

No. 689,288.

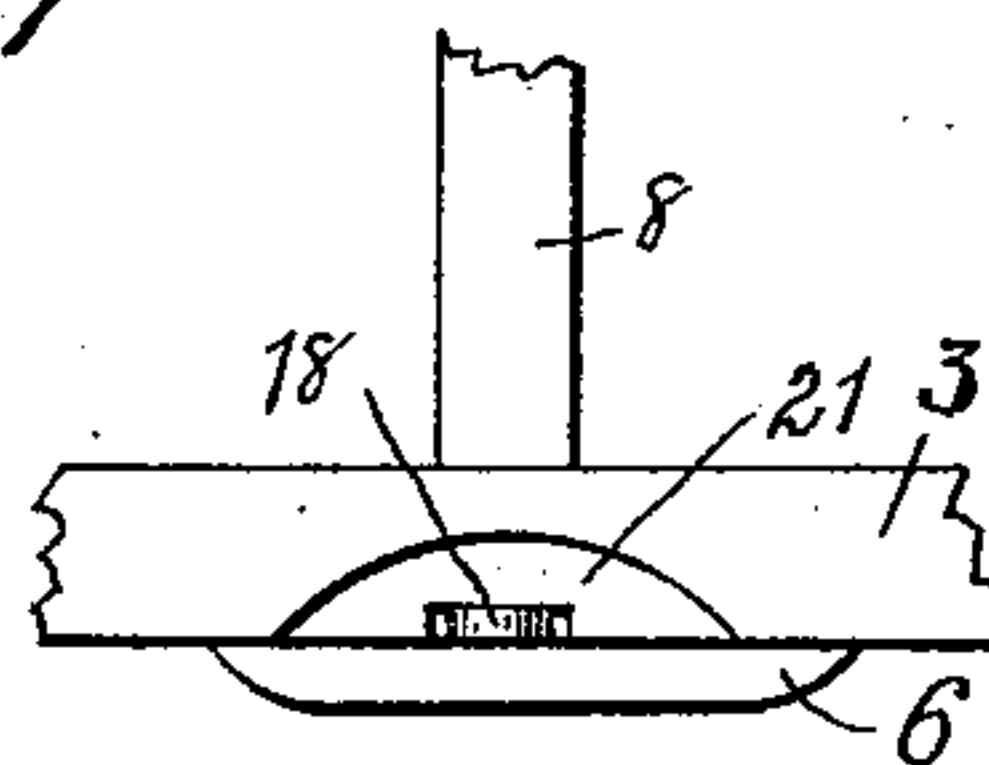
