L. A. KARLSON.

VENTILATING SCREEN.

APPLICATION FILED OCT. 14, 1910.

998,690. Patented July 25, 1911.

Fig. 1

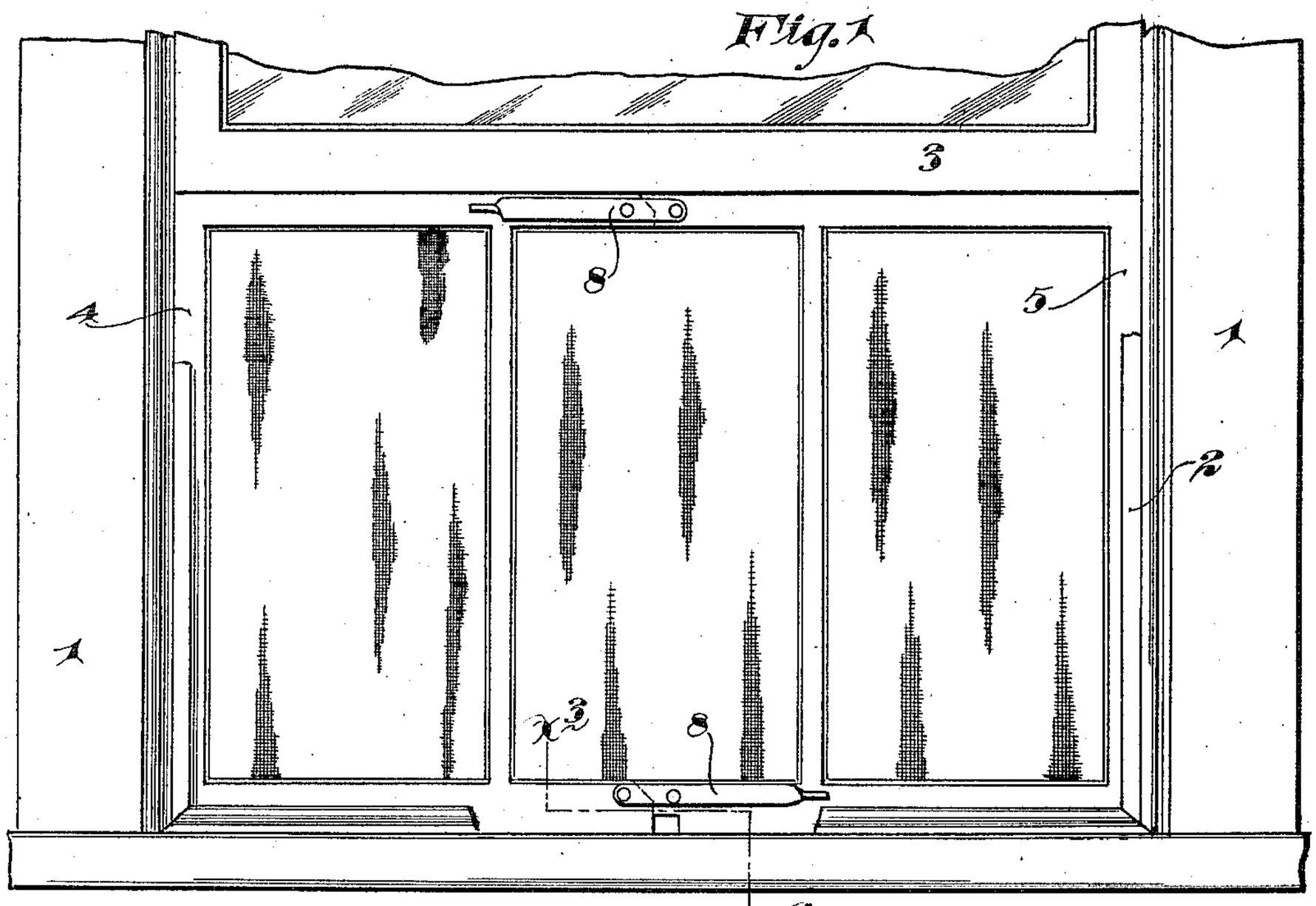


Fig. 3

