

(No Model.)

M. SIERSDORFER.
FIRE PLACE PROTECTOR.

No. 420,972.

Patented Feb. 11, 1890.

Fig. 1.

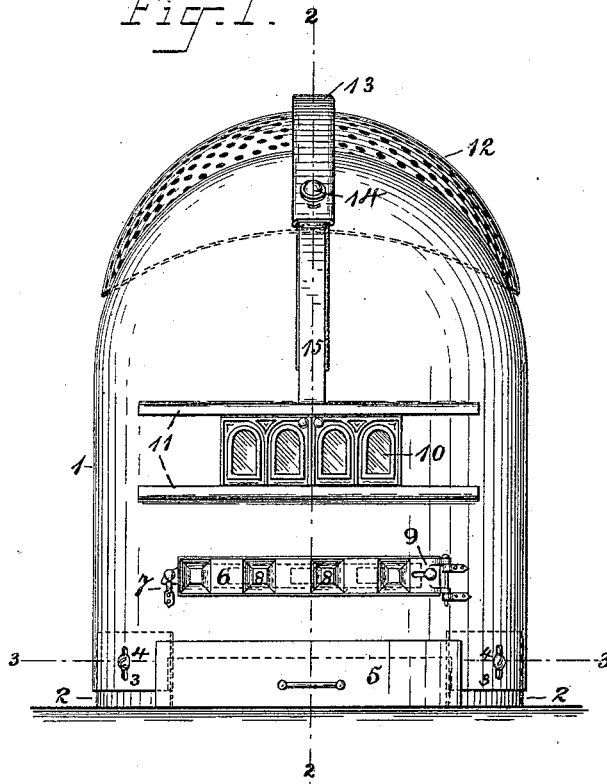


Fig. 2.

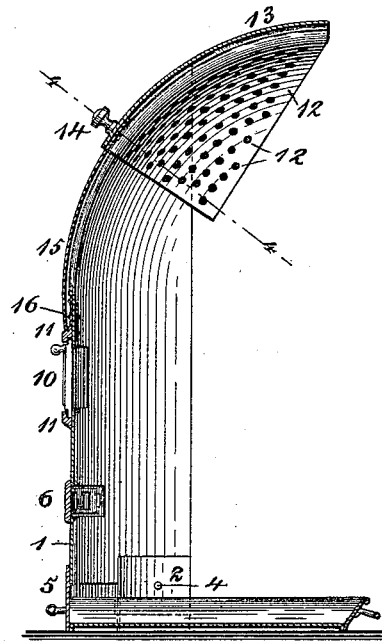


Fig. 3.

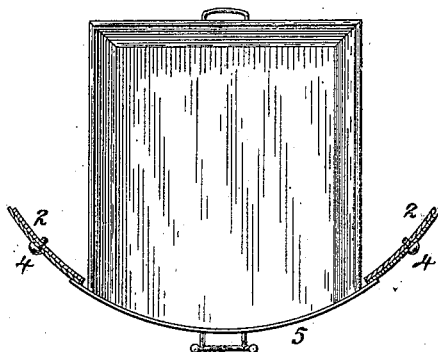
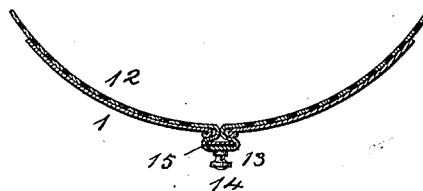


Fig. 4.



Witnesses.

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MICHAEL SIERSDORFER, OF LOUISVILLE, KENTUCKY.

FIRE-PLACE PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 420,972, dated February 11, 1890.

Application filed May 22, 1889. Serial No. 811,719. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL SIERSDORFER, a citizen of the United States, residing at Louisville, county of Jefferson, State of Kentucky, have invented a new and useful Improvement in Grate and Fire-Place Protectors, of which the following is a specification.

My invention relates to a grate and fire-place protector which, while guarding the skirts of women's and children's dresses from danger of ignition by contact with the grate, serves also as a blower and as an attachment whereby the fire can be perfectly regulated at pleasure.

The invention will first be fully described with reference to the accompanying drawings, and then pointed out in the claims.

In said drawings, Figure 1 is a front elevation of my improved fire-place protector. Fig. 2 is a vertical section of the same on the line 2 2 of Fig. 1. Fig. 3 is a horizontal section on the line 3 3 of Fig. 1. Fig. 4 is a section on the line 4 4 of Fig. 2.

The main body of the fire-place protector consists in a sheet-iron casing 1. This casing is designed to protect and hide the fire-place and grate. It has at bottom extensible curved plate or legs 2, which are connected to the main body of the casing 1 by slots and set-screws 3 4, so that the device is capable of application to fire-places of different sizes.

With my invention the fender is removable from the fire-place without removing the fire-place protector. I therefore form at the bottom of the fire-place protector an opening of sufficient height to receive the fender 4. The front 5 of the fender is made of sufficient height to pass above the opening. Immediately above the fender-front I place in the grate-protector a shutter 6, of elongated form, as shown, hinged at one end to the main body 1 and having at the other end a latch 7 for holding it in locked position. The shutter 6 covers a correspondingly-shaped opening in the front of the casing. It has the customary apertures 8 for the purposes of draft, which are adapted to be covered by a slide 9. For regulating the draft to the fire, the slide 9 is operated. When it is desired to clean the grate or brighten the fire, the shutter 6 can be turned about its hinge and the poker inserted in the opening which it covers. Immediately above the shutter 6

I arrange sliding doors 10, having suitable mica windows. These doors are mounted on guide-rods 11, attached to the front of the casing.

12 is a perforated damper. It has a projection 13, which passes through a slot arranged vertically in front of casing 1 and having on its face a button 14, capable of operation by the hand. An arm 15, fixed at 16 to the casing, serves to guide the damper 12 by projecting into the hollow of the projection 13, and at the same time serves as a cover for the vertical slot in the front of the casing when the damper is in its elevated position.

It will now be apparent that my improved grate-protector, while entirely hiding the grate or fire-place, so as to prevent any accident from fire communicating to objects in the room or to the dresses of persons therein, is capable of allowing access to the grate; also, complete regulation of the draft. If the fire should burn low, the shutter 6 is closed and the slide 9 therein is so placed as to close all the apertures in the shutter. At the same time the damper 12 is forced to its uppermost position, so as to effectually obstruct the chimney. To make the fire burn still brighter, it is only necessary to move the slide in the shutter 6, while to make it burn still more brightly it is only necessary to depress the damper 12.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. In a fire-place protector, the combination of rounded sheet-metal casing 1, elongated hinged shutter 6 in the lower part thereof, and sliding curved perforated damper 12 in the upper part thereof, substantially as set forth.

2. The combination of rounded sheet-metal casing 1, legs 2, adjustable, as described, elongated shutter 6, having regulating-slide 9, the doors 10, mounted on guide-rods 11, and perforated sheet-metal damper 12, having projection 13, guided in a slot at the upper end of said casing, substantially as set forth.

MICHAEL SIERSDORFER.

Witnesses:

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