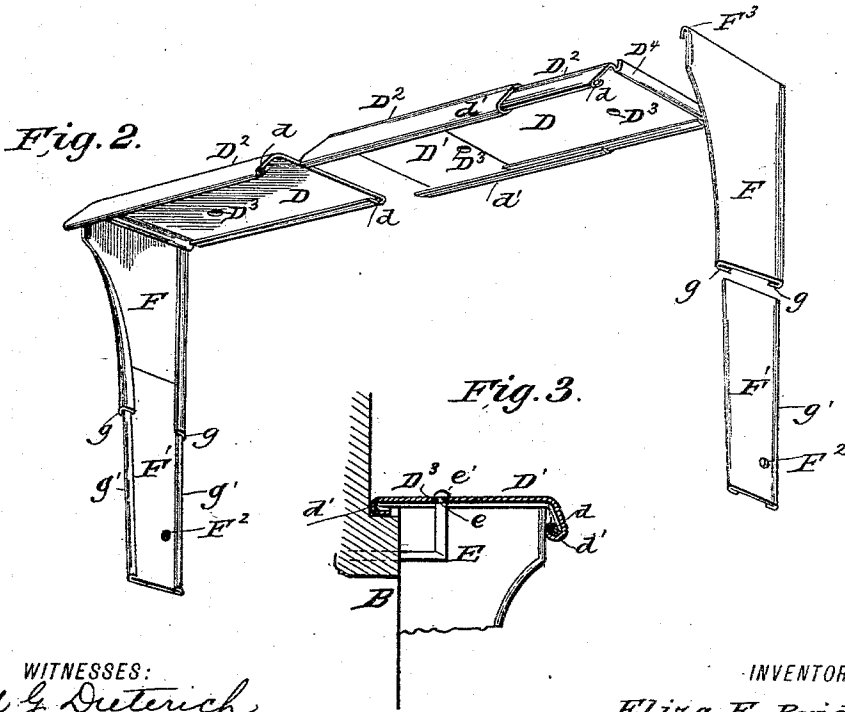
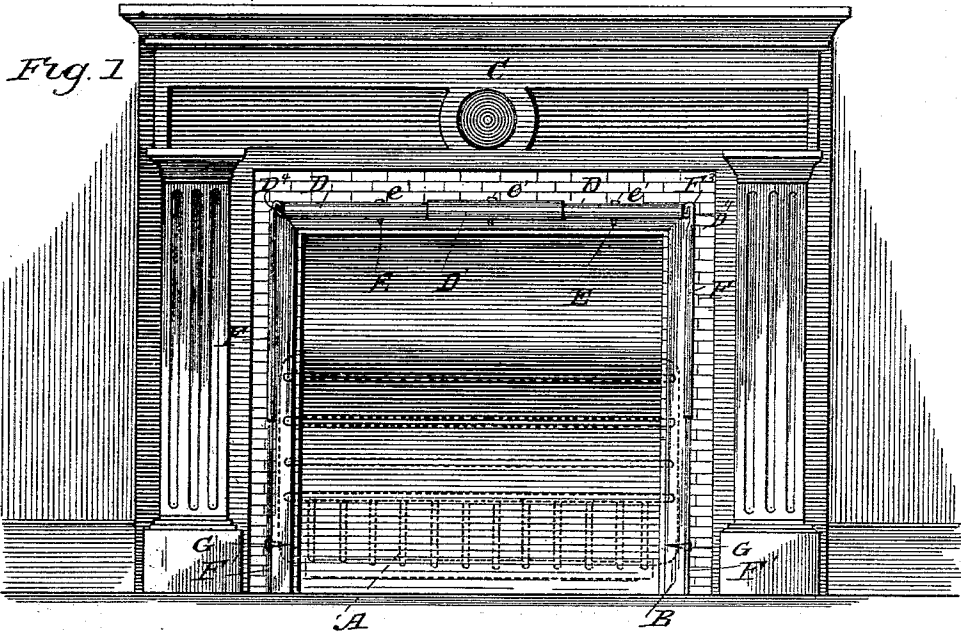


(No Model.)

E. E. BRIDGERS.

GRATE AND FIRE PLACE CORNICE AND MANTEL PROTECTOR.
No. 411,976. Patented Oct. 1, 1889.



