This invention relates to improvements in window screens and ventilators, and more particularly to a combined window screen and ventilator which may be substituted for the old type of screen, and which will permit a person within a room of a house to lean out beyond the side of the house to look down into the street, and will also serve to deflect the air from outside the house through the screen and into the room, thereby providing a constant ventilation for the room.

An object of the invention is to provide an improved window screen and wind deflector and ventilator which will extend out beyond the side wall of a house, to permit a person within a room of the house to lean out beyond the side wall of the house without having to raise or move the screen if it is desired to look directly down on the ground below the window.

A further object of the invention is to provide a combined window screen, wind deflector and ventilator which may be quickly and readily substituted for the old type window screen, and which will be held in place by springs located within the frame of the screen.

A still further object of the invention is to provide an improved window screen, wind deflector and ventilator which will be quite inexpensive to manufacture and highly efficient in use.

Other objects will appear as the description proceeds.

In the accompanying drawings which form a part of my application,

Figure 1 is a perspective view of a window screen formed in accordance with my invention and adapted to fit within half of a window frame;

Figure 2 is a perspective view of a full length screen incorporating my invention in the lower half thereof, and

Figure 3 is a side view of the wind deflector used in connection with my improved screen.

Like characters of reference are used throughout the following specification and the accompanying drawings to designate corresponding parts.

In carrying out my invention, I provide a substantially rectangular frame 1, which is provided at one side with a sliding locking member 2 having spaced pins 3 slidably within the slots 4 formed in the adjacent side member of the frame 1. Springs 5 will be inserted between the adjacent surface of the member 2 and the adjacent surface of the side frame member to resiliently tension the locking member 2, and to assist in placing and holding the frame 1 within a window frame. A knob 6 having a shank 7 extending through the side member of the frame 1, will be secured to the locking member 2 to pull the same against the tension of the springs 5, when placing the frame in a window frame, or removing the same therefrom. A handle 8 will be placed on the opposite side member of the frame 1 to assist in the manipulation of the same. A pair of bowed side members 9 extend from the top to the bottom of the frame 1 at each side thereof, and are braced with a connecting strip 10, formed preferably from some light metal. Wire screening 11 of small mesh is then placed over the bowed members and at the sides thereof, to completely close the frame 1 so that flies and insects can not pass through the same. From the drawings, it will be apparent that the screen extends upwardly and outwardly from the lower frame member at a decided angle, and is bowed backwards to meet the upper frame member, thereby providing sufficient space for a person to lean out beyond the frame, to look downward immediately below a window thus equipped, without having to raise the screen or swing the same outwardly as is the custom with solid screens.

A strip 12 is placed in a vertical position and connects the upper and lower members of the frame 1, and is provided adjacent its central portion with a socket 13. A wind deflecting plate 14 having the same approximate shape as the transverse section through the screen is provided with a hook-bearing 15 adapted to be received within the socket
13 so that the deflector may automatically swing according to the direction of the air passing the window, thereby deflecting the air which would normally pass the window into the same to the room.

5 In Figure 2 of the drawings, I have shown my improved window screen and wind deflector formed in conjunction with a full length screen to completely fill a double sash window frame.

10 It will be obvious that many minor changes in detail of construction may be resorted to without departure from the spirit of the invention.

13 Having thus described my invention what I claim as new and desire to secure by Letters Patent of the United States is:

1. In a window screen, the combination of a frame, bowed side members extending outwardly from said frame beyond the vertical plane thereof, a wind deflector supported by said frame and extending outwardly between said side members, screening secured to said frame and enclosing said side members and wind deflector, and resilient means for holding the frame within a window frame.

2. The combination as set forth in claim 1, and a bracing strip connecting said side members.

3. The combination as set forth in claim 1, a bracing strip connecting said side members, and means for adjusting the angle of said wind deflector.

15 In testimony whereof I affix my signature.

RICHARD NOPPENZ.