

J. F. BEATTY.
 WINDOW SCREEN MOUNTING.
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935,577.

Patented Sept. 28, 1909.

Fig. 1.

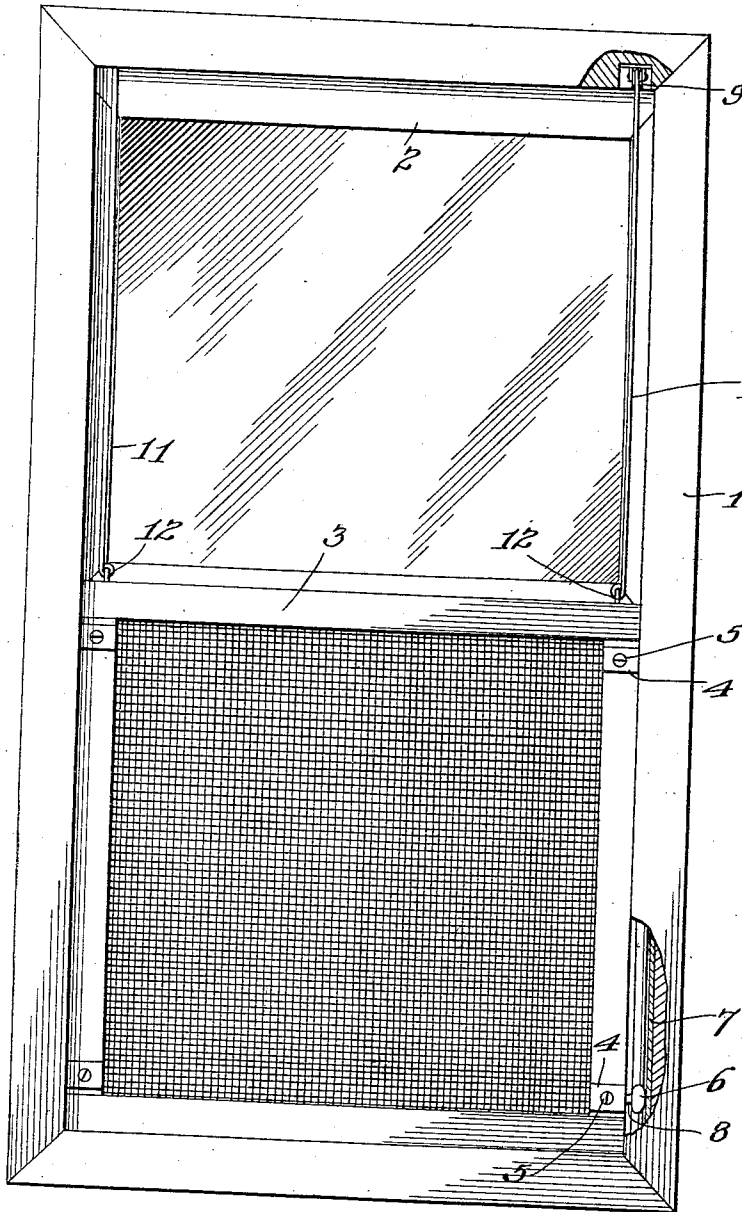
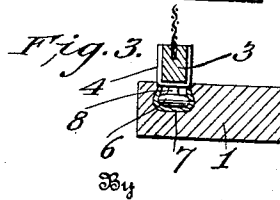
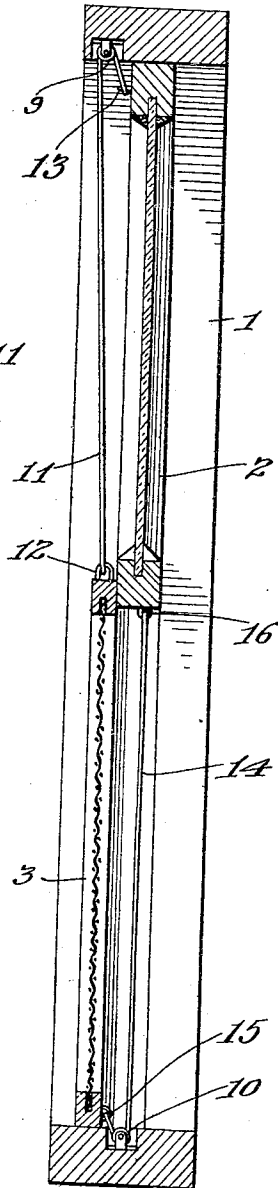


Fig. 2.



