

No. 840,043.

PATENTED JAN. 1, 1907.

J. R. COCHRAN.
SAD IRON HANDLE.
APPLICATION FILED OCT. 18, 1905.

Fig. 1.

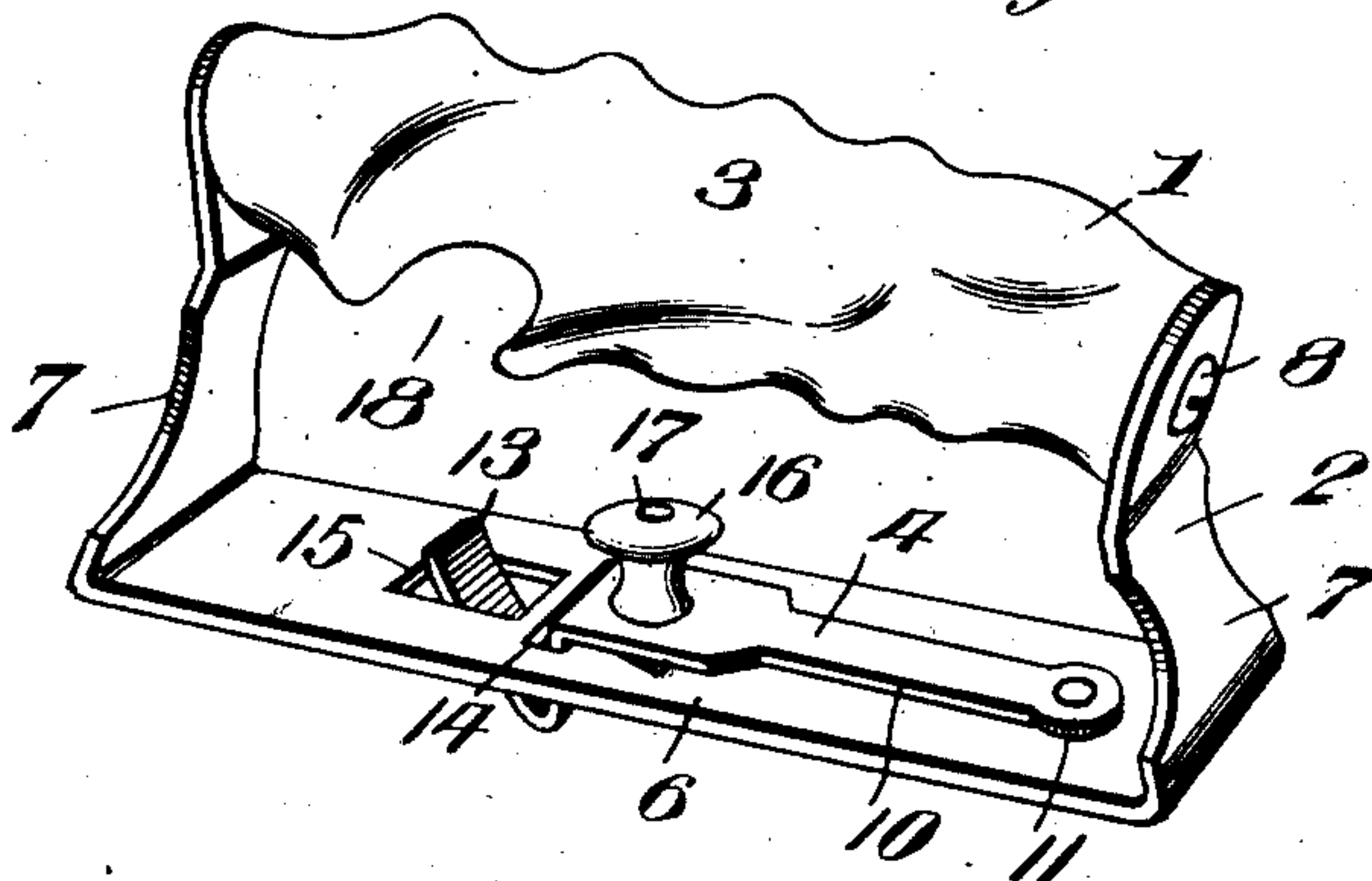


Fig. 4.

