(No Model.)

2 Sheets—Sheet 1.

J. N. PEDDER.

LAUNDRY IRON.

No. 277,605

Patented May 15, 1883.

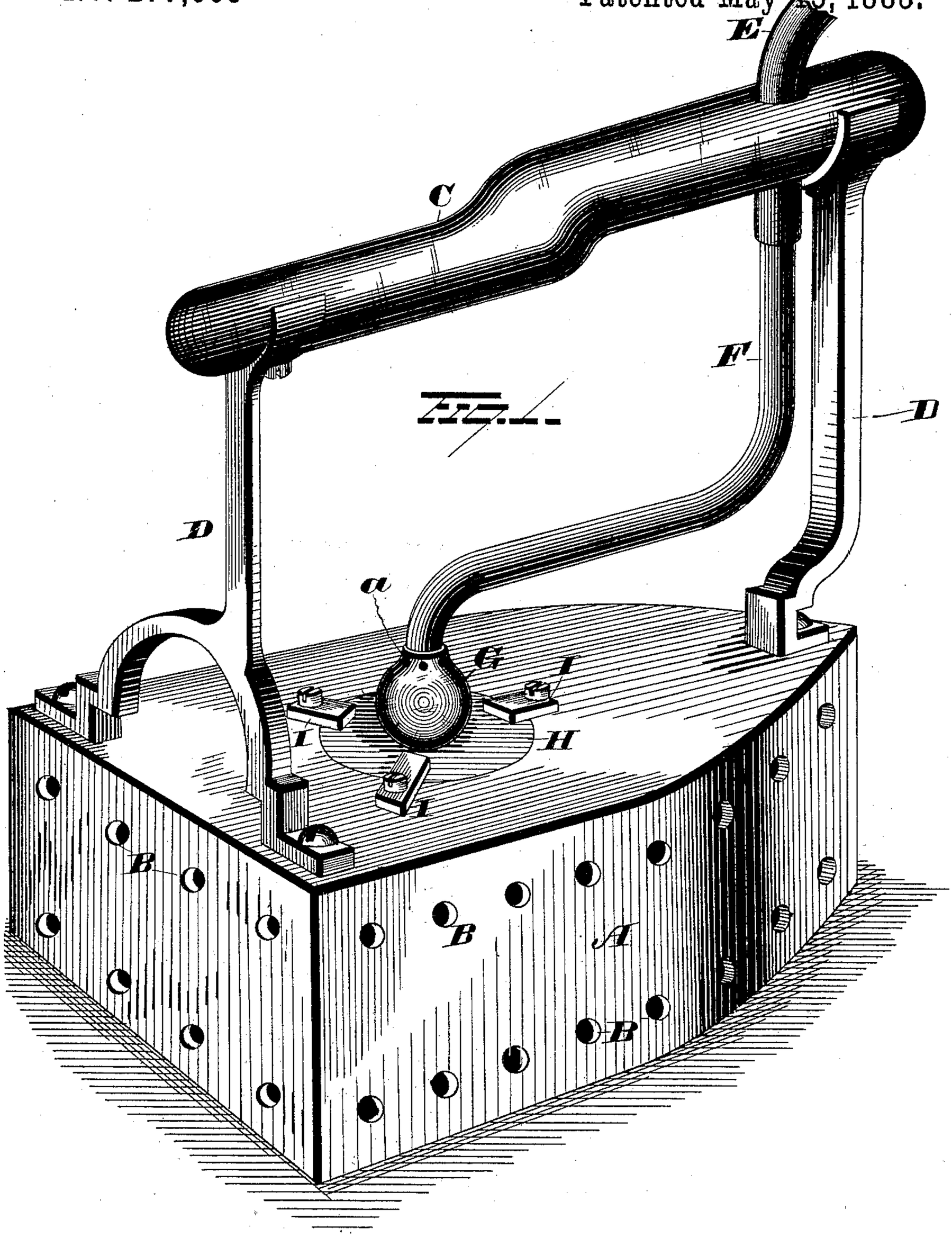

FIG. 1.

WITNESSES

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(No Model.)

