

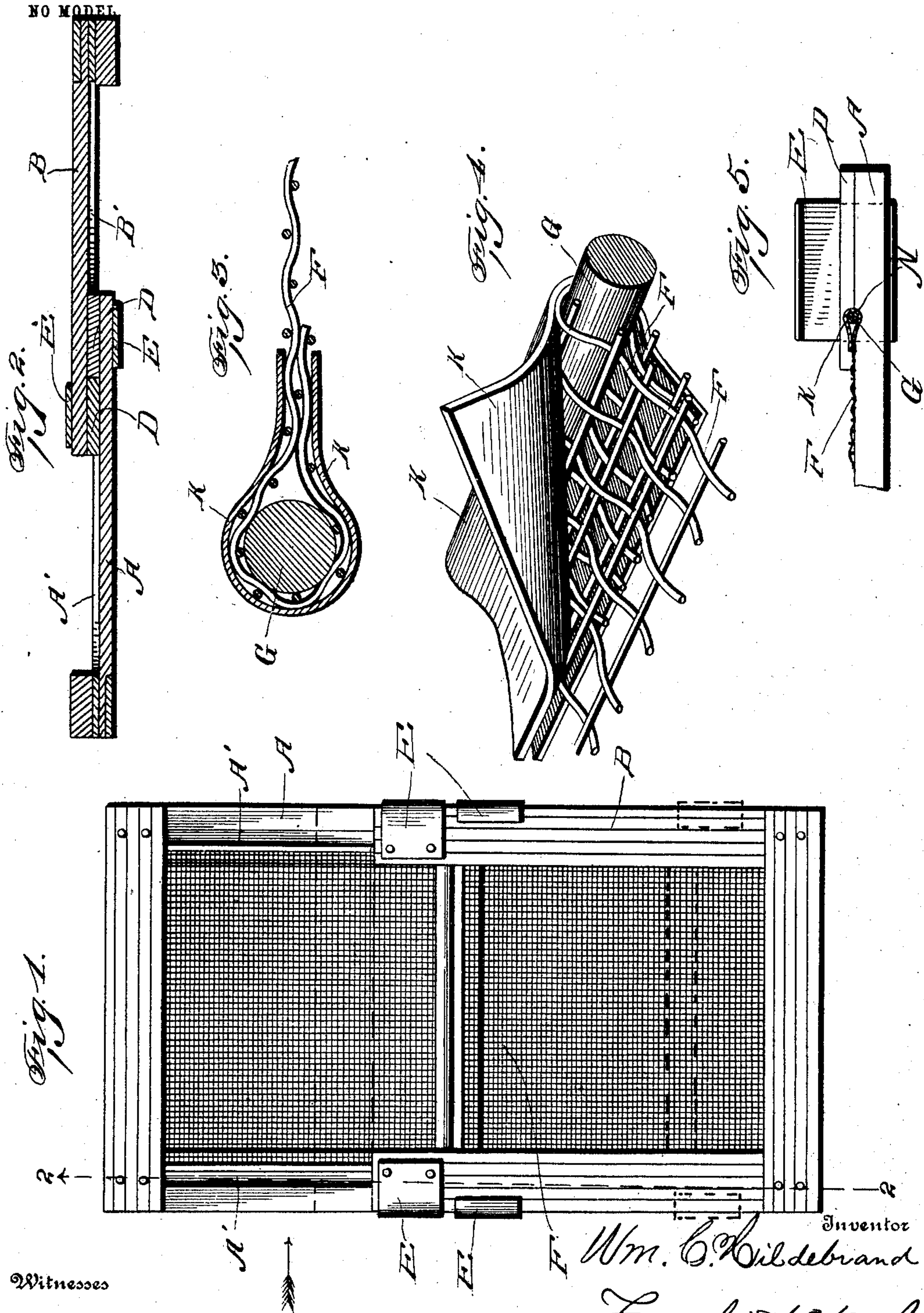
No. 719,111.

PATENTED JAN. 27, 1903.

W. C. HILDEBRAND.
WINDOW SCREEN.

APPLICATION FILED APR. 12, 1902.

NO MODEL.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM C. HILDEBRAND, OF GLENROCK, PENNSYLVANIA.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 719,111, dated January 27, 1903.

Application filed April 12, 1902. Serial No. 102,885. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. HILDEBRAND, a citizen of the United States, residing at Glenrock, in the county of York and State of Pennsylvania, have invented certain new and useful Improvements in Window-Screens; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in window-screens, and especially in the provision of means for fastening metallic strips to the end of the wire screen, whereby the latter is prevented from becoming detached from the metallic strip, and providing means whereby the ends of the screen-sections thus provided with metallic strips are allowed to pass freely by one another in close relation, so as to prevent a space intervening between two extensible screen-sections.

The invention consists, further, in various details of construction and combinations and arrangements of parts, as will be hereinafter more fully described and then specifically defined in the appended claim.

My invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings—

Figure 1 is a side elevation of a screen embodying my improvements. Fig. 2 is a sectional view on line 2 2 of Fig. 1. Fig. 3 is an enlarged cross-sectional view through one of the screen-sections and plates holding the screen; and Fig. 4 is an enlarged detail view showing in perspective a portion of the plate, showing the manner of fastening the end of the screen to the plate.

Reference now being had to the details of the drawings by letter, A designates one of the sliding frames of the screen-sections and B the other, which sections are provided with longitudinal grooves A' and B' on adjacent faces, and each groove has a block D, fastened adjacent to its inner end and adapted to form

stops by the inner ends of said blocks coming in contact with each other to limit the outer extensible movement of the screen-section. Straps E of the usual construction are fastened to the screen-sections and have their free ends overlapping the adjacent strip for the purpose of holding the screen-sections together and the blocks in place, which are adapted to slide in said grooves.

The inner edge of each screen F is bent about a rod G, and over the edge of said screen thus bent about the block a metallic strip K is turned and securely clamped against the opposite sides of the screen, and the end thereof is folded upon itself. The ends of said screen which are fastened to the rod are then seated in recesses N in the inner faces of each strip of the screen, so that the inner face of each metallic strip when the two screen-sections are fastened together will be adjacent to one of the screens, filling up the space between the two screens.

From the foregoing it will be observed that the inner ends of the screens thus held by the metallic strips will prevent the screens from becoming detached from the metallic strips and will hold the screen taut and in various ways produce a superior screen.

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

In combination with two screen-sections, grooved on their inner faces, stops seated in said grooves, strips holding the screen-sections together, wire screens, the edges of which are secured to the opposite edges of the screen-sections, rods carried by the screen-sections at their meeting ends, and about which the ends of the screens are turned, metallic plates folded over the bent ends of the screens and rods, and the ends of said plates positioned in parallel planes on opposite sides of the screen, the ends of said plate being in contact with the inner edges of the screen-sections, as set forth.

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

WILLIAM C. HILDEBRAND.

Witnesses:

H. W. KOLLER,
ADAM S. KOLLER.