

UNITED STATES PATENT OFFICE.

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GAS-HEATING SAD-IRON.

1,021,027.

Specification of Letters Patent. Patented Mar. 26, 1912.

Application filed April 27, 1911. Serial No. 623,621.

To all whom it may concern:

Be it known that I, LOUIS WENTES, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Gas-Heating Sad-Irons, of which the following is a specification.

My invention relates to improvements in gas heating sad irons, the object of the invention being to provide an improved construction of iron with an improved arrangement and location of gas supply pipe, whereby the maximum of heat from the burned gas and air which is supplied through an ordinary Bunsen burner is imparted to the bottom plate of the iron, said bottom plate being preferably of a metal which may be quickly heated and kept hot.

A further object is to provide improved means which permit the iron to be supported in an upright position obviating the necessity for the use of an iron holder.

A further object is to provide an improved iron of this character which is of extremely simple construction, neat and attractive in appearance, and which is capable of a wide range of utility.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1, is a view in side elevation illustrating my improvements in normal position. Fig. 2, is a similar view showing the iron supported in a vertical position while not in use. Fig. 3, is a view in cross section on the line 3—3 of Fig. 1, and Fig. 4, is a view in longitudinal section on the line 4—4 of Fig. 3.

1, represents the hollow body of the iron, 2 the bottom of the iron, which is preferably of brass or other material quickly heated, and said bottom is secured to the body by means of rivets 3. The body 1 is provided all around its lower edge with relatively small openings 4, and at its top with relatively large openings 5, which permit a free circulation of air through the iron.

Inside the iron, body 1 is provided at opposite sides with parallel longitudinal flanges 6, which extend almost to the center of the iron, and which are connected at the longitudinal center of the iron by means of

a bridge bar 7, having an opening 9 therein, through which a screw 8 extends, and serves to lock a top plate 10 onto the iron. The lower end of this screw screws into a gas pipe 11, which lies mainly below the flange 6, and is provided at its lower side throughout its length with a series of burner orifices to direct the flame against the bottom 2.

A jam nut 12 is located on screw 8 to lock it against accidental movement. This gas pipe 11 extends through the rear end of the body 1, and projects at an angle to the body, where it is provided with an ordinary air entrance cone 13, and a valve 14, together with an extension 15 for the attachment of a hose 16 to connect the pipe with the source of gas supply. It will therefore be noted that air commingles with the gas, so that a Bunsen burner is formed, and a blue flame is directed downwardly by pipe 11 against the bottom 2. The forward end of body 1 is cut at an angle as shown at 17 against which a casting 18 is secured by means of a screw 19, and this casting 18 registers with a casting 20 on top 10 to form an ornamental design, in this instance said design representing a lion's head, but this invention is not limited to the particular design.

To the rear end of body 1, an upright bar 21 is secured by bolts 22, and nuts 23, and at the upper end of this bar 21, a handle 24 preferably of wood is secured by means of a long bolt 25, which extends through bar 21, through the hollow handle 24, and is secured by means of a nut 26. A supporting arm 27 is made integral with bar 21, and projects at an angle thereto as clearly shown. The purpose of this arm 27 is to cooperate with bar 21, and support the iron in an upright position, such as shown in Fig. 2, so that the iron may be thus positioned without any danger of scorching the goods or the ironing board cover, and dispensing altogether with the necessity for the employment of an iron holder. In other words, this arm 27 acts as an iron holder to support the iron in a position so as not to burn the padding on the ironing board, and at the same time does not interfere with the heating of bottom 2.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and altera-

tions as fairly fall within the spirit and scope of the appended claims.

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

5 1. A gas heating sad iron comprising a hollow body, a bottom on said body, a top on said body, longitudinally extending opposed flanges integral with the body, and
10 located approximately midway the top and bottom of the body, a bridge piece connecting said flanges, a gas pipe extending longitudinally of the body and located between
15 said flanges, means securing said pipe to the bridge piece, and said pipe having burner orifices in its lower face, substantially as described.

20 2. A gas heating sad iron comprising a hollow body, a bottom on said body, a top on said body, longitudinally extending opposed flanges integral with the body and located approximately midway the top and
25 bottom of the body, a bridge piece connecting said flanges, a gas pipe extending longitudinally of the body and located between said flanges, a screw passing through the

bridge piece and holding the pipe in place, and said pipe having burner orifices in its lower face, substantially as described.

3. A gas heating sad iron comprising a
30 hollow body, a bottom on said body, a top plate on said body, longitudinally extending opposed flanges integral with the body and located approximately midway the top and
35 bottom of the body, a gas pipe extending longitudinally of the body and located between said flanges, said pipe having burner orifices in its lower face, said body having
40 openings at its upper and lower edges, a screw connecting said top plate and gas pipe, an integral bridge piece connecting said flanges and having an opening through
45 which said screw projects, and a jam nut on said screw against said bridge piece, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LOUIS WENTES.

Witnesses:

R. H. KRENKEL,
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."