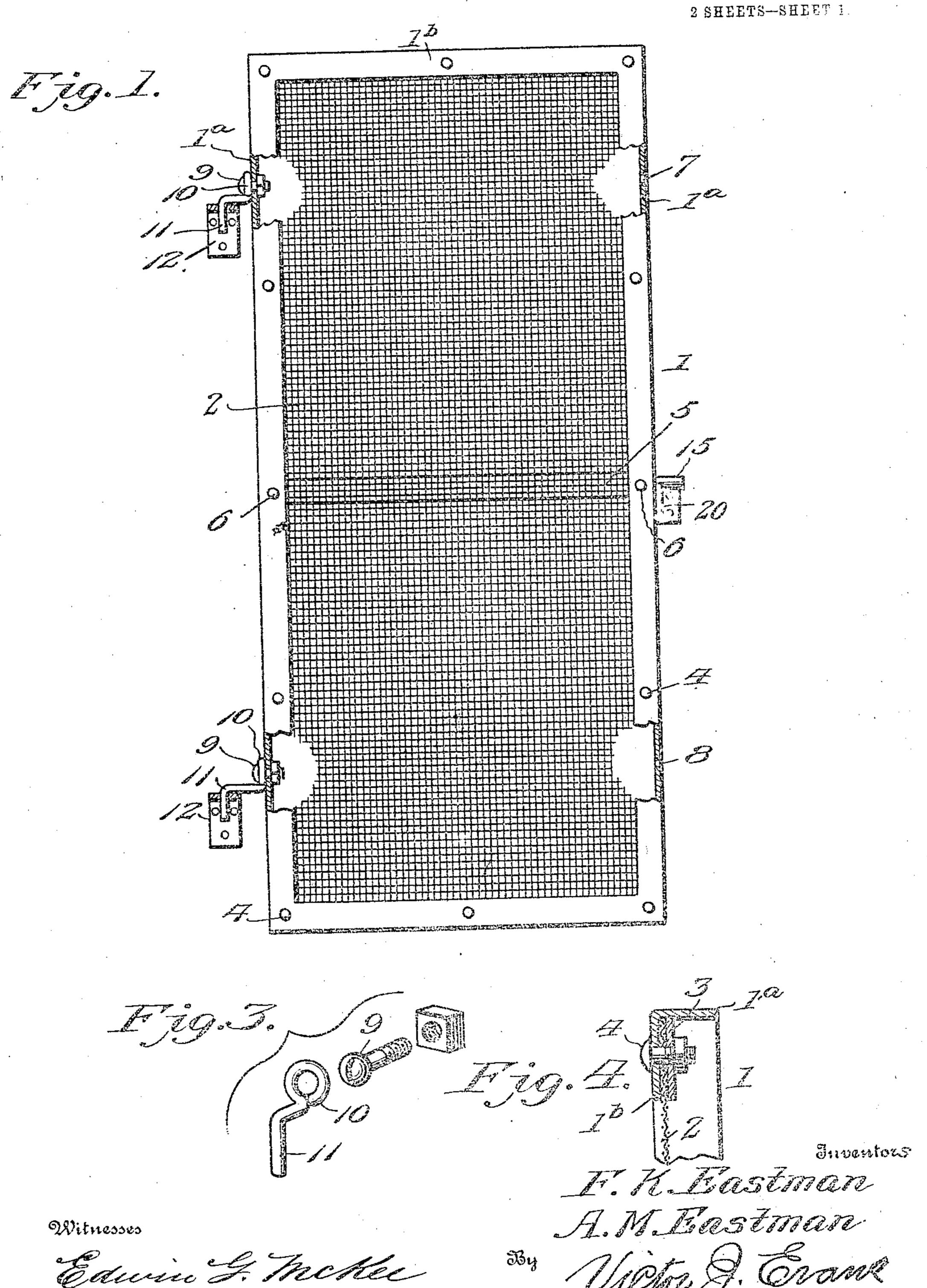
## F. K. & A. M. EASTMAN.

