

No. 629,801.

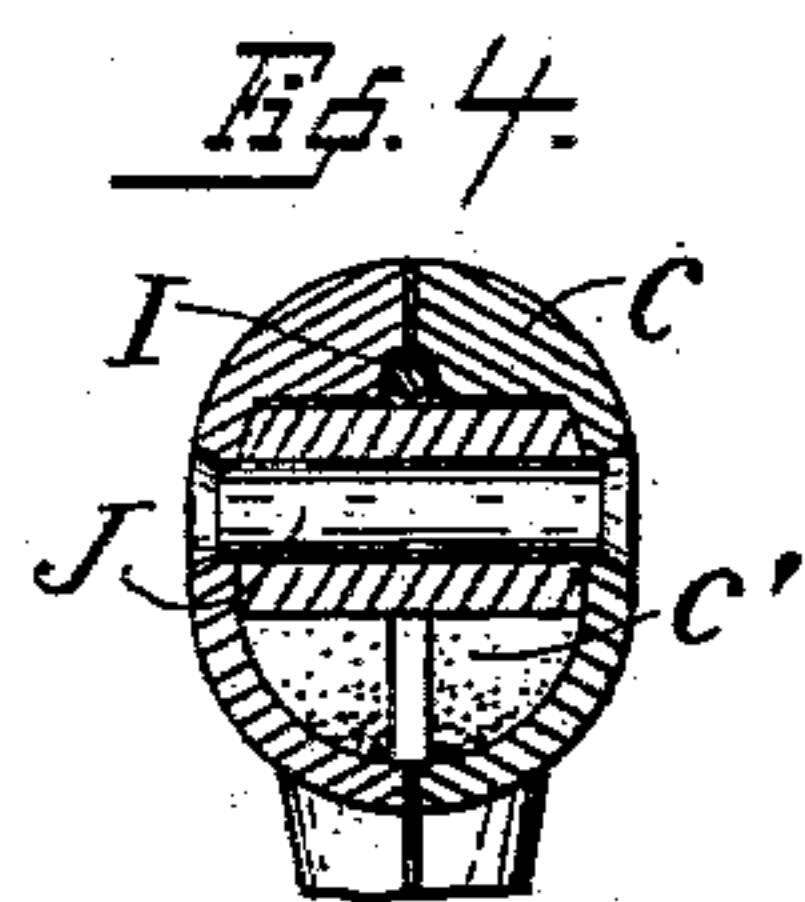
