

No. 706,812.

Patented Aug. 12, 1902.

W. B. FENN.
HANDLE FOR SAD IRONS.

(Application filed Sept. 28, 1901.)

(No Model.)

2 Sheets—Sheet 1.

FIG. 1.

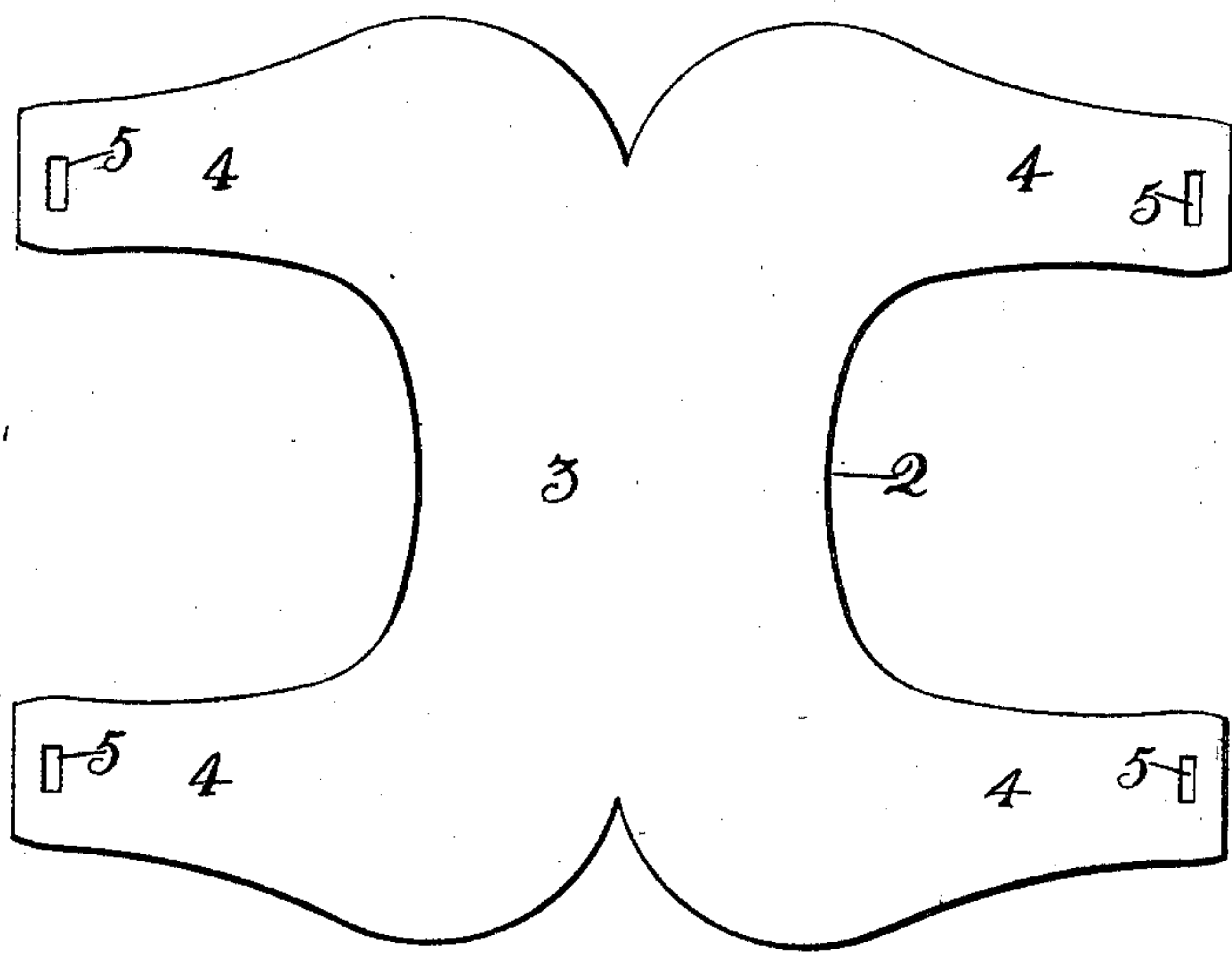


FIG. 2.

