

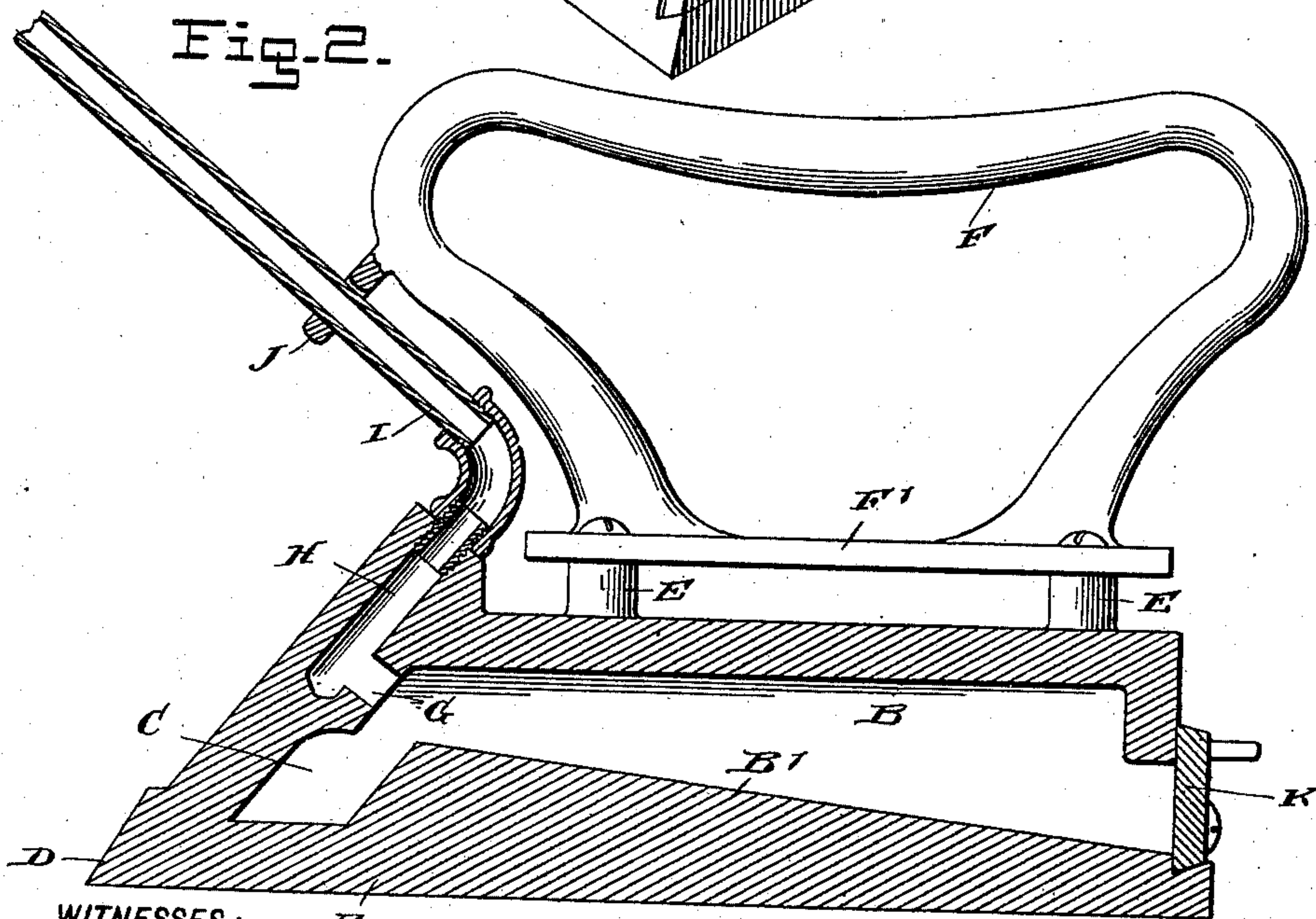
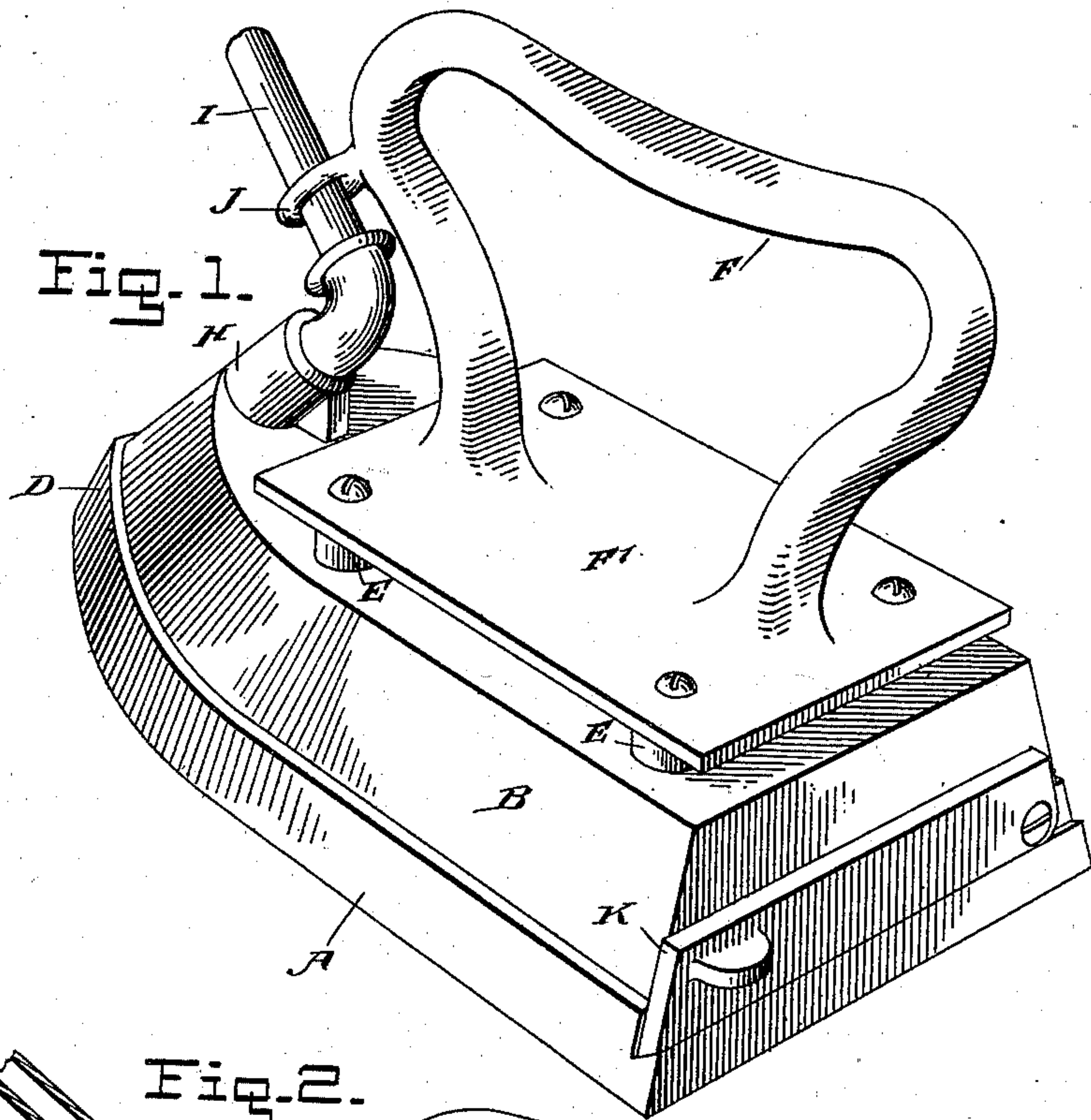
No. 683,293.

