No. 768,514. PATENTED AUG. 23, 1904.

E. CHRISTEN.

SCREEN FOR WINDOWS OR DOORS.

APPLICATION FILED MAR. 11, 1904.

NO MODEL.

FIG. 1.

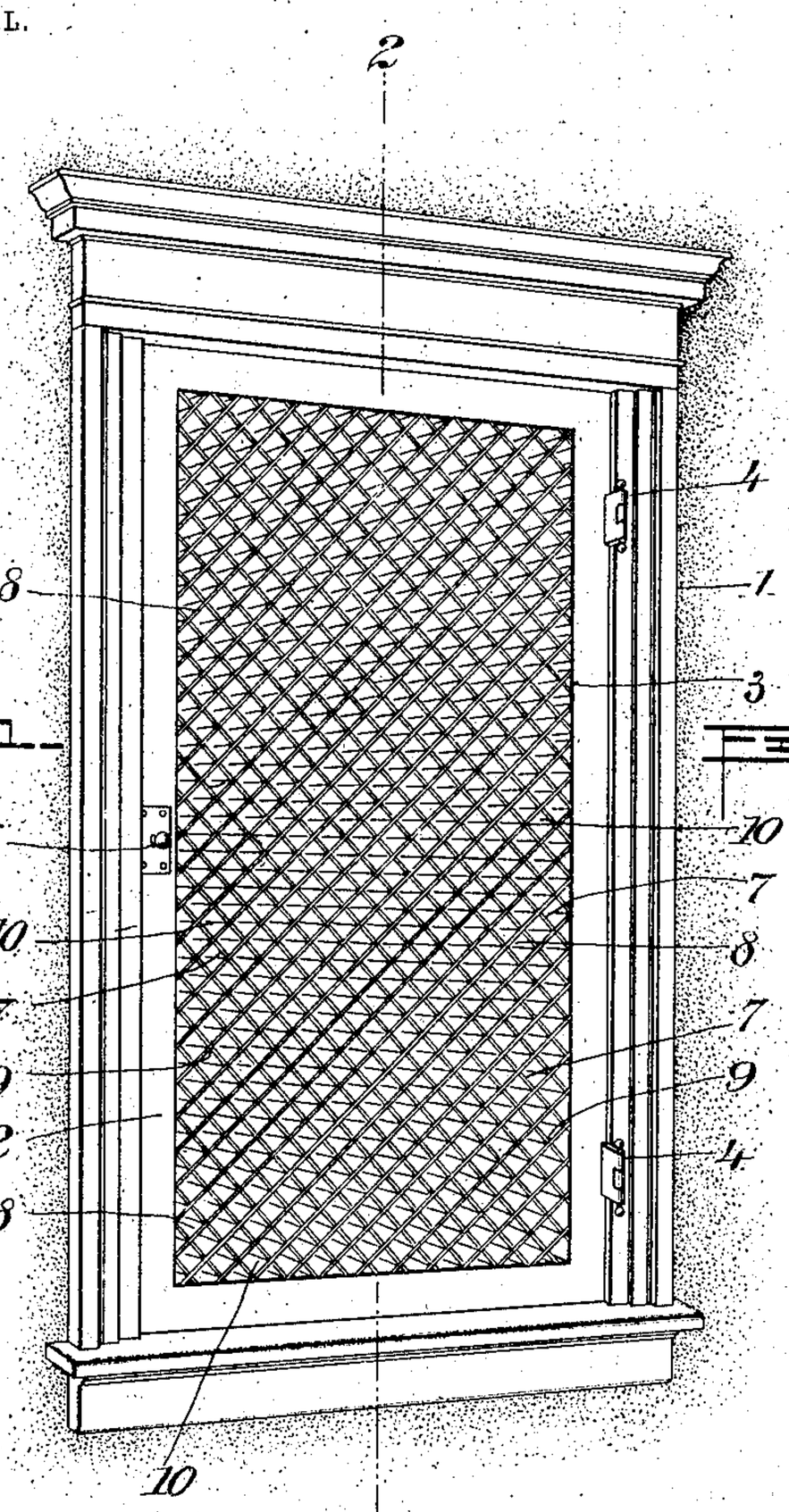


FIG. 2.

