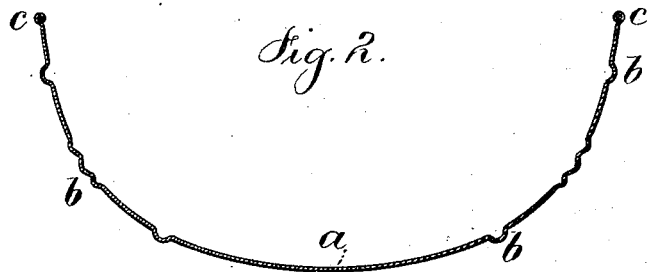
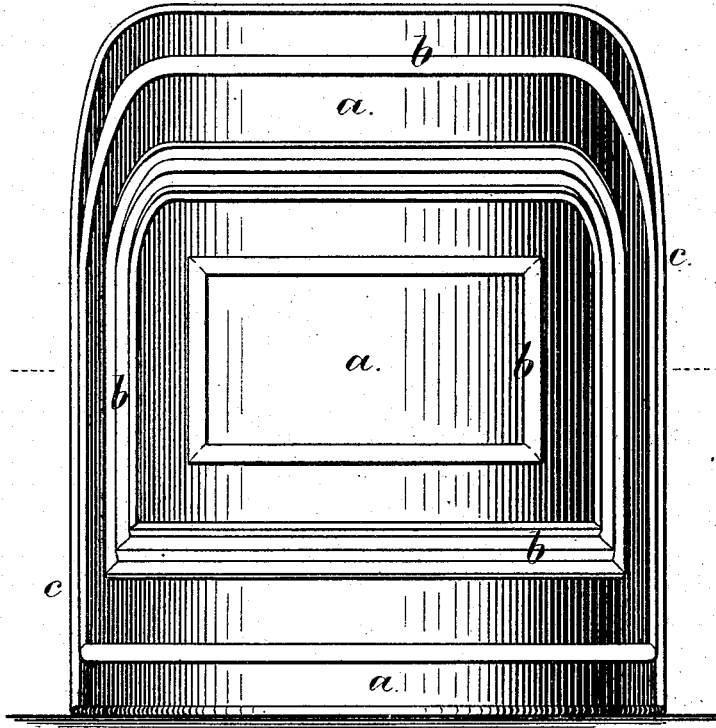


W. E. DODGE, Jr.  
Fire-Screens.

No. 196,342.

Patented Oct. 23, 1877.

Fig. 1.



Witnesses

Char H. Smith  
Harold Ferrell

Inventor.

William E. Dodge, Jr.  
per Samuel W. Ferrell  
att'y

# UNITED STATES PATENT OFFICE.

WILLIAM E. DODGE, JR., OF NEW YORK, N. Y.

## IMPROVEMENT IN FIRE-SCREENS.

Specification forming part of Letters Patent No. **196,342**, dated October 23, 1877; application filed August 16, 1877.

*To all whom it may concern:*

Be it known that I, WILLIAM E. DODGE, Jr., of the city and State of New York, have invented an Improvement in Fire-Screens, of which the following is a specification:

Screens for the front of fires, and for the rear of stoves, between the same and a wall, have been made in various forms of sheet metal. They, however, generally have a dull or rough surface, and become discolored by the atmosphere, besides which they are not of an ornamental character and are heavy and costly.

My screen is a new article of manufacture composed of sheet-zinc, stiffened with ribs or beads, and a surrounding tubular rib, and the surface is coated with a bronze varnish.

The screen made in this manner is light, cheap, strong, and well adapted to reflecting heat, and the sheets of zinc, being much larger than the tinned iron heretofore employed, allow the screens to be made without being disfigured with seams and joints.

In the drawing, Figure 1 is an elevation of the screen, and Fig. 2 is a section of the same.

The screen *a* is of sheet-zinc, stiffened with ribs and beads at *b*, to form one or more panels, and there is a tubular bead, *c*, around the edge.

The surfaces of the screen are covered with a bronze varnish, to improve the appearance, and to prevent the discoloration and oxidation of the zinc consequent upon atmospheric influence.

I claim as my invention—

A fire-screen of sheet-zinc, with a bronze surface, and stiffened by ribs, as a new article of manufacture, as set forth.

Signed by me this 14th day of August, A. D. 1877.

W. E. DODGE, JR.

Witnesses:

EMERSON COLEMAN,  
THOS. J. SANSON.