

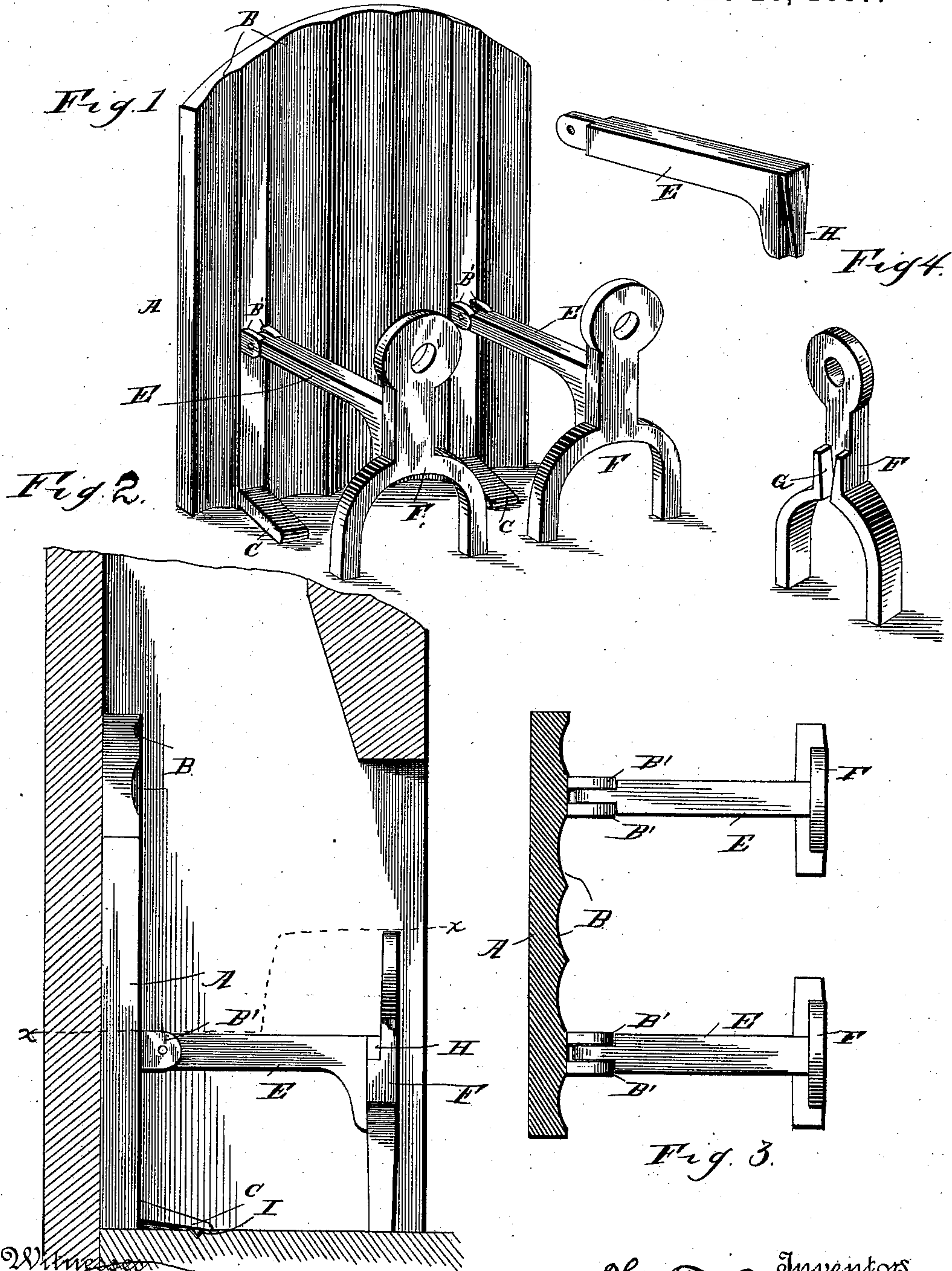
(No Model.)

H. F. BAYNE & J. DWYER.

FIRE BACK AND ANDIRON FOR FIRE PLACES.

