S. L. WARREN.

Stove-Platform.

No. 168,816. Patented Oct. 11, 1875.

Fig. 1.

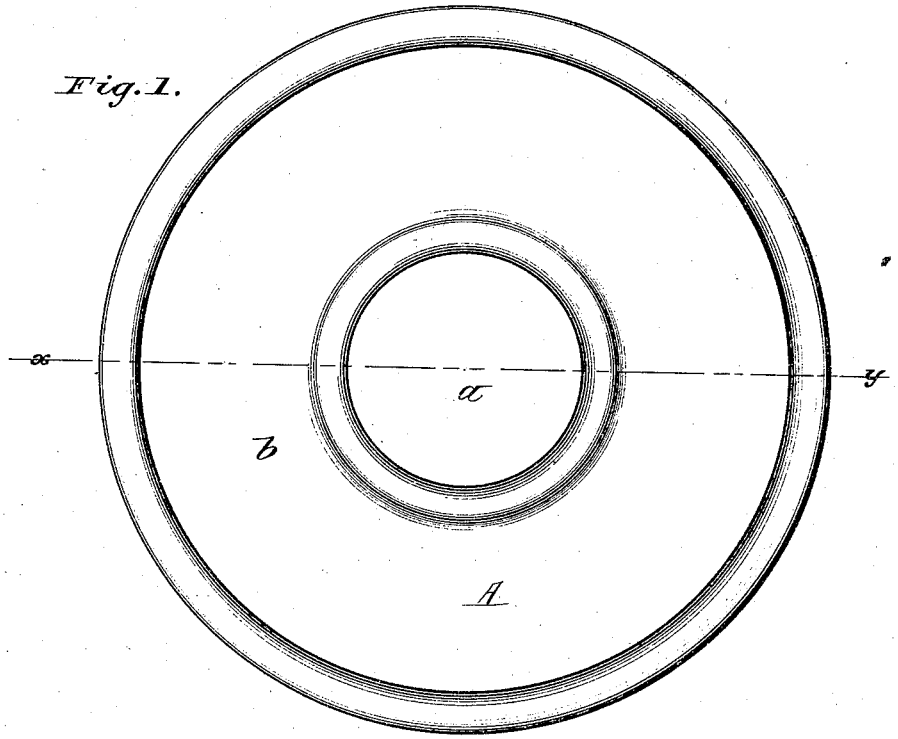


Fig. 2.

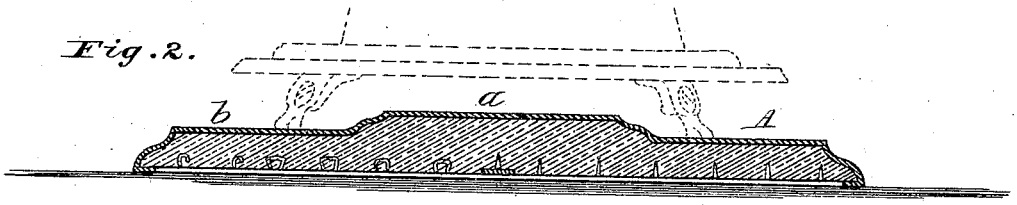
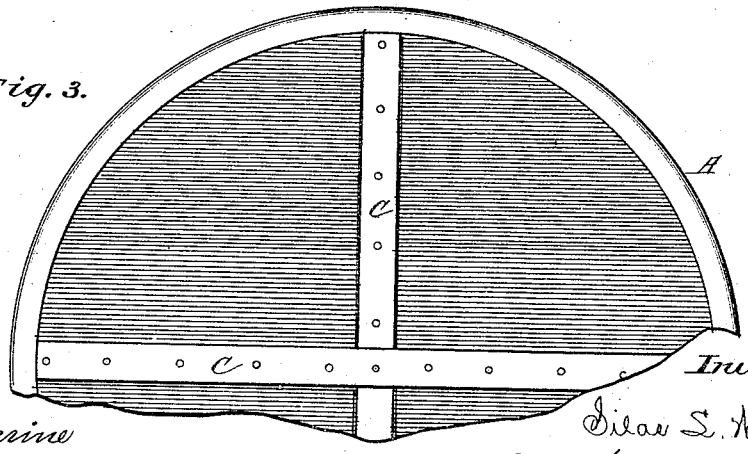


Fig. 3.



Attest:
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UNITED STATES PATENT OFFICE.

SILAS L. WARREN, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN STOVE-PLATFORMS.

Specification forming part of Letters Patent No. **168,816**, dated October 11, 1875; application filed August 28, 1875.

To all whom it may concern:

Be it known that I, SILAS L. WARREN, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Stove-Platforms, of which the following is a specification:

The object of this invention is to produce a strong, durable, and absolutely fire-proof stove-platform that will not warp like the stove-platforms in ordinary use, composed of sheet metal spun around a block of wood; and it consists in a spun-metal shell, filled with non-conducting cement, and provided with cross-bars extending across the bottom, having dovetailed or other shaped projections on the upper side, which extend into the shell and hold the composition or filling.

In the drawings, Figure 1 represents a top view of my improved platform, and Fig. 2 a sectional view thereof.

The letter A indicates a shell, which may be formed of sheet-zinc, tinned iron, or other suitable sheet metal. Said disk is constructed by spinning the same up over a chuck or former in a lathe, in the manner well known to workers in sheet metal, until a disk-like shell is produced, having a flat top, upon which the stove may stand.

In order to render the platform as light as possible without impairing its efficiency, I find it convenient in practice to form the shell with an elevated center, *a*, which will increase the thickness of said platform directly under the stove at the point subjected to the greatest heat, leaving an annular platform, *b*, around the same, which will amply protect the floor from falling coals and hot ashes. The shell thus formed is then filled with any plastic fire-proof composition or cement—such as clay, plaster-of-paris, or such substances mixed with asbestus or other well-known fire-proof material—which is allowed to dry or set in said shell.

In order better to hold said composition in place, the edges of the shell may be only partially filled with the cement, so as to allow the edges to be turned or pressed down upon it after setting. In addition to this the inner side of the shell may be provided with hooks, staples, or, in fact, any kind of projecting strips or pins, which may be soldered, riveted, or be otherwise secured thereto, which will be embedded in and assist to hold the composition, and cross-pieces C C may be extended across the lower part of the shell and attached thereto at the edges, to further assist in holding the composition in place. The said cross-pieces are provided with hooks, staples, or dovetailed or other projections on their upper sides extending into the shell, which will be embedded in the cement when the shell is filled, and further add to the security of the filling.

The stove-platform, as thus constructed, will be extremely durable, the metallic shell imparting to it the requisite strength to withstand any ordinary rough usage to which it may be subjected in handling. The filling being perfectly unaffected by atmospheric influences, the platform is not liable to warp or twist out of shape, which further increases its durability.

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

The combination of the metallic shell formed of sheet metal by spinning into shape, in combination with the filling of non-conducting cement and the cross-pieces at the bottom, provided with dovetailed or other shaped projections extending into the shell for the purpose of holding the cement in place, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of the subscribing witnesses.

S. L. WARREN.

Witnesses:

JOS. L. COOMBS,

JAMES L. NORRIS.