

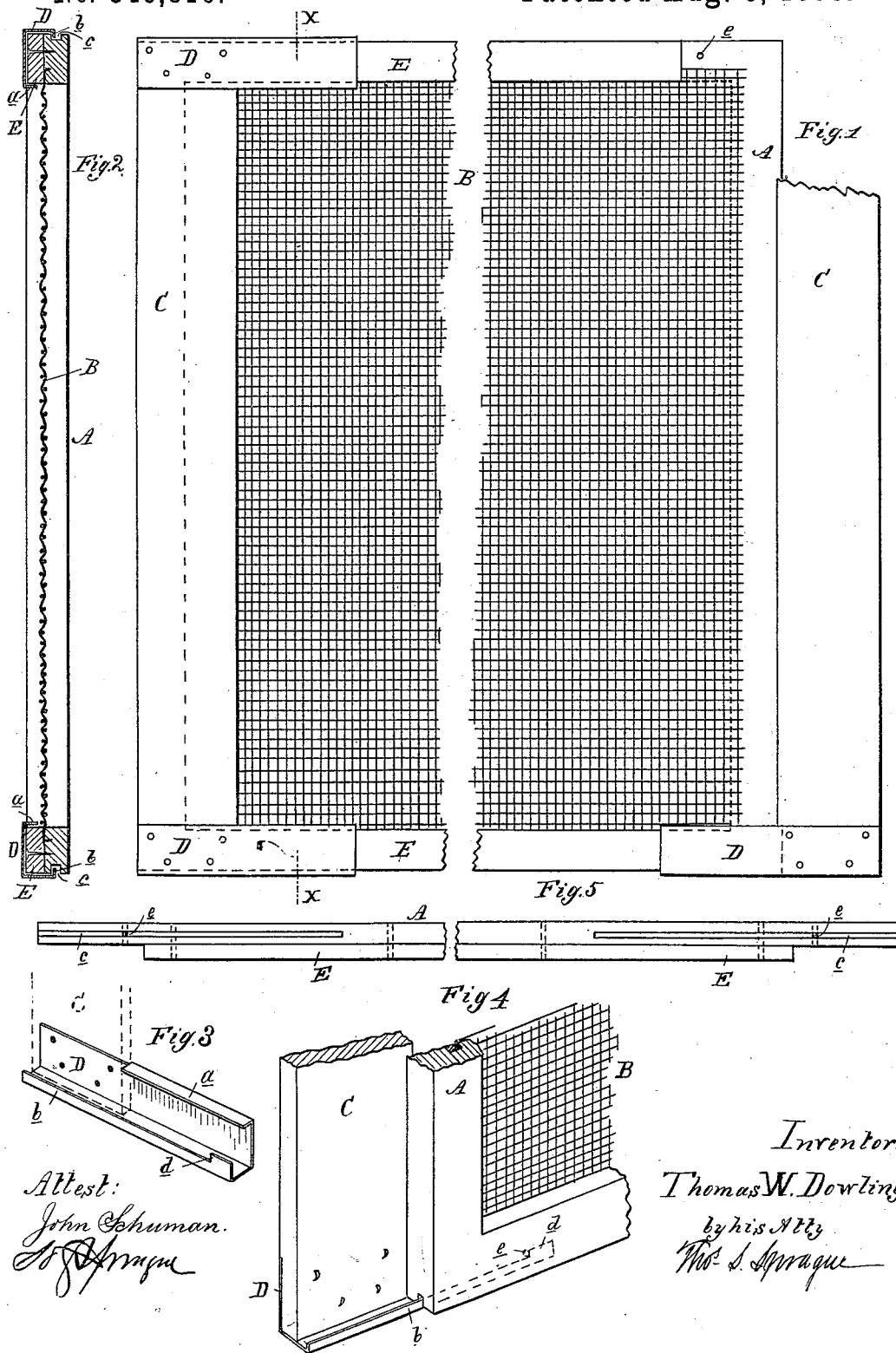
(No Model.)

T. W. DOWLING.

WINDOW SCREEN.

No. 346,810.

Patented Aug. 3, 1886.



UNITED STATES PATENT OFFICE.

THOMAS W. DOWLING, OF DETROIT, MICHIGAN.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 346,810, dated August 3, 1886.

Application filed January 14, 1886. Serial No. 188,492. (No model.)

To all whom it may concern:

Be it known that I, THOMAS W. DOWLING, of Detroit, in the county of Wayne and State of Michigan, have invented new and useful
5 Improvements in Window-Screens; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

10 This invention relates to certain novel improvements in window-screens.

The object of the invention is to produce a window-screen that is adapted to fit different-sized windows, that may be set under the
15 window with a tight joint to the exclusion of insects, or that may be placed in the window-frame in such manner that the window may be opened or closed without removing the screen, and still leave no openings at the sides.

20 To this end the invention consists in the peculiar construction, arrangement, and combination of the various parts, all as more fully hereinafter set forth.

Figure 1 is a plan of my improved screen
25 with one of its adjustable wings extended. Fig. 2 is a cross-section on the line *x x*. Fig. 3 is a perspective view of the corner-irons removed. Fig. 4 is a perspective view of one corner of the screen when extended. Fig. 5
30 is an edge view of the screen with the wings removed.

In the accompanying drawings, which form a part of this specification, A represents a rectangular frame, in which the wire screen
35 B is stretched and secured in any convenient manner.

C are wings laterally adjustable upon the frame A. At each end of these wings is rig-

idly secured a corner iron or slide, D, which is provided with the flanges *a b*, which em- 40 brace the bars E, secured to the cross-bars of the frame A, to hide the edge of the wire. The flange *a* reaches over the inner edge of the bar E, while the flange *b* reaches over the outer edge of such bar and engages with a slot, 45 *c*, cut in the edge of the cross-bar of the frame A, as shown. This flange *b* is provided with a shoulder, *d*, which abuts against the stop or pin *e*, driven through the cross-bar, to prevent the wings being drawn off from the frame in 50 extending the wings.

In practice, if the window is too wide for the frame with the wings in position, as shown at left of Fig. 1, one or both of such wings may be extended or drawn out, the corner-irons 55 sliding upon the bars E until the frame is increased in width to fit the window, leaving the sight through the screen clear and unobstructed, there being no "central stile" to the frame, as ordinarily constructed. 60

I am aware of the Patents Nos. 269,075 and 328,265, and make no claim to the constructions shown therein as forming part of my invention.

What I claim as my invention is— 65

In a window-screen, the combination of the frame A, wings C, corner-irons D, provided with the flanges *a b* and shoulder *d*, and the bars E, the parts being constructed, arranged, and operating substantially in the manner and 70 for the purposes described.

THOMAS W. DOWLING.

Witnesses:

H. S. SPRAGUE,
EDMOND J. SCULLY.