

(No Model.)

F. F. FARIS.
HEARTH BED FOR FIREPLACES.

No. 518,100.

Patented Apr. 10, 1894.

Fig. 1.

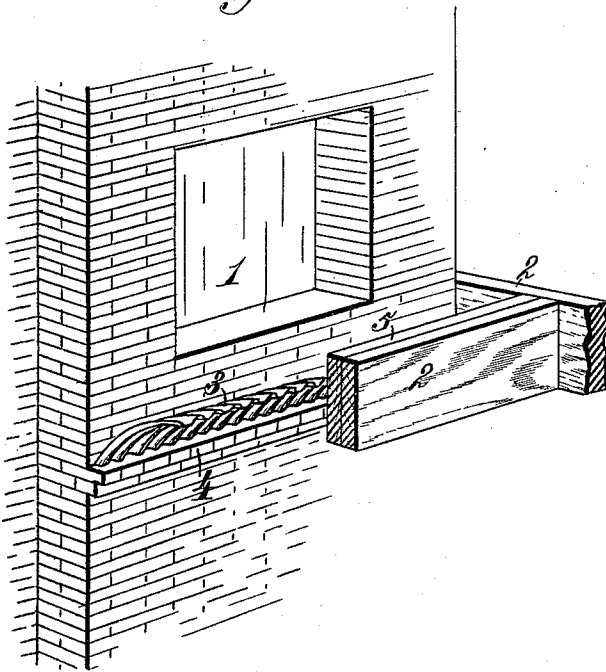
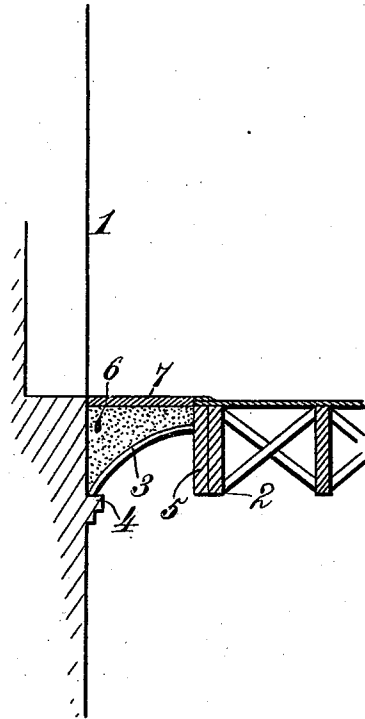


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

FREDERICK F. FARIS, OF WHEELING, WEST VIRGINIA.

HEARTH-BED FOR FIREPLACES.

SPECIFICATION forming part of Letters Patent No. 518,100, dated April 10, 1894.

Application filed August 21, 1893. Serial No. 483,633. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK F. FARIS, a citizen of the United States, residing at Wheeling, in the county of Ohio and State of West Virginia, have invented new and useful Improvements in Hearth-Beds for Fireplaces, of which the following is a specification.

This invention relates to hearth beds, and it has for its object to reduce the cost of construction thereof and furnish a strong, durable fire-proof base for the hearth.

In the usual construction of hearth beds a wooden boxing or frame of joists is formed around the brick chimney and provided with a wood bottom, the boxing being then filled in with sand or concrete, on top of which the hearth plate of brick, stone, or tile, is laid.

My invention consists in the combination of a transversely curved metal bed plate, a ledge or shoulder on the chimney to support the bed-plate at one side edge, and a joist or trimmer against which the other side edge of the bed plate binds.

The invention is illustrated in the annexed drawings, in which—

Figure 1 is a perspective, showing a portion of a chimney with my improved corrugated metal hearth bed in position to support a hearth to be built or laid thereon. Fig. 2 is a vertical transverse section through the hearth bed and hearth, with a portion of the adjacent chimney and flooring.

Referring to the drawings, the numeral 1 designates a portion of a chimney, and 2 the joists supporting the flooring of an apartment.

The metal hearth bed 3 may be made of light sheet iron and is corrugated and bent or curved transversely to form an arch. When placed in position one side edge of the corrugated metal hearth bed may rest on a ledge or shoulder 4 formed on the chimney wall. The other side edge of the arched metal hearth bed 3 binds against a trimmer or joist 5 in

front of the fire place and at a suitable distance therefrom. After the arched and corrugated metal hearth bed has been thus placed in position, the space above it is filled to a suitable depth with sand, concrete, or some appropriate non-conducting material, as shown at 6, Fig. 2, after which a hearth 7 of slate, tile, brick, or stone may be put in place.

I am aware that curved and corrugated metal plates or arches have been used in the construction of floors and ceilings, but such I do not broadly claim.

In my invention the metal bed 3, being corrugated, is strong and substantial, and renders it possible to avoid the employment of the usual wooden boxing or framing, so that the cost is materially reduced, and the construction is safer and stronger than the usual boxing, and secures a neater and smoother finish to the structure as a whole. The projecting ledge of the chimney fulfills the conditions required to suitably support the lower edge of the corrugated metal bed, while the upper edge of the latter can rest against the floor-joist 2, thus holding the metal bed in such position that the depth of the filling in material is increased in juxtaposition to the fire place, and a projecting ledge on the floor-joist for the upper edge of the metal bed is not essential.

What I claim as my invention is—

In a hearth, the combination of a transversely curved metal bed-plate, a ledge or shoulder on the chimney to support the bed-plate at one side edge, and a joist or trimmer against which the other side edge of the bed-plate binds, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FRED. F. FARIS.

Witnesses:

FRANK FARIS,
W. C. BROWN.