

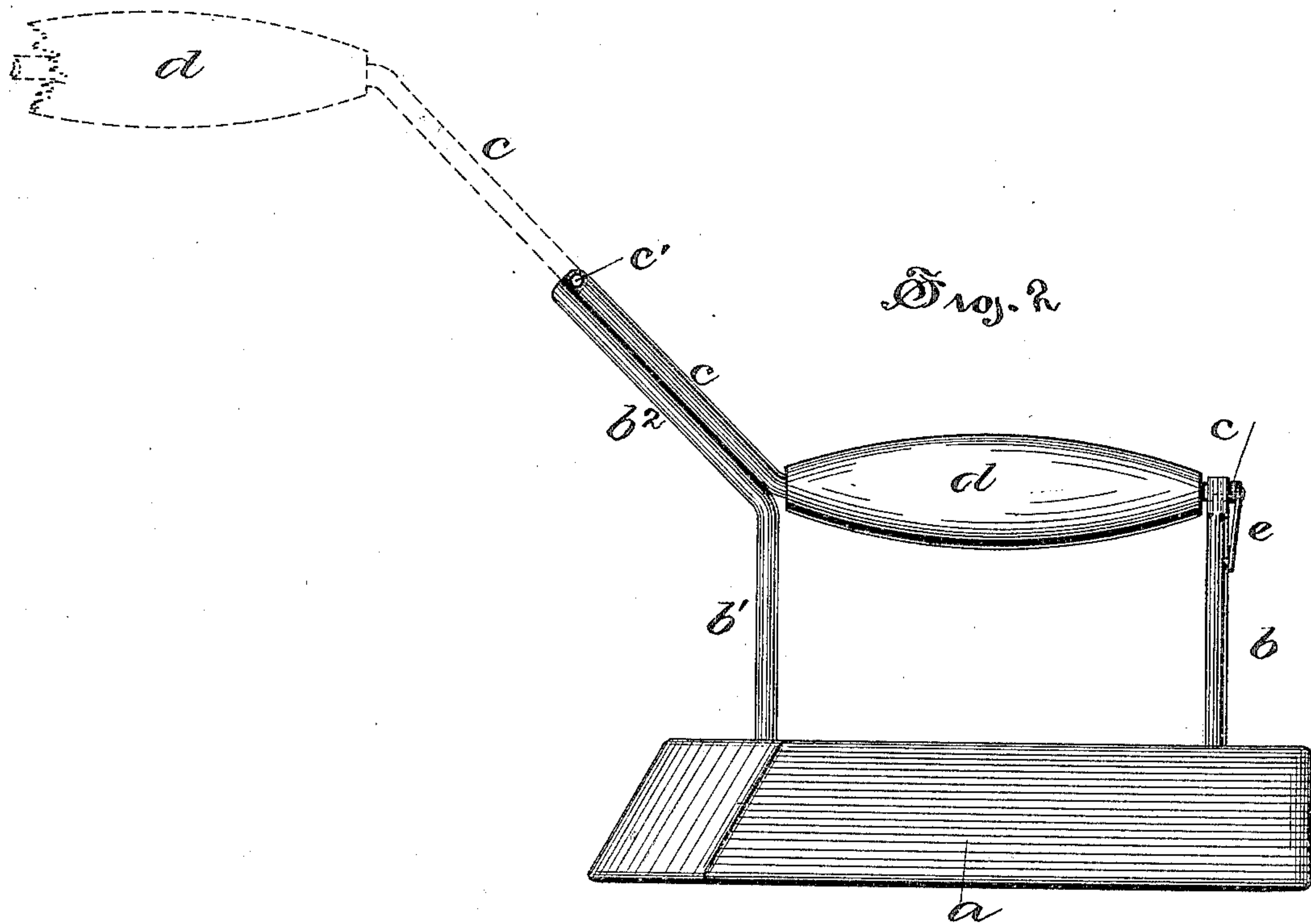
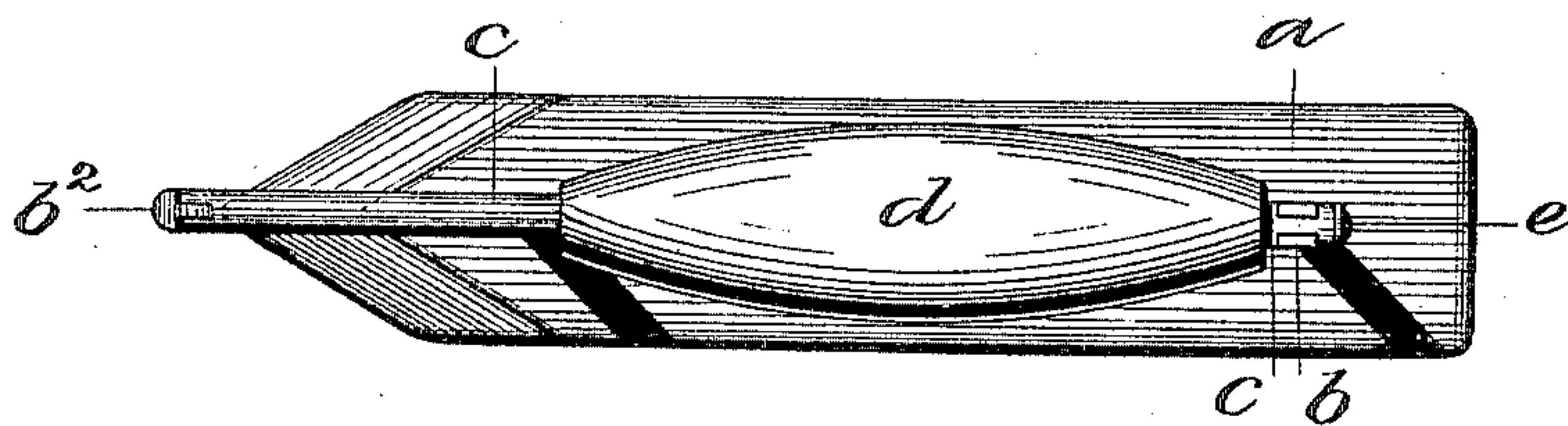
(No Model.)

