

J. FEWKES.

Sad-Iron Heater.

No. 131,672.

Patented Sep. 24, 1872.

Fig. 1.

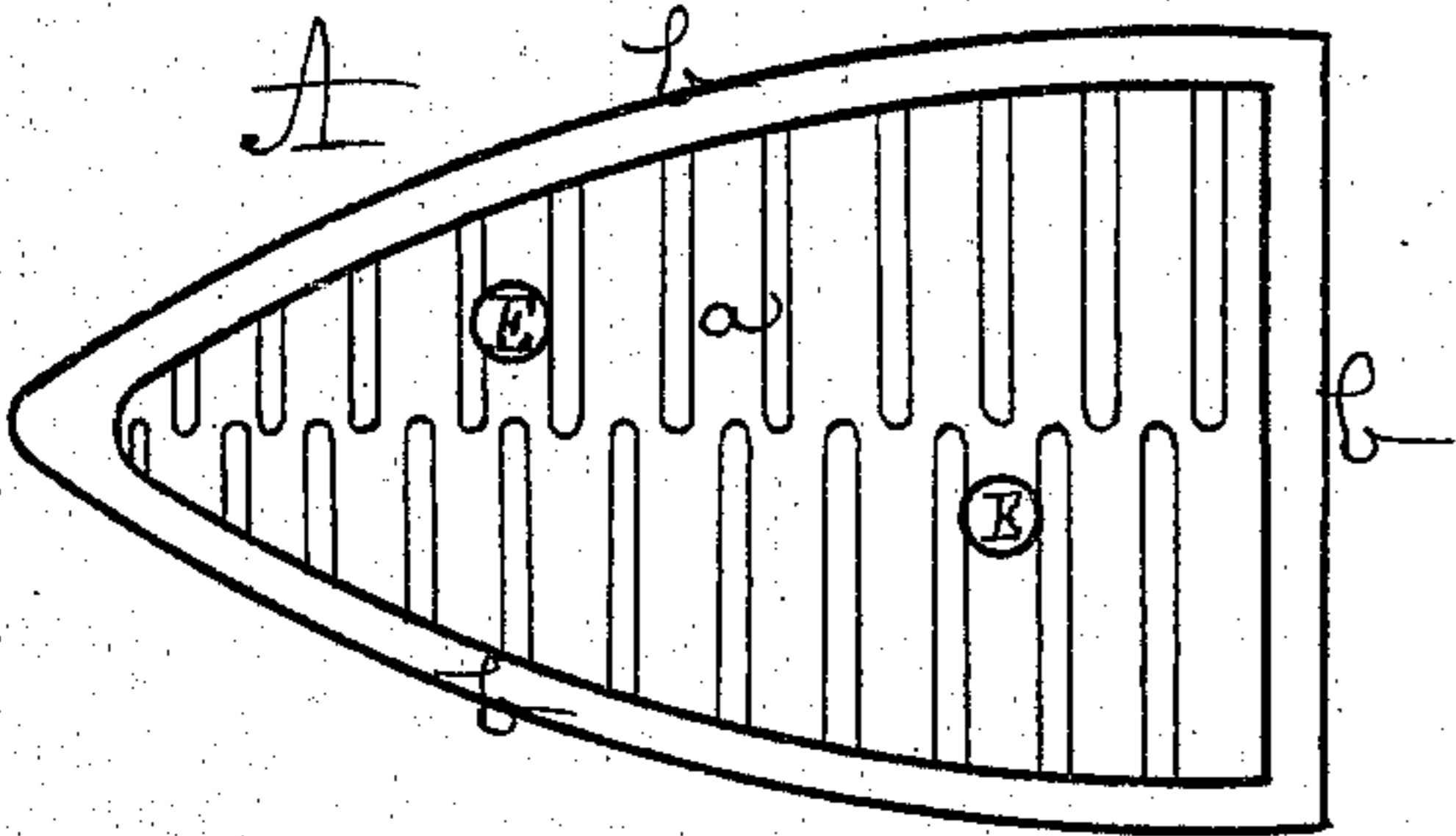


Fig. 2.

