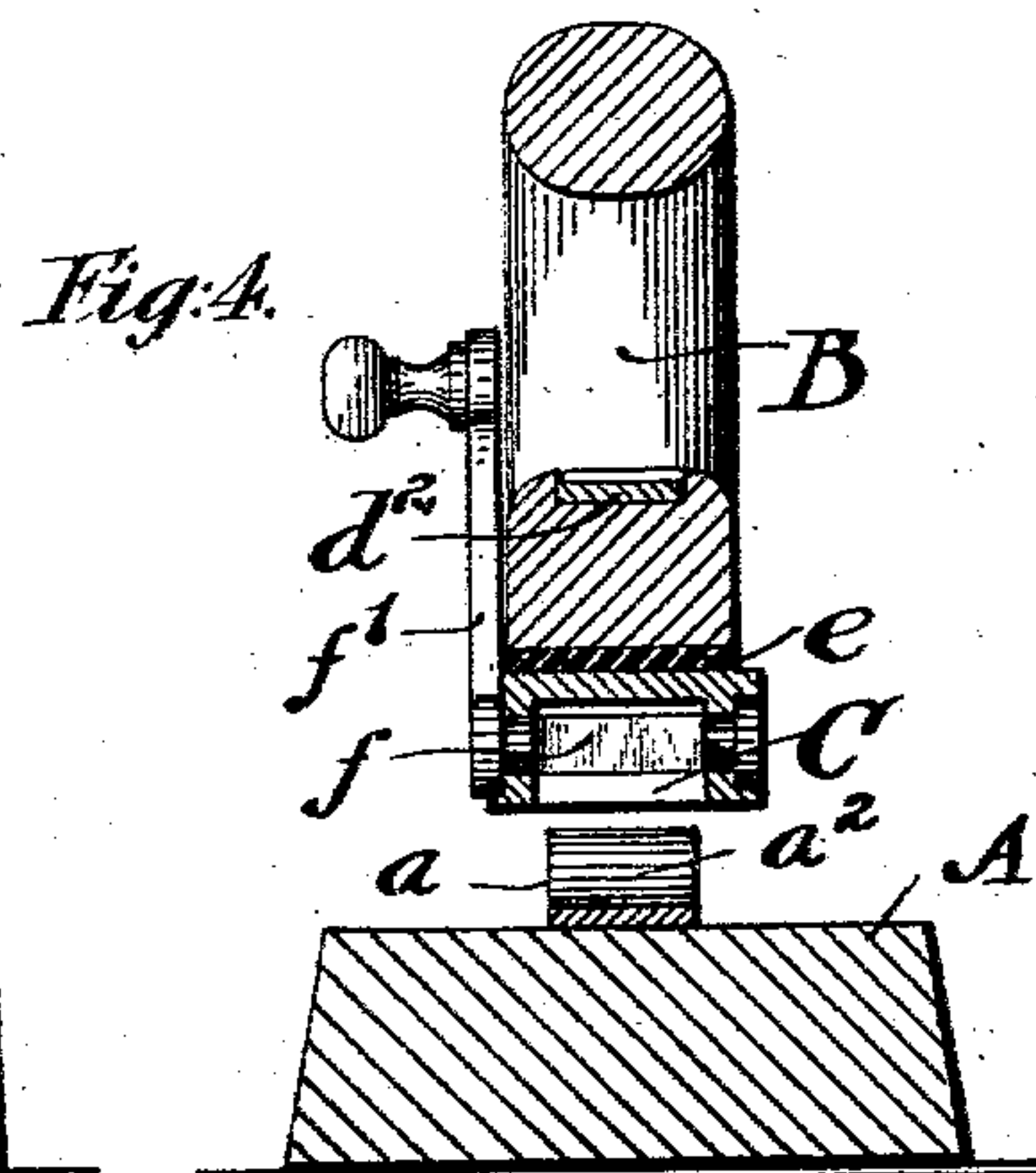
