

F. M. VOGEL.
 FLAT IRON STAND.
 APPLICATION FILED NOV. 25, 1905.

1,025,493.

Patented May 7, 1912.

Fig. 1.

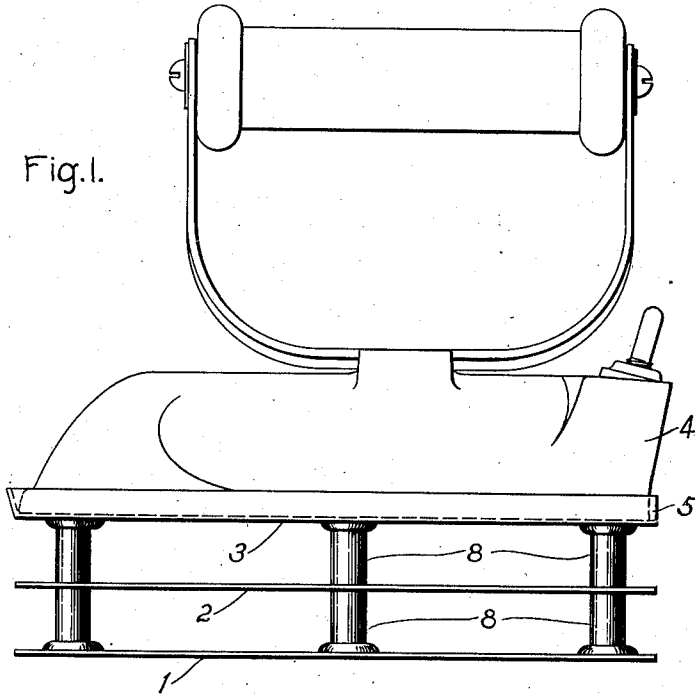


Fig. 2.

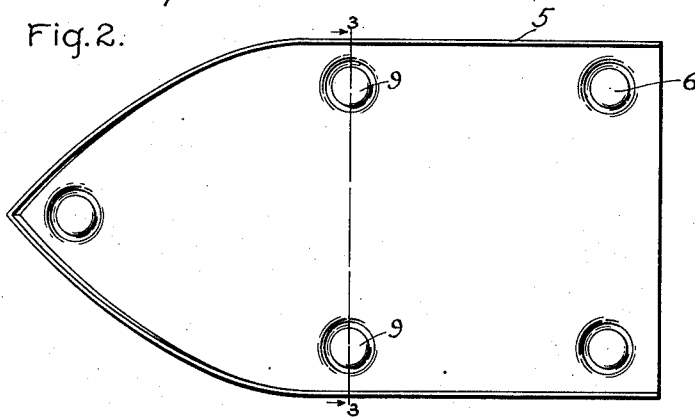
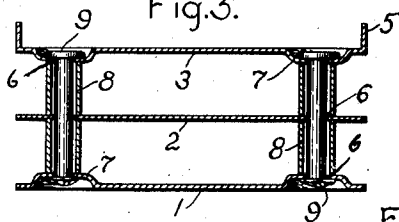


Fig. 3.



Witnesses:

Irving E. Steers
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Inventor,

Frederick M. Vogel.
 by *Allen B. Davis*
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UNITED STATES PATENT OFFICE.

FREDERICK M. VOGEL, OF LYNN, MASSACHUSETTS, ASSIGNOR TO GENERAL ELECTRIC COMPANY, A CORPORATION OF NEW YORK.

FLAT-IRON STAND.

1,025,493.

Specification of Letters Patent.

Patented May 7, 1912.

Application filed November 25, 1905. Serial No. 289,026.

To all whom it may concern:

Be it known that I, FREDERICK M. VOGEL, a citizen of the United States, residing at Lynn, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Flat-Iron Stands, of which the following is a specification.

This invention relates to devices for supporting flat-irons or the like when not in use and has for its object the provision of a device of this character which will radiate the heat imparted thereto and prevent conduction of the heat to the surface upon which it rests in an efficient manner, and which at the same time will withstand rough usage, is strong, cheap and durable.