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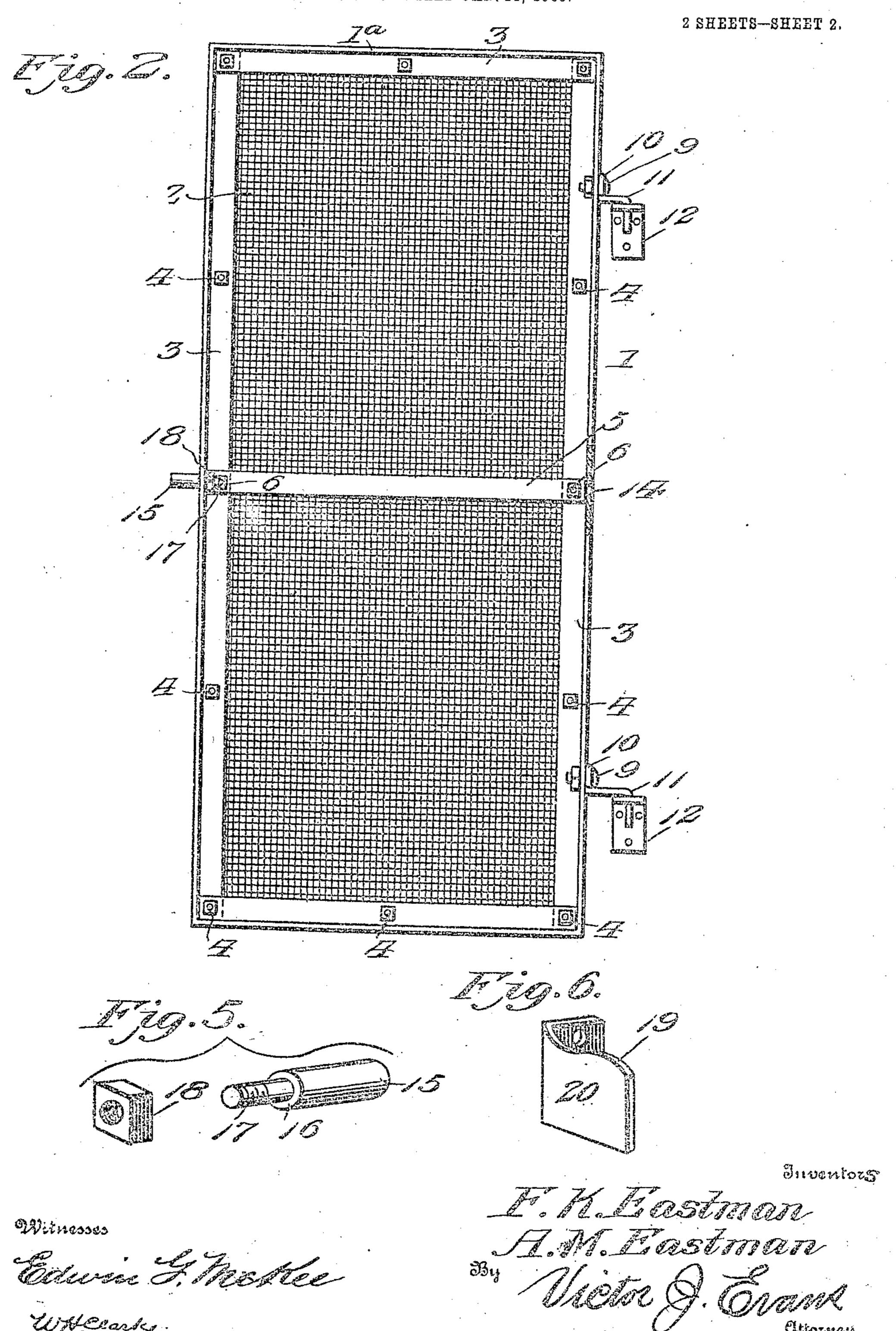
APPLICATION FILED JAN. 14, 1905.



## F. K. & A. M. EASTMAN.

DOOR.

APPLICATION FILED JAN, 14, 1905.



FLOYD K. EASTMAN AND ARTHUR M. EASTMAN, OF MANCELONA, MICHIGAN.

## DOOM.

No. 816,441.

Specification of Letters Patent.

Patented March 27, 1906.

Application filed January 14, 1905. Sorial No. 241,144.

To all whom it may concern:

Be it known that we, FLOYD K. EASTMAN and ARTHUR M. EASTMAN, citizens of the United States, residing at Mancelona, in the | 1 by means of removable nut-bolts 6. 5 county of Antrim and State of Michigan, have invented new and useful Improvements in Doors, of which the following is a specification.

This invention relates to doors, and par-

10 ticularly to screen-doors.

The objects of the invention are to improve, simplify, and strengthen the construction of such devices; furthermore, to lessen their weight and to increase their durability.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described 20 and claimed as a practical embodiment thereoř.