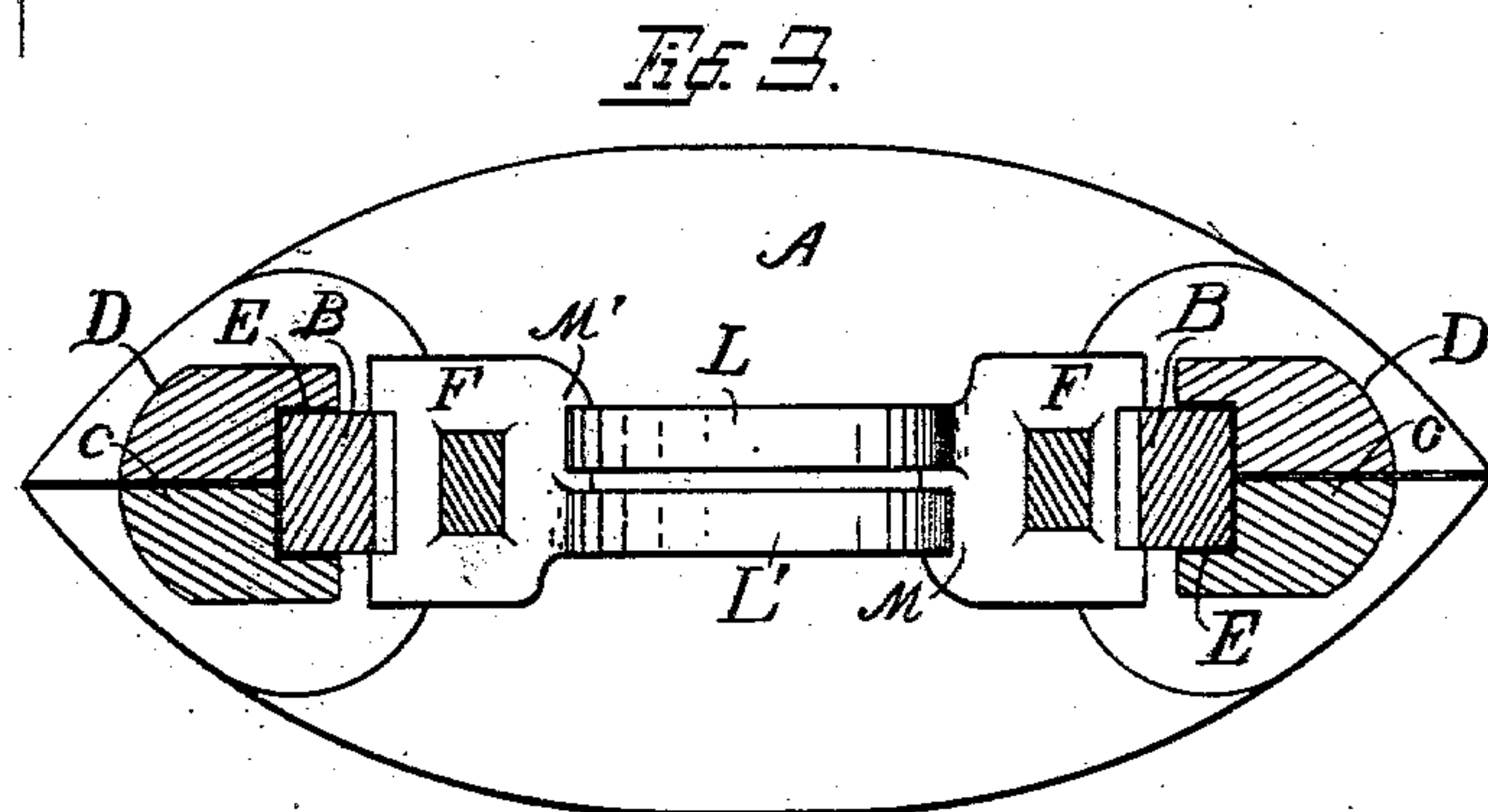
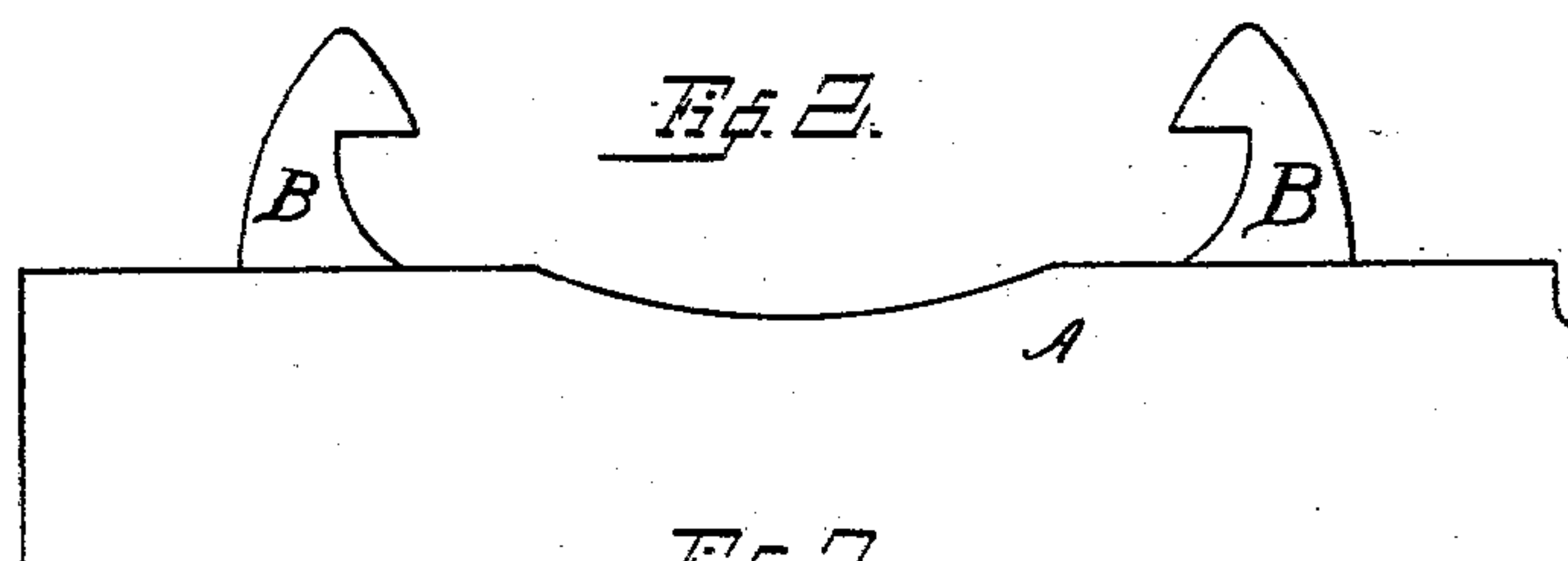
