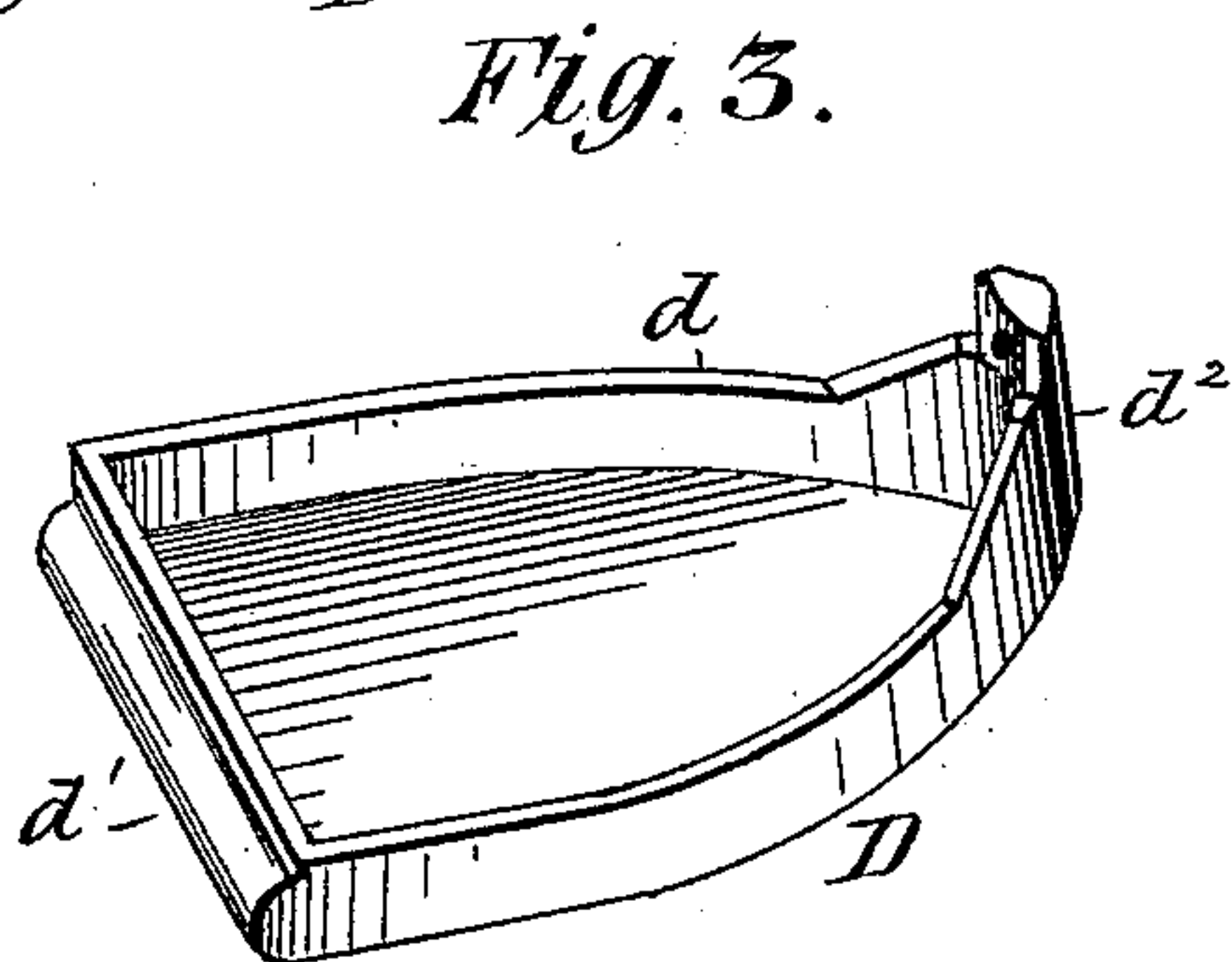