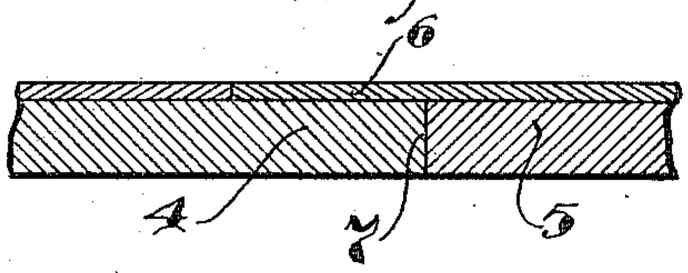
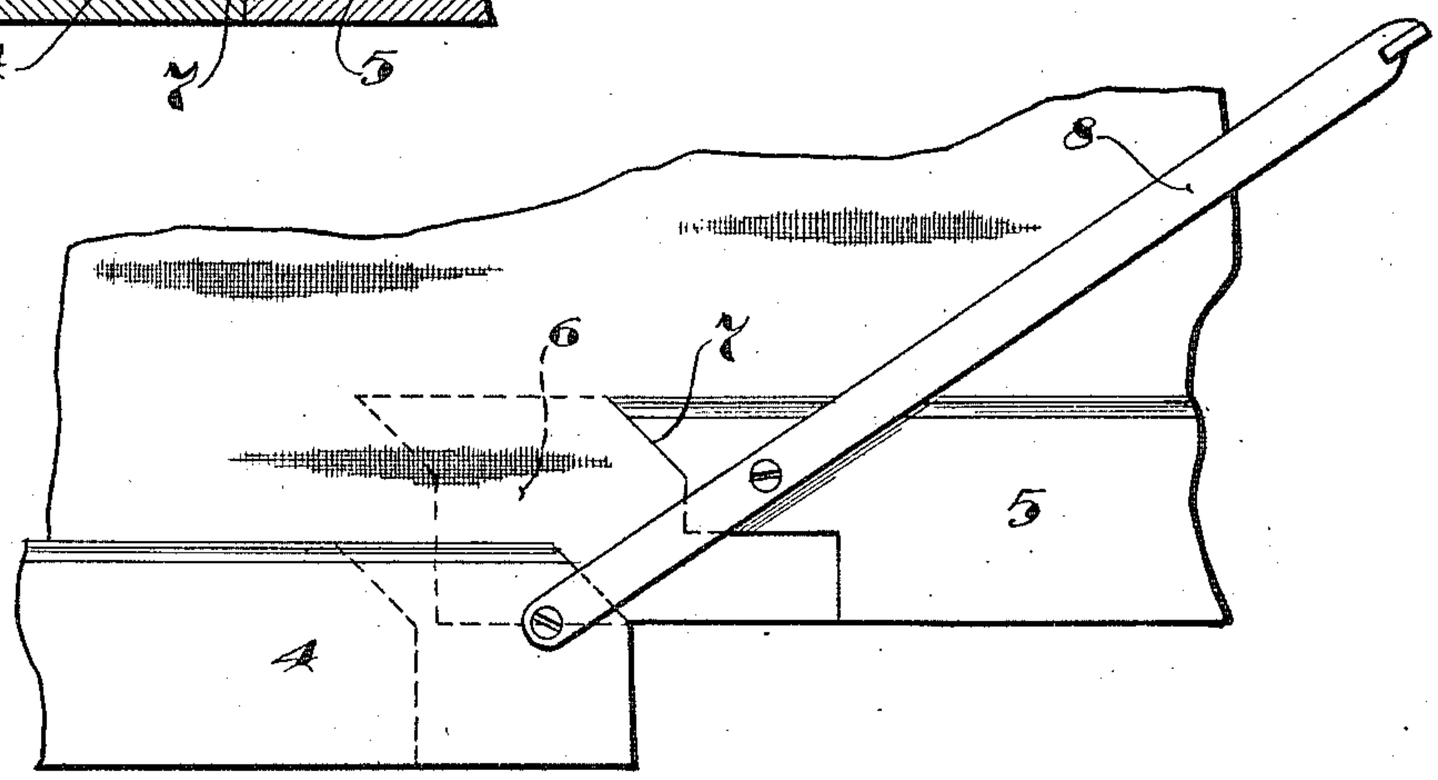


Fig. 2



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UNITED STATES PATENT OFFICE.

