

R. B. MORSE.
WINDOW SCREEN.
APPLICATION FILED JULY 10, 1912.

1,048,474.

Patented Dec. 24, 1912.

Fig. 1.

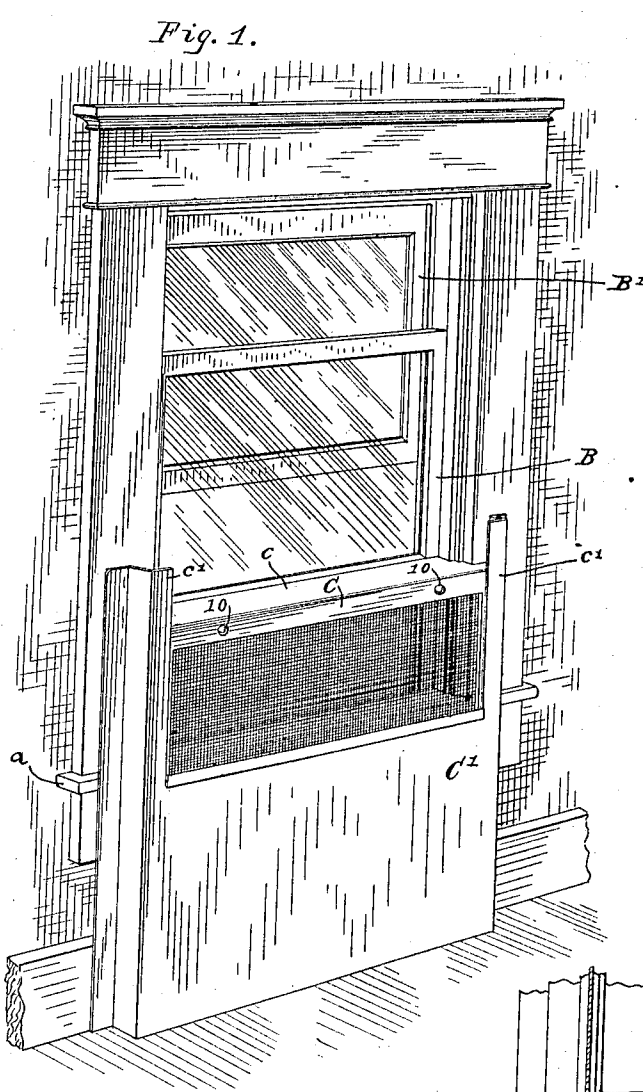


Fig. 2.

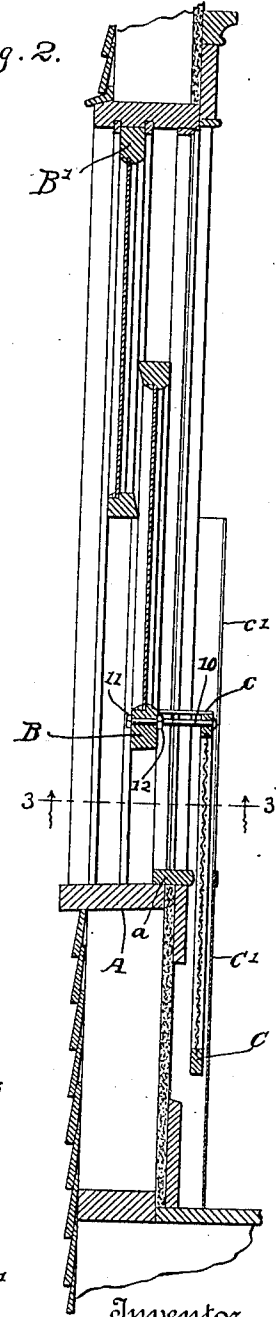
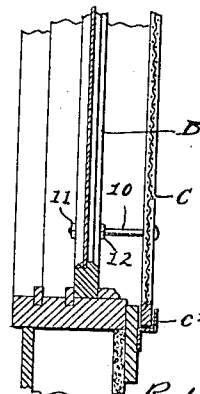


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

ROBERT B. MORSE, OF STAPLETON, NEW YORK.

WINDOW-SCREEN.

1,048,474.

Specification of Letters Patent.

