

No. 841,020.

PATENTED JAN. 8, 1907.

S. KIPER.  
FIRE SCREEN.

APPLICATION FILED MAY 15, 1905.

Fig. 1.

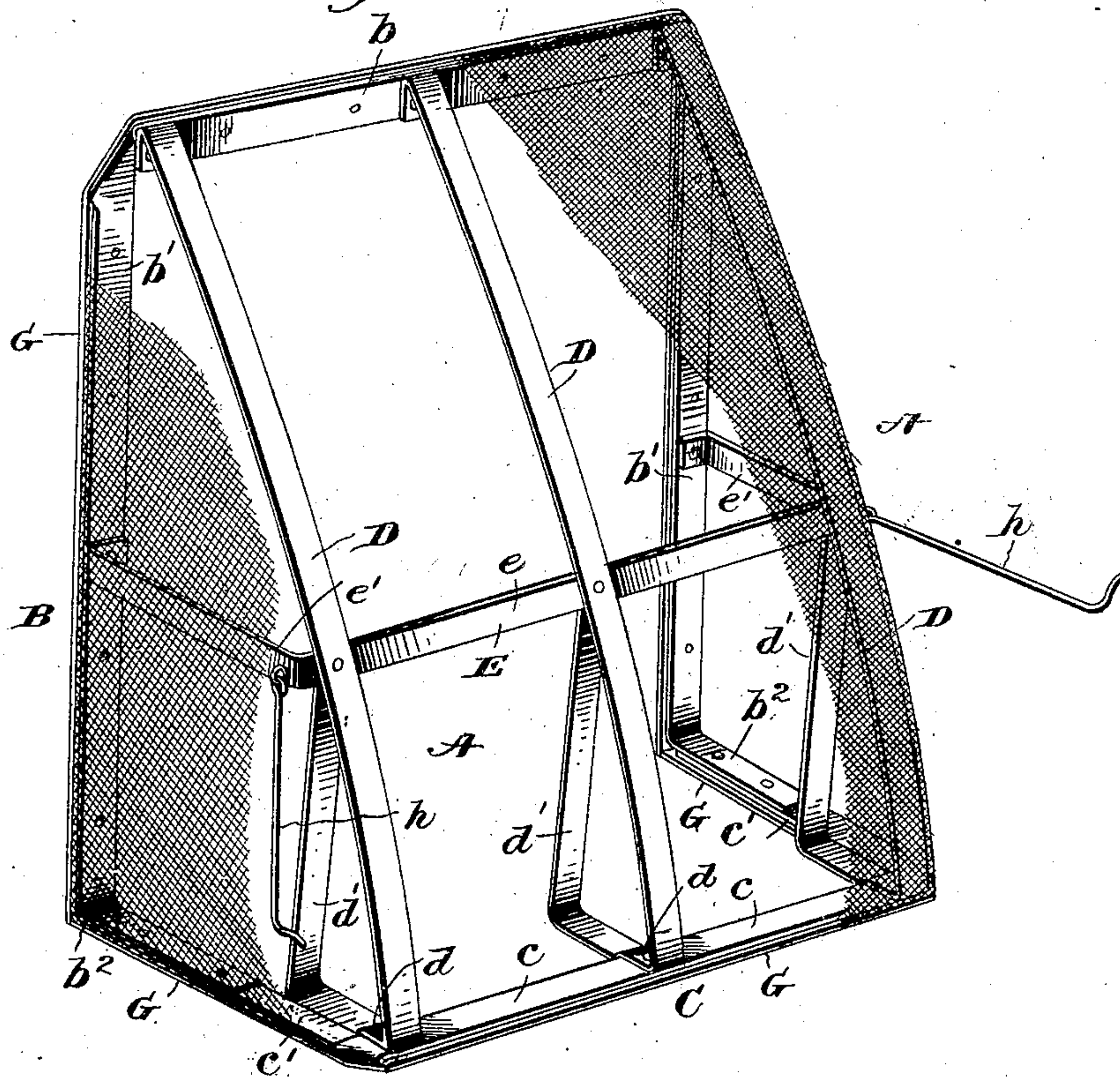
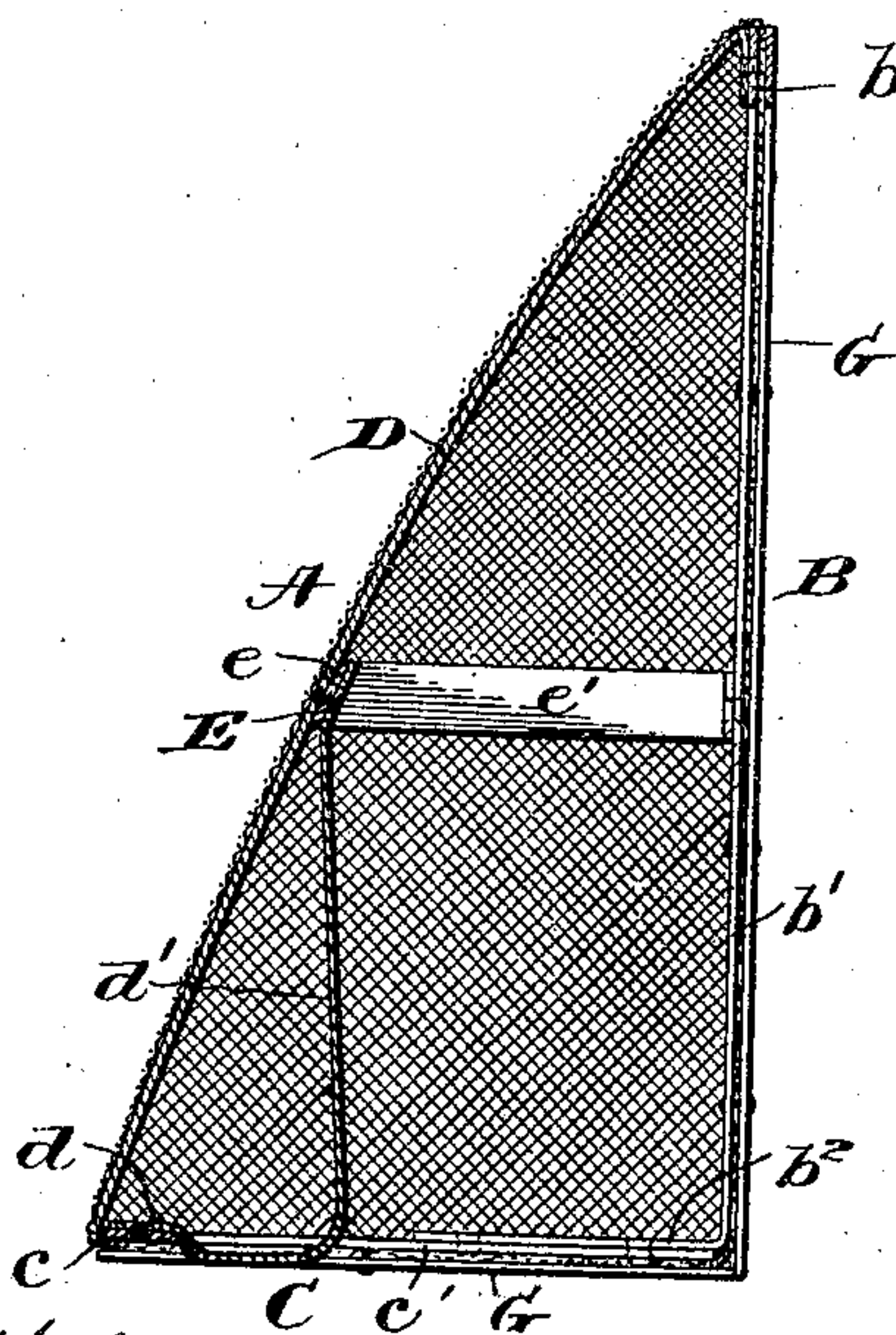


