

No. 716,447.

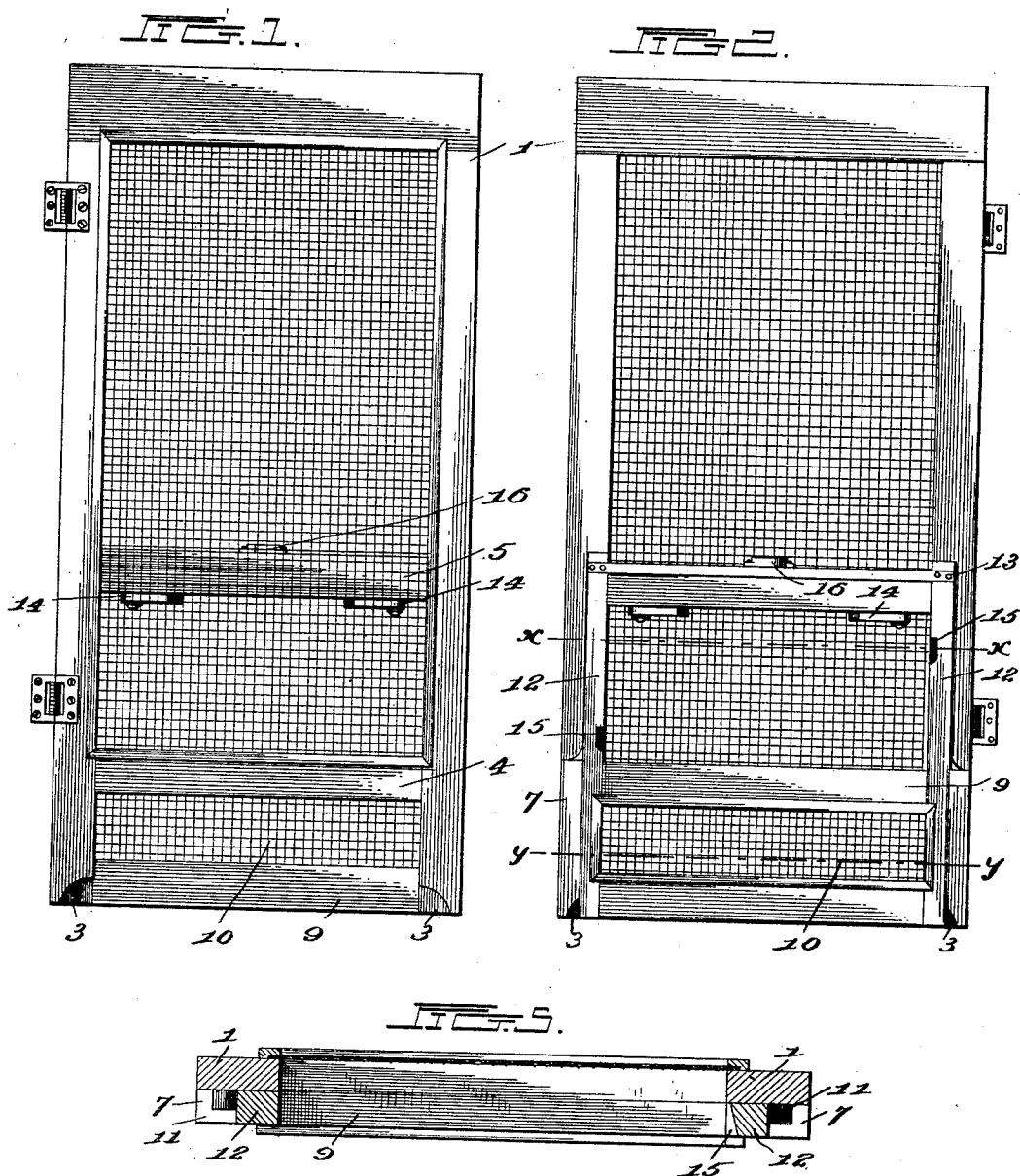
Patented Dec. 23, 1902.

E. LYNCH.
SCREEN DOOR.

(Application filed Sept. 4, 1902.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses

Howard Walmsley.