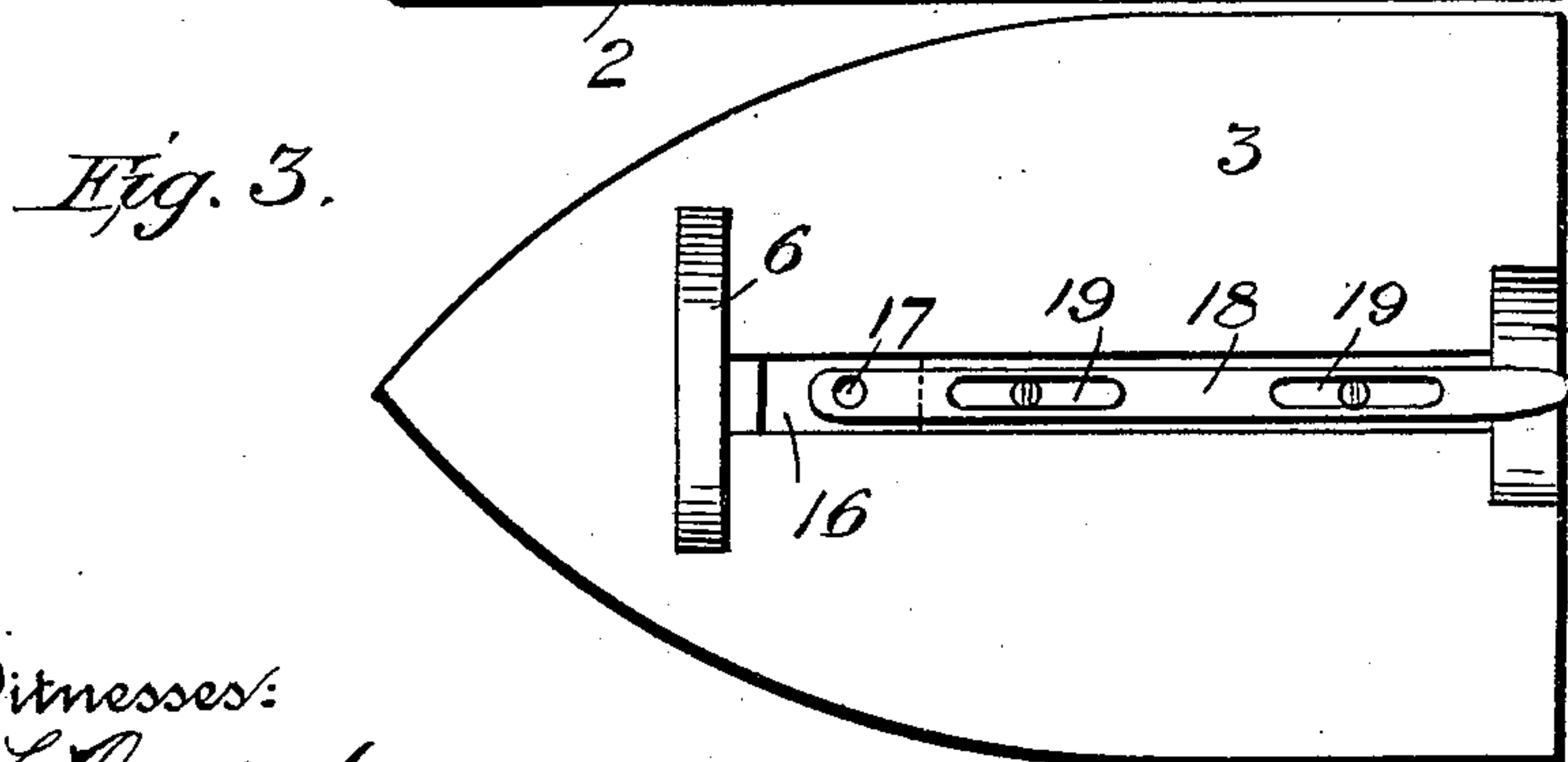
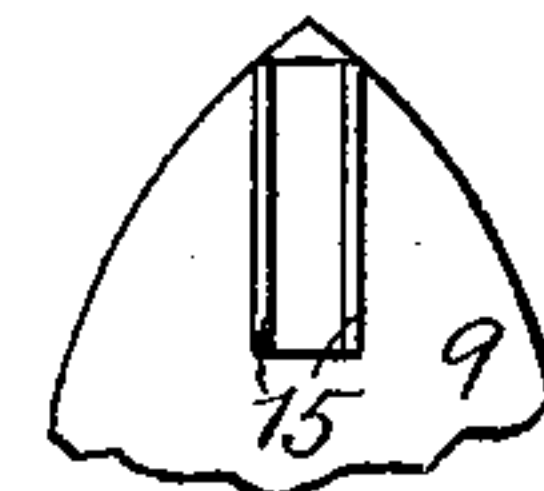
