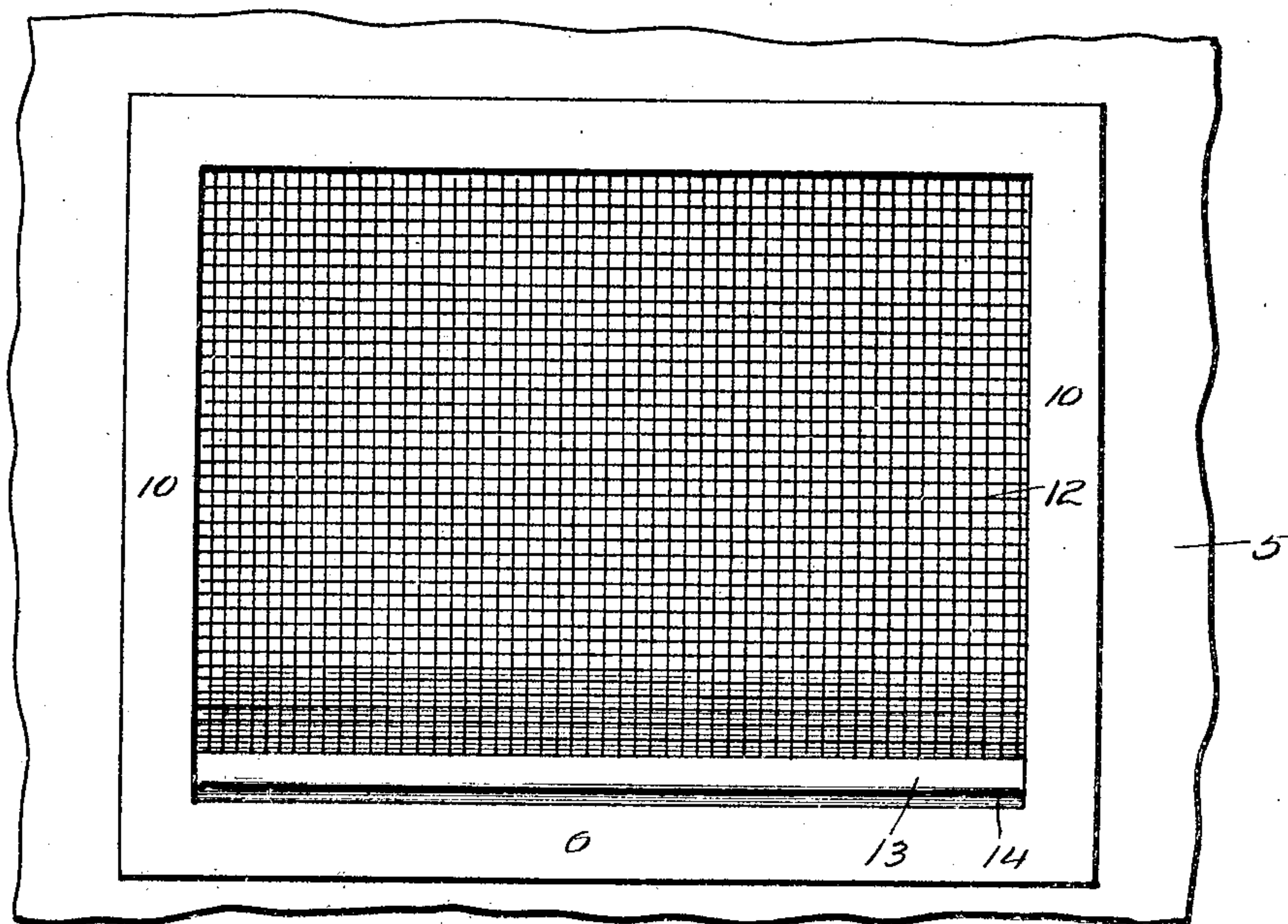


