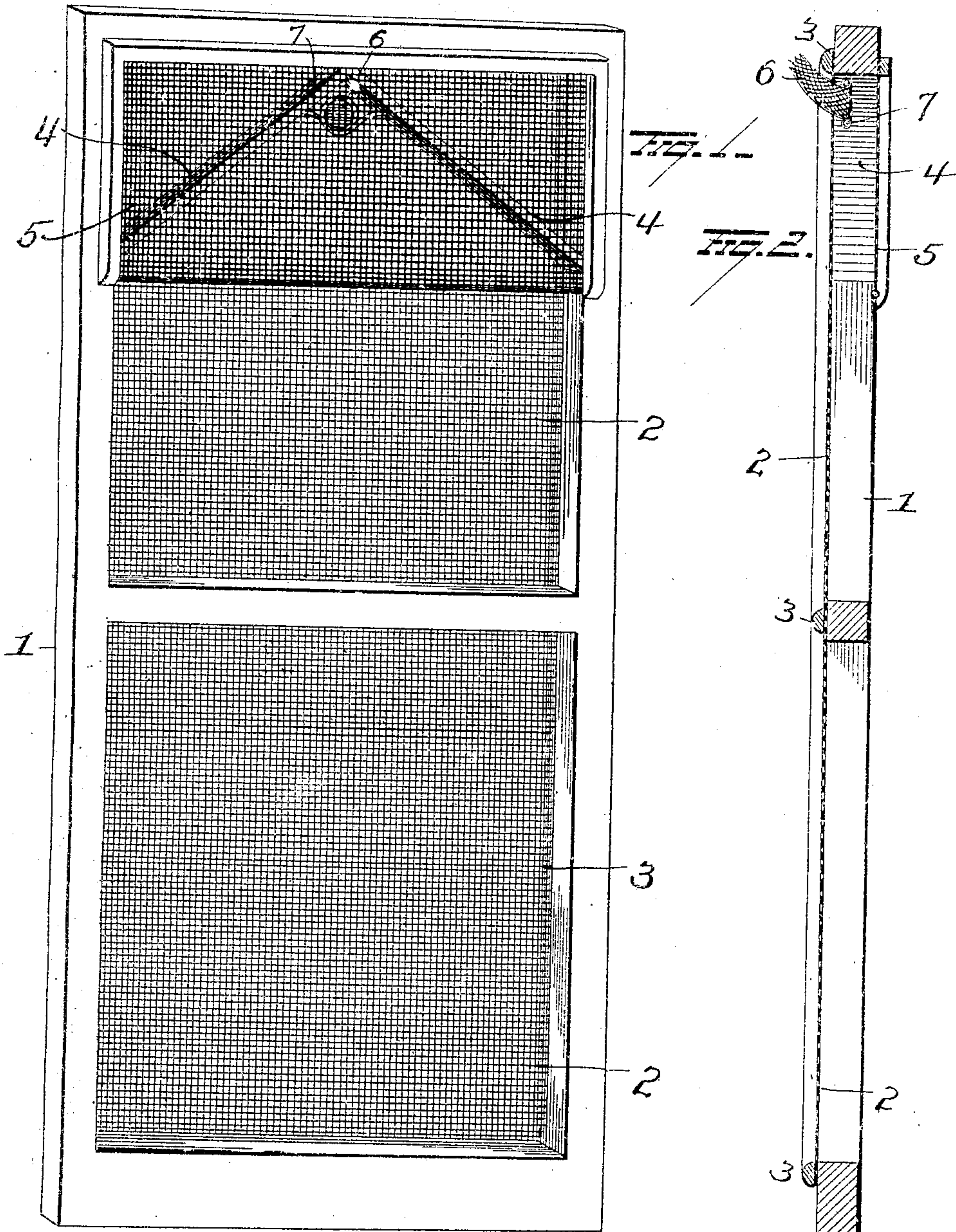


No. 810,534.

