(No Model.)

F. J. PRIBYL.

SAD IRON.

No. 557,227. Patented Mar. 31, 1896.

Fig. 1.

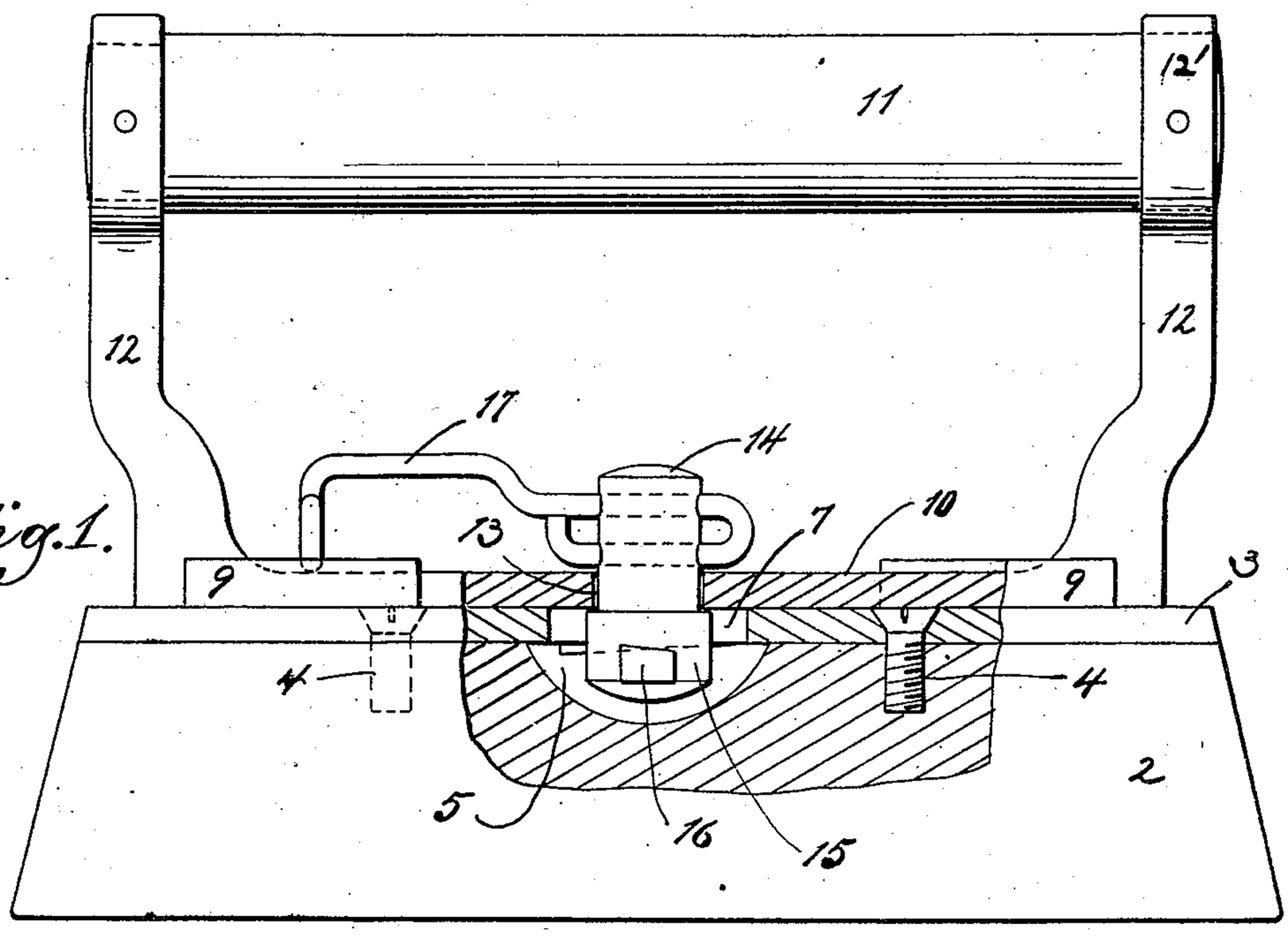


Fig. 2.

