J. T. MEGREDY.

DEFLECTOR.

APPLICATION FILED AUG. 25, 1913.

1,096,313. Patented May 12, 1914.

Fig. 1

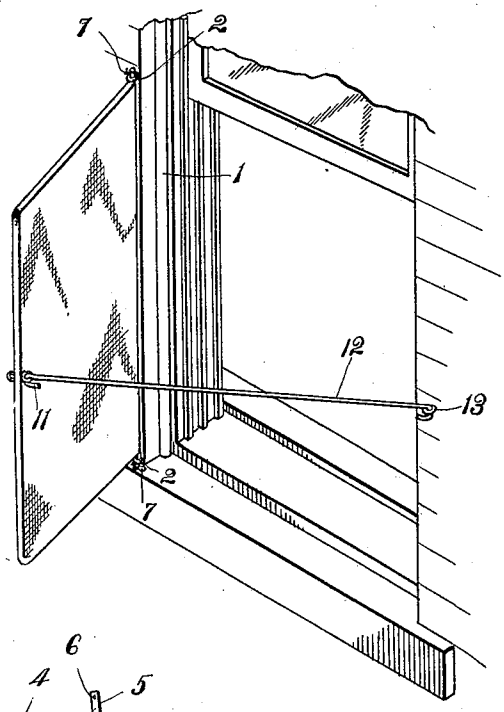


Fig. 2

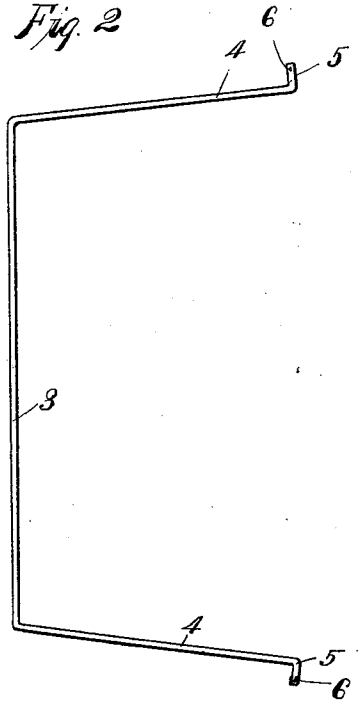


Fig. 3

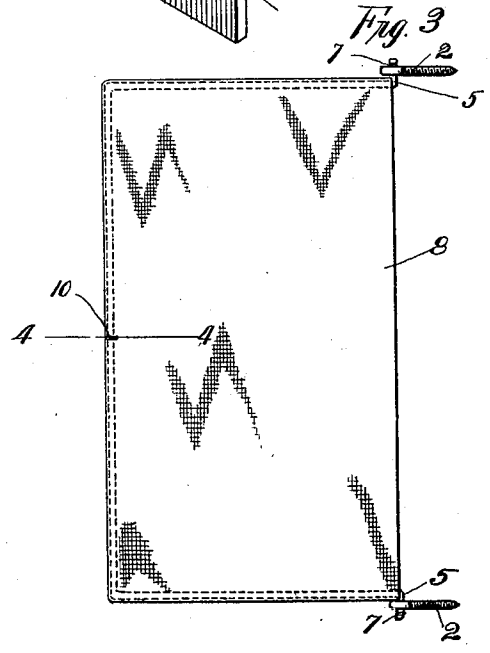
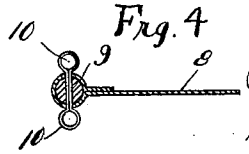


Fig. 4



WITNESSES:

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JOHN T. MEGREDY, OF KANSAS CITY, MISSOURI.

DEFLECTOR.

1,096,313. Specification of Letters Patent. Patented May 12, 1914.

Application filed August 25, 1913. Serial No. 786,381.

To all whom it may concern:

Be it known that I, JOHN T. MEGREDY, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a certain new and useful Improvement in Deflectors, of which the following is a specification.

