J. OLD.

Fire-Place Fender.

No. 160,541. Patented March 9, 1875.

Fig. 1.

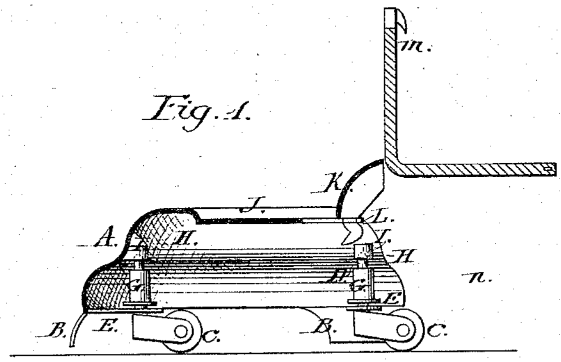


Fig. 2

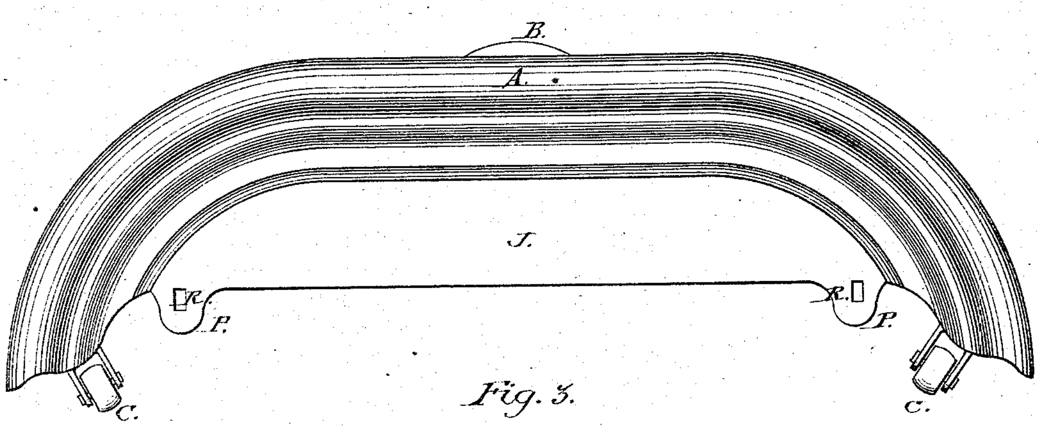


Fig. 3.

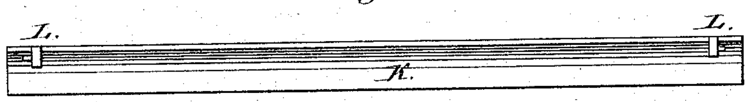


Fig. 4.

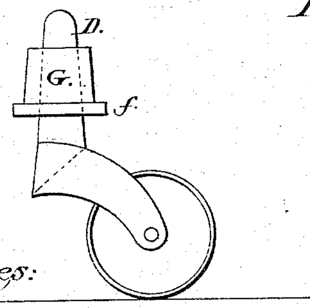
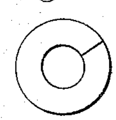


Fig. 6.

Fig. 5.



Witnesses:
Edw. W. Donn
M. Gardner.

Inventor:
James Old
By Wilton C. Donn
His atty.

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

JAMES OLD, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN FIRE-PLACE FENDERS.

Specification forming part of Letters Patent No. **160,541**, dated March 9, 1875; application filed May 2, 1873.

To all whom it may concern:

Be it known that I, JAMES OLD, of the city of Pittsburg and State of Pennsylvania, have invented certain new and useful Improvements in Fire-Place Fenders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to certain improvements in the construction and arrangements of fire-place fenders, whereby they are better adjusted upon the rollers or casters which support them, and they are provided with a device for controlling and regulating the draft of the fire, and for concealing the ash-pit under the grate from view. It consists in placing the sockets which receive the casters on the inside of the front of the fender, near the top, so that when the casters are placed in position they are concealed by the feet and front of the fender; also, in a device for securing the spindles of the casters in their sockets, so as to prevent them from falling out when the fender is lifted or moved. It further consists of a guard placed upon the front of the fender-apron, immediately before the grate, which serves as a regulator or controller for the draft, and also as a shield to hide the ash-pit.

Figure 1 is a transverse section of the fender, showing the relative positions of the guard and grate. Fig. 2 is a top view of the fender. Fig. 3 is a view of the under side of the guard. Fig. 4 is a view of the caster, showing the position of the washer. Figs. 5 and 6 are plans of the washers.

A represents the front of the fender. B are the feet, placed at the front and ends. C are the casters. I are lugs cast on the inside of the fender front, which contain the sockets H for the caster-spindles D, that turn freely therein. E are ledges projecting inwardly from the feet B, through which are holes to receive the spindles of the casters. These holes being in a direct line with the sockets in lugs I, the spindles D are held firmly by both, and kept in an upright position, though turning freely on their axes. The ledge E serves also as a bearing for the caster-jaws. G is a washer made of spring metal or rubber, placed upon the spindle D between the lower ledge E and lug I. This washer is placed upon the spindle after it is passed through the lower ledge or bearing, and it is designed to fit tightly, in order that the spindle may be kept in the socket, and the caster prevented from falling out when the fender is lifted or moved. *f* is a small metal washer placed between bearing E and upper washer G. By this arrangement of the casters they give the proper support to the fender, enable it to be moved about with ease, and are concealed from view. J is the apron of the fender, at each end of which the projections P, which support the guard, are formed, containing the holes R. K is the guard or shield, curved so as to extend from the apron to the grate *m*, as shown in Fig. 1. This guard has, at both ends, hooks L, which enter holes R. They are curved, as shown in Fig. 1, so as to give room for tilting the guard without taking it off, and thus enable the ashes and dust upon the apron to be swept into the ash-pit. The guard or shield K covers the opening between the apron of the fender and the grate *m*. It may be used to control or regulate the draft of the fire, and it also hides the ash-pit, indicated by *n* in Fig. 1.

I am aware that keys and pins are used to secure the casters in the sockets; but the holes which have to be placed in the spindles to receive them weaken the spindles—a defect which my invention is designed to obviate.

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

1. In a fire-place fender the casters C, arranged in rear of and concealed by the feet B, in combination with the lugs I and ledges or bearings E, substantially as and for the purpose hereinbefore described and set forth.

2. The washers G, in combination with the casters C and ledges or bearings E, substantially as and for the purpose hereinbefore described and set forth.

3. The guard K, in combination with the fender-apron J and grate *m*, substantially as and for the purpose hereinbefore described and set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 30th day of June, 1874.

JAMES OLD.

Witnesses:
J. LEE OLD,
H. C. OLD.