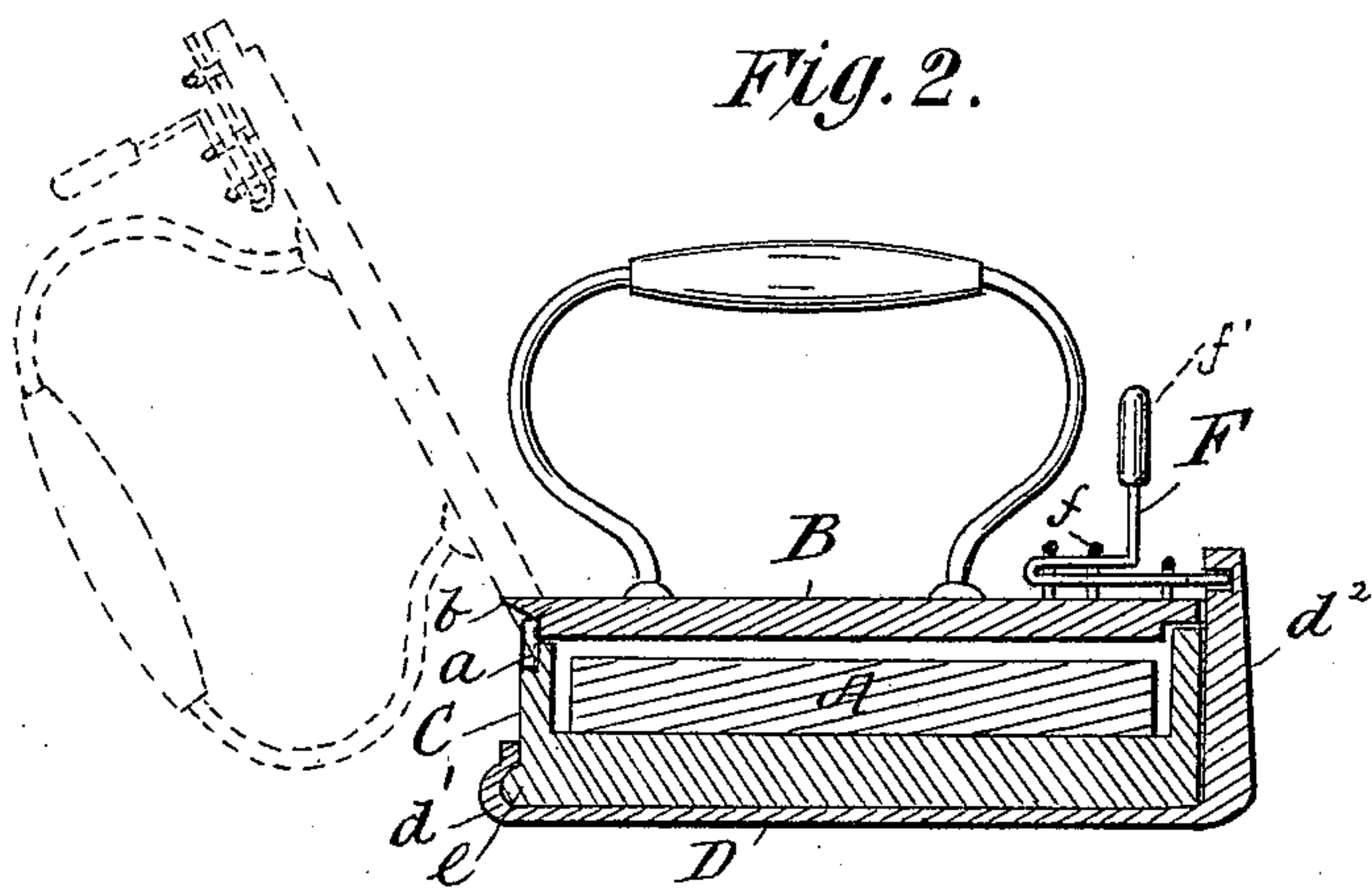
