

H. CLAYTON.
HOODS FOR FIRE-PLACES.

No. 194,649.

Patented Aug. 28, 1877.

Fig. 2.

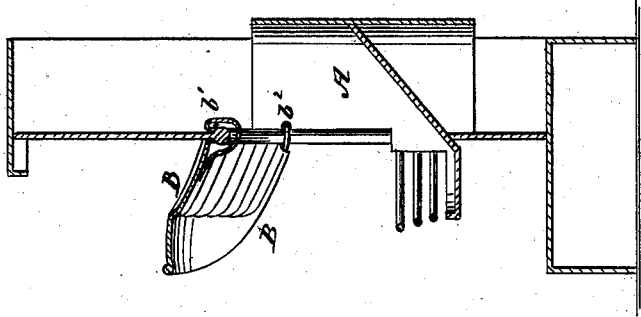
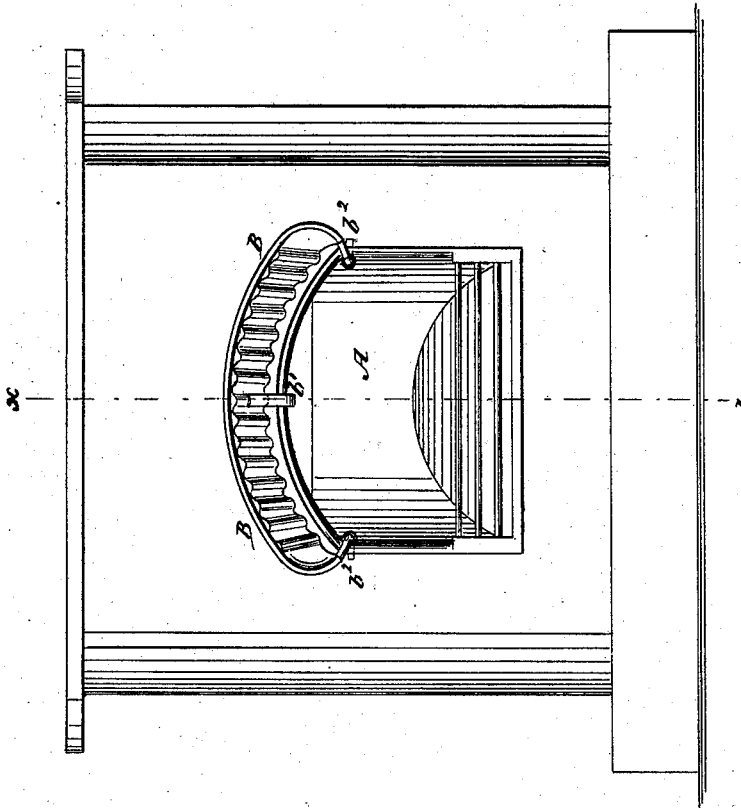


Fig. 1.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HERBERT CLAYTON, OF LEXINGTON, KENTUCKY.

IMPROVEMENT IN HOODS FOR FIRE-PLACES.

Specification forming part of Letters Patent No. **194,649**, dated August 28, 1877; application filed February 17, 1877.

To all whom it may concern:

Be it known that I, HERBERT CLAYTON, of Lexington, in the county of Fayette and State of Kentucky, have invented a new and useful Improvement in Hood and Heat-Reflector for Fire-Places, of which the following is a specification:

Figure 1 is a front view of my improved device, shown as applied to a fire-place. Fig. 2 is a vertical section of the same taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device for attachment to fire-places to prevent smoke, heat, and ashes from rising up about the mantle-piece, and at the same time to reflect the heat downward and outward into the room.

The invention will first be described in connection with drawing, and then be pointed out in the claim.

A represents the fire-place, which is lined with fire-brick, and provided with a grate in the usual way. B is the hood and reflector, which may be made of any sheet metal that will take a polish and reflect heat. The hood B is arched, and its rear edge is concaved to give the reflector an upward inclination.

The surface of the reflector may be either plain or corrugated. I prefer to make it corrugated, as it gives a greater reflecting surface.

The reflector is so arranged as to reflect the heat below the eye while throwing it out into the room.

The reflector is so formed and arranged as not to be in the way of those performing any operation about the fire.

To the middle part of the inner edge of the reflector B is attached a spring-clamp, *b*¹, to catch upon the inner surface of the arch of the fire-place, and to its ends are attached hooks *b*² to hook upon the sides of the fire-place.

What I claim as new and of my invention is—

A metallic sheet, B, arched, concaved on rear edge, having spring-clamp *b*¹, and provided with hooks *b*², as shown and described, to form a hood for fire-places.

HERBERT CLAYTON.

Witnesses:

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