E. E. Munton for

By

Inventor

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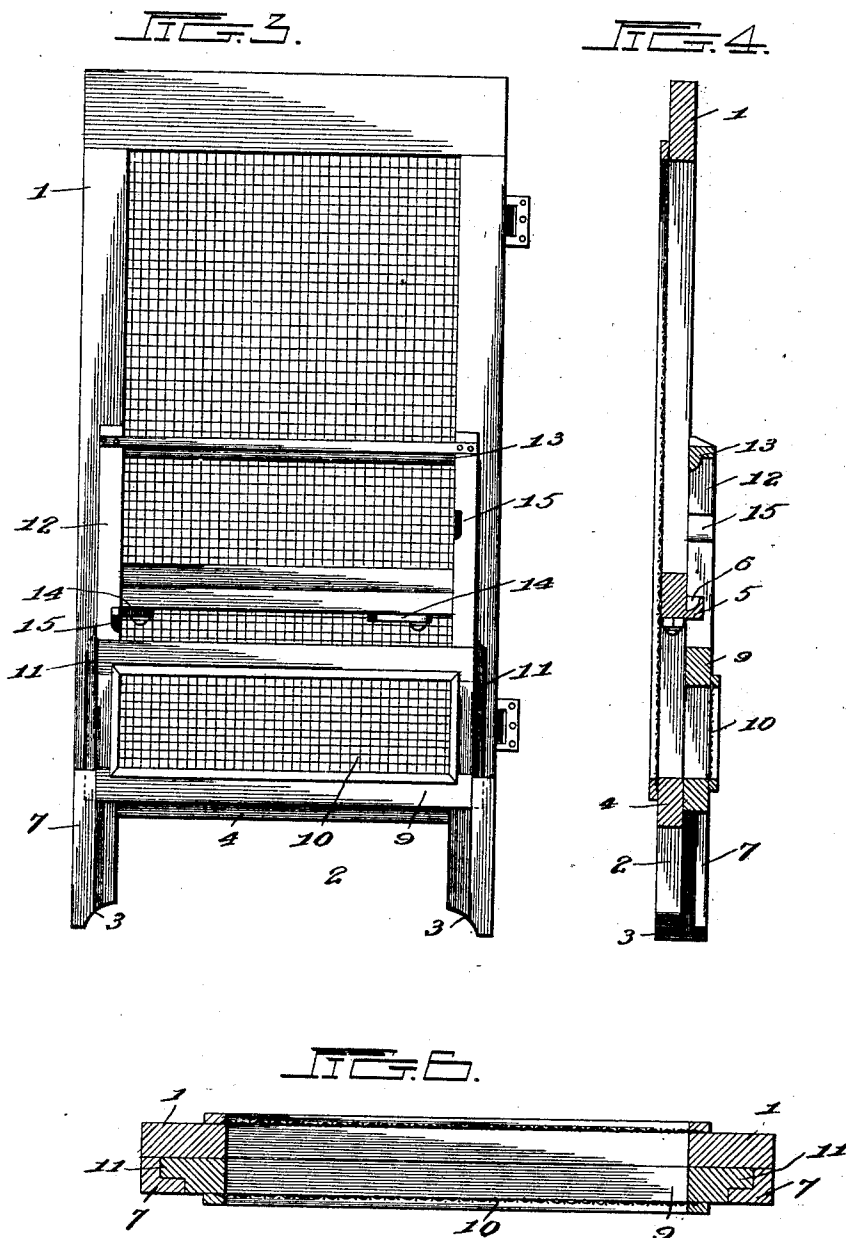
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UNITED STATES PATENT OFFICE.

ELIZABETH LYNCH, OF DENISON, TEXAS.

SCREEN-DOOR.

SPECIFICATION forming part of Letters Patent No. 716,447, dated December 23, 1902.

Application filed September 4, 1902. Serial No. 122,085. (No model.)

To all whom it may concern:

Be it known that I, ELIZABETH LYNCH, a citizen of the United States, residing at Denison, county of Grayson, and State of Texas, have
5 invented certain new and useful Improvements in Screen-Doors, of which the following is a specification.

My invention relates to screen-doors.