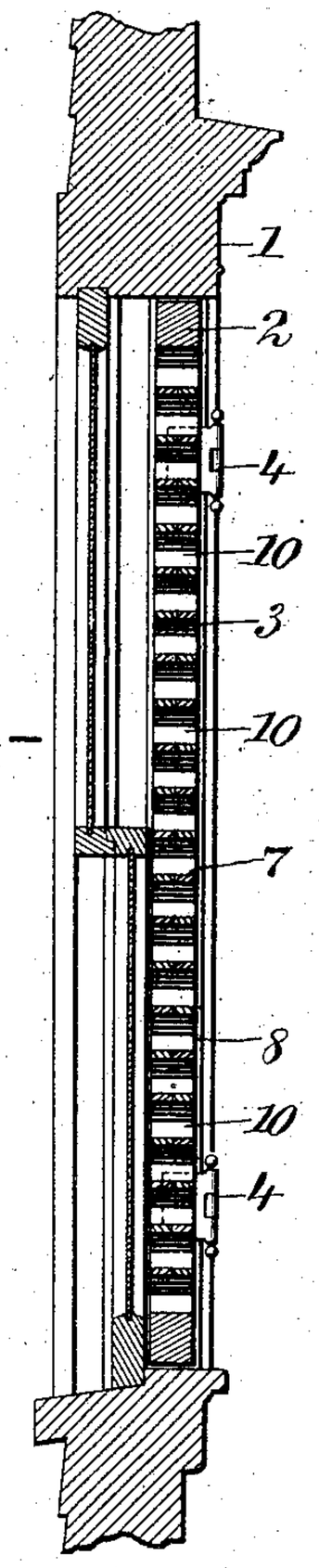
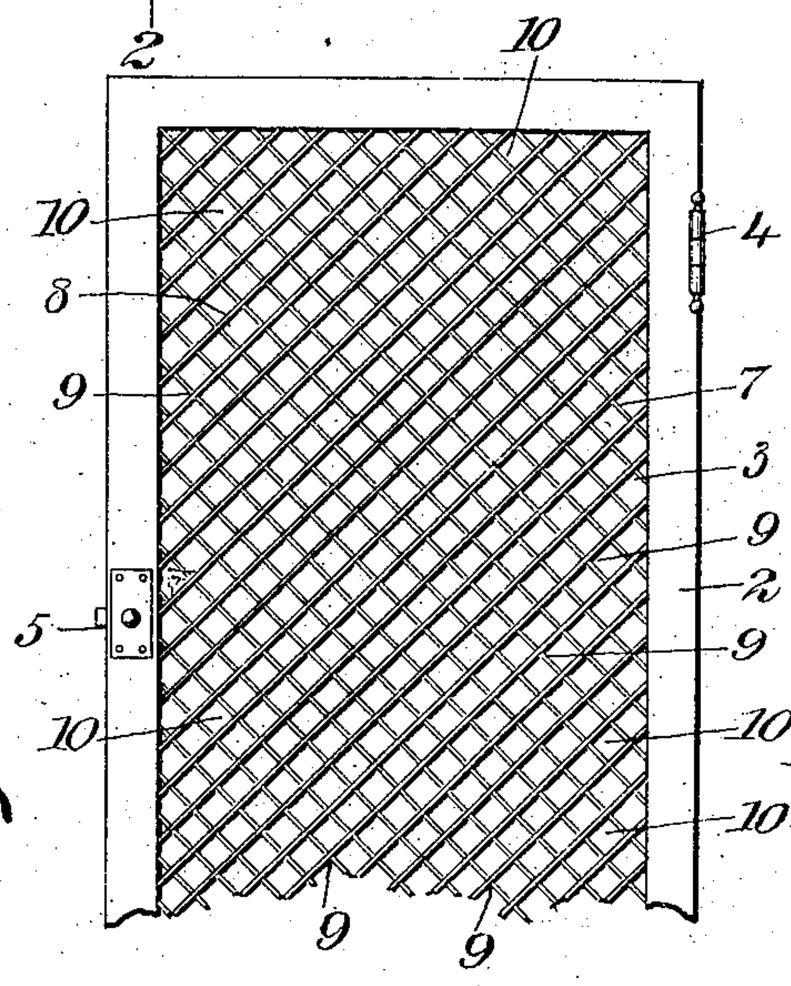


FIG. 3.