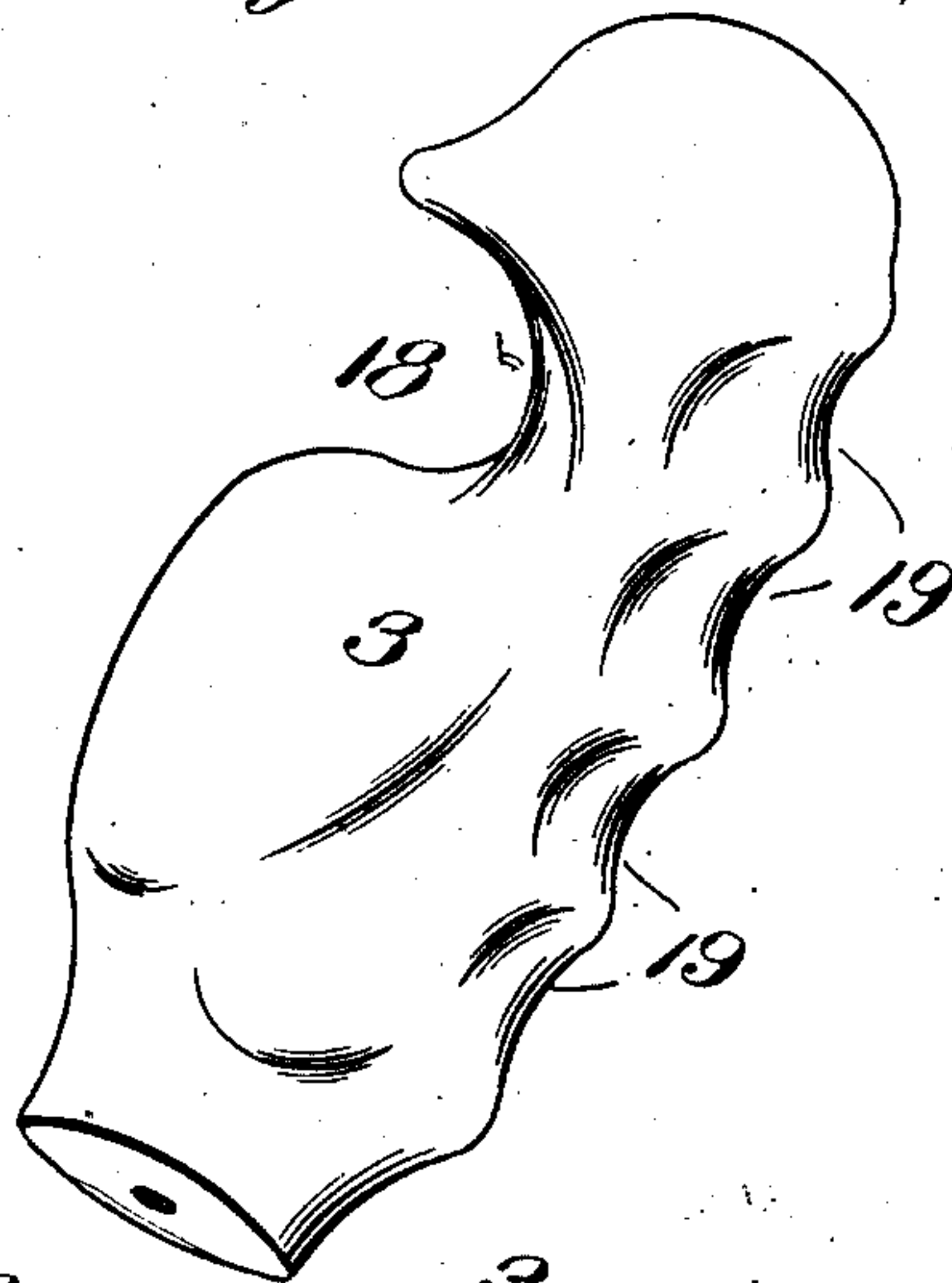


Fig. 3.