LEWIS A. KARLSON, OF MINNEAPOLIS, MINNESOTA.

VENTILATING-SCREEN.

998,690. Specification of Letters Patent. **Patented July 25, 1911.**

Application filed October 14, 1910. Serial No. 587,011.

To all whom it may concern:

Be it known that I, LEWIS A. KARLSON, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Ventilating-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 has for its particular object to provide an improved ventilating screen which is adjustable so that it may be interlocked with a window frame and removed therefrom.

To the above ends, the invention consists of the novel devices and combinations of devices hereinafter described and defined in the claims.

In the accompanying drawings, which illustrate the invention, like characters indicate like parts throughout the several views.

Referring to the drawings, Figure 1 is a view in elevation, looking at the inner side of a window frame and showing my improved ventilating screen applied in working position, some parts being broken away; Fig. 2 is a fragmentary view in elevation showing a portion of the screen; and Fig. 3 is a detail in section on the line x^3—x^3 of Fig. 1.

The window frame 1, which is of the usual construction, is provided with the customary outside stop strips 2 and coöperating stop strips not shown, which, as is well known, form a vertical guide channel for the movable sash 3.

The improved frame is rectangular in form and is made up of two rigid frame sections 4 and 5, the upper and lower bars of which, at the transverse center of the device, are formed with overlapping joints 6 having coöperating stop surfaces 7 for limiting the downward movements of the frame section 5 in respect to the frame section 4. The openings in the frame made up of the sections 4 and 5 are covered by flexible screening material such, for instance, as cheese cloth or similar porous fabric, which will be flexible enough at the joints between the frame sections to permit the necessary vertical movements of the frame section 5 in respect to the frame section 4. The two frame sections 4 and 5, close to their joints, are pivotally connected to levers 8 which are preferably limited on the inner surfaces of the said frame. The levers 8 and overlapping joints 6 hold the frame sections in lateral alinement. By upward pivotal movement of the lower lever 8 and downward pivotal movement of the upper lever 8, the frame section 5 will be raised and then moved toward the frame section 4, so as to shorten the length of the frame and thereby permit the same to be applied in the channel of the window frame below the sash 3 or to be removed therefrom. When the levers 8 are thrown into horizontal positions, the frame is extended and interlocked with the window frame.

This device was especially designed for use in bedrooms and elsewhere where good ventilation is desired without permitting drafts, but it is capable of general use as a portable window screen. The device is of small cost and is efficient for the purposes had in view.

What I claim is:

1. In a screen of the kind described, comprising a rectangular frame having two of its parallel bars severed, means connecting the severed end portions of said bars for movements into and out of longitudinal alinement for extending and shortening said frame, and a flexible screening material covering the opening in said frame and spanning the severed end portions of said bars, substantially as described.

2. A screen of the kind described having a frame made up of rigid sections jointed together, the openings thereof being covered with flexible screening material, and a pair of levers pivotally connected to the frame sections in the vicinity of their joints, the said levers serving to extend and shorten the said frame, substantially as described.

3. A screen of the kind described having rigid frame sections with overlapping joints and coöperating stop surfaces, and levers

pivotally connected to the said frame sections in the vicinity of their overlapping joints, the said levers serving to lengthen and shorten the said frame, and coöperating with the overlapping joints thereof to hold the frame sections in transverse alinement, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

LEWIS A. KARLSON.

Witnesses:
STEPHEN MAHONEY,
ALICE V. SWANSON.