Fig. 2.



Witnesses:

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# UNITED STATES PATENT OFFICE.

SAMUEL KIPER, OF DUFF, KENTUCKY.

## FIRE-SCREEN.

No. 841,020.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed May 15, 1905. Serial No. 260,530.

*To all whom it may concern:*

Be it known that I, SAMUEL KIPER, a citizen of the United States, residing at Duff, in the county of Grayson and State of Kentucky, have invented certain new and useful Improvements in Fire-Screens, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an improvement in screens for fireplaces; and the object of the invention is the provision of a screen of this character which will effectually prevent sparks from passing from the fireplace into the room and which can be cheaply constructed.

A further object of the invention is the provision of a screen of this character which will be very light, so that the same can be readily handled and moved from place to place.

The invention, broadly stated, comprises an open skeleton frame adapted to surround the open portion of the fireplace and a screen secured to the front and sides of said frame.

In the drawings, wherein a preferable embodiment of my invention is shown, and wherein like letters of reference refer to similar parts in the several views, Figure 1 is a perspective view of my improved screen, and Fig. 2 is a longitudinal section of the same.

Referring now more particularly to the drawings, A designates the frame of my improved screen, which is preferably formed of strap-iron and which is substantially L-shaped in cross-section. The frame A comprises the back portion B and the base C. The back portion B is formed of strap-iron and consists of the central portion *b* and the downwardly-extending side portions *b'*, which are formed by folding the end portions of the strap-iron upon themselves at right angles. The extremities of the downwardly-extending portions *b'* are bent forwardly at right angles to form supports *b<sup>2</sup>* for the back portion B. The base C comprises a central portion *c* and rearwardly-extending portions *c'*, which are formed by folding the extremities of the strap-iron of which the base portion is formed upon themselves at right angles and which when the parts of the frame are assembled are adapted to underlie the portions *b<sup>2</sup>* of the back portion B and are secured thereto by rivets or other suitable fastenings. The front of the frame is formed by a plurality of braces D, which connect the

central portion *b* of the back B and the central portion *c* of the base C. Each of the braces D comprise a piece of strap-iron which has its upper end bent downwardly and riveted to the front side of the central portion *b* of the back B and which has its lower end bent rearwardly at *d* to overlie the upper side of the central portion *c* of the base C and then upwardly at *d'*, the end of said upwardly-bent portion being riveted to the under side of the body portion of the brace. The rearwardly-extending portions of the braces D serve as additional supports for the frame and also prevent said braces from sagging. The frame is completed by the laterally-extending brace E, which is formed of strap-iron and which comprises a central portion *e*, which is secured by rivets to the under side of the braces D, and rearwardly-extending side portions *e'*, which have their extremities riveted to the front faces of the downwardly-extending portions *b'* of the back B. To complete the screen, a piece of wire-screening is secured to the front and sides of the frame, the edges of said screening being folded over the rear faces of the back and base portions B and C of the frame and secured thereto by strips G of strap-iron bolted to the rear faces of said back and base portions B and C. If desired, a single piece of strap metal U-shaped in form may be used to clamp the edges of the screening to the back of the back portion B, and a similar-shaped piece for clamping the edges of the screening to the under side of the base C may be employed, or separate strips may be employed for clamping the edges of the screening to the central and side portions of the back and base. A pair of hooks *h* are secured in any suitable manner to opposite sides of the frame, which are adapted to engage eyes secured to the wall on opposite sides of the fireplace and hold the screen in position.

I do not desire to limit myself to the precise form and construction shown in the drawings, as it is obvious that many minor changes might be made therein without departing from the spirit of the invention.

What I claim, and desire to secure by Letters Patent, is—

1. In a fire-screen, an open framework comprising a U-shaped back portion, a U-shaped base portion extending from the extremities of said back portion, a plurality of longitudinally-disposed braces connecting the upper part of the back portion and the forward



part of the base, supplementary supports for the frame extending rearwardly from the front edge of the base portion, vertically-disposed braces extending upwardly from the rear ends of said supplementary supports and connected to the longitudinally-disposed braces intermediate their connection with the back and base portions of the frame, and screening covering said frame.

10 2. In a screen for fireplaces, an open frame comprising a U-shaped back portion, a U-shaped base portion extending from the extremities of said back portion, a plurality of longitudinally-disposed inclined braces connecting the upper part of the back portion and the forward part of the base portion, the lower portions of said braces being bent rearwardly to form additional supports for the frame, and terminating at their rear ends in upwardly-extending braces, the upper ends of which are secured to the longitudinally-disposed braces intermediate their connection with the back and base portions of the framework, and screening covering said framework.

25 3. In a screen for fireplaces, an open frame-

work comprising a U-shaped back portion, a U-shaped base portion extending from the extremities of said back portion, a plurality of longitudinally-disposed inclined braces connecting the upper part of the back portion and the forward part of the base portion, the lower portions of said braces being bent rearwardly to form additional supports for the frame, and terminating at their rear ends in upwardly-extending braces, the upper ends of which are secured to the longitudinally-disposed braces intermediate their connection with the back and base portions of the framework, a transversely-disposed U-shape brace member connecting said longitudinally-disposed braces intermediate the ends thereof and having its ends secured to the back portion intermediate the top and bottom thereof, and screening covering said framework.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL KIPER.

Witnesses:

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