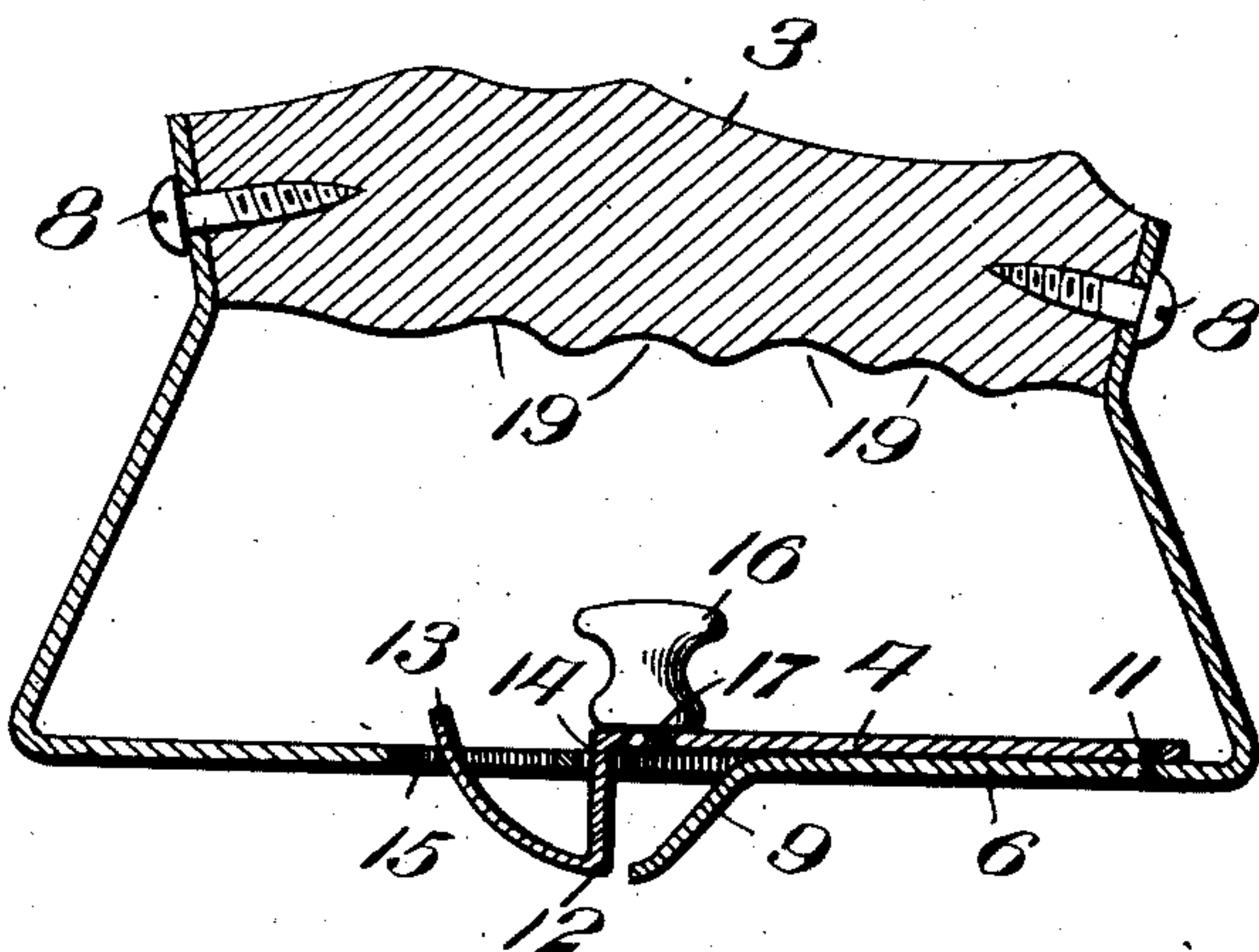