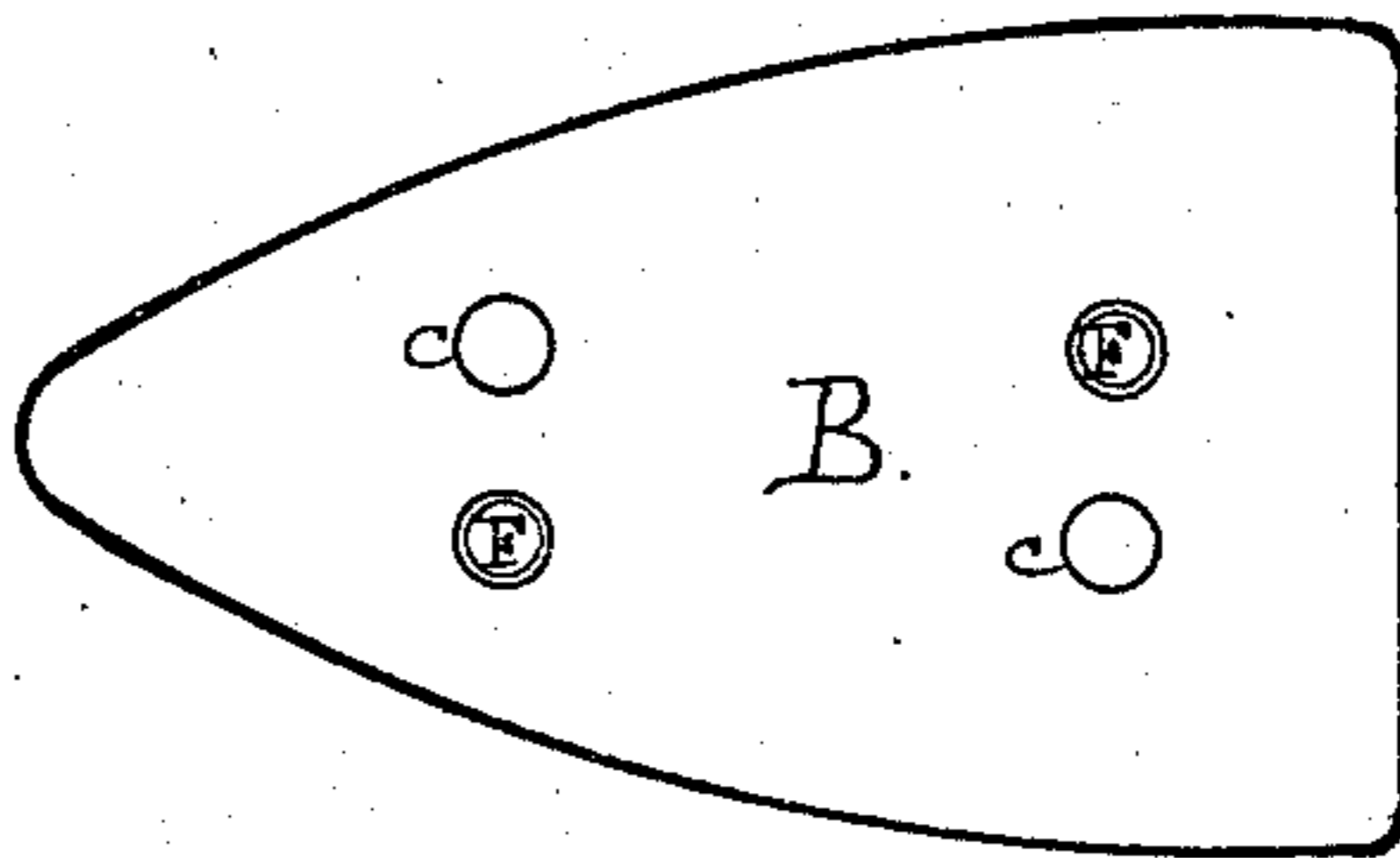


Fig. 3.