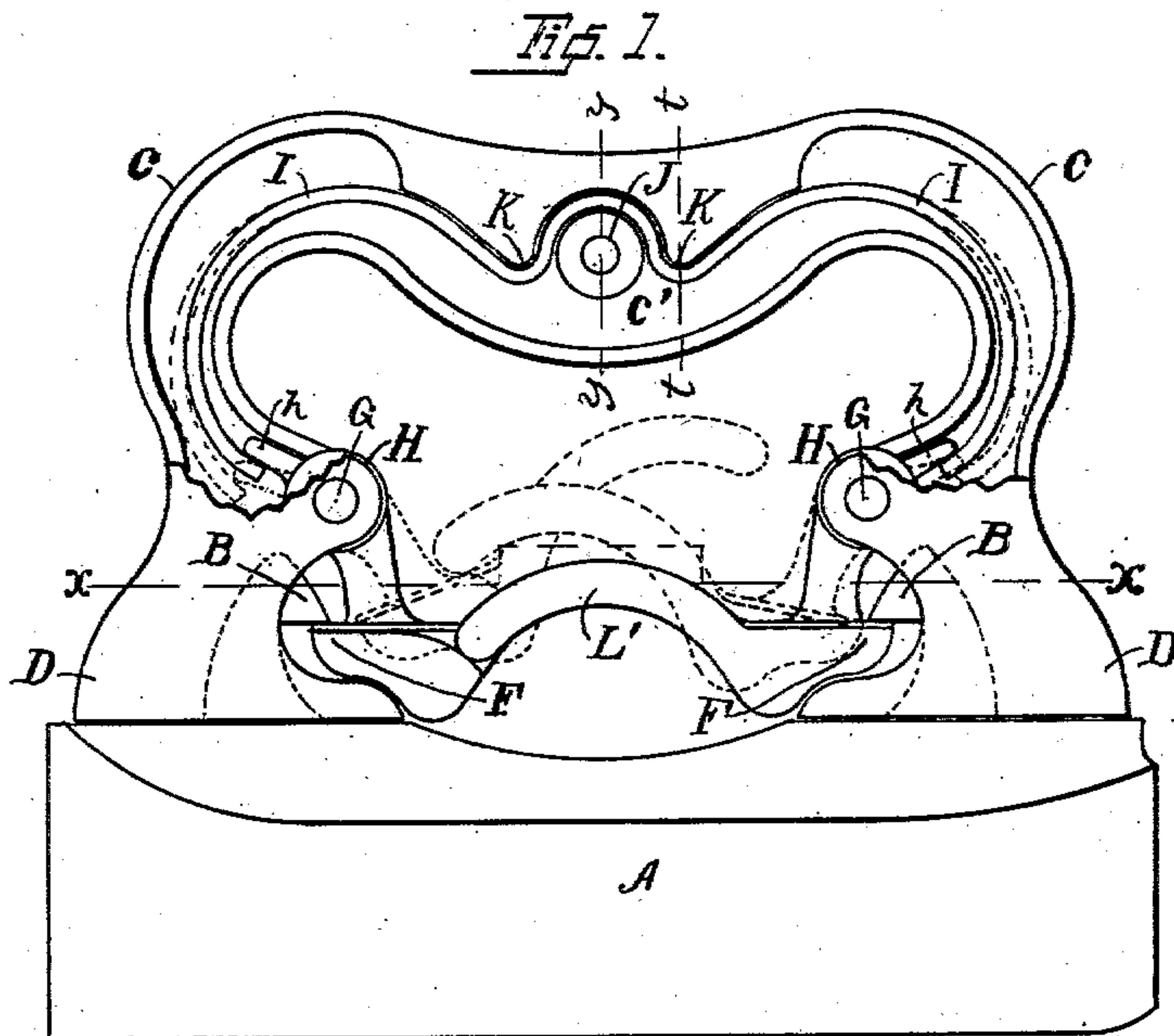
Patented Aug. 1, 1899.

