

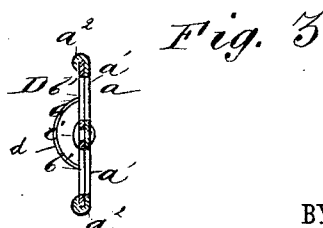
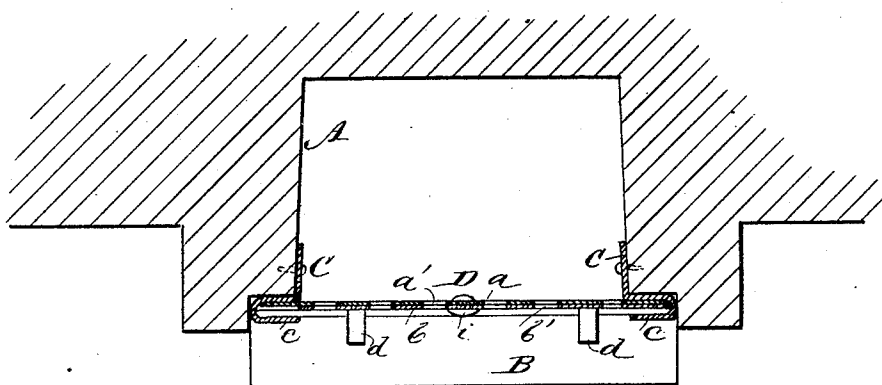
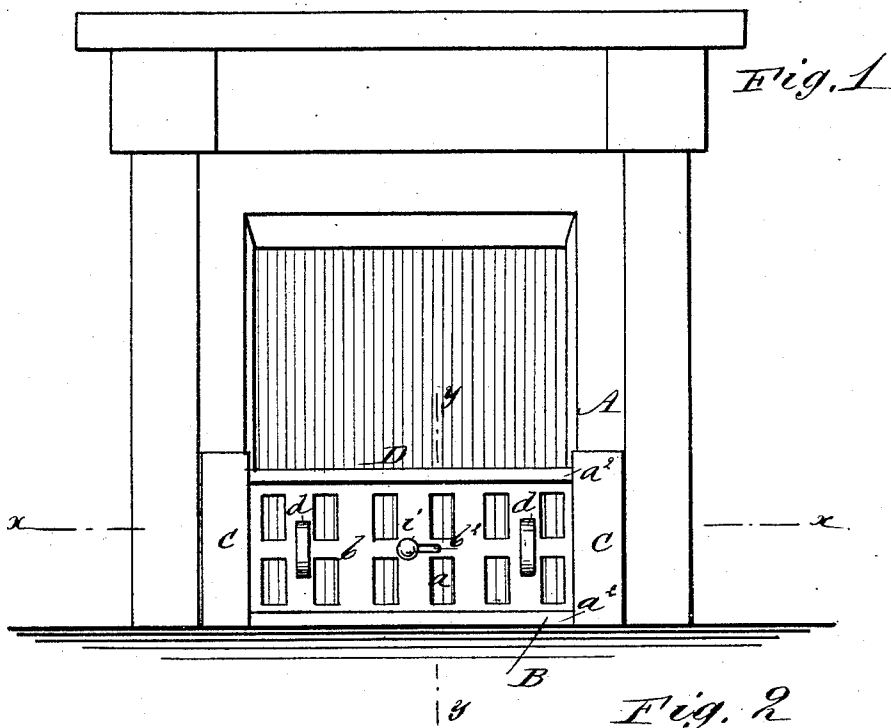
(No Model.)

B. V. BUTTS.

FENDER.

No. 354,501

Patented Dec. 14, 1886.



WITNESSES:

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UNITED STATES PATENT OFFICE.

BAKER VADEN BUTTS, OF HALIFAX, NORTH CAROLINA.

FENDER.

SPECIFICATION forming part of Letters Patent No. 354,501, dated December 14, 1886.

Application filed May 5, 1886. Serial No. 201,188. (No model.)

To all whom it may concern:

Be it known that I, BAKER VADEN BUTTS, of Halifax, in the county of Halifax and State of North Carolina, have invented a new and Improved Protector for Fire-Places, of which the following is a full, clear, and exact description.

The object of my invention is to provide a practical device to be attached to open fire-places to prevent coal, sparks, &c., from snapping out into the room; and the invention consists in the peculiar construction and arrangement of parts, as hereinafter fully described, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of a mantel-piece, fire-place, and hearth having my invention applied thereto. Fig. 2 is a sectional plan view of the same, taken on the line xx of Fig. 1; and Fig. 3 is a sectional view of the fender, taken on the line yy of Fig. 1.

To the sides of the fire-place A, over the hearth B, are secured the angle-plates C C, which are formed with the loops c c , to receive and hold the protector D in front of the fire-place, and so that it rests upon the hearth B.

The protector D may be a plain fender made of sheet metal; but I prefer to form it with a damper, so that by opening the damper the protector will in no manner interfere with the draft of the fire-place, and for this purpose I form the protector of two plates, the inner plate, a , and outer plate, b . The inner plate, a , is slotted to form the openings a' , and this plate is of full length to reach to the outer edges of the loops c , and it is rolled at its edges to form

grooves a'' , to hold the outer plate, b , by its edges. The outer plate, b , is slotted at b' to correspond with the slots a' in the plate a , and it is shorter than the plate a and provided with the handles d d , by which it may be conveniently moved longitudinally in the grooves a'' to open or close the slots. The plate b is slotted in the center, as shown at b'' , and is there connected with the plate a by the headed button or rivet i , to prevent the plates from spreading apart at the center. By sliding the plate b so the slots b' thereof coincide with the solid portions of the plate a the protector presents a solid surface in front of the fire-place, so that no coal or sparks can snap from the fire-place into the room, and by moving the plate b so its slots coincide with the slots of the plate a the fender permits a draft into the fire-place.

By means of the handles d the protector may be conveniently lifted from the holders C and replaced, so that the fire-place may be conveniently cleaned or replenished with fuel.

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

The within-described fire-place protector, comprising the plates C, bent to form the corresponding loops c , and adapted to fit over the angles of the jambs, and the register D, fitted into loops c , and consisting of the slotted inner plate, a , having its upper and lower edges bent to form grooves a'' , and slotted outer plate, b , sliding in said grooves, and provided with handles, as specified.

BAKER VADEN BUTTS.

Witnesses:

EDWIN T. CLARKE,
E. L. TRAVIS.