2 Sheets—Sheet 2.

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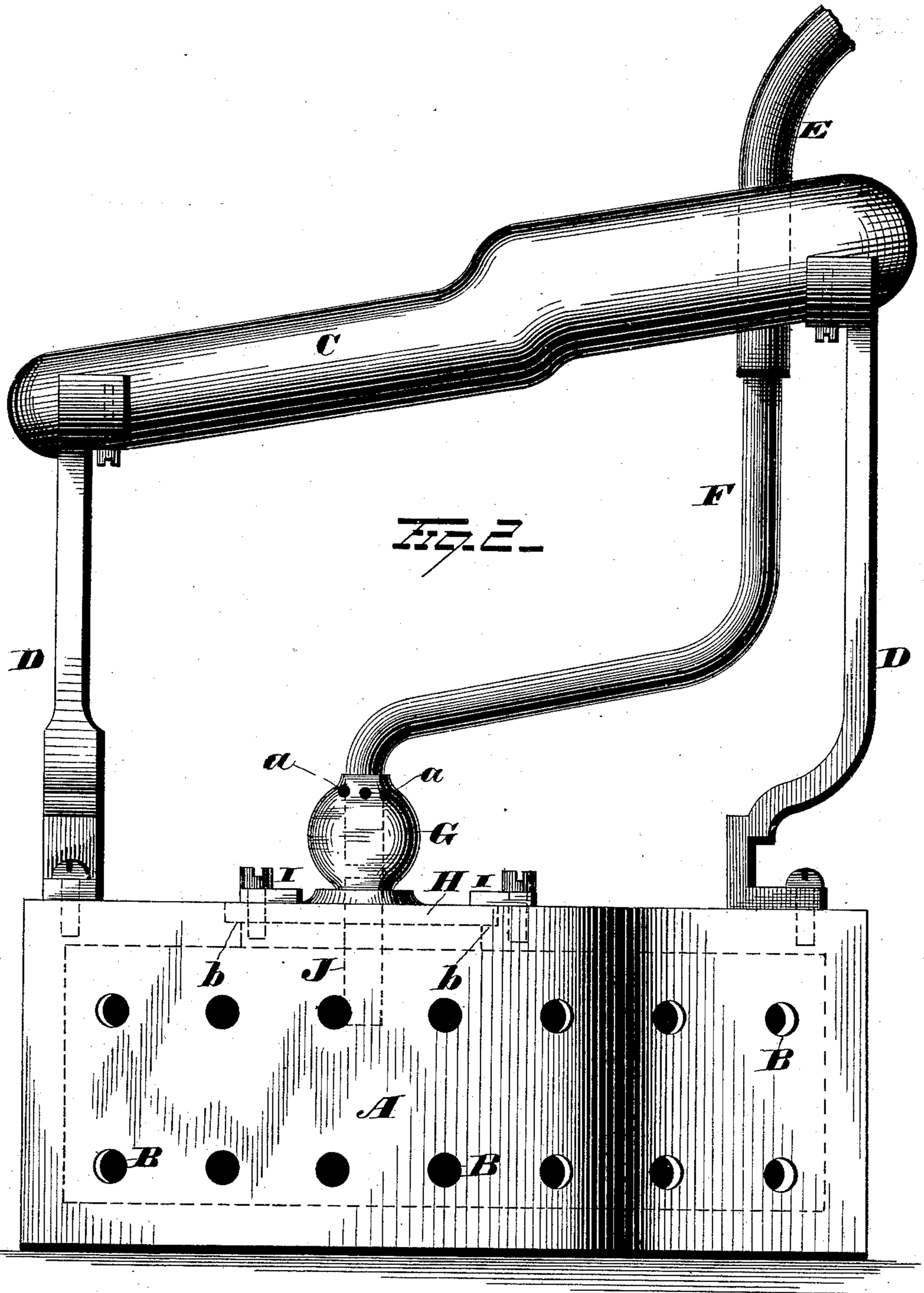

WITNESSES

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UNITED STATES PATENT OFFICE.

JAMES N. PEDDER, OF GALVESTON, TEXAS.

LAUNDRY-IRON.

SPECIFICATION forming part of Letters Patent No. 277,605, dated May 15, 1883.

Application filed October 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES N. PEDDER, of Galveston, in the county of Galveston and State of Texas, have invented certain new and useful Improvements in Laundry-Irons; 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.

My invention relates to an improvement in laundry-irons and the manner of heating the same, the object being to provide a device that will combine simplicity and economy in construction with durability and efficiency in use; and, with these ends in view, my invention consists in certain details in construction and combinations of parts, as will be hereinafter more fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved device; and Fig. 2, a side view of the same, showing some of the parts in dotted lines.