Patented Dec. 24, 1912.

Application filed July 10, 1912. Serial No. 708,726.

To all whom it may concern:

Be it known that I, ROBERT B. MORSE, a citizen of the United States, residing at Stapleton, Staten Island, Richmond county, and State of New York, have invented and discovered certain new and useful Improvements in Window-Screens, of which the following is a specification.

My said invention consists in certain improvements in the construction and arrangement of parts of window screen structures, whereby a screen of ordinary construction may be fitted to any window and adapted to slide with the sash and guard the opening without any independent adjustment, the screen sliding and operating entirely with the window sash, all as will be hereinafter more fully described and claimed.

Referring to the accompanying drawings, which are made a part hereof and on which similar reference characters indicate similar parts, Figure 1 is a perspective view showing a window provided with a screen of my improved arrangement; Fig. 2, a longitudinal section through the window structure showing the screen attachment as in position for use, and Fig. 3 a detail cross section looking in the direction indicated by the arrows from the dotted line 3—3 in Fig. 2.

In said drawings the portions marked A represent the window sill, B the lower sash, B' the upper sash, and C the screen frame.

All of the parts constituting the window frame structure, the sash and the screen frame are, or may be, of a common, or any approved, construction and arrangement and require no special description. Said screen frame is covered with appropriate screen cloth and is attached to the lower rail of the sash B by means of bolts 10 which extend through the upper rail of said screen frame and through said lower rail of the sash, being preferably provided with nuts 11 and 12 on each side of said sash rail respectively, in order to maintain said bolts in fixed position. Said bolts project outwardly from said sash a distance sufficient to carry the screen frame free from the lower ledge *a* of the window casing and the space between the lower rail of sash B and the upper rail of frame C is covered or closed by an appropriate strip *c*, which may be of any suitable material, such as a thin board, or sheet metal, or even screen cloth, adapted to prevent flies and other insects from gaining entrance through the space

thus left between said two frames. A sheet metal casing C' is attached to the window casing and extends downwardly from the window sill, preferably to the floor, forming a pocket to receive and protect the screen below said window. The edges of said pocket extend upwardly for a distance above the window sill and are formed with flanges *c'* which serve as guides within which the ends of the screen are adapted to slide. The metal casing or pocket C' is preferably stamped out of sheet metal and is thus readily adapted to be secured or attached to any window of ordinary construction. It will be understood, of course, that the same construction of screen and casing may be attached to the upper part of the window and to the upper sash.

By this means a screen is provided which does not interfere with the opening or closing of the window sash, or the adjustment of said sash to secure the width of opening desired, at any time, while at all times thoroughly screening the open space which is left between the sash and the window sill, or, when used in connection with the upper sash, between said sash and the upper part of the window frame.

The method of hanging the screen to the sash and the portable and detachable containing and protecting casings or pockets enable the screen to be used in all houses and in connection with all classes of windows of ordinary construction without any material alteration or change in the arrangement of the parts.

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

1. A screen structure for windows comprising a detachable casing secured to the outside of the window frame and containing a pocket within which the screen is adapted to slide, a screen comprising a frame secured to the window sash by means supporting said screen a sufficient distance from said sash to enable it to slide vertically outside the window frame, and a closure between said window sash and said screen frame, substantially as set forth.

2. A window screen structure comprising a screen frame carried on the window sash and adapted to slide vertically therewith, means for supporting said screen structure a distance from said sash sufficient to enable it to slide outside the window frame,

and a casing for inclosing said screen attached to the outside of said window frame and formed with guides therefor, substantially as set forth.

- 5 3. A window screen structure comprising a casing secured to the window casing and extending beyond said window to form a pocket to receive the screen and with end guides for said screen, said screen supported from the window sash by supports carrying said screen free from the window frame but to slide vertically with said sash,

and a closure in the space between said screen and said sash, substantially as set forth.

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In witness whereof, I have hereunto set my hand and seal at Stapleton, S. I., Richmond county, New York, this 8th day of July, A. D., nineteen hundred and twelve.

ROBERT B. MORSE. [L. s.]

Witnesses:

G. S. HOLBERT,
JOHN H. KAHR.

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