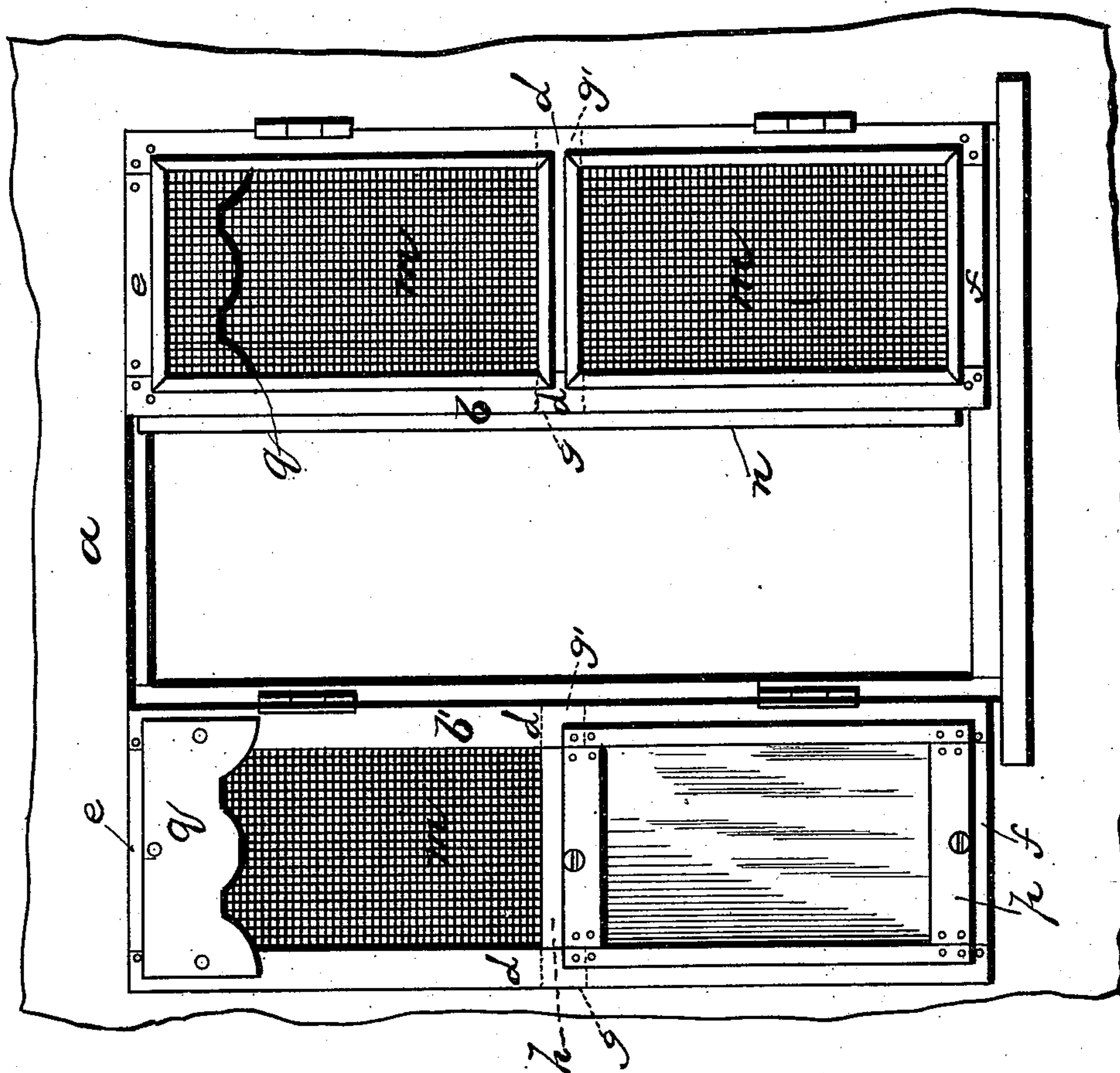


(No Model.)

M. COTTLE.
SHUTTER.

No. 292,101.

Patented Jan. 15, 1884.



WITNESSES.
E. H. Bates.
Thos. Munger.

INVENTOR
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UNITED STATES PATENT OFFICE.

MELVIN COTTLE, OF SCIPIO, KANSAS.

SHUTTER.

SPECIFICATION forming part of Letters Patent No. 292,101, dated January 15, 1884.

Application filed October 16, 1883. (No model.)

To all whom it may concern:

Be it known that I, MELVIN COTTLE, a citizen of the United States, and a resident of Scipio, in the county of Anderson and State of Kansas, have invented certain new and useful Improvements in Window-Shutters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters or figures of reference marked thereon, which form a part of this specification.

The figure of the drawing is a representation of a side elevation, one shutter shown open and the other closed.

This invention has relation to window-shutters; and it consists in the construction and novel arrangement of devices, as will be herein-after fully described, and particularly pointed out in the claim appended.

Referring by letter to the accompanying drawing, *a* designates the window-frame, and *b b'* the shutters hinged thereto, as shown.

In lieu of the slats commonly used in shutter-frames, I cover the open spaces of the frames with wire screens *m*, fastened to the outside of the frames, and protect their edges with beading. The edge of the shutter *b* is provided with a metal strip or flange, *n*, to make a tight joint at the meeting edges of the shutters when they are closed. The bottom of the shutters are raised slightly above the sill of the window-frame to permit any water that may sift through the screens in time of rain to run out.

The shutters may be provided with any ordinary catching devices to hold them closed or open.

To the inside of the shutters are removably secured four frames—only one of which, *p*, is shown—each containing a pane of good strong glass. These frames *p*, in connection with the

shutters, form the window proper, and when removed in warm weather leave attached to the window-frame the combined shutters and screen. Instead, however, of making the frames *p* removable, they may be made to slide in the shutter-frames, after the manner of ordinary sashes in the window-frame, so that they may be raised and lowered to afford proper ventilation; or they may be made both sliding and removable. I prefer, however, to attach them to the shutters during cold weather, and remove and store them away during the warmer months.

The joints of the frames for the glass are made in the same manner as that described for the joints of the shutters.

These shutters will admit the light and air to the room, and will exclude insects, rain, and frost, and will protect the glass from hail and the schoolboy's ball or other missile. They may be ornamented to suit the taste of the purchaser by means of metal plates, as at *q q*, scalloped or in other designs, and are cheap, durable, and convenient.

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

The combination, with the shutter-frames *b b'*, hinged to the window-frame, and provided with the wire screen permanently secured to their outer sides, of the frames *p*, containing the glass removably secured to the inside of the shutters, so as to be covered and protected by the permanent screens when the frames *p* are in place, substantially as specified.

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

MELVIN COTTLE.

Witnesses:

EDGAR SPANGLE,
REUBEN HOACH.