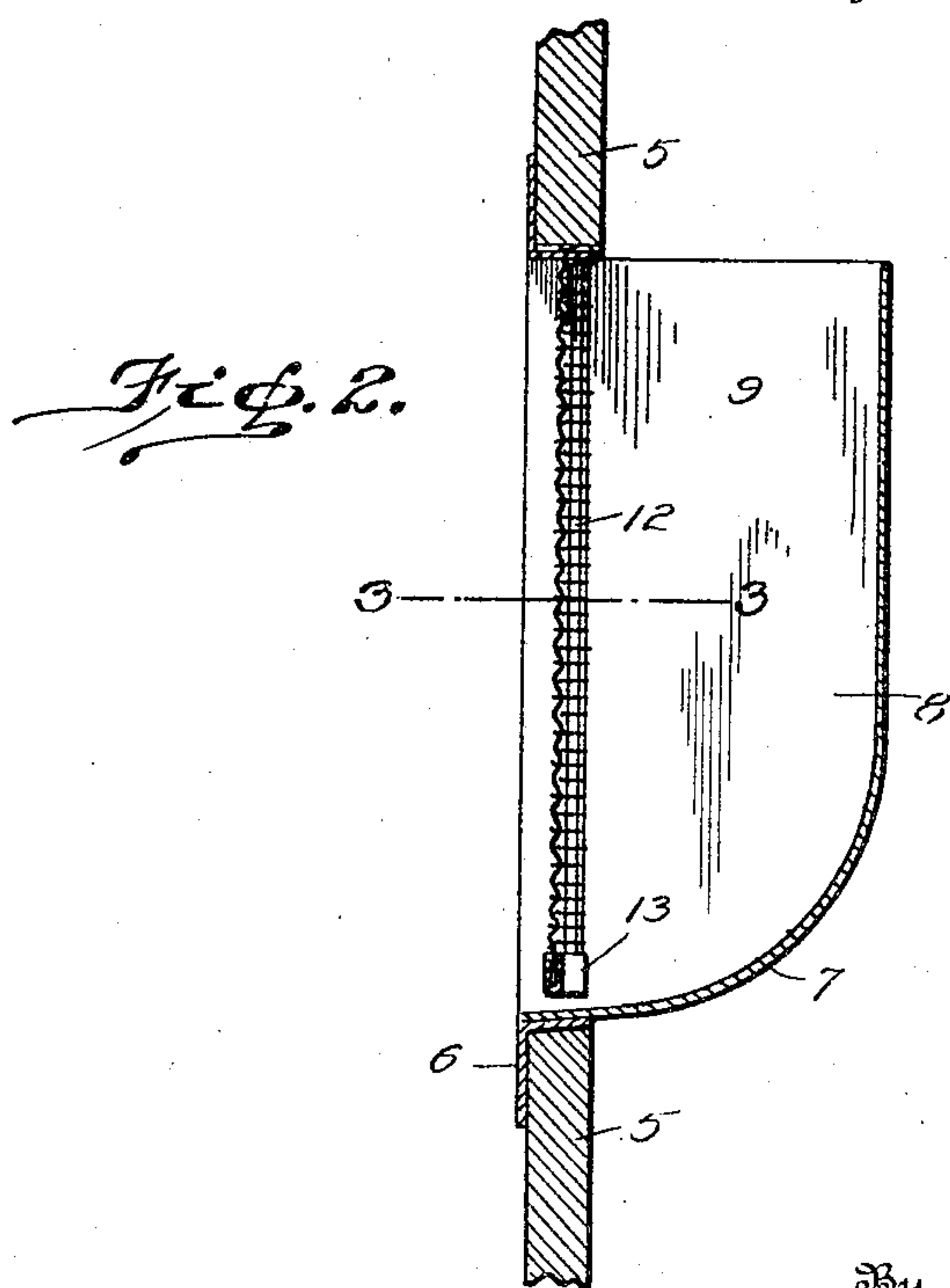
Jan. 2, 1923.

1,441,070.