WITNESSES:
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ELIZA EAGLES BRIDGERS, OF WILMINGTON, NORTH CAROLINA.

GRATE AND FIRE-PLACE CORNICE AND MANTEL-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 411,976, dated October 1, 1889.

Application filed May 11, 1889. Serial No. 310,367. (No model.)

To all whom it may concern:

Be it known that I, ELIZA EAGLES BRIDGERS, of Wilmington, New Hanover county, North Carolina, have invented certain new and useful Improvements in Grate and Fire-Place Cornices and Mantel-Protectors, of which the following is a specification.

My invention consists in a new and improved adjustable grate and fire-place cornice and mantel-protector, which will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a front elevation showing a mantel-piece having my invention in position. Fig. 2 is a perspective detail view of my mantel-protector and fire-place cornice, and Fig. 3 is a vertical sectional view taken through the center of the middle section of the protector.

The same letters of reference indicate corresponding parts in all the figures.

Referring to the several parts by letter, A indicates a grate, B the grate-frame, and C the mantel.

The object of my invention is to protect mantels—especially wood mantels—from heat and smoke, and also to protect lambrequins and other objects on mantels from both heat and smoke; and to this end my invention consists in the new and improved protector which will be now set forth.

The top of my adjustable protector is adjustable in length, being formed in three pieces or sections—a middle section D' and end sections D D. These top sections are flat, and are curved, bent down near their front edges at D², as shown, to render them more effective as a hood to protect the top of the mantel and the lambrequin or other objects on it from heat and smoke. The end sections D D have their front and rear edges enlarged and strengthened by being bent over wires d, while the middle section D' has its front and rear edges bent to form grooves d', in which the edges of the end sections fit and slide, the middle section fitting over the inner ends of the end sections, as shown.

In the top of the grate-frame B are secured retaining-hooks E, usually three in number. The upper ends of these hooks are preferably formed with an annular groove or neck e, leav-

ing a head e' at the hook end, which construction will assist in holding the protector on the hooks. Each of the three sections of the top is formed with an aperture D³, and in placing the protector in position the adjustable top is first adjusted to suit the width of the grate-frame around which the protector fits by sliding the inner ends of the end sections D D in or out in the middle section D', when the top is placed in position by passing the ends of retaining-hooks E up through the apertures D³ in the middle and end sections.

The side pieces of the protector are made adjustable in height by forming them in two sections—an upper section F and a lower section F'. The side pieces are curved in on their outer edges from a point near their tops, as shown, and the longitudinal edges of the tops F are bent in to form grooves g, in which the longitudinal edges g' of the lower sections F', which are bent over to thicken and strengthen them, fit and slide. The side pieces are connected to the top of the protector by a slide-joint formed by flanges D⁴ on the outer ends of the end sections D D, over which the upper ends of the sides, which are bent over to form grooves F³, slide. The top being adjusted and fixed on the hooks E, as described, the side pieces are placed in position by sliding the ends of their upper sections over the flanged outer ends of the top, when the lower sections F' are drawn down to the proper length to suit the height of the grate-frame, and secured by nails or screws G, passing through apertures F² in the lower ends of sections F' and into the grate-frame.

It will be seen from the foregoing that my protector can be adjusted to fit any size grate and mantel; that it can be readily applied, and will be held firmly in its operative position.

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

1. A mantel-protector consisting of an adjustable top formed of the middle section D', bent down near its front edge, and the end sections D D, bent down near their front edges and having the outer upwardly-extending end flanges D⁴, and the adjustable and remov-

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able side pieces formed of the lower sections F' and the upper sections F, having the top end grooves F³, substantially as set forth.

2. In a mantel-protector, the combination
5 of the retaining-hooks E, the adjustable top formed of the middle section D', bent down near its front edge and having the aperture D³, and the end sections D, bent down near
10 their front edges and formed with the apertures D³ and the outer upwardly-extending

end flanges D⁴, the adjustable sides formed of the lower sections F', having the apertures F², and the upper sections formed with the upper end grooves and the retaining-screws, substantially as set forth.

ELIZA EAGLES BRIDGERS.

Witnesses:

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