

G. HAYES.
PANELS FOR BLINDS.

No. 173,788.

Patented Feb. 22, 1876.

Fig. 3.



Fig. 1.

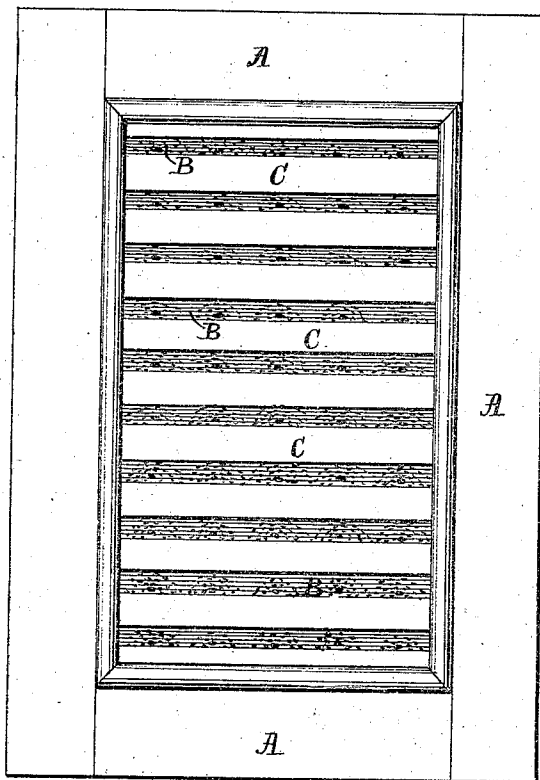
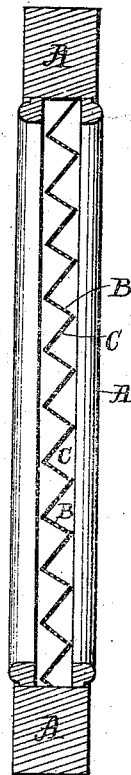


Fig. 2.



Witnesses:

William Lyatt
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UNITED STATES PATENT OFFICE.

GEORGE HAYES, OF NEW YORK, N. Y.

IMPROVEMENT IN PANELS FOR BLINDS.

Specification forming part of Letters Patent No. **173,788**, dated February 22, 1876; application filed January 17, 1876.

CASE E.

To all whom it may concern:

Be it known that I, GEORGE HAYES, of No. 71 Eighth Avenue, in the city, county, and State of New York, have invented a new and useful Improvement in Panels for Window-Blinds, shutters, doors, screens, shades of railroad-cars, and to take the place of movable or stationary slats in every instance where they may be used; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, which forms part of this specification.

This invention has for its object, or certain of them, the same as those described in my application for patent which was filed in the Patent Office, October 23, 1875, and being designated Case A—namely, to obstruct the direct rays of the sun, and to exclude dust, insects, &c.; and, as I propose using narrow strips of metal, I can construct the panels of smaller pieces or cuttings of the sheets which have been used for other purposes; consequently a saving in cost is effected.

My improvement consists in taking strips of metal one inch in width, more or less, which I perforate one-half of the width, leaving the other half blank. I then bend them in such a manner that the blank portion will shield or protect from the sun and rain the portion which I perforate. This I do by bending the strips of metal lengthwise, the perforated portion at a right angle to the blank portion. I leave them straight, or I can further bend or curve the perforated portion, so that when put together as a panel they resemble that described by me in the aforesaid application, Case A. The blank portion I place uppermost and at an angle, that the perforated portion is

protected and shielded, or I take the strip of metal perforated and blank, as before described, and construct a panel, placing the perforated portion uppermost, while the blank portion is bent outward at an angle or curve, so that it forms a ledge, which shields or protects the perforated portion of the strip coming next below. In forming a panel I place these strips of metal laterally, simply inserting the ends in the frame-work in a similar manner to that of securing stationary slats in an ordinary blind-frame. I then join the strips together along their lower edges, which, however, is only necessary when the panels are of wide dimensions. These strips may also be made to slide in a groove formed in the style of frame, so that they may be gathered together at the top or bottom of the blind, one interlapping the other.

Referring to the accompanying drawing, Figure 1 represents a front view of a panel. Fig. 2 represents a vertical section of same. Fig. 3 represents a modification in section.

Similar letters of reference indicate corresponding parts, in which A is the frame, to which the strips of perforated and blank metal, when bent into the proper form, are secured; B, the perforated portion of strips; C, the blank portion of strips.

What is here claimed, and desired to be secured by Letters Patent, is—

A panel composed of strips of metal, each strip having perforated and blank portions bent into the desired form, substantially as and for the purpose herein shown and described.

GEORGE HAYES.

Witnesses:

WILLIAM DYATT,
AMSON HACKER.