My invention relates to deflectors and more particularly to a device for deflecting air into the window of a residence or other building, the principal object of the invention being to provide a deflector, which may be applied to the side of a window frame, so that a current of air flowing past the window may be deflected through the window and into the room in the building, to create a circulation of air within the building and cool the interior thereof. In accomplishing this object I have provided improved details of structure, the preferred form of which is illustrated in the accompanying drawings, wherein:—

Figure 1 is a perspective view of a window frame equipped with a deflector containing my improvements. Fig. 2 is a detail view of the deflector frame. Fig. 3 is a detail view of the deflector frame with the covering applied thereto, showing the frame sprung to hold the covering taut and to fit within the carrying eyelets. Fig. 4 is a cross-section on the line 4—4, Fig. 3, showing the stay-rod eyelets.

Referring more in detail to the parts:— 1 designates an ordinary window frame, having screw eyes 2 fixed in spaced relation on its outer face; the lower screw eye being located at the bottom of the frame, and the upper one at about the center, so that the space therebetween corresponds with the lower portion of the window opening.

3 designates the deflector frame, which preferably comprises a metallic rod having outwardly bent resilient end arms 4 provided with laterally turned tips 5, which are adapted for projection through the screw eyes 2 on the window frame, and have apertures 6 through which cotter pins 7 may be projected to lock the frame in place. The frame 3 is adapted for carrying a covering 8 of fabric, or any suitable material comprising a solid body, having one edge turned back and sewed to provide a channel 9 for containing the frame rod 4; it being apparent that when the channel is of sufficient width the rod may be applied by drawing the cover thereover; or that the cover may be sewed on to the rod. The cover is rectangular in shape and is adapted for holding the end members of the frame rod, when the latter have been bent to fit within the cover channel; or inversely, the rod, when bent to fit within the channel, will hold the cover taut.

The body of the frame is provided, at about its center, with oppositely directed eyelets 10, which are adapted for engagement by the hook 11 of a spacing rod 12, the opposite end of which is adapted for projection through an eyelet 13 on the building, at the side of the window frame, opposite the screw eyes 2, so that when the deflector is mounted on the window frame, the spreading rod will retain the frame in operative position.

In using the device, a pair of screw eyes is arranged at each side of the window frame and the deflector, which has been constructed as described, is mounted in the proper pair of screw eyes to deflect a current of air into the room; the spacing rod being arranged to hold the deflector open, and in proper position to catch the current of air.

It is apparent that with a device of this construction, air which would ordinarily pass along the side of the building will be caught by the deflector and directed into the room, so that the interior thereof may be cooled. It is also apparent that should the air currents be flowing in the opposite direction, the deflector may be removed from the first named pair of screw eyes and arranged at the opposite side of the window opening, so that it will catch the air and deflect same as heretofore described.

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

1. A deflector comprising a frame having resilient end portions normally arranged at an obtuse angle to the body portion, and having laterally turned tips, a rectangular cover mounted on the frame and holding said end portions under tension, and anchoring members adapted for receiving the tips and for supporting the deflector on a window frame.

2. A deflector comprising a frame having resilient end portions normally arranged at obtuse angles to the body portion, and having laterally turned tips, a rectangular cover

mounted on the frame and holding said end portions under tension, anchoring members adapted for receiving the tips and for supporting the deflector on a window frame, and means on opposite sides of the frame body for receiving a spacing rod.

3. The combination with a window frame, of paired screw eyes arranged at opposite sides of the frame, a deflector comprising a frame member having out-turned ends adapted for projection through said paired screw eyes and having pivotal mounting therein, means for retaining said frame member in its mounting, an eye member projecting from each side of the frame, a spacing rod adapted for removable application to either of said eye members, and an eyelet on each side of the window frame adapted for receiving said spacing rod.

4. In a deflector, a frame comprising a substantially U-shaped resilient member, the arms of which diverge and are provided with laterally turned ends, and a flexible covering mounted on said frame and held taut by the resiliency of said resilient member.

5. In a deflector, a window frame, two pairs of anchoring members arranged one pair at each side of the window frame, a resilient frame adapted to be detachably supported upon either pair of said anchoring members, and a flexible covering mounted on said frame and held under tension by the resiliency thereof.

6. In a deflector, a window frame, two pairs of anchoring members arranged one pair at each side of the window frame, a resilient frame adapted to be detachably supported upon either pair of said anchoring members, a flexible covering mounted on said frame and held under tension by the resiliency thereof, and a brace arranged to have its ends detachably connected to said frame and to said window frame respectively.

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

JOHN T. MEGREDY.

Witnesses:
E. B. HOUSE,
J. C. IRWIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."