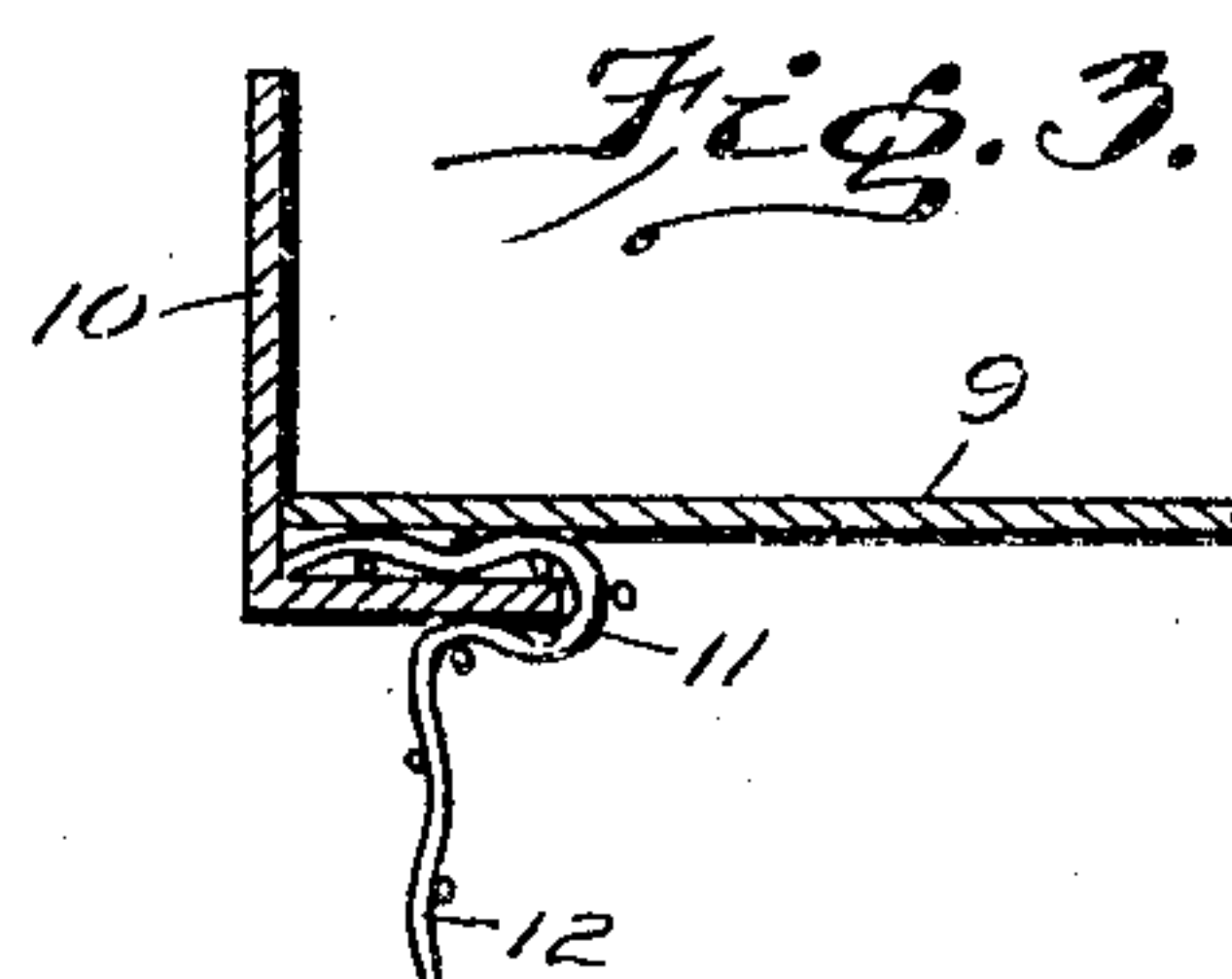
J. O. J. EDIN.  
VENTILATOR,  
FILED JUNE 23, 1921.



*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

Inventor  
*J. O. J. Edin*

By  
*Geo. P. Kimmel* Attorney



Patented Jan. 2, 1923.

1,441,070

# UNITED STATES PATENT OFFICE.

JOHN OTTO JULIUS EDIN, OF MORA, MINNESOTA.

## VENTILATOR.

Application filed June 23, 1921. Serial No. 479,876.

*To all whom it may concern:*

Be it known that I, JOHN OTTO JULIUS EDIN, a citizen of the United States, residing at Mora, in the county of Kanabec and State of Minnesota, have invented certain new and useful Improvements in Ventilators, of which the following is a specification.

This invention relates to ventilators and more particularly to a ventilator box adapted to be readily inserted in a suitable opening, for instance, in the wall of a barn, the said box being of such construction as to prevent rain, sleet, or snow from being confined in the same.