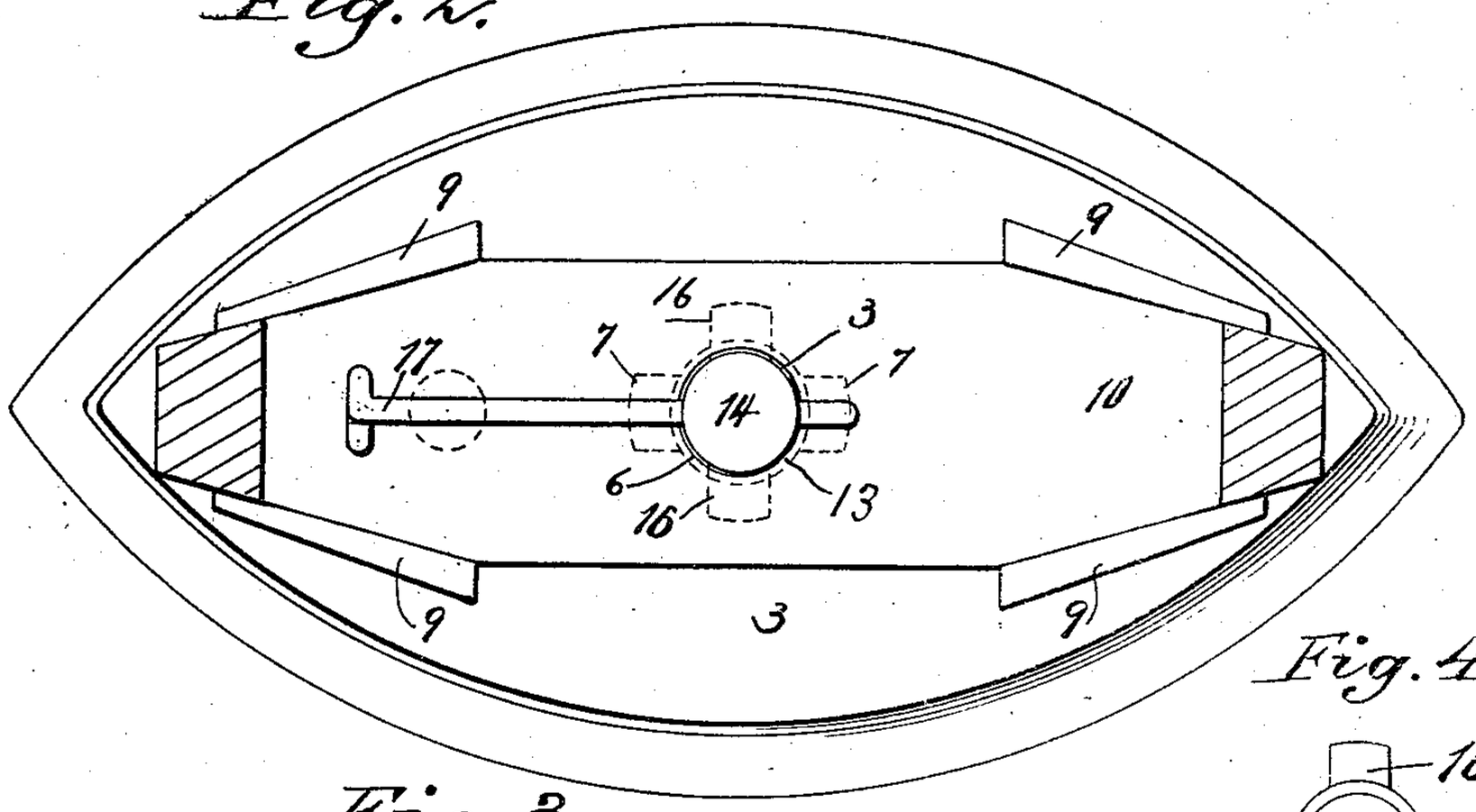


Fig. 3.