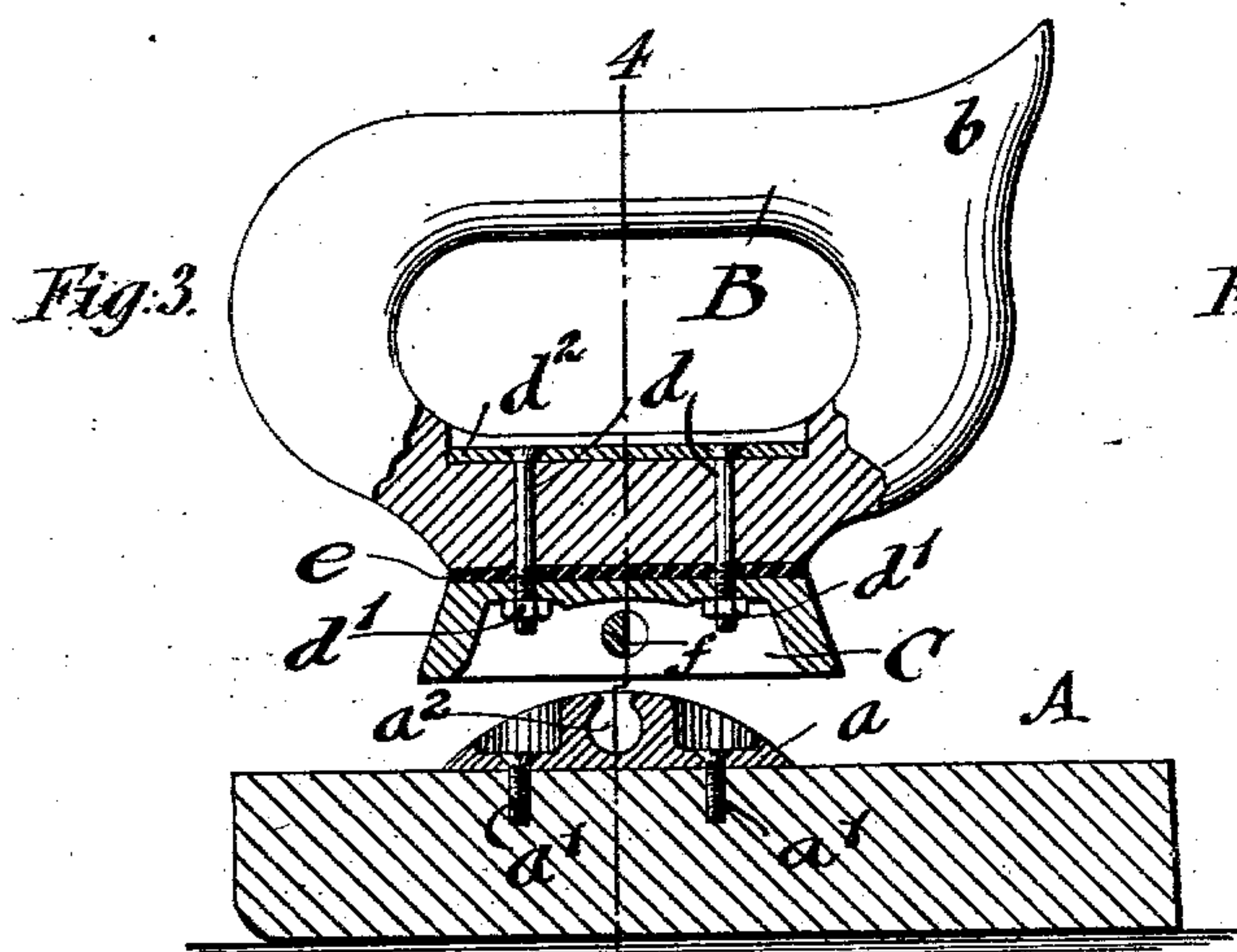
