

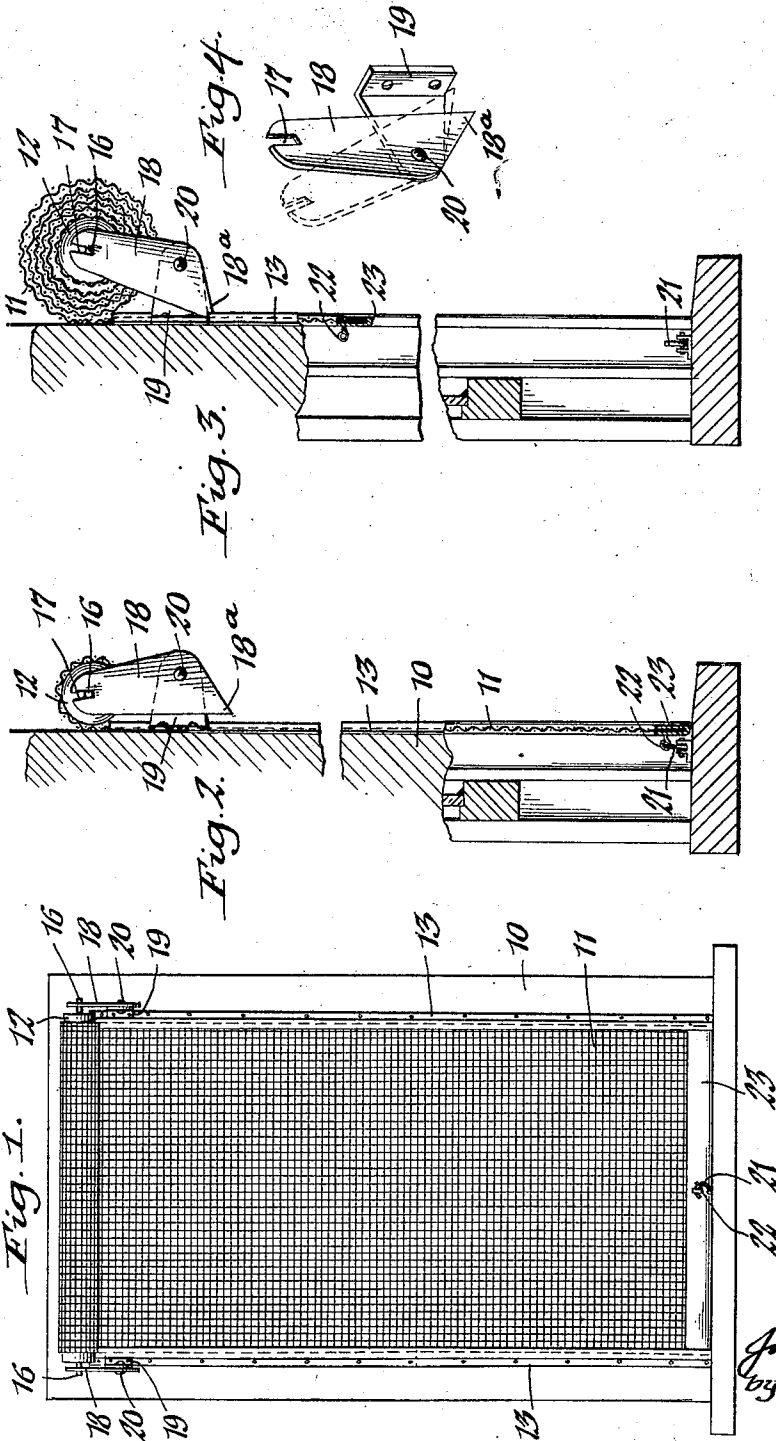
May 29, 1928.

1,671,545

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ROLLING SCREEN BRACKET

Filed Aug. 2, 1926



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UNITED STATES PATENT OFFICE.

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ROLLING-SCREEN BRACKET.

Application filed August 2, 1926. Serial No. 126,376.

This invention relates to a rolling window-screen.

Its object is to provide simple and inexpensive means for automatically pressing the screen-roller against the window-frame, upon unwinding the screen and pulling it down into place, to insure a tight joint between the rolled part of the screen and the frame.

In the accompanying drawings: Figure 1 is a front elevation of a window-frame equipped with the improved screen, showing the latter pulled down and secured at its lower end to cover the window opening. Figure 2 is an enlarged end view of the same, partly in section. Figure 3 is a similar view, showing the screen released at its lower end and partly wound upon the roller. Figure 4 is a perspective view of one of the roller-supporting brackets and arms.

Similar characters of reference indicate corresponding parts throughout the several views.

10 indicates the usual window-frame and 11 the flexible window-screen of wire cloth or other suitable material wound upon the spring-roller 12 which usually extends across the top of the window-frame, as shown, although it may be placed horizontally across its bottom or vertically at either side, if desired.

13, 13 indicate upright guides of any appropriate construction secured to the face of the window-frame along the edges of the window-opening for guiding the corresponding edges of the rolling screen.

Both of the roller-spindles 16 are preferably square or flat-sided. They are removably seated in upright notches or bearings 17 formed in the upper ends of swinging arms 18 pivoted at or near their lower ends to fixed brackets 19 projecting from the face of the window-frame. These arms are free to swing toward and from the frame and their pivots 20 are arranged on the front or outer side of the plane of the roller-spindles, in the normal position of the roller, as shown in Fig. 2. By this arrangement, when the screen is pulled down and unwound from the roller to cover the window-opening, the arms 18 swing inwardly or rearwardly, as shown in Fig. 2, causing the rolled part of the screen to hug the face of the window-

frame and forming a tight joint at this point to effectually exclude flies and other insects. The roller maintains this close contact with the window-frame so long as the lower end of the screen is held down in place by any suitable fastening attached to the window-sill, such as a cam-shaped hook 21 pivoted to the sill and engaging an eye 22 secured to a rail or binding strip 23 at the lower end of the screen. Upon unlocking the screen from the sill and allowing it to roll up, the spring roller 12 and its arms 18 tend to swing away from the window-frame, as shown in Fig. 3, thereby relieving the pressure between the roller and the frame and allowing the screen to roll up without objectionable friction.

To retain the arms 18 within operative limits, each is provided with a suitable stop. That shown in the drawings consists of a stop-extension 18^a located at the lower end of the arm below its pivot and arranged to abut against the companion bracket 19, or equivalent part, thus limiting the outward swing of the arm when the screen is allowed to roll up, as shown in Fig. 3.

I claim as my invention:—

1. A window fixture for a rolling screen, comprising a bracket secured to a window-frame, and an upright arm pivoted to said bracket to swing toward and from the window-frame and having a spindle-bearing in its free end, the pivot of said arm being located on the front side of the plane of said spindle-bearing in the normal position of the arm and the screen and the arm being free to swing toward the window-frame without restraint to permit the rolling screen to bear against the window-frame and a stop for limiting the movement of said arm away from the window-frame.

2. A window fixture for a rolling screen, comprising a bracket secured to a window-frame, and an upright arm pivoted to said bracket to swing toward and from the window-frame and having a spindle-bearing in its free end, the pivot of said arm being located on the front side of the plane of said spindle-bearing in the normal position of the arm and the screen, said arm having a stop-extension below its pivot arranged to abut against said bracket.

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