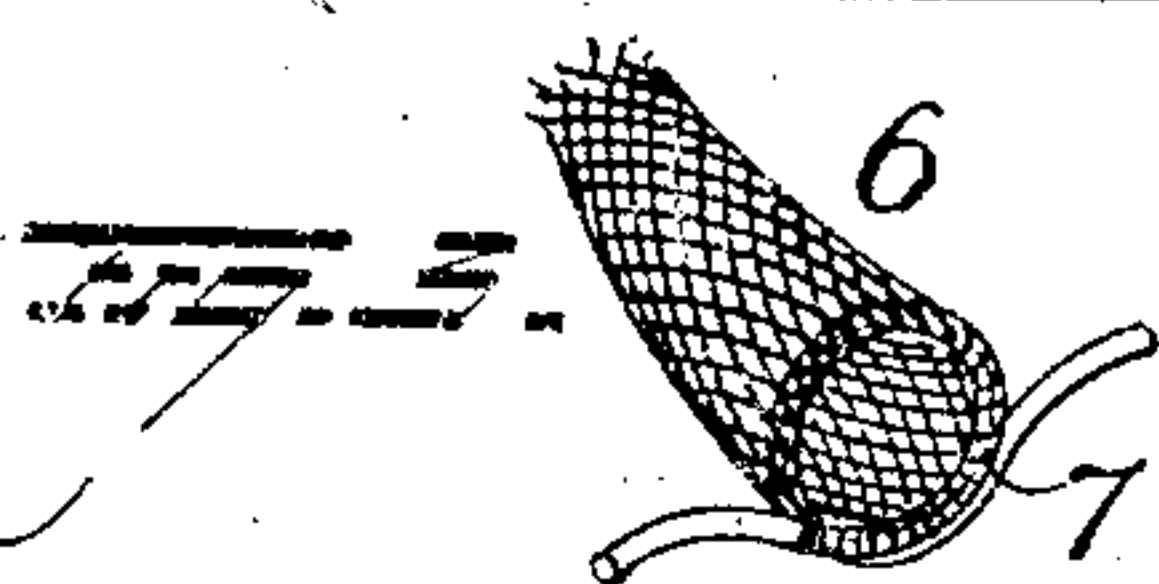
PATENTED JAN. 23, 1906.

W. E. HART.
FLY SCREEN.

APPLICATION FILED MAY 22, 1905.



WITNESSES
E. Nottingham
G. F. Downing



INVENTOR
W. E. Hart
By H. A. Seymour
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM E. HART, OF GREATBEND, KANSAS.

FLY-SCREEN.

No. 810,534.

Specification of Letters Patent.

Patented Jan. 23, 1906.

Application filed May 22, 1905. Serial No. 261,574.

To all whom it may concern:

Be it known that I, WILLIAM E. HART, a resident of Greatbend, in the county of Barton and State of Kansas, have invented certain new and useful Improvements in Fly-Screens; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in fly-screens, the object of the invention being to so construct screen doors and windows as to permit and practically compel flies which light on the inside thereof to escape to the outside and prevent any possibility of their return by the same route; and the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in elevation, illustrating my improvements. Fig. 2 is a view in vertical section, and Fig. 3 is a view of the outlet-tube removed.

1 represents the screen-frame, which may be of any material, shape, and construction to suit conditions of its use, having a wire-netting 2 secured to one face and having its edges provided with strips 3 to overlie and confine the edges of the wire-netting. In the upper portion of the screen-frame inclined bars 4 are secured and are joined at the center of the top bar. A short wire-netting apron 5 is secured to the inner face of the frame 1 against bars 4, and as the bars 4 are of the proper thickness or width to snugly fit between the outer netting 2 and inner apron 5 flies walking up the screen are directed by the inclined bars 4 to the central upper portion of the screen, where my improved outlet spout or tube 6 is located, and will now be described in detail.

The tube 6 is of wire-netting having its outer end ragged to prevent entrance therein from the outside, and the inner end of the tube is secured about the centrally-coiled portion of a wire 7. The ends of the wire 7 are secured to bars 4, and the wire holds the tube 6 properly in the opening in the screen, so as to provide easy entrance thereinto from the inside for the flies which walk to the upper end of the screen.

As is well known, when flies light upon a screen or other device they always walk in an upward direction, and with my improvements the flies pass into the space behind apron 5, and when they find that they cannot fly backward into the room they will continue their upward course and, guided by bars 4, will see the outlet through tube 6 and will enter and escape therethrough. The apron 5, netting 2, and bars 4 form, in effect, a trap from which the only outlet for flies is through the tube 6, as the flies rarely if ever walk down a screen. My improvements applied to a screen afford perfect escape for the flies without sacrificing the air-circulating space in the slightest, as the air can freely pass through the screen above bars 4 as well as below them.

Slight changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. The combination with a frame, of two screens secured thereto and spaced apart, one of said screens shorter than the other and leaving an unobstructed inlet to the space between said screens at the lower end of the shorter screen, diagonal bars secured to the frame between said screens, a supporting device disposed between said bars and secured at its ends thereto, and a tube secured to said supporting device and passing through one of said screens.

2. The combination with a screen having an opening therein, of guide-bars converging at the opening, a wire coiled between its ends and secured to the guide-bars, and a tube of wire-netting secured to the coil of the wire and projecting through the opening in the screen.

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

WILLIAM E. HART.

Witnesses:

W. H. DODGE,
C. F. WILKINS.