No. 365,360.

Patented June 28, 1887.



Witnessed  
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# UNITED STATES PATENT OFFICE.

HENRY F. BAYNE AND JOHN DWYER, OF RUSTON, LOUISIANA; SAID BAYNE  
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## FIRE-BACK AND ANDIRON FOR FIRE-PLACES.

SPECIFICATION forming part of Letters Patent No. 365,360, dated June 28, 1887

Application filed March 4, 1887. Serial No. 229,711. (No model.)

*To all whom it may concern:*

Be it known that we, HENRY F. BAYNE and JOHN DWYER, citizens of the United States, residing at Ruston, in the county of Lincoln and State of Louisiana, have invented new and useful Improvements in Fire-Backs and Andirons for Fire-Places, of which the following is a specification.

Our invention relates to an improvement in fire-backs and andirons for fire-places; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of our invention. Fig. 2 is a side elevation of the same. Fig. 3 is a top plan view, partly in horizontal section on the line *x x* of Fig. 2. Fig. 4 is a detail view of the andirons.

A represents the fire-back, which is made of cast or wrought iron and of suitable size and thickness. The front side of the fire-back is provided with a vertical series of grooves or corrugations, B, and at the lower side of the fire-back are formed two forwardly projecting downwardly-inclined feet, C, the function of which is to bear upon the hearth, and thereby cause the fire-back to fit snugly against the back of the fire-place, and also prevent the fire-back from tilting forward in the fire-place. The corrugations or grooves B reduce the weight of the fire-back, and thereby render it cheaper, and they serve a useful purpose in bracing and strengthening the fire-back and preventing the same from becoming warped and twisted by the heat. The said grooves or corrugations also form vertical flues on the front side of the fire-back, to permit a free passage of air between the fire-back and the burning fuel at all times, and thus promote active combustion. They also serve to radiate the heat more effectually.

From the front side of the fire-back, at a suitable distance from the bottom and side edges thereof, project two pairs of ears, B', between which are pivoted the rear ends of

the horizontal bars E, which, together with the fronts or standards F, constitute the fire-dogs or andirons. The said fronts or standards are provided on their rear sides with downwardly-extending wedge-shaped dovetailed grooves G, and the front ends of the pivoted bars E are provided with similarly-shaped tongues H, which are adapted to fit snugly in the grooves G, and thereby secure the fronts or standards F firmly to the front ends of the bars.

From the foregoing description it will be readily understood that the andirons are pivoted or hinged to the front side of the fire-back, and thereby the said andirons may be raised and folded upwardly against the fire-back, in order to entirely clear the hearth of obstructions and permit the same to be readily swept. The standards or fronts F of the andirons are detachable from the bars E, in order that the latter may be folded snugly against the front side of the fire-back, and its fronts or standards may be then packed against the front side of the fire-back, thus enabling the entire contrivance to be confined in a very small space, and thereby reducing the cost of transportation.

In order to prevent the lower edge of the fire-back from slipping forward on the hearth, we provide each of the inclined feet C with a downward-extending stud or pin, I, which is adapted to enter a suitable recess made in the hearth, as shown in Fig. 2.

Having thus described our invention, we claim—

1. The combination of the fire-back, the bars E, having their rear ends pivoted or hinged to the front side of the fire-back, and the fronts or standards F, detachably secured to the front ends of the bars E, substantially as described.

2. The fire-back provided at its lower edge with the forward-extending feet C, to rest upon the hearth, for the purpose set forth, substantially as described.

3. The fire-back having the forward-extending feet C at its lower end to rest upon the hearth, the said feet being provided with the

depending studs or pins to enter recesses made in the hearth, for the purpose set forth, substantially as described.

4. The combination of the fire-back, the bars  
5 E, hinged to the front side thereof and provided with the tongues H at their ends, and the standards F, provided with the grooves G, to receive the tongues H, substantially as specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

HENRY F. BAYNE.  
JOHN DWYER.

Witnesses:

JOHN E. J. COTTLE,  
J. J. BOOLES.