One of the principal objects of my invention is to prevent the heat of the flat-iron from being transmitted to the surface upon which the support or stand rests and to provide means whereby the heat is quickly radiated.

In carrying out my invention, I provide a supporting plate which is in contact with the heated surface, a base plate, and an intermediate plate which acts as a baffle-plate and a heat radiator. These plates are rigidly held at a suitable distance apart by means of hollow spacers and rivets passing there-through, so that the latter, which have considerable conducting power, do not come in contact with either the heated surface of the iron or the surface upon which the support is placed. The rivets, moreover, have no contact with the outer plates excepting a narrow engaging surface around the heads and do not contact with the spacers.

My invention, therefore, consists in the features of construction and the arrangement and combination of elements herein-after set forth and particularly pointed out in the claims annexed to and forming a part of this application.

In the drawing, Figure 1 is an elevation of a device embodying my invention; Fig. 2 is a plan view of the same; and Fig. 3 is a section on the line 3—3 looking in the direction of the arrows.

Referring to the drawing, it will be seen that my flat-iron stand comprises three plates 1, 2 and 3, having substantially the same shape or contour as the heated surface of the flat-iron 4. The plate 3 has a flange

5 surrounding the same in the usual manner so as to prevent the iron from sliding off. The plates 1 and 3 are perforated at 6 and the metal around the perforations depressed, as shown at 7. The plate 2 has perforations coinciding with those of the plates 1 and 3, but there is no depression. These plates may be of any suitable material, preferably of sheet iron which may be galvanized, and the flange and depressions may be formed in a punch-press. The plates are separated from each other by means of the spacers 8, forming legs which are hollow, the bore being preferably larger in diameter than that of the perforations 6. These spacers may be sections of metal tubes or pipes, preferably galvanized, although the particular material forms no part of my invention. Bolts or rivets 9 pass through but do not contact these spacers and have their heads in engagement with the depressed portions of the plates 1 and 3. The heads are thus countersunk from the surfaces of the upper and lower plates so that they will not contact with either the flat-iron on one side or the supporting surface on the other. The fastenings 9 when tightened and the spacers 8 which rest upon the plates and surround the rivets secure the plates into a rigid structure, the intermediate plate 2 acting as a baffle-plate and radiating surface to prevent the transmission of heat to the plate 1. As above stated, all parts may be of sheet metal preferably galvanized and will therefore be exceedingly cheap and durable.

While I have shown my device in connection with an electric flat-iron it should be understood that I do not limit my invention to this particular application, nor do I limit the invention to the specific arrangement or construction shown except as it is limited by the scope of the claims annexed to and forming a part of this application.

What I claim as new and desire to secure by Letters Patent of the United States, is,

1. A flat-iron stand comprising upper and lower plates, hollow spacers between said plates, and retaining means extending through but separated from said spacers and countersunk from said plates for securing the plates and spacers into a rigid structure.

2. A flat-iron stand comprising a base-plate, a supporting plate, hollow spacers be-

tween said plates, rivets extending through said spacers and engaging said plates to secure the same into a rigid structure, said rivets and spacers being entirely below the surfaces of said plates.

3. A flat-iron stand comprising an upper plate, a lower plate and an intermediate plate, spacers between said plates and fastenings arranged to secure said plates and spacers into a rigid structure, said fastenings being depressed below the surface of said upper and lower plates.

4. A flat-iron stand comprising a base-plate, a supporting plate and an intermediate plate, spaces between said plates, rivets arranged to secure said plates and spacers into a rigid structure, the ends of said rivets being depressed below the sur-

faces of the outer plates, and the shanks of the rivets being separated from the spacers.

5. A flat-iron stand comprising a base-plate, a supporting plate and an intermediate plate, hollow spacers between said plates, rivets passing through said spacers and arranged to secure said plates and spacers into a rigid structure, said rivets being countersunk below the surface of said upper and lower plates and out of contact with said spacers.

In witness whereof, I have hereunto set my hand this twenty-third day of November, 1905.

FREDERICK M. VOGEL.

Witnesses:

JOHN A. McMANUS, Jr.,
HENRY O. WESTENDARF.