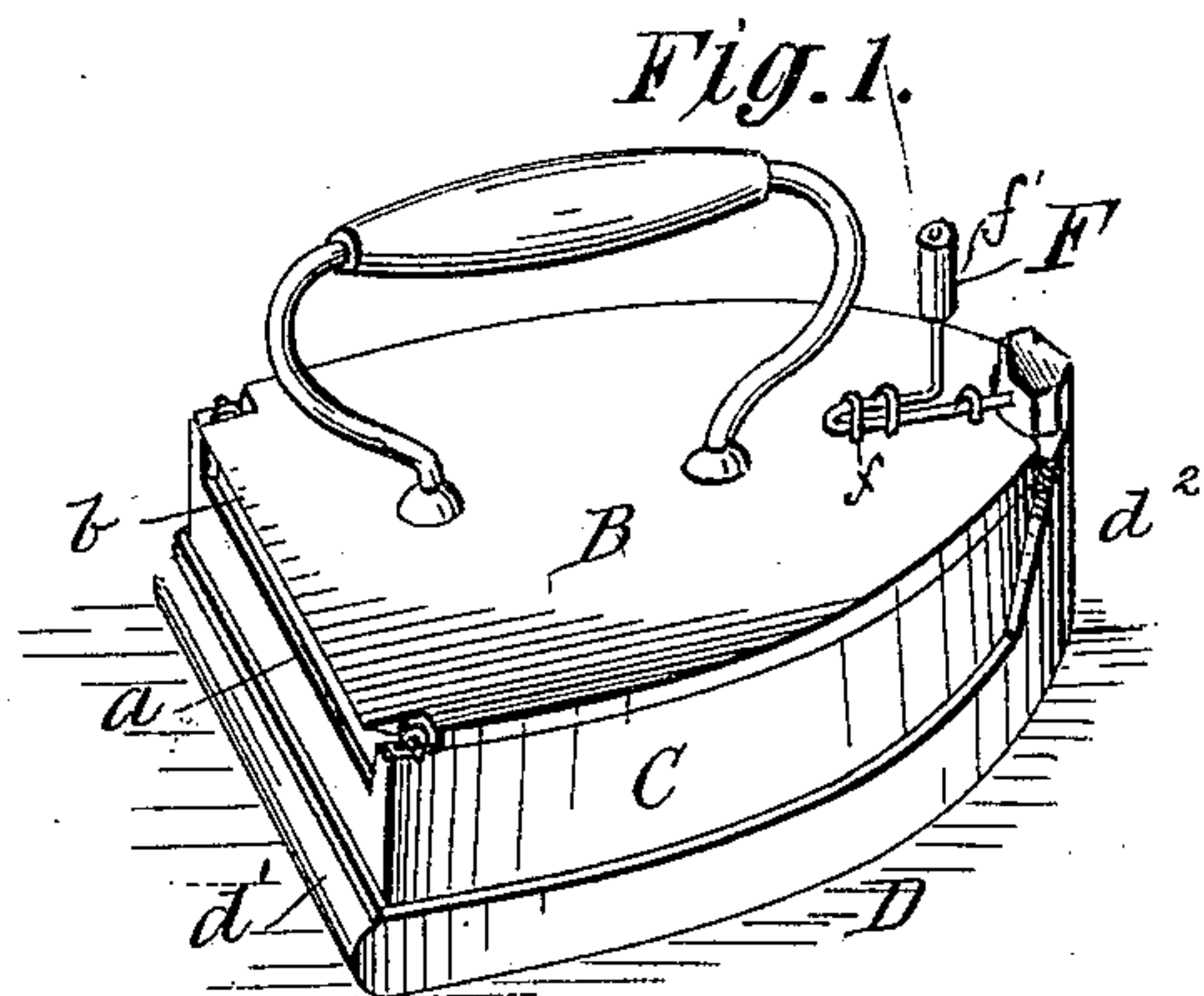