A. MEYER.

SAD IRON.

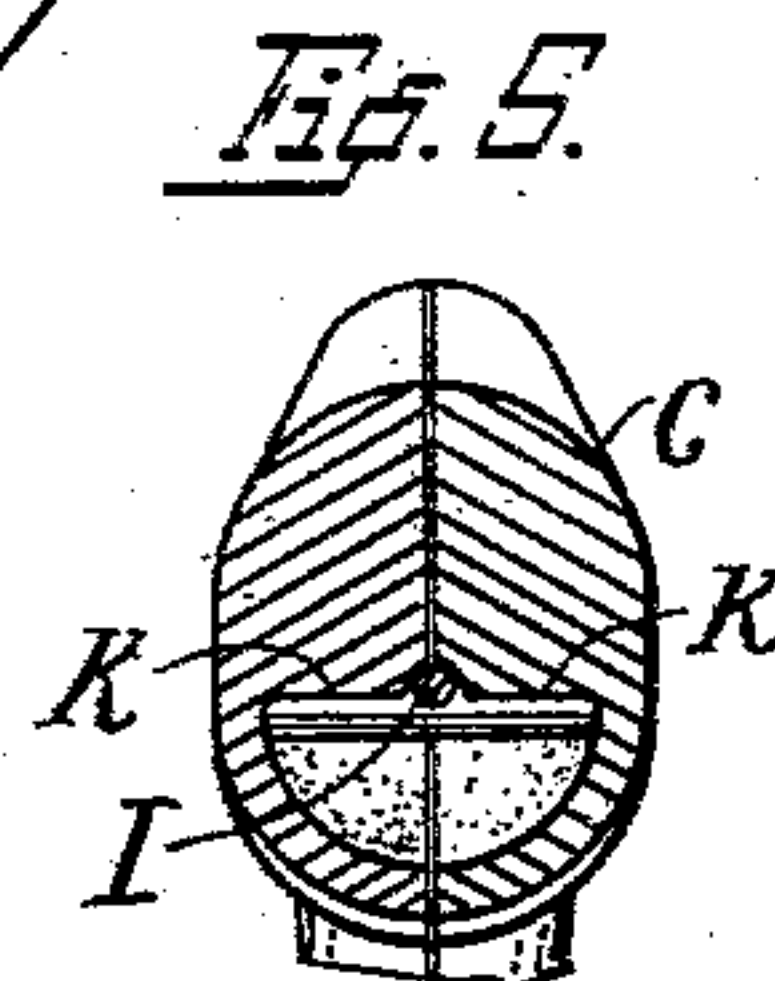
(Application filed July 1, 1898.)

(No Model.)



Witnesses.

E. A. O. R.
Minister Timlin.



Inventor.

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UNITED STATES PATENT OFFICE.

ARNT MEYER, OF MILWAUKEE, WISCONSIN, ASSIGNOR TO JOHN O. OLSON,
OF SAME PLACE.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 629,801, dated August 1, 1899.

Application filed July 1, 1898. Serial No. 684,944. (No model.)