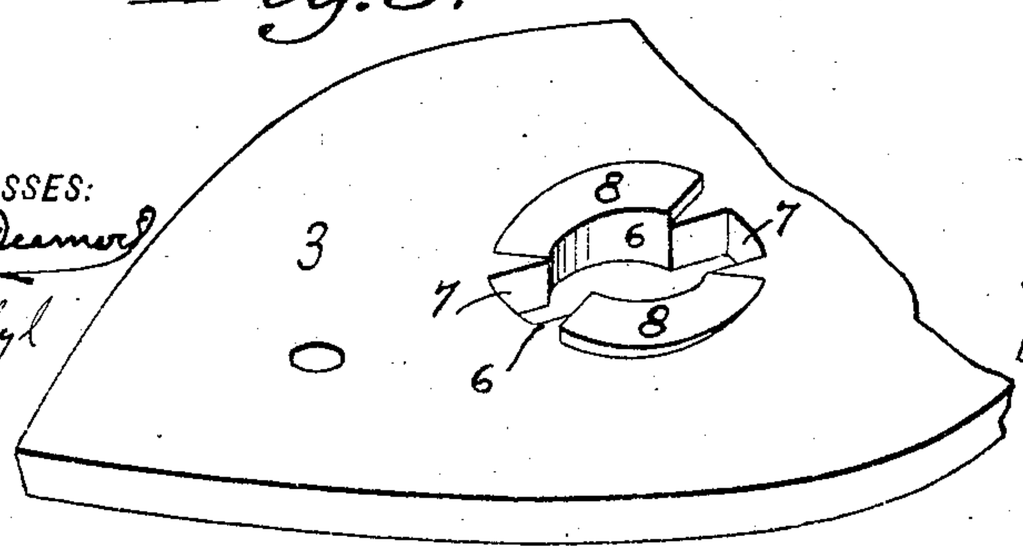
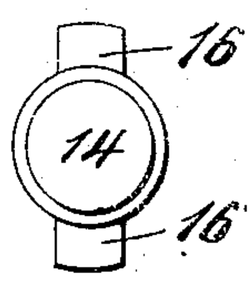


Fig. 4.



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SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 557,227, dated March 31, 1896.

Application filed March 9, 1895. Serial No. 541,142. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS J. PRIBYL, a citizen of the United States, and a resident of Hazleton, county of Luzerne, and State of Pennsylvania, have invented certain new and useful Improvements in Sad-Irons, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar numerals of reference indicate corresponding parts in all the figures.

My invention relates to sad-irons, and the object thereof is to provide new and improved means for attaching the handle to the iron, which shall be simple in construction and operation, perfectly reliable and not likely to get out of order in use.

In the drawings forming part of this specification, Figure 1 is a view in elevation of a sad-iron provided with my improvement; Fig. 2, a top plan view, the handle proper being cut away; Fig. 3, a view of the under side of the top plate of the iron, and Fig. 4 a detail of the attaching device.

Referring to the drawings, the numeral 2 designates the body of the sad-iron, and 3 the usual top plate or cover secured to the body 2, preferably by screws 4.

The upper surface of the body-piece 2 is provided with a circular cavity 5 at about the center thereof, and the top plate or cover 3, immediately over the cavity, is provided with a central circular opening 6, the opposite sides of which, on a line parallel with the handle, are provided with recesses or chambers 7. (Shown in Fig. 3 and in dotted lines in Fig. 2.)

On the transverse sides of the circular opening 6, between the recesses 7 on the lower side of the plate 3, are formed inclined lugs or shoulders 8, which extend practically from one of said recesses to the other, the upward inclination of one being in a direction opposite to that of the other, as clearly shown in Fig. 3.