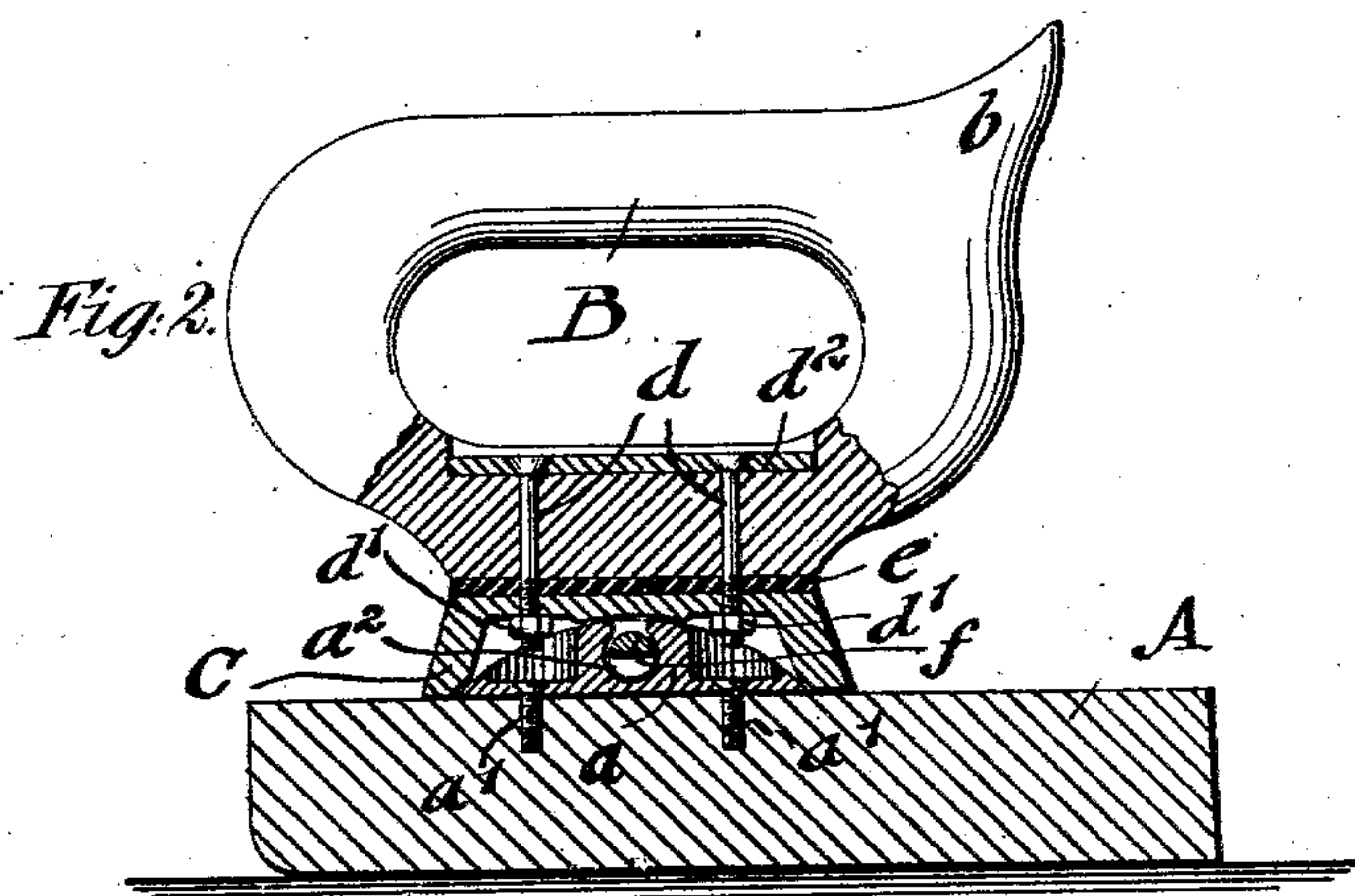
