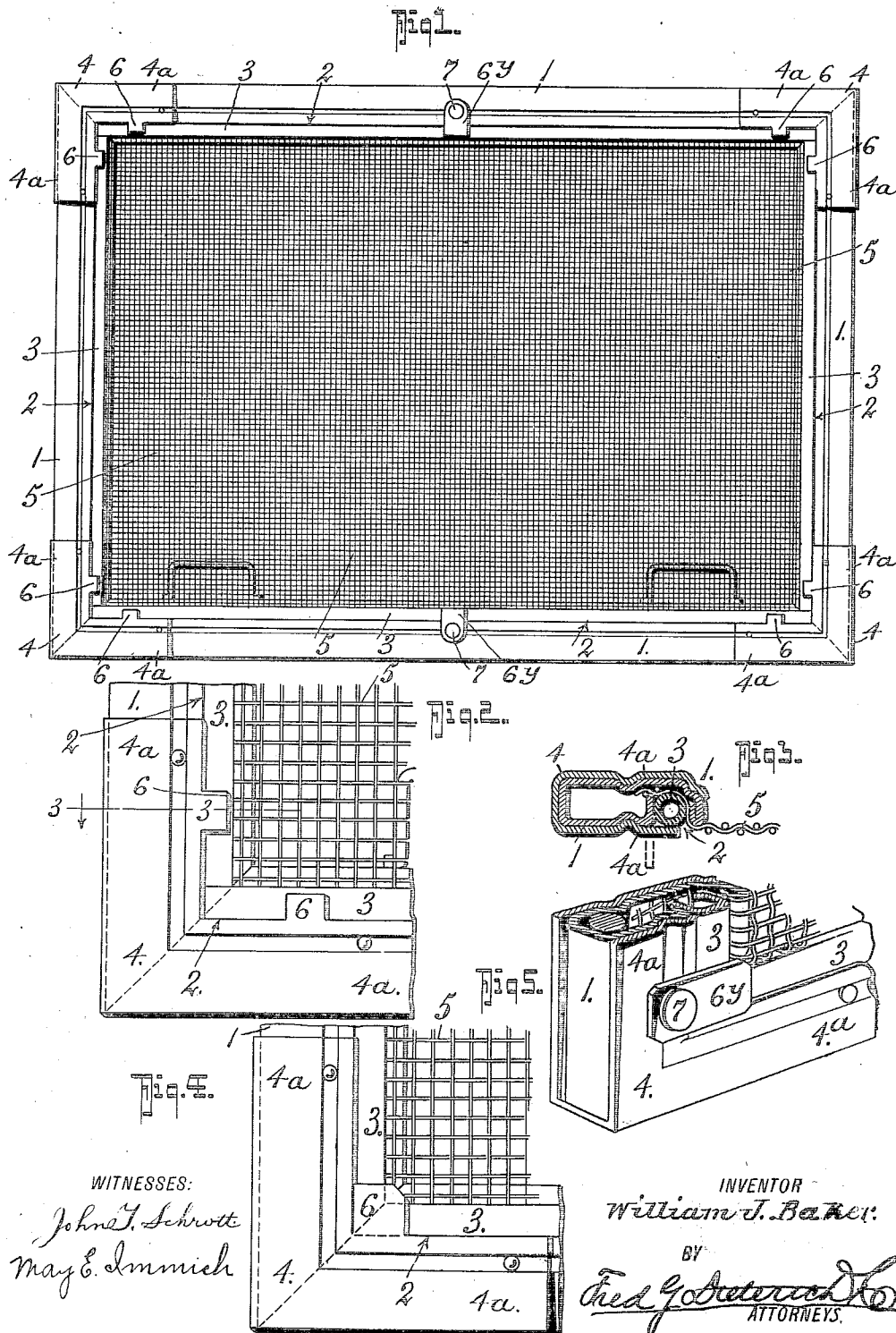


W. J. BAKER.
WINDOW SCREEN.
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953,680.

Patented Apr. 5, 1910.



WITNESSES:

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WILLIAM J. BAKER, OF NEWPORT, KENTUCKY.

WINDOW-SCREEN.

953,680.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM J. BAKER, residing at Newport, in the county of Campbell and State of Kentucky, have invented certain new and useful Improvements in Window-Screens, of which the following is a specification.

