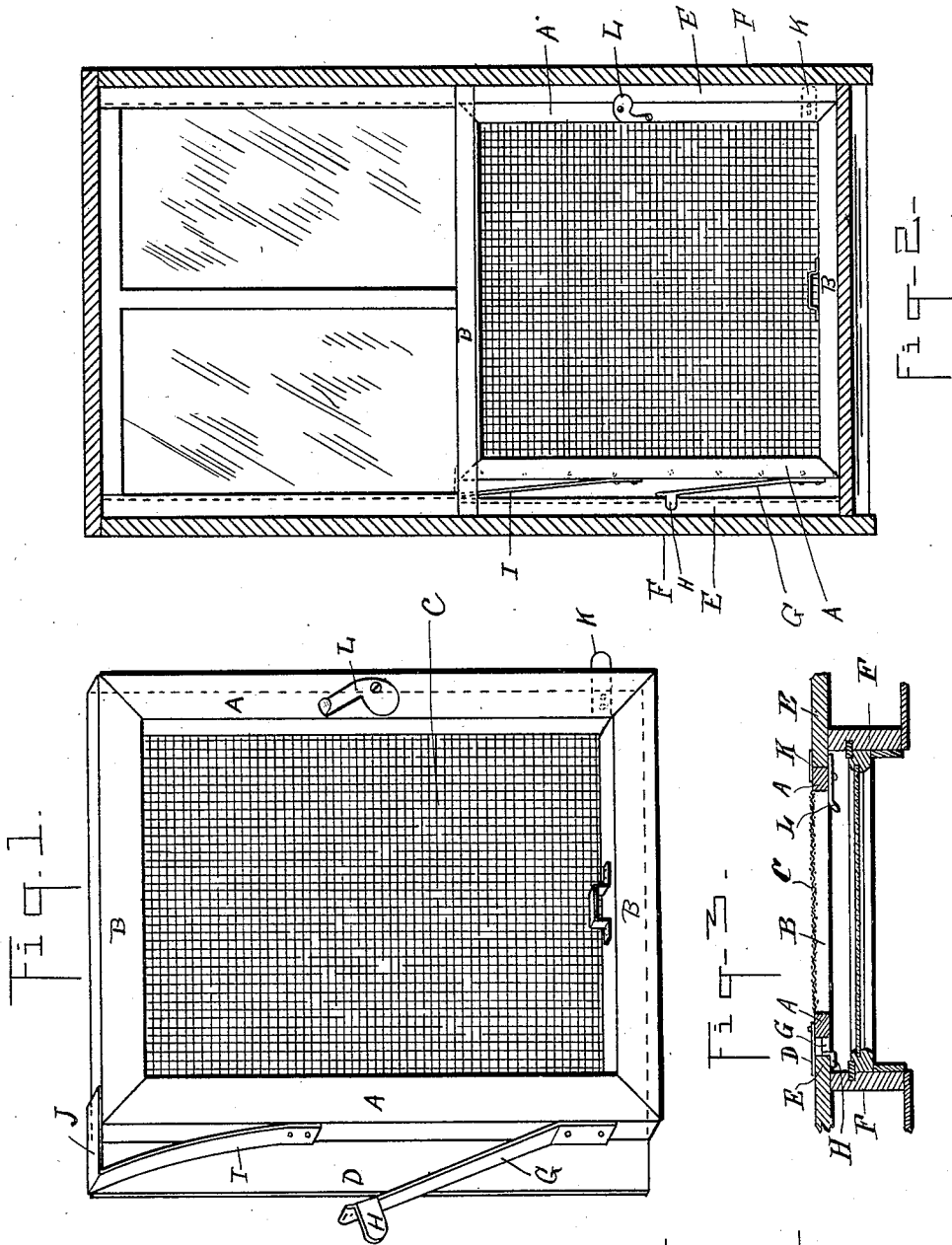


J. DYER & G. H. LEONARD.
WINDOW SCREEN.
APPLICATION FILED SEPT. 7, 1908.

1,065,303.

Patented June 17, 1913.



WITNESSES—
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JOSEPH DYER AND GEORGE H. LEONARD, OF FAIRFIELD, MAINE, ASSIGNORS TO
MAINE SCREEN AND VENTILATOR COMPANY, OF FAIRFIELD, MAINE, A CORPORATION OF MAINE.

WINDOW-SCREEN.

1,065,303.

Specification of Letters Patent.

Patented June 17, 1913.

