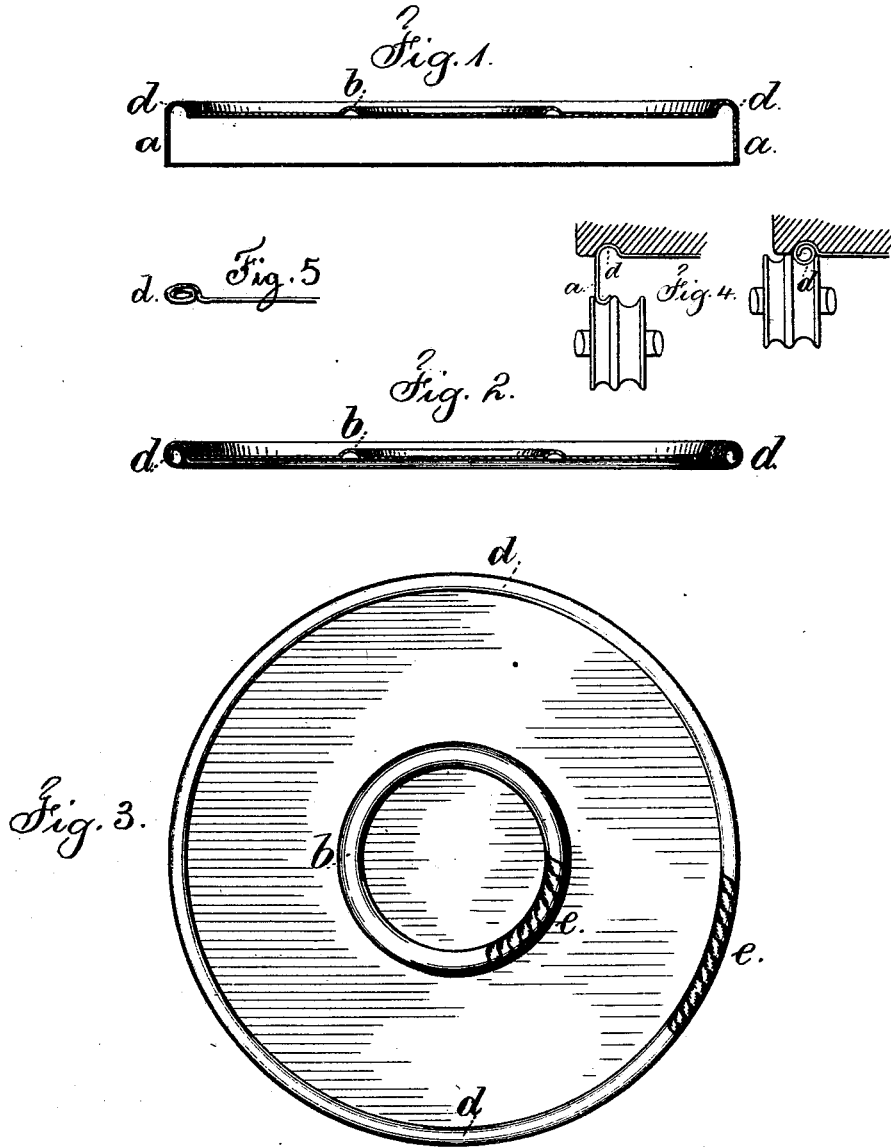


F. J. SEYMOUR.

FLOOR-PROTECTOR FOR STOVES.

No. 183,711.

Patented Oct. 24, 1876.



Witnesses

Chas. H. Smith
Geo. T. Pinckney

Inventor

Frederick J. Seymour.
per Lemuel W. Ferrell
att'y

UNITED STATES PATENT OFFICE.

FREDERICK J. SEYMOUR, OF WOLCOTTVILLE, CONNECTICUT, ASSIGNOR TO HIMSELF AND PHELPS, DODGE & CO., OF NEW YORK CITY.

IMPROVEMENT IN FLOOR-PROTECTORS FOR STOVES.

Specification forming part of Letters Patent No. 183,711, dated October 24, 1876; application filed August 21, 1876.

To all whom it may concern :

Be it known that I, FREDERICK J. SEYMOUR, of Wolcottville, in the State of Connecticut, have invented an Improvement in Floor-Protectors for Stoves, of which the following is a specification :

Sheet-metal plates have been used beneath stoves to protect the floor from the heat and dust of the stove, and these are sometimes called stove-boards.

My improvement relates to a means for stiffening and strengthening the rim of the sheet of metal, so that it renders the plate more rigid than heretofore, and it allows for the rim being ornamented by embossing.

The sheet of metal is cut out round, oval, or polygonal—preferably the former. The edges are stamped up into a cylindrical flange, as seen at *a* in Fig. 1, and at the same time the surface of the sheet is ornamented and stiffened by one or more concentric ribs, *b d*, the rib *d* being at the junction of the flange *a* and plate. The sheet metal of the edge of the cylindrical flange is now rolled over inward, to complete the rib *d*, with the metal double, there being two or more thicknesses in the rolled-up rib around the edge, as seen in Fig. 2.

This manner of making the rib insures great strength and stiffness in the sheet metal around

the edges, and said rib is to be ornamented with any desired embossed figure upon the upper surface, which consolidates the metal and causes the rib to assume about the form shown in Fig. 5.

Fig. 3 is a plan view of the finished stove-board. A portion of the ribs *b d* is represented as embossed at *e*.

The double sheet-metal rib might be rolled up by dies, but I prefer to mount the circular plate upon a revolving face-plate, and apply to the edge of the cylindrical flange a grooved roller, as illustrated in Fig. 4, said roller serving to bend over the edge of the plate and roll it into the form of the double rib, as shown.

I claim as my invention—

The floor-protector for stoves, having a rib around the edge of the sheet metal, double in the top part and outer edge of the rib, and the surface of such rib ornamented by embossing, substantially as and for the purposes set forth.

Signed by me this 17th day of August, A. D. 1876.

FREDK. J. SEYMOUR.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.