The upper surface of the plate or cover 3 is also provided with four shoulders or lugs 9, arranged in pairs at the opposite ends thereof, the object of which is to receive and hold in position the base-plate 10 of the frame or support for the wooden handle 11, which consists of said base 10 and the uprights or standards 12, the hole at 12′ in the top of one of said standards being enlarged to admit of inserting the handle therethrough.

The base-plate 10 of the handle-support is provided centrally with a circular opening 13, which registers with the central opening 6 in the plate 3, and through which is inserted, from below, the upper portion of a locking-plug 14, which is provided at its lower end with a head 15, of greater diameter than the upper portion, as clearly shown in Fig. 1.

The head of the locking-plug 14 is provided on opposite sides with projections or lugs 16, one of which is shown in Fig. 1, and both of which are shown in dotted lines in Fig. 2.

Through the upper end of the plug 14 is passed, by means of a perforation in said plug, one end of a spring-arm 17, which is then turned and bent upon itself, passed through another perforation in the plug, below the other perforation, and curved upon itself, as shown in Fig. 1, the arm being thus securely held in place and in a line at right angles to the direction of the lugs 16 on the locking device and in line with the recesses 7 in the top plate, when the lock is in position and the handle attached. The outer or free end of the spring-arm 17 is provided with a ring or loop and extends to a point adjacent to the upright or standard 12 and about midway between the shoulders or projections 9, which are higher than the plate 10.

The parts are assembled in the following manner: The plate 3 being secured in position and it being desired to attach the handle-frame, the spring-arm 17 is turned in a direction at right angles to the handle, which is then manipulated to place the base-plate 10 of the handle-frame in its proper position, as shown in Fig. 1, where it is held in perfect alinement by means of the shoulders or projections 9. When the base-plate is thus placed, the head 15 of the locking-plug 14 will enter or pass through the central opening 6 in the top plate or cover 3, the lugs or projections 16 on said head passing through the recesses 7 formed in the side walls of said central opening. When in this position, it is only necessary to take hold of the spring-arm 17 and swing it around to the position shown in Fig. 1, to do which slight force will have to be applied to lift it over one of the shoulders or projections 9, where it will remain by

the spring-pressure of the arm itself, and from which it cannot be removed except intentionally and by the exertion of sufficient force to lift the end ring thereof over the shoulder 9, against the spring action of the arm.

In moving the arm 17 to the position shown, as above described, the projecting lugs 16 on the head of the plug 14 are carried around and up over the upwardly-inclined surfaces of the shoulders 8 on the under surface of the plate 3 into the position shown in Fig. 1, thus locking the base-plate of the handle-frame and the top plate 3 of the iron-body securely together, in which position they are securely held till it is desired to remove the handle, when the operation of the arm 17, hereinbefore described, is reversed, the same being lifted from its position and carried around at right angles to the handle, when the handle-frame may be lifted from its position, the lugs 16 on the head of the locking-plug passing through the recesses 7 in the plate 3.

Having fully described my invention, I claim, and desire to secure by Letters Patent, the following:

A sad-iron, comprising a body-piece having a central cavity therein, a top plate secured on said body-piece and provided with a central opening, said opening having oppositely-arranged recesses 7, the shoulders 8 on the under side of the top plate, a removable handle-frame having a base-plate 10 adapted to be arranged on the top plate and having an opening registering with the opening in the top plate, the lugs 9 on said top plate fitting snugly against the base-plate of the handle and projecting above the same when the latter is arranged in place, a locking-plug arranged in the openings in the top and base plates and provided with two projections 16 and adapted to ride upon the shoulders 8, and a spring-arm 17 passed through an opening in the locking-plug, one end of said spring-arm being turned and bent upon itself and passed through another opening in the plug and then curved upon itself, and the outer end being provided with a loop and arranged between the lugs 9 when the base-plate is locked in position, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 1st day of March, 1895.

FRANCIS J. PRIBYL.

Witnesses:
JOHN F. PRIBYL,
HIRAM E. SUTHERLAND.