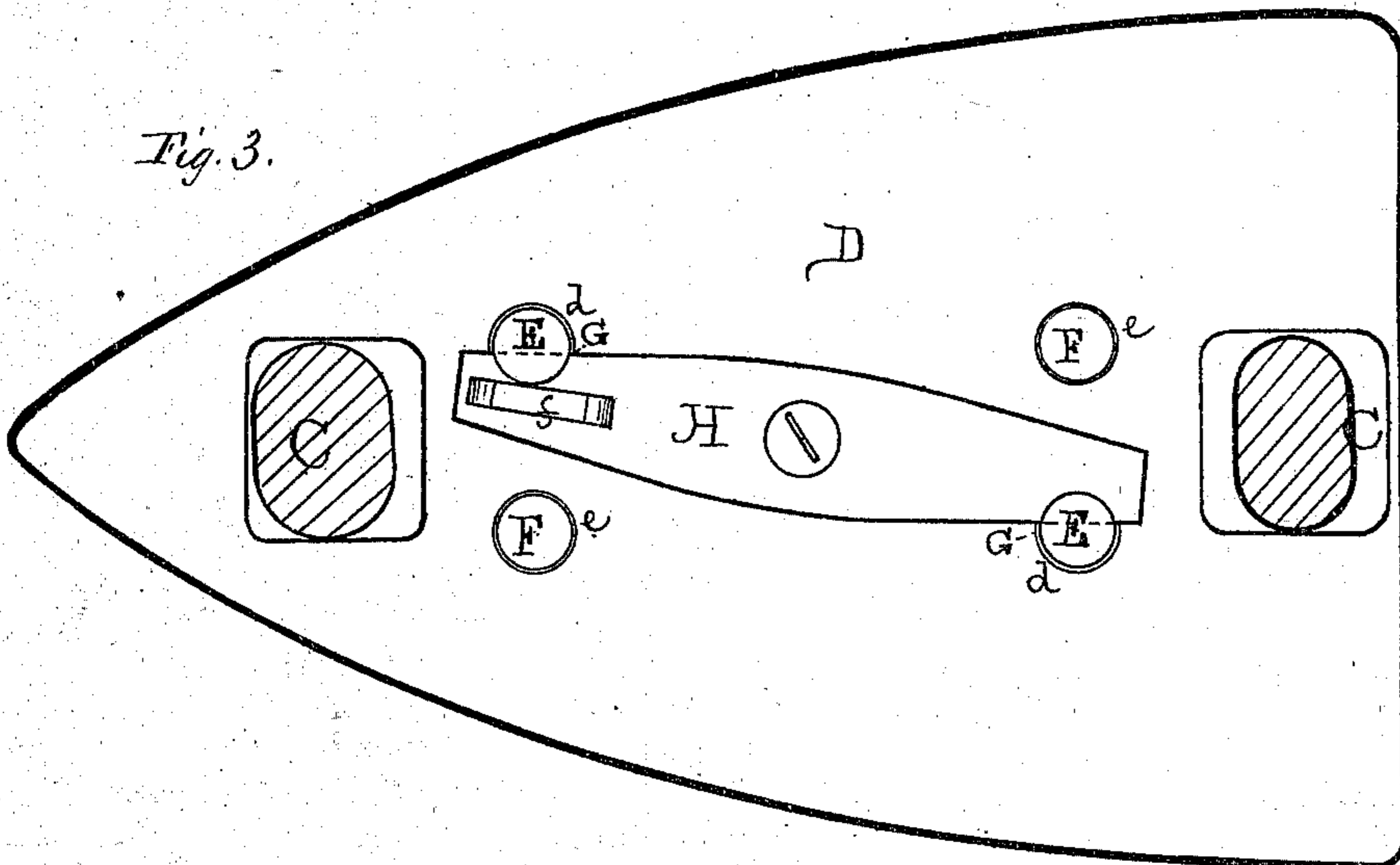