In the accompanying drawings, forming a part of this specification, Figure 1 is a front elevation, partly in section, of a door con-25 structed in accordance with the invention. Fig. 2 is a rear elevation thereof. Fig. 3 is a separated detail view showing one of the hinges and the means for detachably securing the same to the door. Fig. 4 is a trans-30 verse section through one side of the doorframe. Fig. 5 is a separated detail view of the detachable latch-pin. Fig. 6 is a detail perspective view of the latch-bracket, which is adapted to be engaged by the latch-pin for 35 locking the door in closed position.

Like reference - numerals indicate corresponding parts in the different views.

The door-frame 1, which preferably is rectangular in shape, as usual, is formed of angle 40 metal, having the flanges 1ª 1.b, as shown clearly in Fig. 4 of the drawings. The flange 1<sup>b</sup> lies in the plane of the door and has secured thereto the filling material 2, which consists, preferably, of wire-netting, although, 45 if desired, other suitable material may be employed. The filling material 2 is removably secured to the inside of the flange 1b by means of removable strips 3, which are secured to the flange 1b by means of nut-bolts 50 4. In the event that the filling material 2 should become worn or broken through use the strips 3 may be readily detached from the frame 1 in order to permit the substitution of new filling material.

The central portion of the filling material 55 is preferably braced by a cross-piece 5, which is detachably secured at its ends to the frame

The flanges 1° at each side of the doorframe Tare formed with perferations 7 8, 60 which are identical in size and location with each other-that is to say, the perforations on one side of the door are disposed exactly opposite the perforations on the opposite side: of the door. Extending through the perfo- 65 rations 7 and 8 on one side of the door are nut-bolts 9, to the outer ends of which are secured the looped ends 10 of angle-hinges 11, which are adapted to engage perforations in hinged brackets 12. The lower hinge 11 70 preferably is longer than the upper hinge, so as to cause the door to swing closed by gravity, as usual in hinge constructions. It will be apparent that if it be desired to hinge the opposite side of the door to the casing the 75 bolts 9 may be disengaged from the perforations on one side of the door and engaged with the perforations on the opposite side thereof, so that the hinges may be disposed on either side of the door. It will be seen, 80 therefore, that the perforations 7 and 8 on opposite sides of the door constitute means to receive detachable hinges.

In addition to the perforations 7 and 8 the door-frame is formed on opposite sides there- 85 of with perforations, such as 14, which constitute means on opposite sides of the door to receive a detachable locking-pin, such as 15, which is formed with an annular shoulder 16 and a reduced shank 17, which extends 90 through the perforation 14 and is held securely in position by means of a nut 18. The locking-pin 15 is adapted to engage the approximately S-shaped upper edge 19 of a latch-bracket 20, which is secured to the 95 door-frame in any suitable manner. It will be understood that when the hinges are transferred from one side of the door to the other the latch-pin 15 is of course transferred to the side of the door opposite the roc

The angle metal which is employed in forming the frame of the improved door is effective in preventing the same from becoming warped or swollen, as frequently occurs in res the case of wooden doors. Furthermore, the improved door of this invention is light, strong, simple, inexpensive, and dyrable in

hinges.

construction and use, the durability of the the invention or sacrificing any of its advandoor as a whole being increased greatly by tages. the fact that the filling material 2 can be Having thus described the invention, what readily replaced whenever the same becomes is claimed as new is-5 worn or broken. Furthermore, the construct A door comprising a frame made of angle tion of the improved door is such that the metal, said frame having perforations in both same may fit outside of the door-casing in- of its sides, filling material in said frame, restead of inside thereof, as usual in door con- movable strips secured to the frame for holdstructions. For this reason the hinge-brack- ing the filling material in position, removable 30 10 ets 12 and the latch-bracket 20 may be dis- | hinge-bolts fitted in the perforations on one posed some distance away from the door- side of said frame, hinges connected with said opening, so that when the screen-door is re- | hinge-bolts, and a removable latch-pin fitted moved in winter the hinge and latch brack- into one of the perforations in the opposite ets may remain undisturbed in proximity to side of said frame. the door-frame, so that the screen-door can In testimony whereor we affix our signabe readily replaced without difficulty when- tures in presence of two witnesses. ever desired.

Changes in the precise embodiment of invention illustrated and described may be 20 made within the scope of the following claims without departing from the spirit of

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FLOYD K. EASTMAN. ARTHUR M. EASTMAN.

Witnesses:

WM. E. NEELAND, WM. A. Brooks.