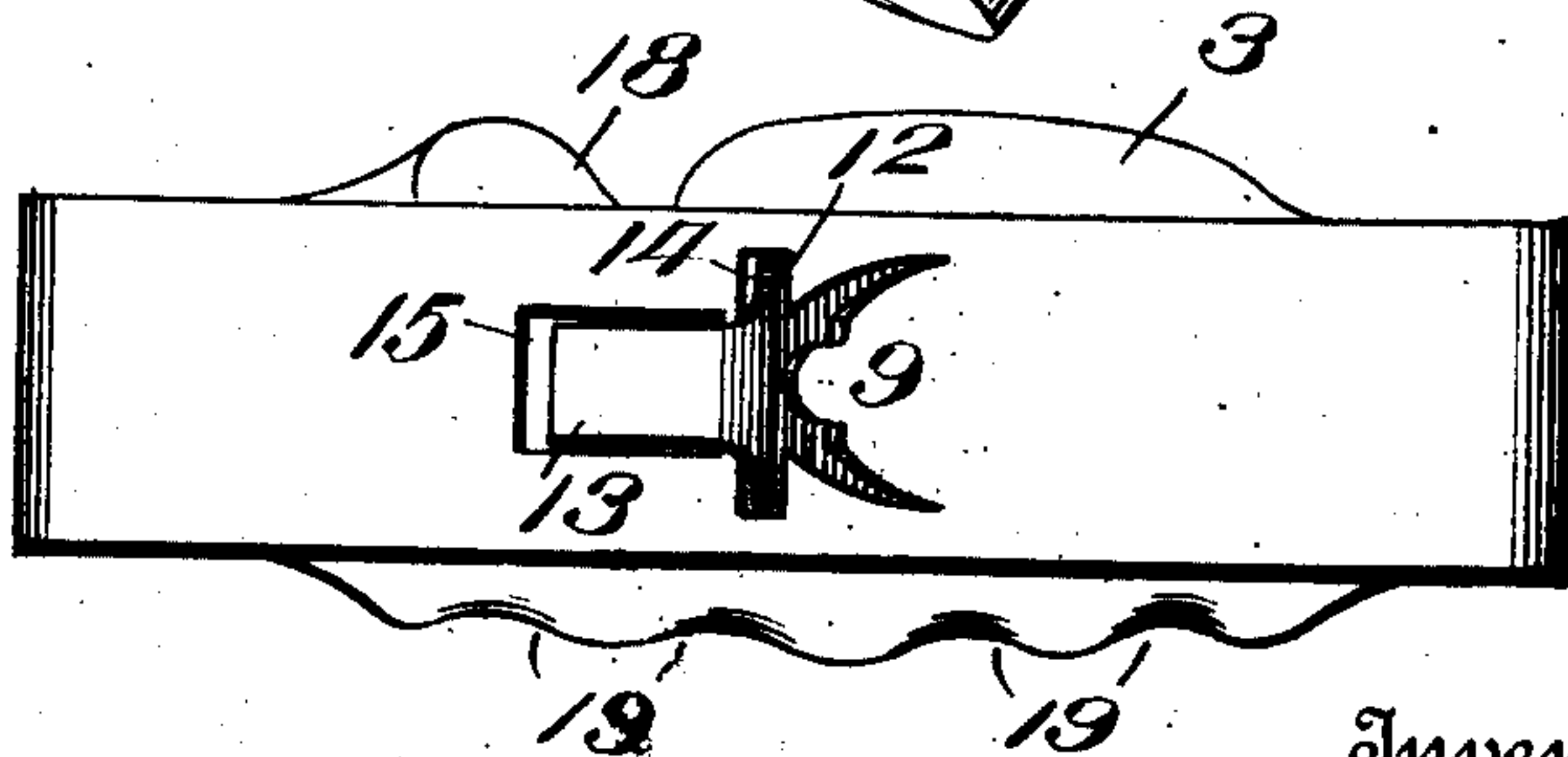