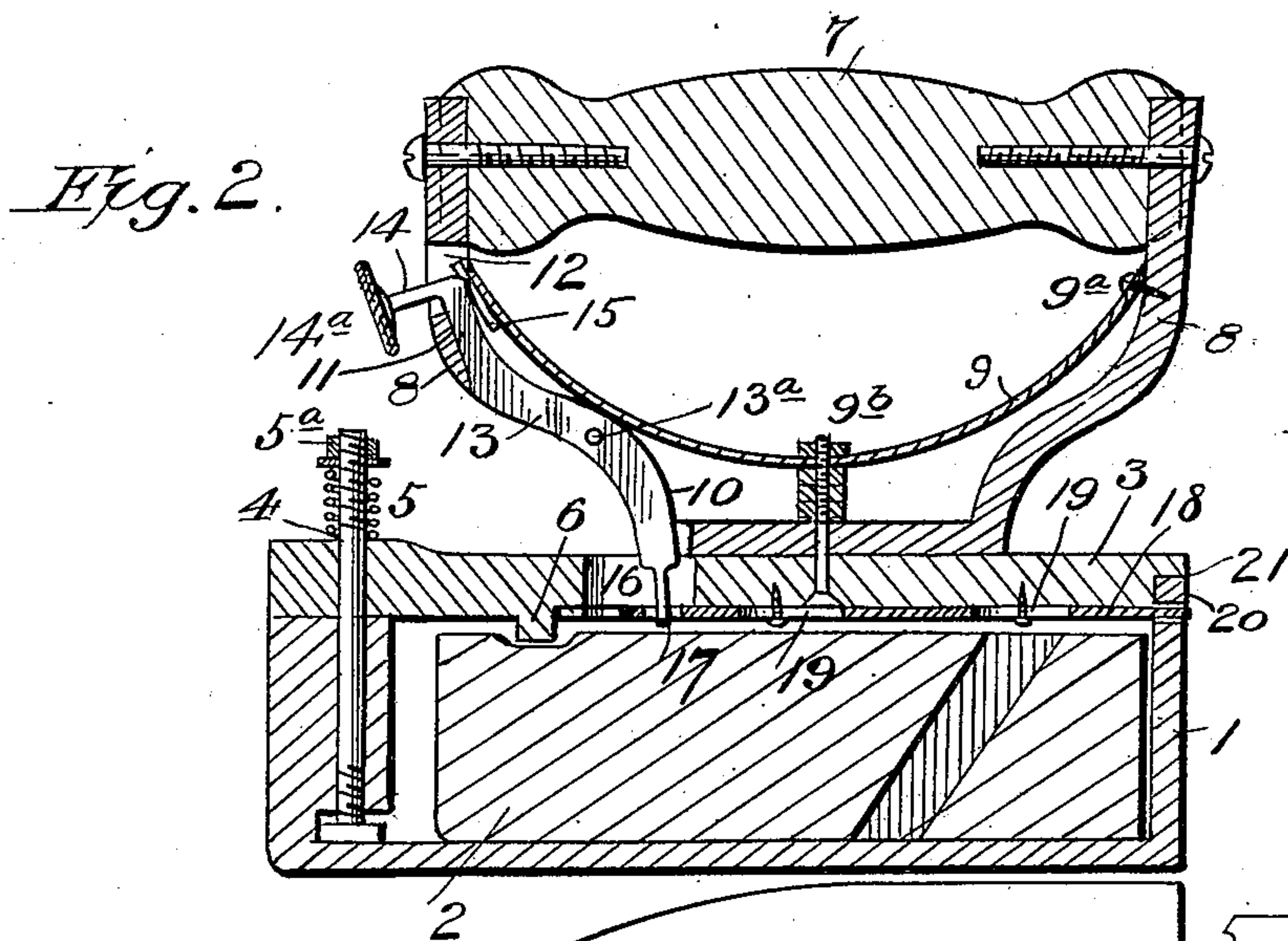