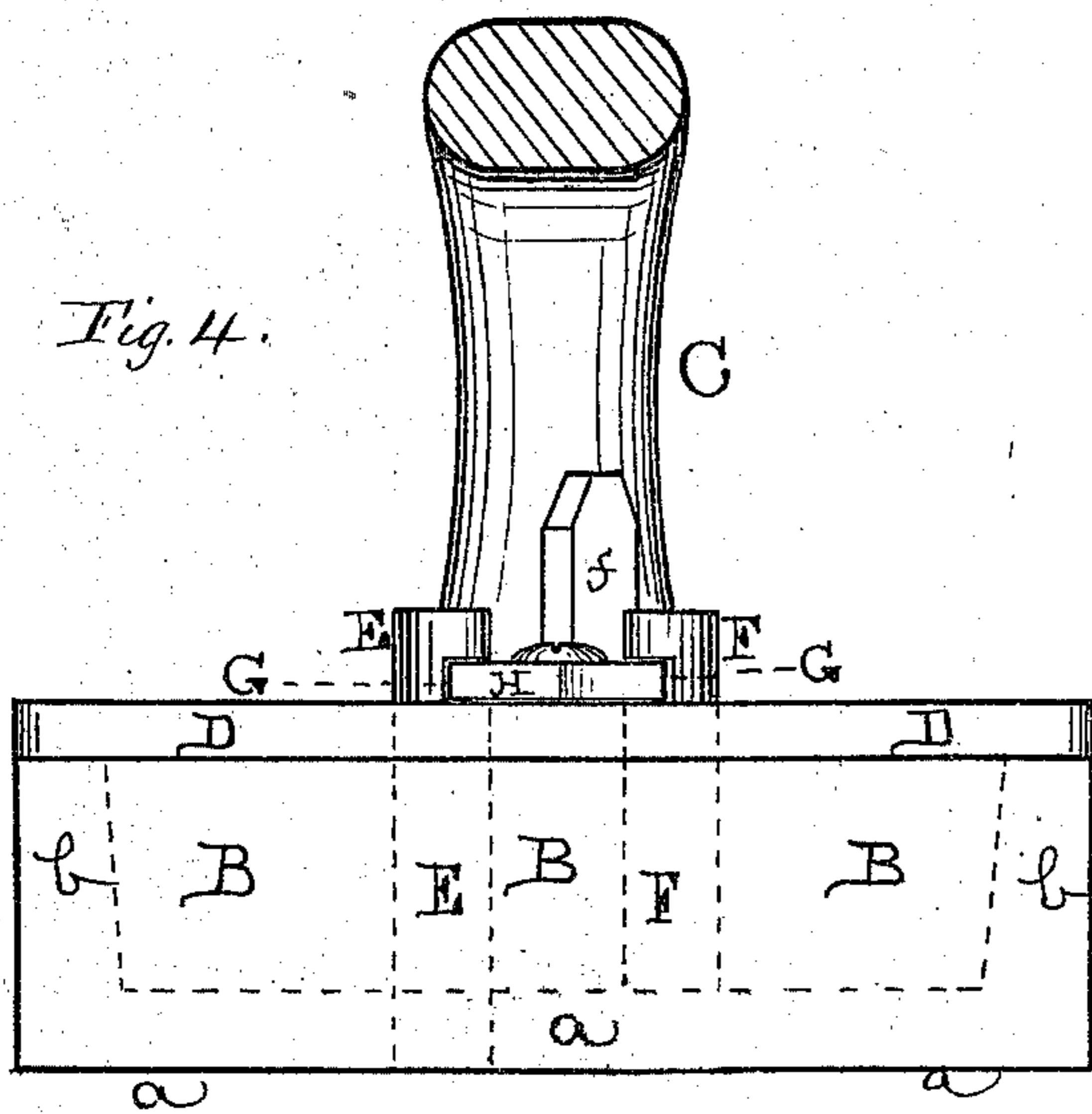