Patented Sept. 24, 1901.

K. A. KAISER.
SAQ IRON.

(Application filed Dec. 13, 1900.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT - OFFICE.

KARL ANTON KAISER, OF LONG ISLAND CITY, NEW YORK.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 683,293, dated September 24, 1901.

Application filed December 13, 1900. Serial No. 39,623. (No model.)

To all whom it may concern:

Be it known that I, KARL ANTON KAISER, a citizen of the United States, and a resident of the city of New York, (Long Island City, borough of Queens,) in the county of Queens and State of New York, have invented a new and Improved Sad-Iron, of which the following is a full, clear, and exact description.

The invention relates to gas-heated sad-irons; and its object is to provide a new and improved sad-iron which is simple and durable in construction, arranged to insure a uniform heating of the base of the sad-iron, and to prevent overheating of the point of the iron.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the views.

Figure 1 is a perspective view of the improvement, and Fig. 2 is a longitudinal sectional elevation of the same.

The improved sad-iron has a base A, over which is arranged a heating-chamber B, having the major portion of its bottom B' rising from the base A, said major portion being inclined downwardly and rearwardly, as is plainly indicated in Fig. 2, said major portion B' forming, with the front of the said iron, a space C to prevent overheating of the point D, as hereinafter more fully described. On the horizontal top of the heating-chamber B are arranged lugs E, to which is secured by set-screws or other means the base F' of the handle F, adapted to be taken hold of by the operator to move the sad-iron about to iron in the usual manner.

In front of the heating-chamber B opens the burner G, discharging its flame upon the high portion of the bottom B', and this burner G connects with a channel H, extending at a right angle to the burner G in the front end of the sad-iron. A pipe I connects with the upper end of the channel H, and this pipe extends through an eye J on the handle F, and the pipe I connects by a flexible hose with a suitable gas-supply and permits the

operator to move the sad-iron about to iron the desired material in the usual manner. A door K closes the rear end of the heating-chamber B, as indicated in the drawings.

By the arrangement described it will be seen that when the sad-iron is in use and the gas is ignited at the burner G then the flame issuing from the burner strikes the high portion of the bottom B' and is then deflected into the rear enlarged portion of the chamber B to insure a uniform heating of the entire base A to permit proper ironing. It will also be seen that by the arrangement described the space C between the point D and the high portion of the bottom B' prevents overheating of the point, and consequently the material to be ironed is not liable to be damaged.

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

1. A sad-iron having a base with a point, a heating-chamber over said base and having the major portion of its bottom rising from said base, said major portion being inclined downwardly and rearwardly and terminating at its front end a distance from the front of the chamber, to form a space and thereby prevent overheating of said point, the bottom of said space being below the bottom of the heating-chamber, as set forth.

2. A sad-iron having a base with a point, a heating-chamber over said base and having the major portion of its bottom rising from said base, said major portion being inclined downwardly and rearwardly and terminating at its front end a distance from the front of the chamber, to form a space and thereby prevent overheating of said point, and a gas-burner in the front end of said chamber and arranged to deliver its flame to the upper portion of said bottom in a direction away from said space, as set forth.

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

KARL ANTON KAISER.

Witnesses:

ALEX. C. MUELLER,
JOHN POSCH.