The object of the present invention is to
10 provide a screen-door having an improved and novel gate which can be readily opened and closed and will make provision for sweeping trash through the door without necessitat-
15 ing opening thereof and also make it possible to introduce small articles, such as packages, through the door while it is closed.

To accomplish the foregoing objects, I provide a screen-door having a gate closing and opening at the bottom of the door and which
20 can be readily opened and closed from the inside and held opened or closed, said gate and attachments therefor, as also the improved and novel construction of the screen-door, being set forth hereinafter and the novel fea-
25 tures embodied in the appended claims.

In the accompanying drawings, Figure 1 is a view of the outside of the door with the gate down; Fig. 2, a similar view of the inside of the door; Fig. 3, a view similar to Fig. 2,
30 showing the gate raised; Fig. 4, a vertical section with the gate open; Fig. 5, a transverse section on line *x x* of Fig. 2, and Fig. 6 a transverse section on line *y y* of Fig. 2.

The screen-door proper is shown at 1, and
35 the framing and fastening for the netting made of any preferred construction. The door is provided at its bottom with the opening 2 about six inches in height, and the lower ends of the side pieces are cut away at 3.
40 The door is provided with the transverse pieces 4 and 5, the upper one of which is wider than the thickness of the side pieces of the door and provided with the groove 6. At the lower portions of the side pieces of the
45 door are the guides 7, whose lower ends are cut away similar to the cut-away ends of the side pieces.

The gate is shown at 9 and has a screen-section 10 and is provided with ribs 11, which
50 slide in the guides 7. The side pieces 12 of the gate extend upwardly and are adapted to bear against the side pieces of the main door,

and they are connected by a cross-piece 13, adapted to fit in the groove 6. One or more
55 buttons 14 can be employed on the cross-piece 5 to enter notches 15 in the side pieces 12 to lock the gate in raised position at different heights, and a lock 16 can be employed on the cross-pieces 5 and 13. The object of provid-
60 ing the cross-piece 13 is to furnish a handle within reach for raising the gate, and by reason of this cross-piece fitting in the groove 6 and the employment of the side pieces 12, as bearing against the side pieces of the main
65 door, the gate is made to lie tightly against the main door at all times, and the guides, aside from guiding the gate, have the fore-
going function.

It will be seen that the gate can be raised and secured at any time it is desired to sweep
70 out the room, and the dust and the trash can be brushed through the opening in the bottom of the door without necessitating the opening of the door, and the cut-away lower ends of the side pieces of the door and the
75 guides make it possible to reach under the same with the broom. The opening in the screen-door and the provision of the gate also make it possible to introduce small pack-
80 ages—such as groceries, &c.—through the door without opening the same.

I am aware that changes of construction could be resorted to in carrying out my invention without essentially modifying the invention, and I therefore lay claim to all mod-
85 ifications falling within the spirit and scope of the invention.

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

1. A screen-door having an entrant-open-
90 ing extending from its bottom upwardly, and a gate for closing said opening.

2. A screen-door having an entrant-open-
95 ing extending from its bottom upwardly, and a screen-gate for closing said opening.

3. A screen-door having an entrant-open-
ing extending from its bottom upwardly, and a sliding gate for closing said opening.

4. A screen-door having an opening, and
100 provided with a cross-piece, and a sliding gate for closing said opening which has a cross-piece adapted to engage the cross-piece on said door when the gate is closed.

5. A screen-door having an opening and provided with a grooved cross-piece and a sliding gate for closing said opening, which is provided with a cross-piece adapted to fit
5 the groove of the cross-piece aforesaid when the gate is closed.

6. A screen-door having an opening, a sliding gate for closing said opening, guides for guiding the gate and holding it against the
10 screen-door, side pieces on the gate slidable against the screen-door side pieces, and cross-pieces on the screen-door and gate adapted to engage when the gate is closed.

7. A screen-door having an entrant-opening
15 ing extending from its bottom upwardly and

its side pieces cut away at their lower free extremities, and a sliding gate for closing said opening.

8. A screen-door having an entrant-opening extending from its bottom upwardly, a
20 sliding gate for closing said opening, and fasteners for holding the gate raised and lowered.

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

ELIZABETH LYNCH.

Witnesses:

H. ALEXANDER,
W. H. LYNCH.