O. Snow,

Stair-Cover Facing,

No. 53,193, Patented Mar. 13, 1866.

Fig. 2.

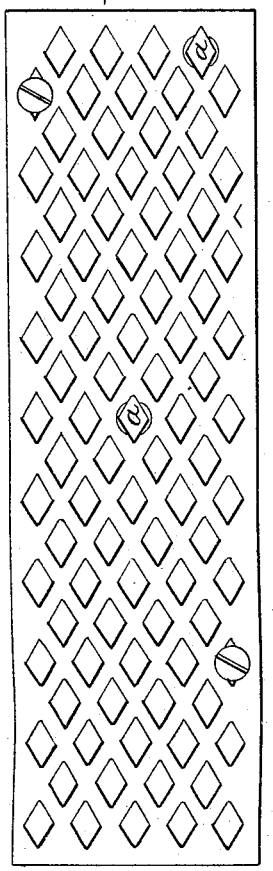
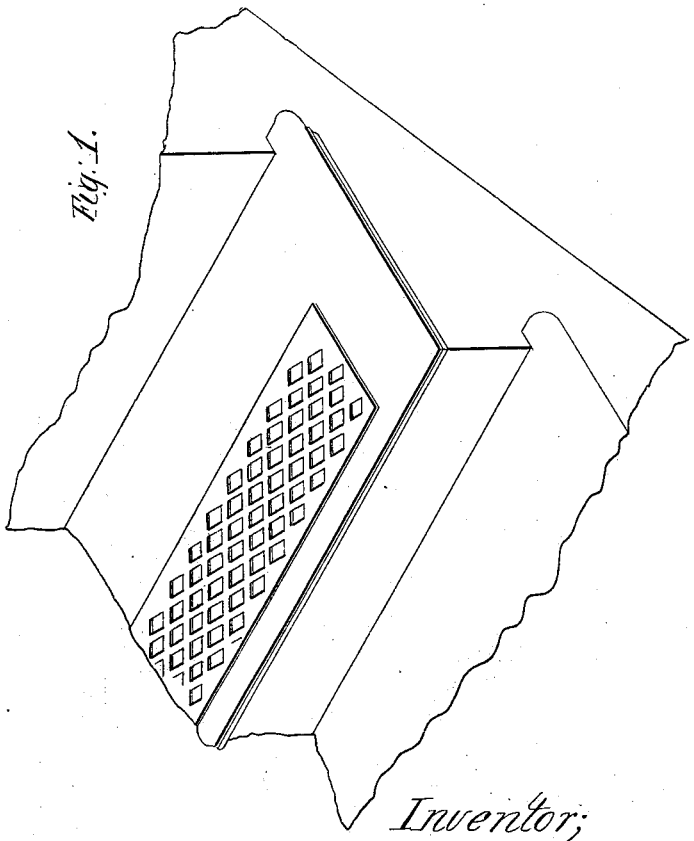


Fig. 1.



Witnesses;

Wilson H Clark

William B Stoddard

Inventor;

Oliver Snow

by his Atty

John E. Earle

UNITED STATES PATENT OFFICE.

OLIVER SNOW, OF MERIDEN, CONNECTICUT.

IMPROVED FACING FOR STAIR-TREADS.

Specification forming part of Letters Patent No. **53,193**, dated March 13, 1866.

To all whom it may concern:

Be it known that I, OLIVER SNOW, of Meriden, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Metal Facings for Stair-Treads; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of a stair with my facing placed thereon, and in Fig. 2 a face view of one tread-facing.

My invention relates to improvement in the manufacture of metallic facings for stair-treads.

Heretofore facings have been formed from cast-metal, necessarily heavy and clumsy, and from their unavoidable weight are expensive, and are avoided where anything like a neat or tasteful appearance is sought.

My invention, designed to overcome these objections to metallic stair-facings, consists in a sheet-metal facing perforated so as to prevent the foot from slipping, as also to give to the stair a tasteful appearance, and to reduce the weight of the facing, and provided with suitable holes for securing the facing to the tread.

To enable others to more fully understand my invention, as well as to enable those skilled in the art to manufacture and apply the same, I will proceed to fully describe the same as illustrated in the accompanying drawings.

I first cut the metal into plates of the given size and form—that is to say, according to the tread for which it is designed, whether for straight or winding stairs—preferring sheet brass or iron. I then, in any punching press or machine, punch out so much of the plate as will render the surface of the plate so uneven as to prevent the foot placed thereon in ascending or descending the stairs from slipping, preserving always the edge untouched by the punch entirely around the facing.

In Fig. 2 the punchings are represented as diamond form, which I find to be the most economical form—that is, the largest amount of metal is removed, while that remaining is in the best possible form to produce the object of stair-facings. The value of the metal thus punched from the plate fully pays the cost of labor, so that the cost of manufacture is simply the cost of the sheet metal. Other forms or designs of punching may be used, which will readily suggest themselves to designers of similar work.

In Fig. 1 the plate is represented as applied to a tread, the punched holes serving for the insertion of screws to secure the plate, first countersinking the perforation to receive the head of a screw or nail by which the facing is secured to the tread, so as be flush with or below the surface of the plate.

The flexibility of the plate will allow of its being formed to fit the nosing of the tread—one advantage over cast metal. Though designed to be placed directly upon the tread, yet the lightness of the metal and consequent neatness of the plate render it peculiarly adapted to be placed upon a carpeted tread for the preservation of the carpet.

Many other advantages which my facing has over others might be named; but enough has been said to show the practical utility of my invention.

I do not broadly claim perforated sheet-metal; but

What I claim as new and useful, and desire to secure by Letters Patent, is—

The herein-described sheet-metal facing for stair-treads, as a new article of manufacture.

OLIVER SNOW.

JOHN E. EARLE,
H. D. HATCH.