

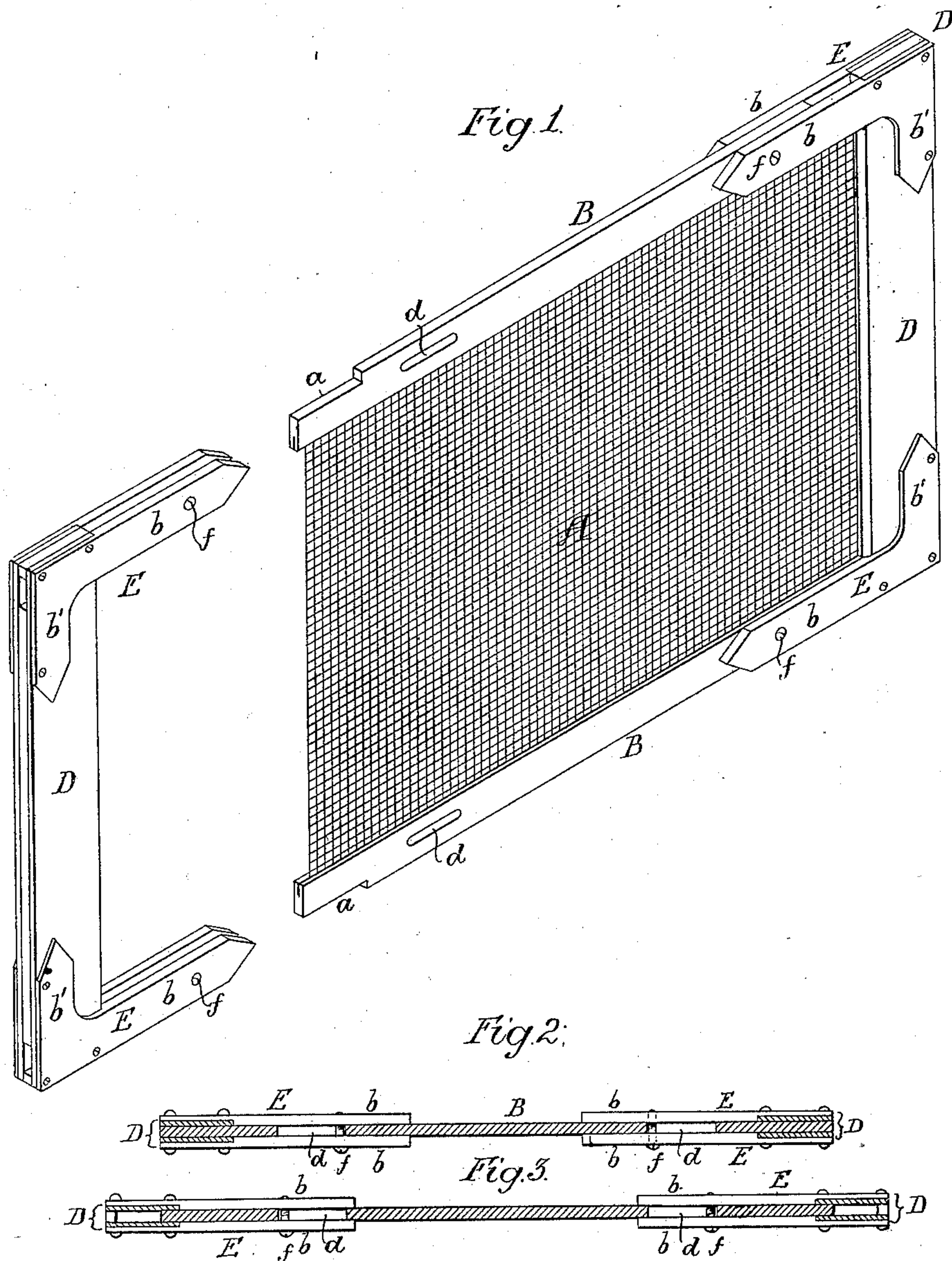
(No Model.)

E. L. LLOYD.

ADJUSTABLE WINDOW SCREEN.

No. 257,348.

Patented May 2, 1882.



Witness:
D. S. Williams
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UNITED STATES PATENT OFFICE.

EDWIN L. LLOYD, OF PHILADELPHIA, PENNSYLVANIA.

ADJUSTABLE WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 257,348, dated May 2, 1882.

Application filed February 2, 1882. (No model.)

To all whom it may concern:

Be it known that I, EDWIN L. LLOYD, a citizen of the United States, residing at Philadelphia, Pennsylvania, have invented certain Improvements in Adjustable Window-Screens, of which the following is a specification.

The object of my invention is to construct a simple and inexpensive extension-screen for windows, said screen having but few parts, which can be readily fitted together, and having no exposed joints to detract from its neatness of appearance.

In the accompanying drawings, Figure 1 is a perspective view of my improved window-screen, part of the frame being detached in order to more fully illustrate the construction of the screen. Fig. 2 is a sectional plan through the top bar of the screen, and showing the frame contracted to its extreme limit; and Fig. 3 is a sectional plan similar to Fig. 2, but showing the frame extended to its full width.

The structure comprises the screen A, of wire-gauze, the top and bottom bars, B B, the end frames, D D, and the corner plates, E. The top and bottom edges of the screen A are adapted to grooves in the bars B B, and may be secured therein, if desired, by transverse pins or tacks, the ends of the screen being unconfined. Each frame D comprises two opposite side pieces, combined with strips at the top, bottom, and outer end, so that each frame constitutes in effect a narrow box adapted for the reception of one end of the screen A, with its top and bottom bars, B, each of the latter having a recess, *a*, to accommodate the top and bottom strips of the frame D. In some cases thin plates of metal may be substituted for these top and bottom strips, in which case the recesses *a* will not be necessary.

There are eight corner plates, E, two on each side of each of the end frames, D, these plates being made in the present instance of metal, and each having two arms, *b b'*, at right angles to each other. These arms are suitably secured to the side pieces of the frames D, and a portion of each arm *b* projects beyond the frame to which it is attached, and is thickened, so as to bear upon the top or bottom bar, B, of the screen,

said bars having slots *d* for the reception of transverse pins or bolts *f*, whereby the projecting portions of each pair of corner plates are connected together. The said projecting portions of the plates are thus stiffened, and the frames D are guided and steadied in their movements from or toward the center of the screen, such movements being made in order to increase or diminish the width of the structure, as shown in Figs. 2 and 3, and thereby adapt said structure to windows of different sizes.

The structure, when either expanded or contracted, presents a neat and attractive appearance, the frame being free from the exposed joints, which are an objection to that class of extension-screens in which the upper and lower frames are joined in the center of the screen.

I claim as my invention—

1. The combination of the screen A, having top and bottom bars, B, and having unconfined ends, with the adjustable box-like end frames, D, guided on the bars B and adapted to receive and protect the unconfined ends of the screen, as set forth.

2. The combination of the box-like end frames, D, with the screen A, having bars B, with recesses *a* for the reception of the top and bottom strips of the frames D, as set forth.

3. The combination of the screen A and its bars B, having slots *d*, the end frames, D, adapted to said screen and its bars, and the corner plates, E, having projecting arms *b*, with transverse pins or bolts *f*, adapted to the slots *d*, as set forth.

4. The combination of the screen A and its bars B with slots *d*, the end frames, D, the corner plates, E, having thickened arms *b*, and the connecting pins or bolts *f*, adapted to the slots *d*, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWIN L. LLOYD.

Witnesses:

HARRY DRURY,
HARRY SMITH.