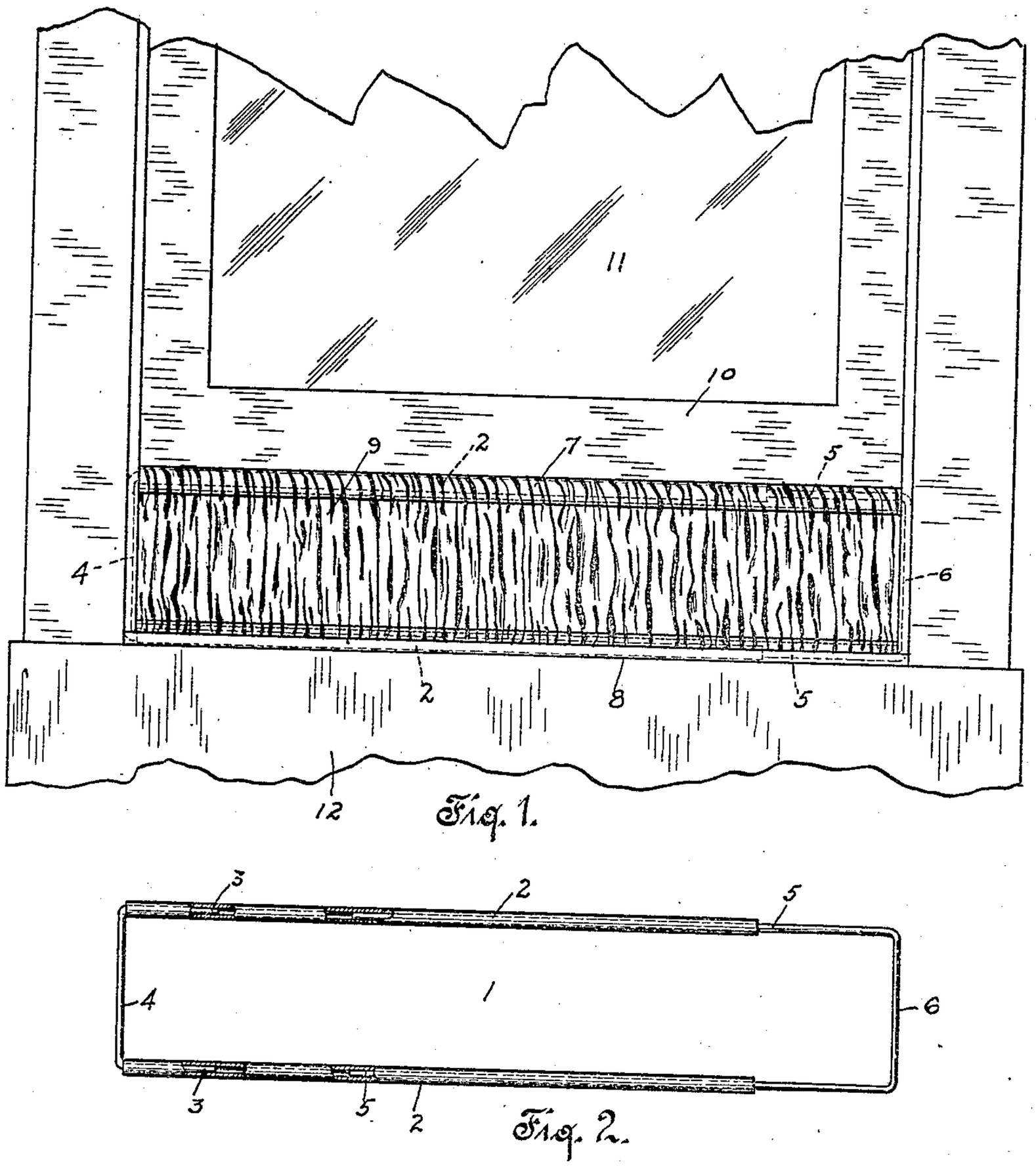

Fig. 1.

Fig. 2.

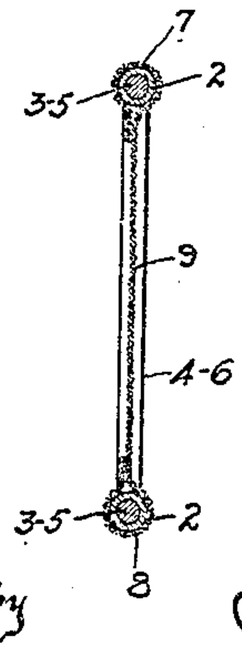

Fig. 3.