Application filed September 7, 1909. Serial No. 516,603.

To all whom it may concern:

Be it known that we, JOSEPH DYER and GEORGE H. LEONARD, both of Fairfield, county of Somerset, State of Maine, have
5 invented new and useful Improvements in Window-Screens, of which the following is a specification.

This invention relates to improvements in window screens. Window screens and screen
10 frames vary slightly due to slight imperfections in making or to shrinking or swelling due to change in weather conditions. Its object is to provide a screen which will be adjustable so as to always maintain a
15 close fit. It is also designed to provide a screen which is easily fixed in position and removed, which is capable of being easily moved up and down and which will remain in any given position.

In the drawings herewith accompanying and making part of this application, Figure 1 is a perspective view of our improved
20 screen and; Fig. 2 is a vertical sectional view of the window casing, the section being taken on a line co-incident with the inner face of the upper sash, showing the upper sash and screen in position, and Fig. 3 is a transverse sectional view of a window frame, lower sash and screen in position.
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Same letters of reference indicate like parts.

In said drawings A indicates the side bars, B the end bars and C the mesh of a
35 screen. Projecting laterally from one side of the frame and rigidly secured to the back side thereof is an extension plate D adapted, when the screen is in position in the window casing, to overlap the outside
40 of the outside band strip E of the window casing F. Secured to the edge of the screen frame inside of the plate D is a spring arm G having on its inner edge near the free end a clip H adapted, when the spring is in
45 position in the window casing, to engage the inner side of the band E, as seen in Fig. 2, the part G yieldingly engaging the edge of the band E. Inasmuch as the edge of the frame does not engage the edge of the band
50 E, the space between said band and the edge of the screen frame would be open at the top. To close this opening we secure to the screen frame an adjustable flat spring I having its upper end J turned in to a position parallel with the top of the screen

frame and close to it, thus in all positions of the screen when in position in the casing, closing said space. On the side of the screen frame opposite the plate D near the bottom is a clip K adapted to engage the outside of
60 the band E and on the inside of the screen frame is a latch L adapted to be swung into and out of engagement with said band E when the screen is in position in the window casing. It will be understood that the thickness of the screen frame is substantially the same as that of the band E.

To place the screen in position in the window casing the spring arm G is placed against the band of the window casing and
70 compressed until the opposite edge of the screen will pass the band on its side of the window casing. When the edge of the screen is coincident with said band the hands are removed and the spring G holds
75 the screen yieldingly in position in the casing, the plate D overlapping the band on its side of the casing and the opposite side of the screen frame pressing against the end of the band on its side of the casing. The
80 extension plate D and clip H hold one side of the screen frame and the clip K and latch L hold the other side.

It will be noted that the screen is held in place without the use of screws and can be
85 inserted from the inside of the window. It will also be noted that all its parts are in frictional engagement with the window casing and that the screen can be moved up and down at any time and by reason of the frictional engagement of the part G and the
90 opposite side with the bands on the window casing, it will remain in any given position, the friction being sufficient to sustain the screen but not enough to prevent its being
95 moved up and down by the application of slight force.

Having thus described our invention and its use we claim:—

1. The herein described window screen adapted for use in connection with the outside band strip of a window which comprises a frame having sides and ends and a mesh secured thereto, a plate secured to the outside of one of the sides of the frame and projecting beyond said outer edge thereof, and a flat spring, one end secured to the edge of the side adjacent said plate, the other end being free and adapted to have sliding engagement with the edge of said
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band strip, said plate being adapted to overlap upon the outside face of said band strip and said spring being wholly contained between said band strip and the edge of the
5 screen, said spring being provided on the edge opposite said plate with an outwardly extended offset positioned below the top of the screen and adapted to have sliding engagement with the inside of said band strip
10 and coöperating with said plate to hold the screen against lateral displacement when the screen is in position, whereby the screen is free to slide up and down on said band strip.
15 2. A screen comprising a frame having screen wire thereon, a leaf spring having

one end thereof rigid on the frame and a portion of the leaf spring normally spaced from the frame, a guide lug projecting from the spring, a guide plate projecting beyond
20 one side of the frame, and locking means mounted on the other side of the said frame for locking the frame on a window casing.

In testimony whereof, we have signed our names to this specification in presence of
25 two subscribing witnesses this 1st day of September 1909.

JOSEPH DYER.

GEORGE H. LEONARD.

In presence of—

E. M. MARCOES,

WILLIAM C. DYER.

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