Witnesses

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WINDOW-SCREEN MOUNTING.

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To all whom it may concern:

Be it known that I, JOHN F. BEATTY, a citizen of the United States, residing at Morton, in the county of Delaware and State of Pennsylvania, have invented certain new and useful Improvements in Window-Screen Mounting, of which the following is a specification.

My invention relates to an improved window screen mounting, the object of the invention being to so mount the screen in connection with a window sash, that when the screen is raised or lowered, the sash will be lowered or raised and hence they will operate in unison to compel the screen to be promptly lowered when the sash is raised, and vice versa.

With these objects in view, 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 claim.

In the accompanying drawings, Figure 1, is a view in elevation partly in section illustrating my improvements. Fig. 2, is a view in vertical section, and Fig. 3, is a view in cross section.

1 represents an ordinary window frame in which a sash 2 is mounted to slide, and while I have shown but a single sash, it is to be understood that my improvements are adapted for use in connection with the usual form of upper and lower sash, the screen being mounted to move simultaneously with the operation of the lower sash only.

3 represents a sliding screen, to the vertical side bars of which forked-brackets 4, are secured by means of screws 5, and are provided with rounded heads 6, the latter located in metal guides 7, secured to the window frame 1. These guides 7 are curved laterally to partially surround the heads 6, and the longitudinal edges of the guide strips 7 are spaced apart to form a slot to accommodate the neck portion 8, between the heads 6 and brackets 4, and permit the screen to freely slide, without danger of falling out of the frame.

Two pulleys 9 are mounted in the upper cross bar of the window frame, and two pulleys 10 are mounted in the lower cross bar

of the window frame. Ropes, wires, or other suitable flexible connecting devices 11 are secured at one end to the upper cross bar of the window screen 3 by means of staples 12, are passed over the pulleys 9, and secured at their other ends to the upper cross bar of the sash 2 by means of staples 13. Similar flexible connecting devices 14 are secured at one end of the lower cross bar of the screen 3 by means of staples 15, are passed around pulleys 10 and are secured at their other ends to the lower cross bar of the sash 2 by means of staples 16.

By reason of this construction of mounting for the screen, when the parts are in the positions shown in Figs. 1 and 2, should the screen be raised the lower pair of connecting devices 14 will draw the sash 2 downward, so that the sash will be closed when the screen is raised. When the screen is lowered, the upper pair of connecting devices 11 will draw the sash upward to open position. Hence it will be observed that by raising and lowering the screen, the sash is raised and lowered, hence obviating a separate manipulation of the screen and sash.

Sight changes might be made in the general form and arrangement of 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 changes and alterations as fairly fall within the spirit and scope of my invention.

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

In combination with a window frame, a sash and a screen mounted to slide in said frame, of guide-ways secured in the frame, bifurcated brackets secured to the screen, circular heads on said brackets mounted to slide in the guide-ways, a pair of pulleys mounted in the upper cross bar of the window frame, a pair of pulleys mounted in the lower cross bar of the frame, flexible connecting devices secured at one end to the upper cross bar of the screen, passed over pulleys in the upper cross bar of the frame, and secured to the sash, a second pair of

flexible connecting devices secured at one
end to the lower cross bar of the screen,
passed under the pulleys in the lower cross
bar of the frame, and secured to the sash,
5 whereby the sash and the screen are com-
pelled to simultaneously move in opposite
directions.

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

JOHN F. BEATTY.

Witnesses:

J. A. L. MULHALL,
R. H. KRENKEL.