A represents the hollow laundry-iron of the ordinary shape, provided with perforations B for the admission of air and for the escape of the products of combustion; C, the handle or hand-rest, and D the pillars connecting the said hand-rest to the iron.

E is an elastic supply-pipe of any suitable size and length, which is adapted to be secured at one end to a gas-burner, or to a reservoir supplying any suitable gas, and passes downward through the hand-rest D, as shown in the drawings, and is connected at its other end to the upper end of the feed-pipe F. This feed-pipe F is made of any suitable metal, and can be interiorly lined or not, as desired, and is curved, as shown in the drawings, and terminates in the intermingling chamber or bulb G, to which latter it is rigidly secured in any desired manner. The lower end of the feed-pipe F can be open, so as to discharge the gas freely; or it can be perforated, so as to limit the amount of gas burned. The chamber or bulb G is shaped as shown, and is provided near its upper or superior surface with suitable perforations, *a*, for the admission of air thereto, and as the feed-pipe terminates in this bulb the air and gas become intimately mixed and pass from thence down into the interior of the iron, where it is lighted. The chamber or bulb G is formed integral with the removable lid H, or separate therefrom and secured thereto in any ordinary manner; and the removable lid rests on the flanges *b*, and is held in position thereon by the movable metal studs I, which latter are pivotally secured to the top face of the iron. By connecting the bulb G and pipes F and J with the large removable lid H the parts may be readily removed, and a large opening in the top of the iron insured for removing from the interior of the iron any unconsumed products of combustion that may accumulate therein. Again, this construction is economical in manufacture, as it enables a tight joint to be secured without screw-threading the opening in the top of the iron or the neck of the bulb. After the air and gas are brought together in the bulb or chamber, they are conveyed by the short tube J down into the interior of the iron. This tube J is either connected to or penetrates the lid H, and the upper end thereof terminates slightly below the lower end of the feed-pipe F, while the lower end thereof extends well down into the interior of the iron, and which itself is used as a gas-burner, or in combination with a gas-burner.

The hand-rest or handle C is made of any suitable non-conducting material flattened at the part where the hand rests, and having a hole or eye through it, near or at the front end thereof, for the passage of the supply-tube A, and is supported on the pillars D, to which it is secured by screws or otherwise.

The body A of the laundry-iron is made of any suitable metal, or, if desired, can be made of asbestus, and the sides, top, bottom, and end can be made of one piece or separate pieces, as desired, and is provided, as shown, with the holes or openings B, which latter are for the purpose of ventilating the same. These apertures B can be either cast or drilled in the body of the laundry-iron, and are of any desired size and number, as may be desirable for the more perfect combustion of the gases employed for the purpose of heating the body of the iron.

The manner of operating my improved laundry-iron is as follows: The different parts being in position, as shown in the drawings, the tube E is attached to the gas-pipe in any suit-

able manner. The gas is turned on and passed through the pipes E and F into the chamber G, where it is mixed with a suitable proportion of air, and from thence the combined gas passes into the interior of the iron. A light is then applied through one of the ventilating-apertures, which ignites the gas in the iron and causes the same to become speedily heated, and when ready for use the hand-rest D is grasped by the operator and passed over the article to be ironed in the ordinary manner. The intensity of the heat may be regulated by increasing or diminishing the supply of gas to the body of the iron by simply turning the stop-cock attached to the gas-bracket or a stop-cock secured in the pipe F.

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

1. The combination, with a hollow laundry-iron and hand-rest secured thereto, of the cap H, removably secured to the top of the iron, said cap being provided with the perforated commingling chamber or bulb G, and the gas-supply pipe F, the latter extending into the bulb to a point below the perforations formed therein, substantially as set forth.

2. The combination, with a hollow laundry-iron and hand-rest secured thereto, of the cap H, provided with the perforated commingling chamber or bulb G, the gas-pipe F, extending into the bulb to a point below the perforations formed therein, and the studs I, for removably securing the cap to the top of the iron, substantially as set forth.

3. The combination, with a hollow laundry-iron and a hand-rest secured thereto, of the cap H, removably secured to the top of the iron, said cap being provided with a perforated commingling bulb or chamber, G, the gas-supply pipe F, extending into the bulb to a point below the perforations formed therein, and the burner J, extending from the lower portion of the bulb into the hollow iron, substantially as set forth.

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

JAMES NAGLE PEDDER.

Witnesses:
H. M. TRUEHEART,
LUCIAN MINOT.