The primary object of the invention resides in the construction of a novel and improved ventilator box adapted to be positioned wherever desired in a building structure including provision for preventing the accumulation of dust, dirt and other foreign matter which might lodge in the bottom of the box.

Another and very important object of the invention resides in the construction of an open screened ventilator box capable of being installed and adapted for use in wooden as well as concrete structures, and particularly designed for installation in the walls of barns, and the like, the bottom of the screen being secured in spaced relation from the rounded bottom of the ventilator box so as to permit the cleaning of the interior of the box of any foreign matter that might accidentally accumulate therein.

Another and very important object of the invention is the provision of a ventilator box designed for use and adapted to be installed in various positions where desired, and one in which the parts are extremely simple in construction, easily assembled, rigid and durable, highly efficient in operation, practical and capable of being manufactured at a very low cost whereby its commercial possibilities are greatly enhanced.

With these objects in view and others which will be manifest and suggested as the purpose and nature of my invention are revealed in the following specification and drawing wherein I have shown a preferred embodiment thereof,

Figure 1 is a front view of the device.

Fig. 2 is a vertical sectional view thereof, and,

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2.

Referring now to the drawings wherein

like reference characters designate corresponding parts throughout the several views, 5 designates a portion of a wall of a building structure which is provided with an opening therein for receiving the ventilator box shown in detail by Fig. 2 of the drawing and which will now be described in detail.

The end walls 5 are preferably provided with an L-shaped metallic sill 6, which receives the bottom of the curved portion 7, of the metallic ventilator box designated in its entirety by numeral 8, and which is adapted to be seated and positioned within the opening formed in the side wall 5 above referred to. The side walls 9 of the box overlap the extended frame 10, as clearly shown by Fig. 3 and confine the ends 11, of the wire screen 12, which prevents the admission of dirt, dust or other foreign matter into the interior of the box as is readily understood. The lower end of the screen 12 is preferably secured to a cross piece 13 positioned in spaced relation with and in close proximity to the curved bottom 7, of the ventilator box, so as to provide a space 14 which permits the cleaning of the said ventilator box by the insertion of any flat instrument to remove the accumulated matter. In other words, by reason of this construction, any matter falling within the curved bottom of the ventilator box may be removed from the interior or exterior of the same with facility and ease and at all times maintain the ventilator in a clean condition. The opening 14 between the screen and the frame is not sufficiently large enough to permit the entrance of any birds or mice into the ventilator, which is the common objection to other forms of similar devices now in use.

The construction as above described, is extremely simple in its general arrangement since the same may be easily installed without any particular labor or skill in an opening in the wall of a building structure and since the device is such as lends itself to be manufactured in various shapes, sizes and styles to suit the needs and occasions as required, the ventilator box is extremely practical and useful for its intended purposes.

In the accompanying drawings, I have illustrated my invention embodied in one form by way of example, and which in practice has been found to be highly satisfactory in



obtaining the desired results. It will be obvious however that other embodiments may be adopted and that various changes in the details of construction may be resorted to by those skilled in the art without departing from the spirit and scope of the invention. It is furthermore understood that the invention is not necessarily limited or restricted to the precise elements shown except in so far as such limitations are specified in the subject matter being claimed.

Having shown and described my invention, what I now claim as new and desire to secure by Letters Patent of the U. S. is:—

1. A ventilator comprising a hood open at its front and top and having a downwardly and outwardly curved bottom, said hood adapted to be seated within the opening of a wall, and a foraminous element secured in the front portion of said hood

but spaced from the curved bottom thereof to provide for the removal of accumulated foreign matter from the exterior or interior of the hood.

2. A ventilator comprising a hood open at its front and top, and having a curved bottom adapted to be seated within the openings of a wall and projecting rearwardly therefrom, and a cross piece fixedly secured within said hood in close proximity to the bottom thereof, said cross piece spaced from said bottom, and a foraminous shield arranged at the front portion of said hood connected to the cross piece and further having portions thereof engaged by the sides of the hood for securing said portions in position.

In testimony whereof, I affix my signature hereto.

JOHN OTTO JULIUS EDIN.