My invention relates to that class of window screens having removable means whereby the screen cloth is held in a frame by locking strips, such for instance as are disclosed in my Patent No. 787,181, April 18, 1905, and in my Patent No. 834,443, October 30, 1906 and my Patent No. 980,398, June 9, 1908.

In screens of the foregoing type it sometimes occurs that the locking strips will work out of their grooves at the ends of the strips and allow the cloth to loosen, this occurs mainly in shipping the screens. I have therefore designed a simple and effective way of preventing the locking strips from working loose, by aiding the gripping action of the sides of the strip grooves, by providing positive projecting ears or members, to be movable over the locking strip or bar when in position and prevent it from working up out of the groove. This is accomplished by providing the corner bracing plate with bendable ears to project over the bars or pivoted ears that may be moved over the bars.

My invention also embodies those novel details of construction, combination and arrangement of parts, all of which will be first fully described in the specification and then specifically pointed out in the appended claims, reference being had to the accompanying drawings, in which:

Figure 1, is a perspective view of a screen embodying my invention. Fig. 2, is an enlarged view of a corner thereof. Fig. 3, is a section on the line 3—3 of Fig. 2. Fig. 4, is a side elevation of a modification. Fig. 5, is a similar view of a further modification.

Referring now to the accompanying drawings in which like letters and numerals of reference indicate like parts in all of the figures, 1 represents the screen frame which is composed of top, bottom and side sections, each having a locking strip receiving groove 2 to receive the locking strip or bar 3 which may be tubular or solid, sectional or continuous, as desired. The screen frame at the corners is reinforced by corner pieces formed of sheet metal bent to embrace the frame

leaving the locking strip receiving groove, however, exposed to receive the screen cloth 5 and the locking strip 3 that holds the cloth in the frame. The corner pieces 4 have 60 tongues 6 that project over the strip groove 2 and the locking strip 3 and thereby prevent the strip 3 working out of the groove, at the corners. The tongues 6 may be bent up at right angles to the strip, (see dotted 65 lines in Fig. 3) to permit removal of the strip 3 when desired.

Instead of using two tongues 6, as shown in Figs. 1 and 2, a single tongue 6 may be used as shown in Fig. 4, and this tongue is 70 at the juncture of the two legs 4^a of the corner piece 4 to project over the abutting ends of the locking strips and cover the same.

A further modification of my invention resides in providing a tongue 6^r riveted at 7, 75 to the corner piece, and thus pivoted to be turned to project over the locking strip and groove when the strip is in place.

In large screens additional pivoted tongues 6^r may be pivoted to the frame at intervals, 80 intermediate of the corners, if desired, to aid in holding the locking strip in place. The tongue 6 (Fig. 4) is bendable on the dotted line, and not connected to the corner piece along the vertical edge. 85

From the foregoing description taken in connection with the accompanying drawings it is thought the complete construction, operation and advantages of my invention will be readily understood by those skilled in the 90 art to which the invention appertains.

What I claim is:—

1. A screen comprising a sheet metal frame having a continuous groove in one face to receive the edges of the screen cloth, 95 locking strips held in said grooves to retain the screen cloth, corner brace plates secured to the corners of the frame and ears carried by the corner brace plates at the corners of said brace plates to project over the adjacent ends of a pair of the locking strips and retain them in position. 100

2. A screen comprising a sheet metal frame having a continuous groove in one face to receive the edges of the screen cloth, 105 locking strips held in said grooves to retain the screen cloth, corner brace plates secured to the corners of the frame and ears carried by the corner brace plates to project over the locking strips and retain them in position, said ears being integrally formed with 110 said corner brace plates and bendable over

and away from the locking strips to retain the strips at times and permit their removal at other times.

- 5 3. A screen comprising a sheet metal frame having a continuous groove in one face to receive the edges of the screen cloth, locking strips held in said grooves to retain the screen cloth, corner brace plates secured to the corners of the frame, ears carried by
10 the corner brace plates to project over the locking strips and retain them in place, said ears being integrally formed with said cor-

ner brace plates and bendable over and away from the locking strips to retain the strips at times and permit their removal at other 15 times, and auxiliary means carried by the frame intermediate the ends and projectable upon the locking strip to assist in retaining the locking strip in place.

WILLIAM J. BAKER.

Witnesses:

JOHN MOSPENS,
MATT. MOORE.