Fig. 4.



Witnesses:
Jacob E. Schiedt,
Henry M. Wiederstein

Inventor:
Joseph Fewkes,
by
John A. Diederstein,
Atty.

UNITED STATES PATENT OFFICE.

JOSEPH FEWKES, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO JOSEPH L. WILKINS AND ISAAC C. FOWLER, OF SAME PLACE; SAID FOWLER ASSIGNOR TO JAMES C. BROWN, OF SAME PLACE.

IMPROVEMENT IN SAD-IRON HEATERS.

Specification forming part of Letters Patent No. 131,672, dated September 24, 1872.

To all whom it may concern:

Be it known that I, JOSEPH FEWKES, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Sad-Irons; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand and use the same, reference being had to the accompanying drawing making part of this specification, in which—

Figures 1 and 2 are top views of detached parts of the device, the subject-matter of my invention; Fig. 3 is a top view of the device, the handles being broken away; and Fig. 4 is an end view thereof.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists of a detachable core which is suspended from the handle-plate or top of the shell, and adapted to be carried independently of the shell; it also consists in means for locking the handle and core; it also consists in the combination of various parts.

Referring to the drawing, A represents the shell or base of the iron, which consists of the portion *a*, whose lower face comes in contact with the article to be ironed, and sides or walls *b* rising from the bottom portion *a*, so that there is formed a hollow chamber to receive the heating-core B. The core consists of a piece of suitable metal or material, of shape and dimensions corresponding to that of the shell and fitting nicely within the shell. C represents the handle, which may be of usual form, and is cast with or secured to a plate, D, which constitutes the top of the shell and covers the core when the parts are in position. From the inner face of the bottom *a* of the shell, there rise pins or posts E, arranged diagonally, and adapted to pass through openings *c* in the core and openings *d* in the handle-plate, and extending above the said plate. Pins or posts F rise from the core B, arranged diagonally thereon, but in a direction opposite to the pins or posts E, and said pins or posts F pass through openings *e* in the handle-plate, so that there are two openings in and two posts or pins on the core, and four openings in the handle-plate. The posts F extend

above the handle-plate similarly to the posts E, and on the inner face or portion of each post or pin are formed notches or shoulders G, which face each other, as shown in Fig. 4. On the upper side of the handle-plate there is pivoted or secured a lever, H, whose ends are adapted to enter the notches of the posts E and of the posts F; said lever being provided with a thumb or finger-piece, *f*, for convenient manipulation thereof.

The operation is as follows: The core is to be heated in any desirable manner, and when ready for use the handle-plate is laid thereon, the pins of the core passing through the corresponding openings in the plate. The lever H is now turned so that its ends enter the notches in the pins of the core, and it will be noticed that the core and handle are locked or connected. The core may now be conveniently carried to the ironing-table where the shell should rest, (or be within convenient reach,) and is introduced into the shell, the pins of the latter passing through the unoccupied openings of the core and handle-plate. The lever H is now moved from the pins of the core and pressed into the notches of the pins of the shell, whereby the shell, core, and handle are locked or connected, and all parts are complete for use. When the core cools or becomes cold, the lever is moved clear of the pins of the shell and engaged with the pins of the core, whereby the core may be lifted clear of the shell, the latter remaining stationary on the ironing-table, board, or other place of rest. The core may now be carried to the place of heating to be reheated, and another core properly heated is attached to the handle and operated in a manner similar to that stated. It will be perceived that the shell need not be conveyed to the stove or place of heating, and consequently is not soiled or fouled by contact with the stove, fuel, or otherwise, as is usual with ordinary irons, whereby the ironing-face is always clean, smooth, and ready for operation. The core is completely inclosed and its heat will be prevented from escaping except by radiation. The upper face of the bottom of the shell may be corrugated to increase the heating-surface, and assist the radiation of heat through said bottom.

Having thus described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

1. The detachable core suspended from the handle or top plate of the shell, and adapted to be carried by the handle independently of the shell, substantially as and for the purpose described.

2. The pins or posts F rising from the core, passing through the plate D and engaged by the lever H, substantially as and for the purpose described.

3. The pins or posts F rising from the core

B, and pins or posts E rising from the shell A, in combination with the handle-plate D and lever H, the parts operating together substantially in the manner and for the purpose set forth.

The above signed by me this 16th day of July, 1872.

JOSEPH FEWKES.

Witnesses:

THOS. H. CLARKE,
W. A. HASBAND.