F. L. MILLER.

IRON HEATER.

APPLICATION FILED MAR. 2, 1909.

923,983. Patented June 8, 1909.

Fig 1

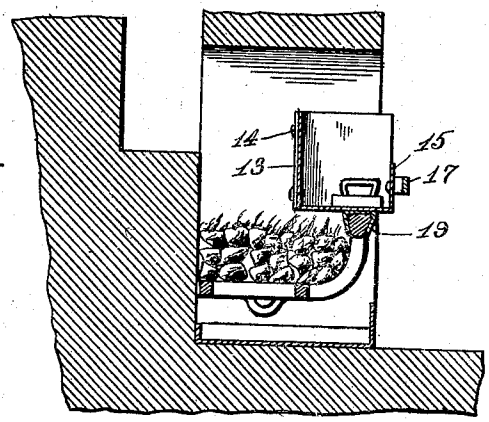


Fig 2

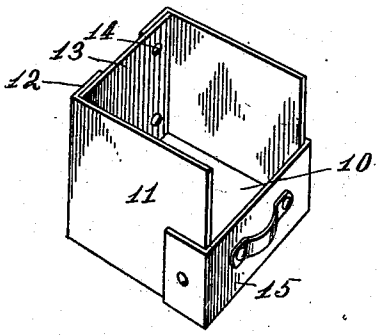
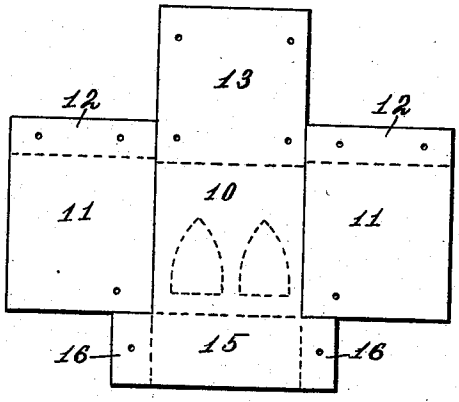


Fig 4



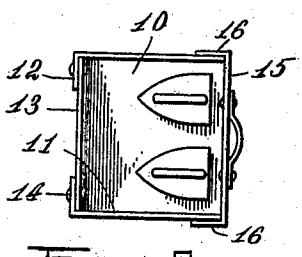


Fig 3

Witnesses

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IRON-HEATER.

No. 923,983. Specification of Letters Patent. Patented June 8, 1909.

Application filed March 2, 1909. Serial No. 480,965.

To all whom it may concern:

Be it known that I, FANNIE L. MILLER, a citizen of the United States, residing at Barnesville, in the county of Pike and State of Georgia, have invented certain new and useful Improvements in Iron-Heaters, of which the following is a specification.

My invention relates to improvements in iron heaters, and has particular relation to structures for heating sad or smoothing irons.

The principal object of my invention is to provide a structure by means of which one or more sad or smoothing irons may be supported over the coals of an open grate without liability of becoming smoked or smutted; in which the irons serve to aid in retaining the heater in position on the grate, and in which the shape, structure and location of the heater will aid to radiate the heat from the open grate.

Further objects of the invention are to provide a device of this character which is inexpensive in cost of manufacture, durable in construction and simple and efficient in operation.

To these and other ends, the nature of which will be understood as the invention is hereinafter disclosed, my invention consists in the improved construction and combination of parts hereinafter fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims.

In the accompanying drawings, in which similar reference characters indicate similar parts in the several views, Figure 1 is a vertical cross-section taken through an open grate, showing my improved heater in position thereon, the heater being also shown in section. Fig. 2 is a perspective view of the heater. Fig. 3 is a top plan view. Fig. 4 is a detail view showing the blank from which the heater is formed.

The heater herein disclosed is preferably formed from sheet steel, the form of blank prior to its being bent up into shape being shown in Fig. 4. As shown in said figure, the blank comprises a body portion 10 forming the bottom of the heater, and having end portions 11, adapted to be bent up to form the sides of the heater, each of the ends 11 having at one edge a projecting strip 12.

13 designates a portion projecting from the rear of the portion 10, and which forms the back or rear of the heater, said portion 13 being secured in position by the strips 12 of the ends 11, said strip extending on the rear side of the portion 13 when the latter is in its proper position, the portion 13 and the strips 12 being secured together in any suitable manner, as by rivets 14. On the opposite side of the blank 10 from the portion 13 is a strip 15 having end strips 16, the portion 15 being adapted to form the front of the heater, being bent up and secured in position by overlapping of the end strips 16 and the ends 11, as shown in Fig. 2. When the blank is folded up in the manner indicated there is formed a chamber open at its top and having its front wall of less height than the remaining walls, the bottom of the chamber being adapted to receive and retain in position the sad or smoothing irons which may be placed therein, the relatively open front produced by the front wall being of less height, permits the heat from the walls of the heater to be radiated out and not confined within the chamber, the radiation being mainly in the direction of the open front.

The heater is completed by a suitable handle 17 secured to the front 15, and by a suitable angularly-bent strip 19, which is adapted to be passed over the top bar or rim of an open grate; the strip supporting member 19 is secured to the bottom approximate the front of the heater in order that there may be provided a projecting portion of the heater positioned directly above the coals of the fire. When in this position, and with the irons located therein at a point where their weight will to a considerable extent be located over the top bar, the bottom of the heater will receive the full effect of the heat from the coals, while at the same time the rear portion 13 and the greater portion of the ends 11 will be subjected to the heat which passes upwardly on the outside of these parts to the chimney, thereby causing these parts to become heat distributing portions which not only serve to heat the irons, but at the same time, by reason of the height of the front, permits of a distribution of the heat from these parts into the room where the fire is located.

In placing the heater in use, the irons may be positioned within the heater before or after the latter is placed on the bar or rim of the grate, the strip or supporting member 19 being of a form to clamp the bar to an extent sufficient to withstand the weight of the heater tending to upset the device on the bars. By positioning the irons so as to extend partially over the bar or rim, there is

substantially no liability of the weight of the irons tending to cause such upsetting movement of the heater.

Having thus described my invention what I claim as new is:

1. A sad or smoothing iron heater comprising a blank bent to form a bottom, front, back and end walls, said end walls overlapping the back wall, and said front wall overlapping the end walls, said front wall being of less height than the remaining walls, and means for removably securing the heater to the top bar or rim of an open grate.

2. A sad or smoothing iron heater comprising a blank bent to form a bottom, front, back and end walls, said end walls overlapping the back wall, and said front wall overlapping the end walls, said front wall being of less height than the remaining walls, and a clamping member carried by the bottom of the heater for removably securing the heater to the top bar or rim of an open grate.

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

FANNIE L. MILLER.

Witnesses:

F. G. SIMS,

J. A. MCCRARY.