To all whom it may concern:

Be it known that I, ARNT MEYER, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Sad-Irons, of which the following is a specification.

My invention relates to improvements in that class of sad-irons which are provided with detachable handles; and it pertains to the peculiar construction of the fastening mechanism of the iron and handle, which are adapted to be automatically interlocked together by the latches, which when the handle is in place drop into engagement with corresponding catches formed integral with the iron, whereby the handle is firmly secured to the iron.

The construction of my invention is explained by reference to the accompanying drawings, in which—

Figure 1 represents a side view of the sad-iron and handle interlocked together and with a portion of the handle broken away to show the catch-retaining spring. Fig. 2 is a side view of the top of the sad-iron with the handle removed. Fig. 3 is a plan view, part in section, drawn on line X X of Fig. 1. Figs. 4 and 5 are cross-section views drawn on lines y y and t t of Fig. 1.

Like parts are identified by the same reference-letters throughout the several views.

A represents the sad-iron proper, which is provided with two handle-retaining catches B, formed integral therewith. The handle C is divided longitudinally in two parts which when united form an internal recess or cavity C'. The handle is formed with two bearing-flanges D D, provided with recesses E E for the reception of the catches B B, which catches are closely fitted thereto. When the handle is placed upon the iron, it is secured thereto by the latches F, which latches are in turn secured to the handle C by the pivotal bolts G and lugs H. The pivotal bolts G are preferably located outside of the vertical center of the iron, slightly past the center of gravity of the latches, whereby the latches are caused to swing outward from the center of the handle and into engagement with the catches and are thus held by their own grav-

ity when the iron is right side up. The latches F are, however, provided with arms h, projecting into the cavity C' and engaged therein by a spring I, which is preferably formed of wire and looped around the central rivet J of the handle C, as clearly illustrated in Fig. 1. The handle-sections are also provided with internal shoulders K, which form a bearing for the wire and cause it to press upon the arms h with sufficient force to hold the latches F in their engagement with the catches B when the iron is inverted.

The latches F are provided with lifting-arms L and L', by which they are drawn out of engagement with the catches B when desired to remove the handle from the iron. The arms L and L' by their gravity serve to hold said latches in engagement with said catches. The latches F F are provided with lateral side bearings M M'. The free ends of the arms L L' are adapted to rest upon the respective side bearings M M', as shown in Fig. 3, whereby it is obvious that by raising either of said arms L or L' the other arm, with the retaining-latch, is also raised, whereby both of said retaining-latches are simultaneously withdrawn from said retaining-catches by raising either of said arms, when the handle may be withdrawn from the iron. It will also be obvious that when desired to fasten the handle to the iron all that is necessary to do is to place the same in position above the retaining-catches, when said latches will be raised by contact with the catches until the handle is brought in place upon the iron, when said latches drop back into engagement with the catches.

It will of course be understood that a single handle may be used for several irons, whereby when one iron is cold the handle may be readily detached therefrom and secured to another iron, and thus change from one to another from time to time as the irons become cool.

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

1. The combination of a smoothing-iron provided with two retaining-catches; an operating-handle having two recessed bearings for the reception of said retaining-catches; two

gravity-latches respectively provided with lifting-arms and lateral bearings, said latches being pivotally secured to said handle above said catches and adapted to drop of their own gravity into engagement with said catches and automatically lock said handle and iron together, the lifting-arms of each of said latches being adapted to rest upon the lateral bearing-surfaces of the other, whereby both of said arms and latches are simultaneously raised by raising either of said lifting-arms, all substantially as and for the purpose specified.

2. The combination of a smoothing-iron provided with retaining-catches; an operating-handle having recessed bearings for the reception of said catches, latches pivotally se-

cured to the handle above the catches and adapted to drop into engagement therewith, and automatically lock the handle and iron together; arms projecting from said latches into a cavity in the handle, and a wire spring located within the handle and engaging said latch-arms, whereby the latches are prevented from dropping out of engagement when the iron is inverted, substantially as and for the purpose specified.

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

ARNT MEYER.

Witnesses:

LEVERETT C. WHEELER,
JAS. B. ERWIN.