WITNESSES:

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No. 768,514. Patented August 23, 1904.

UNITED STATES PATENT OFFICE.

EUGENE CHRISTEN, OF DECATUR, INDIANA, ASSIGNOR OF ONE-HALF TO WILLIAM H. NIBLICK, OF DECATUR, INDIANA.

SCREEN FOR WINDOWS OR DOORS.

SPECIFICATION forming part of Letters Patent No. 768,514, dated August 23, 1904.

Application filed March 11, 1904. Serial No. 197,641. (No model.)

To all whom it may concern:

Be it known that I, EUGENE CHRISTEN, a citizen of the United States, and a resident of Decatur, in the county of Adams and State of Indiana, have invented a new and Improved Screen for Windows or Doors, of which the following is a full, clear, and exact description.

This invention relates to screens for windows and doors; and it consists, substantially, in the improvements hereinafter particularly described, and pointed out in the claims.

The principal object of the invention is to overcome numerous disadvantages and objections common to many other contrivances hitherto devised for similar purposes and also to provide a device of this character which is simple in its embodiment, as well as comparatively inexpensive to manufacture.

A further object is to provide a device of the kind referred to which is thoroughly effective and reliable in use, besides being easily and quickly applied, and possessing the capacity for long and repeated service.

The above and additional objects are attained by means substantially such as are illustrated in the accompanying drawings, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a view in perspective representing the application of my improved screen to the frame of an ordinary window or door. Fig. 2 is a vertical sectional elevation taken on the broken line 2 2 of the preceding figure; and Fig. 3 is a front elevation of the screen, partly broken off at the lower part thereof.

Before proceeding with a more detailed description it may be stated that in the form of my improvements herein shown I preferably employ a suitable frame for supporting the screen before or within the frame of an ordinary window or door, said screen being of special construction and operating to obstruct or effectually prevent the rays of the sun from entering the room or other compartment in which the same may be located. At the same time, however, the screen offers no obstruction to the entrance of light and air therethrough nor to the viewing of outside objects or surroundings from within, and while I have herein represented my improvements in a certain selected embodiment it will be understood, of course, that I am not limited to the precise details thereof in practice, since immaterial changes therein may be resorted to coming within the scope of my invention.

Specific reference being had to the drawings by the designating characters marked thereon, 1 represents the frame of an ordinary window or door, to which is applied a frame 2 for supporting my improved screen 3, said frame 2 being preferably (though not essentially) hung or mounted upon suitable hinges 4 and provided with a suitable lock or catch 5 for securing the same in closed position.

My said improved screen 3 is constructed, preferably, of opaque or non-reflective material, as wood or metal, and comprises a plurality of flat strips 7 and 8, of suitable width, extending diagonally to the sides and connecting portions of frame 2 and in different directions to each other from the faces thereof, as indicated at 9, to thus form numerous cells or conduits 10, having angular sides, as shown.

The rays of the sun striking upon the said sides from without are deflected in such manner as to be prevented from projection into the room or other compartment, while the said cells or conduits permit the light to enter the room, as will be fully apparent.

The cells or conduits are of appreciable length from one side to the other of the screen as distinguished from mere interstices or openings, as would be formed by the simple crossing of wires or the like, and they also serve to admit air to the room or compartment whenever the window at or before which they may be placed is open.

The advantages of my improved structure will be fully understood without further elucidation thereof.

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

1. A screen for windows or doors, comprising a plurality of flat strips extending sub-

stantially at right angles to each other at the faces thereof in the formation of numerous conduits whose lengths are greater than their diameters.

2. A screen for windows or doors, comprising flat bars arranged at angles one to the other forming cells or conduits, the cells or conduits being of such length relative to the diameter as to preclude the entrance of the sun's rays.

3. A screen for windows or doors, comprising flat bars arranged edgewise at angles one to the other and at right angles to the general plane of the screen, whereby elongated conduits will be formed, as and for the purpose set forth.

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

EUGENE CHRISTEN.

Witnesses:
HUBER M. DE VOSS,
LEWIS C. DE VOSS.