This invention relates to window attachments and has for its object the provision of a novel combined screen and ventilator adapted to be inserted within a window frame beneath the lower rail of the bottom sash or above the upper rail of the top sash as preferred, the sashes being of course opened to permit this insertion, the device being furthermore adjustable to fit windows of different sizes.

An important object is the provision of a device of this character provided with means whereby wire screens may be held in place for use in summertime or whereby waterproof fabric may be held in place for use in winter time to provide a ventilator.

Yet another object is the provision of a novel method of attaching the wire screen or the waterproof cloth, as the case may be, whereby replacement may be easily effected whenever such is necessary, an additional feature being the fact that when the fabric or screen is rusted out, torn or otherwise useless, it may be easily replaced by a new one without it being necessary to replace the entire screen frame.

Another object of the invention is to provide a device of this character which will be simple and inexpensive in manufacture, easy to install, attractive in appearance, positive in action, efficient and durable in service, and a general improvement in the art.

With the above and other objects and advantages in view, the invention consists in the details of construction, the arrangement and combination of parts to be hereinafter more fully described and claimed, and illustrated in the accompanying drawings, in which:

Figure 1 is an elevation of a window frame with the device in applied position beneath the lower sash.

Figure 2 is a perspective view of the two sections of the frame disconnected.

Figure 3 is a detail section taken on the line 3—3 of Figure 1.

Figure 4 is a section on the line 4—4 of Figure 2.

Figure 5 is a cross section taken on the line 5—5 of Figure 2.

Figure 6 is a detail view of the wire screen showing the fastening means thereon.

Figure 7 is a detail cross section taken on the line 7—7 of Figure 6, and

Figure 8 is an elevation of the waterproof fabric used when the device is converted into a ventilator.

Referring more particularly to the drawings, the letter A designates a window frame including the usual stiles B and sill C. The letter D represents the glazed sash which is slidably mounted within the frame in the usual manner. These parts are shown as described, although they form no part of the present invention, insomuch as it is believed that a showing thereof is necessary to a proper illustration.

In carrying out the invention, I provide a frame designated broadly by the numeral 10, which frame is shown as comprising two sections 11 and 12 telescopically arranged so as to be capable of extension or contraction to fit windows of different sizes. The frame 11 is shown as comprising upper and lower channel members 13, and end member 14 likewise of channel formation and an end member 15 formed simply as a strip. In other words, the frame section 11 while being of channel shape is open at one end to receive the section 12. The channel members of the frame section 11 are shown as provided at one edge with an upturned lip or flange 16.

The frame section 12 is of similar construction insomuch as it includes upper and lower channel members 17 connected at one end by a channel member 18 and at the other end by a strip 19. The cross sectional size of the members 17 is such that they may fit slidably within the members 13 of the frame section 11 to permit adjustment. One portion of each of the members 17 has its edge engaged behind the flange or lip 16 of the corresponding member 13 of the frame section 11 as clearly indicated in Figure 3 so that the two sections will be held rigidly when assembled. The members 17 are inwardly offset at one wall as indicated at 20 for a purpose to be described.

It is intended that the frame sections 11 and 12 be covered with wire screen, indicated at 21 in Figures 1 and 6, or with waterproof fabric 22 shown in Figure 8. To provide means for attachment of the screen or fabric to the frame sections, the section 11 is provided at the inner face of one side portion with a plurality of headed studs 23, while the section 12 carries similar headed studs 24 which extend outwardly from one side. The above described offset...
20 in the rails or members 17 of the section 12 are provided for the purpose of permitting the side wall to clear the headed studs 23 of the section 11, as will be readily apparent from an inspection of Figure 3. The wire screen 21 is provided at its edges with a plurality of eyelets 25 and the fabric 22 is provided at its edges with similar eyelets 26 adapted to be engaged upon the selected stud 23 or 24. When either the screen or the fabric is in place it is obvious that the frame comprising the sections 11 and 12 will be covered throughout owing to the overlapping of the screen or fabric carried by the sections 11 and 12.

If preferred, the edges of the wire screen may be reinforced by binding strips indicated at 27 and the edges of the fabric may be stiffened or reinforced by similar binding strips 28.

From the foregoing description and a study of the drawings, it will be readily apparent that I have thus provided a very simple and inexpensive combined screen and ventilator device which is fully adjustable to fit windows of different sizes and which is readily convertible for use in one capacity or the other, as the occasion may demand. Attention is directed to the fact that in case the water-proof fabric or the screen should become torn or otherwise damaged it may be readily replaced and it is likewise true that in case it is desired to remove the screen wire and insert the fabric, or vice versa, the same can be readily accomplished in a very short time.

It is believed that the construction, operation and advantages will be readily apparent to one skilled in the art without further explanation. While I have shown and described the preferred embodiment of the invention, it should be understood that I reserve the right to make such changes in the form, construction and arrangement of parts as will not depart from the spirit of the invention or the scope of the subjoined claims.

Having thus described the invention, I claim:

1. A device of the character described comprising a frame, formed of rectangular sections telescopically engaged, one section being provided exteriorly with a series of headed studs and the other section being provided interiorly with a series of headed studs, a wire screen for each section, and means on the wire screen detachably engaged upon the studs.

2. A device of the character described comprising a frame, formed of rectangular sections telescopically engaged, one section being provided exteriorly with a series of headed studs and the other section being provided interiorly with a series of headed studs, a wire screen for each section, and means on the wire screen detachably engaged upon the studs, each section including frame members of channel formation, a portion of the member of one frame being offset inwardly to clear the first named series of headed studs.

In testimony whereof I affix my signature.

ARTHUR R. HINKLE.