D. H. MURPHY.
SAD IRON.

No. 446,533.

Patented Feb. 17, 1891.

Fig. 1



Witnesses:

Wm. H. Hand
John T. Hoag

Inventor,

Daniel H. Murphy, by
Harry R. Williams
Atty.

UNITED STATES PATENT OFFICE.

DANIEL H. MURPHY, OF HARTFORD, CONNECTICUT.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 446,533, dated February 17, 1891.

Application filed October 28, 1890. Serial No. 369,553. (No model.)

To all whom it may concern:

Be it known that I, DANIEL H. MURPHY, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Sad-Irons, of which the following is a full, clear, and exact specification.

The invention relates to the class of sad or smoothing irons having adjustable non-heating handles; and the object is to provide an iron of this class with a simple and cheap handle that while permanently secured to the base and adaptable at all times to be used as a handle can be readily and quickly removed from a position near the base to a position quite a distance up and away from the base without being detached therefrom when the iron is being warmed, so that it will not become warmed by the source of heat.

Referring to the accompanying drawings, Figure 1 is a plan view of the iron, and Fig. 2 is a side elevation of the same.

In the views the letter *a* indicates the base or smoothing block, which is cast to any suitable shape of iron, steel, or other desirable metal capable of receiving a polished smoothing-surface and retaining heat. From opposite ends of the upper surface of the base rise pillars or rods *b b'*, one of which *b'* has an upward and forward integral extension *b²*, to which at or near its upper and forward end is pivoted a rod or bar *c*, that after extending backward and downward parallel with the extension *b²* for a distance passes to or through a suitable handle *d*, preferably formed of wood or a similar heat-non-conducting material, to the upper end of the rod *b*. The upper end of the rod *b* is preferably bifurcated to receive a reduced portion of the end of the rod *c*, or an equivalent projection from the handle *d*, which is provided with a spring-catch *e*, that engages a notch cut in the rod and holds the parts together when the handle is down. When this catch is released, the rod *c* can be swung on the pivot *c'* at the end of the extension *b²*, which movement of the rod carries the handle upward and forward away from the base, as shown in dotted outline in Fig. 2, so that when the iron is placed upon a stove or other source

of heat the handle need not be directly over the stove or heated parts and thereby become too warm to be grasped by the bare hand. The folding back of the rods upon themselves permits the handle when down to be near the base, its best position for the management of the iron, and when the catch is released having the pivot at the end of the extended parts permits the handle to be carried quite a distance away from the base without detachment therefrom, so that a wooden or other cheap and desirable handle can be used without danger of its becoming destroyed at the first heating of the iron. The handle is always attached to the base, and the hinge between the rods forming the handle-support is preferably so formed that the handle will turn but a predetermined distance, usually so as to be horizontal when fully opened, and it can when in that position be used to lift the iron to or from the stove. This upward and forward extending part of the handle-support also serves as a guide or sight that may be followed by the eyes in ironing or smoothing seams, for which the iron shown in the views is particularly adapted, for if the projecting part of the handle-support is kept in line with the seam the center of the iron is sure to follow the seam.

The handle is cheaply constructed, readily adjustable for use, always secured to the iron, and ready for use at any time.

I claim as my invention—

1. A sad-iron consisting of a base having handle-supports, one of which is provided with an outward extension, and a handle hinged to the end of the extended support and adapted to swing into or out of engagement with the other support, substantially as specified.

2. A sad-iron consisting of a base having handle-supports, one of which is provided with an outward extension, a handle hinged to the end of the extended support and adapted to swing into or out of engagement with the other support, and a spring-catch adapted to hold the free end of the handle in engagement with its support, substantially as specified.

DANIEL H. MURPHY.

Witnesses:

H. R. WILLIAMS,
WM. K. HAND.