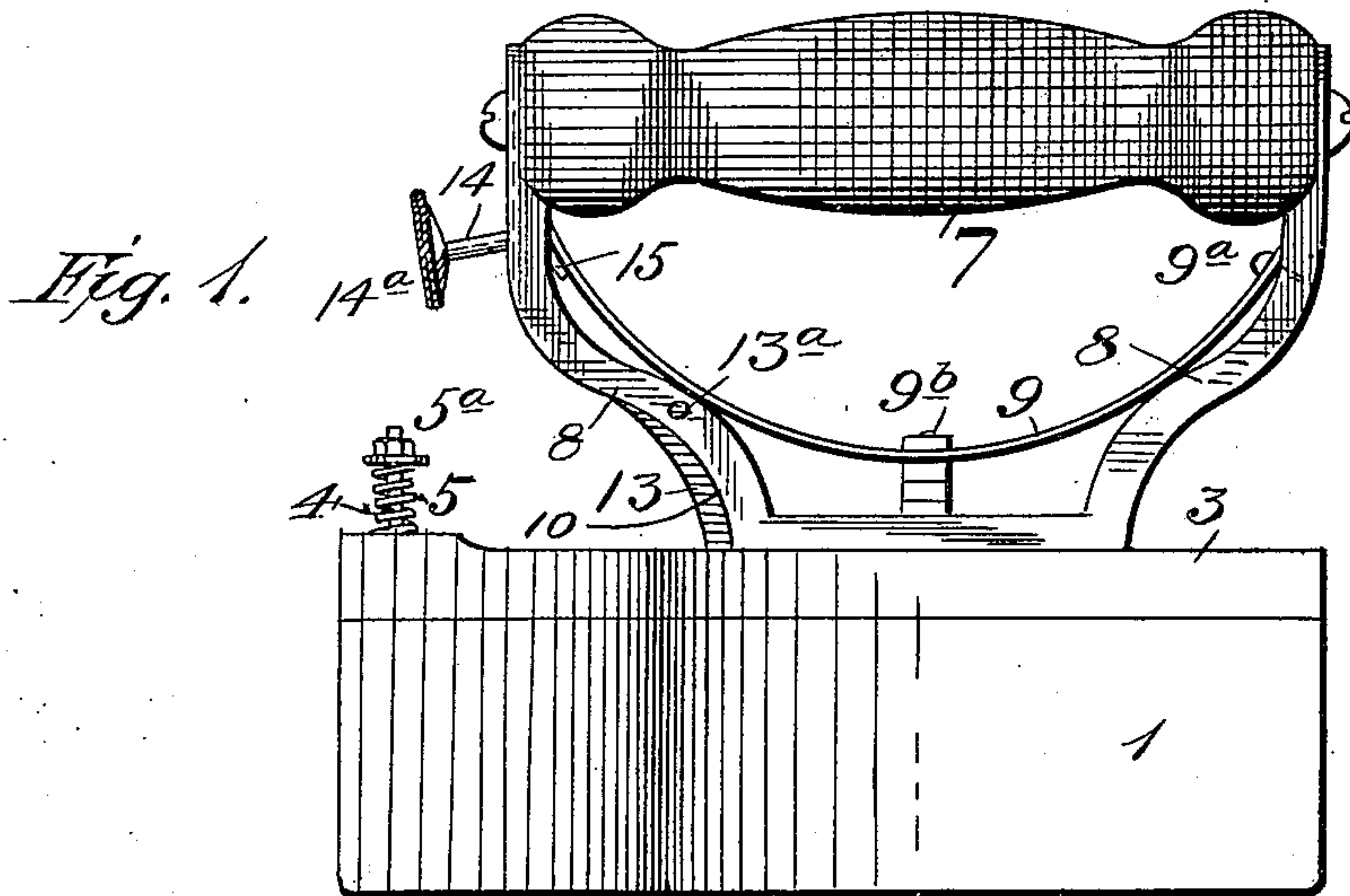
Patented Dec. 17, 1901.