Witnesses:
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Inventor:
Jesse O. Barker
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UNITED STATES PATENT OFFICE.

JESSE O. BARKER, OF CHICAGO, ILLINOIS.

VENTILATOR FOR WINDOWS.

946,097. Specification of Letters Patent. **Patented Jan. 11, 1910.**

Application filed March 8, 1909. Serial No. 482,125.

To all whom it may concern:

Be it known that I, JESSE O. BARKER, 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 Windows, of which the following is a specification.

My invention relates to ventilating devices, and more specifically to such as are adapted to be applied to a window.

The object of my invention is to provide a ventilator of the character mentioned adapted, when arranged in a window, to permit of the passage of air through the same in such a manner as to obviate all possibility of a draft being caused in the room ventilated, and further one which will prevent dust, snow or other foreign matter entering.

A further object is to provide a ventilator for windows which will be adjustable in its construction, adapting the same to be applied to any window of a width within ordinary range.

A further object is to provide a ventilator which will be efficient, durable and simple of construction, hence of low cost to manufacture.

Other objects will appear hereinafter.

With these objects in view my invention consists in a ventilator characterized as above mentioned and in certain details of construction and arrangement of parts all 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 illustrates the application of the preferred form of my device to a window, Fig. 2 is a front elevation of the frame of my ventilator, and Fig. 3 is an enlarged cross section of the complete device.

Referring now to the drawings 1 indicates the preferably rectangular frame of my device, the same being formed of any suitable material but preferably of metal such for example as brass. Comprised in said frame are similar tubular members 2—2 which may be of any suitable length or diameter. Having its parallelly extending end portions 3—3 preferably fixedly secured in corresponding end portions of said members 2—2 is a U-shaped member 4 of any suitable dimensions. Having its parallelly extending end portions 5—5 slidably secured in opposite end portions of the member 2—2 is a U-shaped member 6. As shown, the end portions 3—3 of the member 4 are preferably short in length and the end portions 5—5 of the member 6 perpendicularly long. By such construction the longitudinal adjustment of said frame may evidently be readily effected. Having its upper and lower edge portions 7 and 8 respectively suitably secured to the longitudinally extending portions of said frame is a curtain 9 of any porous material, such for example as cheese-cloth or coarsely woven linen. The edge portions 7 and 8 of said curtain are preferably hemmed in construction, as shown in Fig. 3, the longitudinal frame portions being adapted to rest in the loop formed thereby, said curtain being of such a length as to be adapted to accommodate the greatest length to which the frame 1 may be adjusted, thereby adapting the same to accommodate any length to which the frame is adjusted. Upon said curtain becoming soiled the same may obviously be readily removed for cleansing.

In applying the ventilator to a window, the same is preferably positioned so that the longitudinal edges thereof rest between the under edge of the bottom bar 10 of the lower window sash 11 and the window-sill 12, the lateral edges thereof being adjusted to rest in corresponding sash weights or grooves provided in the opposite sides of said sash frame. However, if desired, the device may be arranged at the top of the window in the same relative position.

While I have shown what I deem to be the preferable form of my device, I do not wish to be limited thereto, as there might be various changes made in the details of construction thereof without departing from the spirit of my invention comprehended within the appended claims. And although I have designed my device with special reference to its use in conjunction with a window, I may use the same in any other connection to which it is applicable.

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

1. A ventilator comprising a long and comparatively narrow adjustable rectangular frame adapted to be inserted between the rail of a window-sash and a frame, said rectangular frame consisting of two long me-

tallic tubes and having one end piece made of a single piece of wire rod bent into U-form with short limbs secured in said tubes, the other end piece being made of a single piece of wire rod bent into U-form with long limbs sliding in said tubes; and a porous flexible fabric loosely secured to the long sides of said frame, substantially as described.

2. A ventilator comprising a long and comparatively narrow adjustable rectangular frame adapted to be inserted between the rail of a window sash and frame, said rectangular frame consisting of two long metallic tubes and having one end piece made of a single piece of wire rod bent into U-form with short limbs secured in said tubes, the other end piece being made of a single piece of wire rod bent into U-form with long limbs sliding in said tubes; and a porous flexible fabric having hemmed loops on its upper and lower edges adapted to receive said metallic tubes and of a length equal to the combined lengths of said tubes and one limb of the longer U-shaped member, substantially as described.

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

JESSE O. BARKER.

Witnesses:
JOSHUA R. H. POTTS,
HELEN F. LILLIS.