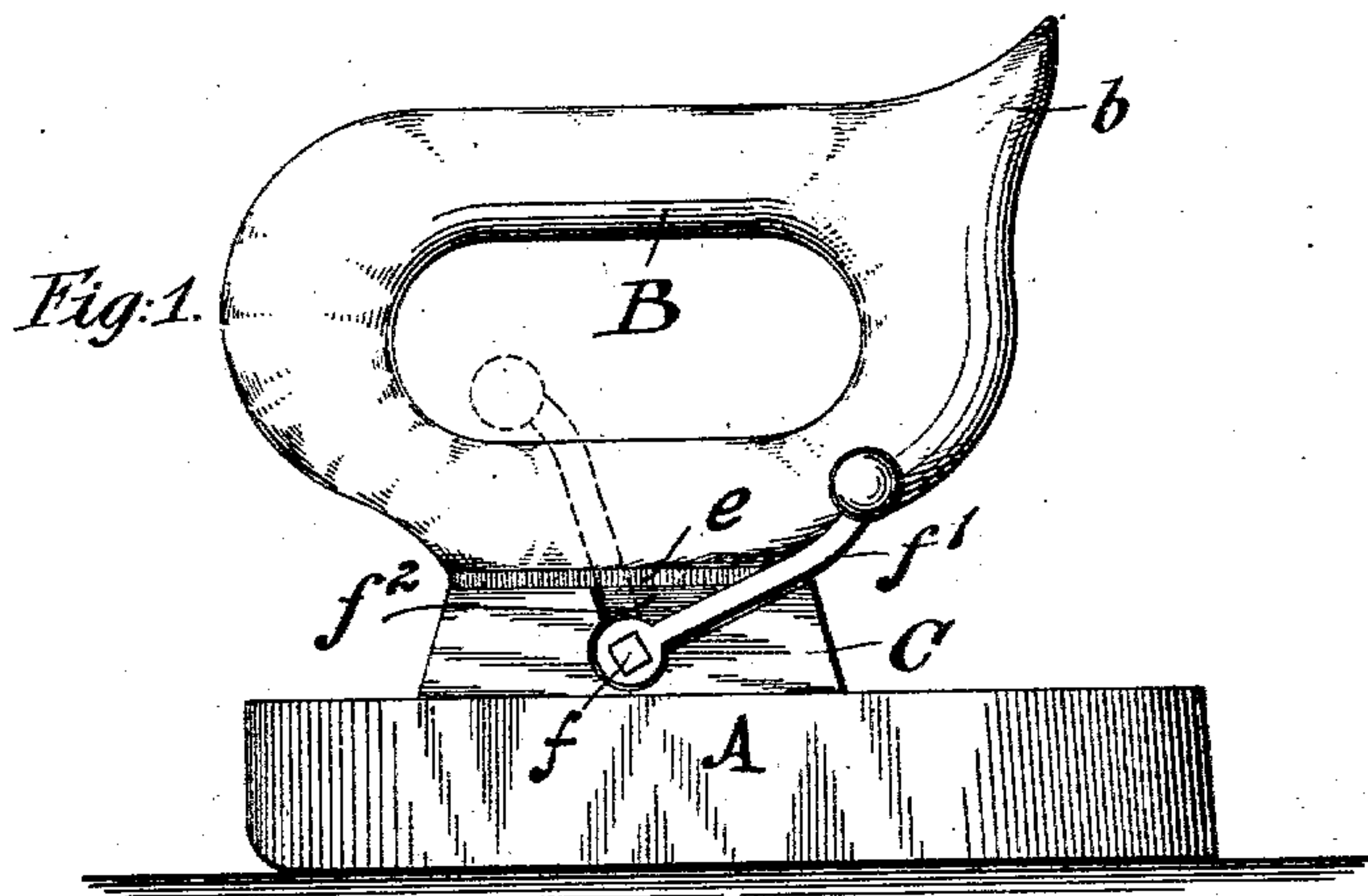