R. F. COLLINS.

SAD IRON.

(Application filed July 15, 1901.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

ROBERT FULTON COLLINS, OF MANCHESTER, OHIO.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 689,288, dated December 17, 1901.

Application filed July 15, 1901. Serial No. 68,327. (No model.)

To all whom it may concern:

Be it known that I, ROBERT FULTON COLLINS, a citizen of the United States, residing at Manchester, in the county of Adams and State of Ohio, have invented new and useful Improvements in Sad-Irons, of which the following is a specification.

My invention relates to sad-irons; and the objects of the same are to construct an iron of this class which will be provided with simple and efficient means for holding the heating-iron in place, for locking the cover on the iron, and for raising the cover over the catch or keeper. These objects are accomplished by the simple and novel construction described in this specification and claimed, and illustrated in the accompanying drawings, forming a part thereof, in which—

Figure 1 is a side elevation of my iron. Fig. 2 is a vertical longitudinal section of the same. Fig. 3 is a bottom plan of the cover. Fig. 4 is a fragmentary detail rear elevation of the cover. Fig. 5 is a detail of the guide-lugs, together with a fragment of the shield.

Like numerals of reference designate like parts in the different views of the drawings.

The numeral 1 designates the box of my iron of the usual and appropriate shape. This casing is designed to accommodate a heating-block 2, which fits the casing only moderately snug, thus allowing for expansion.

A snugly-fitting cover 3 for the box 1 is pivoted on a stud 4, which projects beyond the cover. A spiral spring 5 surrounds the stud, bears on the cover, and is held confined by a nut 5^a. This arrangement allows for the expansion of the heating-block 1. Formed on the under side of the cover is a transversely-extending rib 6, which is beveled off at each end. This rib serves to engage the edge of the box and raise the cover 3 clear thereof in opening it to remove the heating-block 2.

The cover 3 is fitted with a handle of ordinary construction, comprising a handhold 7 and standards 8. A curved shield 9 is mounted under the handhold 7, is formed of resilient metal, and is secured at its rear end at 9^a and at its center at 9^b, leaving the front end free and bearing against the forward standard 8. This standard 8 is longitudinally

slotted at 10, grooved at 11, and apertured at 12 to accommodate a trigger-lever 13, pivoted on a cross-pin 13^a and provided with an arm 14, bearing a knob 14^a. The arm 14 projects through the aperture 12, and the lever 13 fits in the groove 11, the bottom of which serves to limit its movement. A pair of lugs 15 are mounted on the forward end of the shield 9 and engage the upper end of the lever 13. By this arrangement the shield 9 serves as a spring to return the lever to its initial position after displacement. The lower end of the lever 13 extends down through a slot 16, formed in the cover 3, and engages an aperture 17 in a latch-bar 18 on the under side of the cover. This latch-bar 18 is slotted at 19 and permitted to slide longitudinally of the cover by two studs engaging the slots 19. A keeper 20 is mounted on the rear of the box 1 in position to be engaged by the bar 18 to secure the cover. The cover is cut away at 21 to accommodate the keeper 20. It should be noted that the rib 6 also serves to raise the cover over the keeper 20 in opening and closing the iron. This action is permitted by the spring 5.

To open the iron for removing the heating-block 2, the knob 14^a is pressed inwardly, which action will retract the latch-bar 18 and release the cover, which can be swung around on stud 4 as an axis. The block 2 can then be removed and the cover swung around and locked after operating the latch-bar by use of the knob 14^a.

I do not wish to be limited as to details of construction, as these may be modified in many particulars without departing from the spirit of my invention.

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

1. In a sad-iron, the combination with a box, of a pivoted cover, a keeper mounted on said box, a sliding latch-bar mounted on said cover and located to engage said keeper, a handle on said cover, a trigger-lever pivoted to said handle, and a curved resilient shield bearing on said lever to restore it to its initial position after displacement.

2. In a sad-iron, the combination with a box, 100

of a stud mounted on said box, a cover pivoted to said stud, a spiral spring surrounding said stud and bearing on said cover, and a rib mounted on the under side of said cover; transversely thereof, said rib being beveled off to adapt it to engage the box to raise said lid, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ROBT. FULTON COLLINS.

Witnesses:

EDWARD R. GREGORY,
S. W. SHELTON.