(No Model.)

J. F. WOOD.
SAD IRON.

No. 438,968.

Patented Oct. 21, 1890.



Witnesses
Sam^l R. Turner.
Van Buren Hillyard.

Inventor
James F. Wood.

By his Attorney
R. A. Lacey

UNITED STATES PATENT OFFICE.

JAMES F. WOOD, OF WOODYARDS, OHIO, ASSIGNOR OF ONE-HALF TO HENRY A. DIXON, OF SAME PLACE.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 438,968, dated October 21, 1890.

Application filed June 4, 1890. Serial No. 354,275. (No model.)

To all whom it may concern:

Be it known that I, JAMES F. WOOD, a citizen of the United States, residing at Wood-yards, in the county of Athens and State of Ohio, have invented certain new and useful Improvements in Sad-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 appertains to make and use the same.

This invention relates to sad-irons, and aims to provide an iron that can be heated from a hot core or other suitable means, the same being introduced into the body of the iron through the top thereof, which is open, being closed by a cover which is hinged thereto at one end. The face of the iron is protected by a shoe, which may be plated or highly polished, and which is preferably of brass, because of its heat-conducting properties.

The improvement consists of a single fastening for securing the cover on the iron and at the same time serving as a means to secure the shoe in place.

The improvement further consists in the novel feature and peculiar construction and combination of the parts, which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a perspective view of a sad-iron embodying my invention. Fig. 2 is a central longitudinal section of the iron, showing the cover opened by dotted lines. Fig. 3 is a perspective view of the shoe.

The iron is of ordinary shape, being hollow to receive a heating medium, such as the core A, hot coals, or any well-known heating medium. The iron comprises the shell C, which is closed on its bottom and sides and open at its top; the core A, which is inserted through the open top of the shell; the cover B, for closing the open top of the shell and provided with the handle, and the shoe D. The cover is hinged or pivotally connected at its rear end with the shell. The ledge *b*, projecting in the rear of the axial line about which the cover turns, is adapted to enter a recess *a* in the rear end of the shell C and limit the movement of the cover when opened, holding the

same in a nearly vertical position, as shown by the dotted lines in Fig. 2.

The shoe D has a projecting flange *d*, which embraces the sides of the shell and holds the shoe from lateral displacement. The rear flange *d'* is shaped to form a socket, which is adapted to receive a projecting rib *e* at the rear end of the shell, thereby forming a positive means of engagement between the shell and shoe.

The projection *d*² at the front end of the shoe extends above the top of the cover and is adapted to be engaged by the fastening F, which also serves to hold the cover closed. This fastening may be of any suitable and well-known construction, but is preferably a sliding bolt, being held on the cover by suitable keepers *f*. The finger-piece *f'* of the fastening or sliding bolt F projects vertically and extends within convenient reach, so as to be operated by a finger of the hand which manipulates the iron.

In the event of heating the iron on the stove in the usual way the shoe can be readily detached, thereby preventing injury to the polishing-face thereof, and in the event of removing the shoe and at the same time opening the cover both operations can be performed by releasing the single fastening, as will be readily understood.

It will be observed that the projection *d*² embraces the point of the shell, and it will be further noticed that the point of the cover is notched to receive the upper end of the said projection. Hence the front end of the cover will be held from lateral movement by reason of the engagement thereof with the said projection *d*².

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

1. The combination, with the shell open at its top to permit the insertion into the body of the shell of the heating medium, and the cover for closing the shell, of the shoe and a fastening for simultaneously securing the cover and the shoe to the shell, substantially as set forth.

2. The combination, with the shell open at its top to receive the heating medium and

the cover for closing the open top of the shell,
of the shoe having a vertical projection and
a fastening on the cover adapted to engage
with the said vertical projection, substantially
5 as and for the purpose described.

3. The combination, with the shell having
the projecting rib *e* and the shoe having
socket *d'* to receive the rib *e*, and having
flanges *d* and projection *d*², of the hinged cover
10 notched to receive the projection *d*² and the

fastening for securing the cover and shoe to-
gether and to the shell, substantially as set
forth.

In testimony whereof I affix my signature in
presence of two witnesses.

JAMES F. WOOD.

Witnesses:

HENRY A. DIXON,
JESSE MCHENRY.