E. BLECHMANN.

SAD IRON.

(Application filed Mar. 6, 1902.)

(No Model.)



WITNESSES:

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EWALD BLECHMANN, OF BEYENBURG, GERMANY.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 704,775, dated July 15, 1902.

Application filed March 6, 1902. Serial No. 96,910. (No model.)

To all whom it may concern:

Be it known that I, EWALD BLECHMANN, a citizen of the Empire of Germany, residing in Beyenburg i. W., in the Empire of Germany, have invented certain new and useful Improvements in Sad-Irons, of which the following is a specification.

This invention relates to certain improvements in sad-irons by which the handle can be readily locked to or detached from the iron by means of a comparatively simple and easily-operated locking device, so that the iron can be placed on a stove for heating with the handle detached or removed by the handle for use; and for this purpose the invention consists of a sad-iron the handle of which is provided at its lower part with a hollow base and provided with a transverse bolt of segmental cross-section that is pivoted to said hollow base and turned on its axis by an exterior handle, so as to be locked to a transversely-grooved projection on the top of the iron, as will be fully described hereinafter, and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of my improved sad-iron, showing the handle in position on the iron. Fig. 2 is a vertical longitudinal section of Fig. 1. Fig. 3 is also a vertical longitudinal section showing the handle as detached from the iron; and Fig. 4 is a vertical transverse section on line 4 4, Fig. 3.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a sad-iron of any suitable size and shape, which is provided at its upper part with a segmental projection *a*, that is attached by means of bolts *a'*, set into countersunk recesses of the projection *a*, to the body of the iron or cast integral therewith. The projection *a* is provided with similarly-disposed locking-lips, that are formed by a transverse recess *a²* of circular cross-section, that is located between the bolts *a'*. The handle B is made of wood or other suitable material and provided at its upper front part with a thumb-rest *b* and at its lower part with a hollow base C of cast metal, that is attached by bolts *d* to the under side of the handle, said bolts being secured by fastening-screw nuts *d'*, which are

applied to the lower ends of the bolts *d*, while the heads are supported in countersunk recesses of a washer-plate *d²* in the lower part of the handle, as shown clearly in Figs. 2 and 3. A layer *e*, of asbestos paper, felting, or other non-conducting material, is interposed between the lower part of the handle B and the hollow base C of the same, so that the heat is prevented from passing from the iron to the handle and to the hand of the person using the iron. The hollow base C is made large enough to extend over the projection *a* on the iron A and to fit tightly to the top of the same, said hollow base being provided with a transverse bolt *f* of approximately semicircular cross-section, the ends of which turn in bearings in the side walls of the base C, one of said ends being provided with a crank-handle *f'*, by which the bolt is turned into upright or horizontal position. The motion of the crank-handle *f'* is limited by an angular side recess *f²* in the side wall of the hollow base C, so that the crank-handle of the interlocking bolt *f* can be placed either in upright position, as shown in dotted lines, or in forwardly-inclined position, as shown in full lines in Fig. 1. In the raised position of the crank-handle *f'* the bolt is in a position to be inserted between the locking-lips into the transverse recess *a²* of the projection *a'*, while in the second position it is in position to interlock with the locking-lips at their underside and hold thereby the base C and handle B rigidly in position on the iron. When the sad-iron is placed on the stove for being heated, the handle is detached by lifting the crank-handle *f'*, so that the bolt *f* is placed in vertical position, as shown in Fig. 3, and can readily be withdrawn from the transverse recess *a²*. The handle is then placed on another heated iron, so that the bolt being in vertical position passes into the transverse recess of its projection *a'*, after which the crank-handle is turned and the bolt placed in horizontal position, so as to lock the handle to the sad-iron, which is then ready for use.

By means of the locking-bolt and recess the handle can be readily detached from a cold iron and attached to a hot iron, as required in ironing, by the simple turning of the crank-handle, so that the connection between the

handle and the iron is quickly and conveniently established or interrupted by the user of the iron.

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

1. The combination, with a sad-iron having a projection on its top, said projection having similarly-disposed locking-lips, of a handle
10 having a hollow base, a transverse locking-bolt mounted in said base, said locking-bolt being adapted to pass in one position between said locking-lips and to engage therewith in another position and means for operating said
15 locking-bolt, substantially as set forth.

2. The combination, with a sad-iron having a projection at its upper part provided with a transverse recess, of a detachable handle provided with a hollow base, said base extending
20 over the projection on the sad-iron, a transverse locking-bolt of segmental cross-section turning in said hollow base, and an exterior

crank-handle attached to one end of said bolt and adapted to turn it on its axis for locking the handle to or detaching it from the sad-
25 iron, substantially as set forth.

3. The combination, with a sad-iron provided with a segmental projection on its top part, said projection having a transverse recess, of a handle, a hollow base attached to
30 the lower part of said handle, a transverse segmental bolt turning in said base, an exterior crank-handle attached to one end of the locking-bolt, and an exterior angular recess in the side wall of the hollow base adapted
35 for limiting the movement of the handle and bolt, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

EWALD BLECHMANN.

Witnesses:

OTTO KÖNIG,

EMIL BLOMBERG.