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES R. COCHRAN, OF SILVERSTAR, MONTANA.

SAD-IRON HANDLE.

No. 840,043.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed October 16, 1905. Serial No. 282,997.

To all whom it may concern:

Be it known that I, JAMES R. COCHRAN, a citizen of the United States, residing at Silverstar, in the county of Madison and State of Montana, have invented certain new and useful Improvements in Sad-Iron Handles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in handles, and more particularly to detachable handles for use on sad-irons and the like.

One object of the invention is to provide a handle of this character which will be of simple, strong, and durable construction and comparatively inexpensive to manufacture.

Another object of the invention is to provide a handle with a hand-grip shaped to fit the hand, so that continued use of it will not cramp or blister the hand.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved sad-iron handle. Fig. 2 is a bottom plan view. Fig. 3 is a vertical longitudinal sectional view, and Fig. 4 is a perspective view of the hand-grip removed from the handle-frame.

Referring to the drawings by numeral, 1 denotes my improved handle adapted to be detachably connected to a sad-iron or any similar object and consisting of a handle-frame 2, a hand-grip 3, and a spring-catch 4. The frame 2 is formed of a single piece of sheet-steel or other suitable metal by cutting and bending the same, as shown. This frame consists of a straight portion 6, having its ends 7 bent upwardly and inwardly and apertured to receive screws or similar fastenings 8, which enter the ends of the hand-grip 3. The handle-frame 2 is adapted to be attached to a sad-iron by means of a hook 9, which is formed integral with the frame by stamping it from the central portion 6 of the frame, as clearly shown in Fig. 3 of the drawings. The hook 9 is held in engagement with the usual keeper upon the sad-iron by means of a spring-catch 4. The latter is made of a

single piece of resilient metal which has one of its ends reduced, as at 10, and secured by a rivet 11 at one end of the portion 6 of the handle-frame and its other end bent at right angles, as at 12, and then upwardly, as at 13. The portion 12 of the catch coacts with the hook 9 to secure the handle on the iron and projects through and is guided in a transverse slot 14, formed in the portion 6 of the handle-frame, as clearly shown in Fig. 2 of the drawings. The end 13 of the catch is curved and projects upwardly through a longitudinal slot 15, formed adjacent to the slot 14. To permit the catch to be readily elevated to release the hook 9, I provide a knob or finger-piece 16, which, as shown, is secured, by means of a rivet 17, upon the top of the catch.

The hand-grip 3, which may be of wood or any other suitable material, is shaped to fit the hand when the latter is in its closed position. It consists of a body having upon one side a comparatively deep recess or depression 18 to receive the thumb and upon its other side and its bottom a series of recesses or grooves 19, shaped to receive the four fingers. By making the hand-grip in this form no part of the hand when grasping it will be in a cramped or unnatural position, and as a result the device will not cause blistered or callous places upon the hand.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

A sad-iron handle comprising a metallic plate having an intermediate portion and upturned end portions, said intermediate portion having an opening, a transverse slot near the inner end of said opening and having a downturned integral hook near said slot and on the side thereof opposite said opening, a hand-grip connecting the upturned ends of said plate, and a spring-plate on the inter-

mediate portion of the first-mentioned plate
having one end secured thereto and having
its opposite end bent downwardly through
the slot and curved upwardly and outwardly
5 through said opening, substantially as de-
scribed.

In testimony whereof I have hereunto set

my hand in presence of two subscribing wit-
nesses.

JAMES R. COCHRAN.

Witnesses:

WILLIAM H. THOMPSON,
B. FRANK PHILLIP.