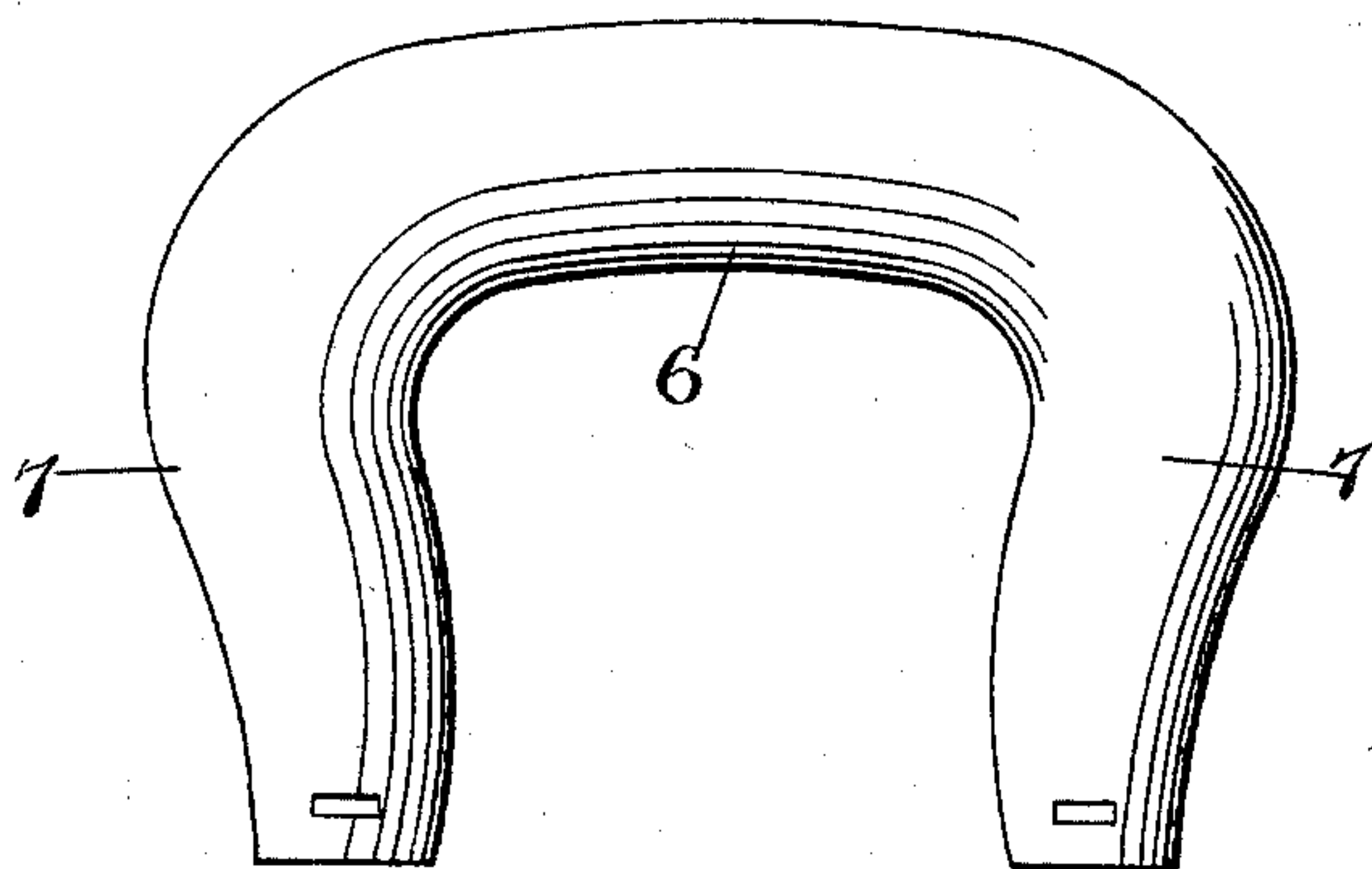


FIG. 3.

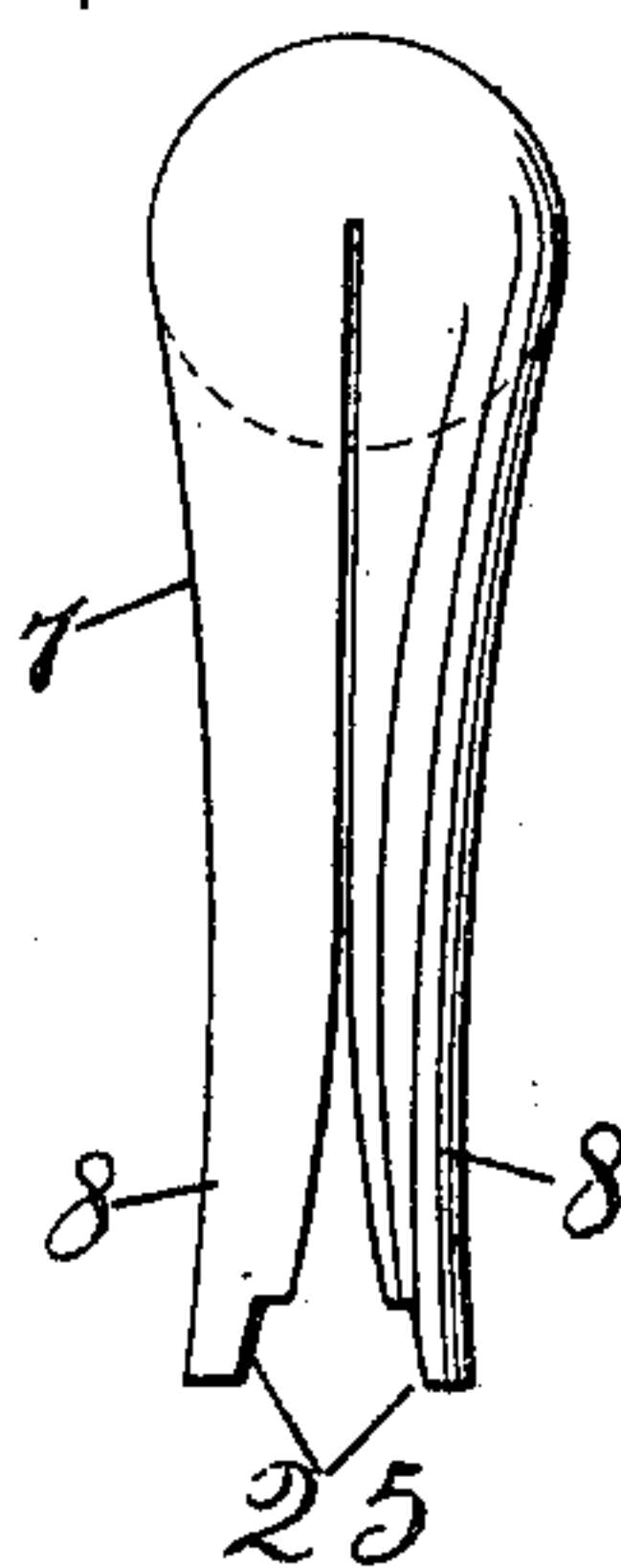
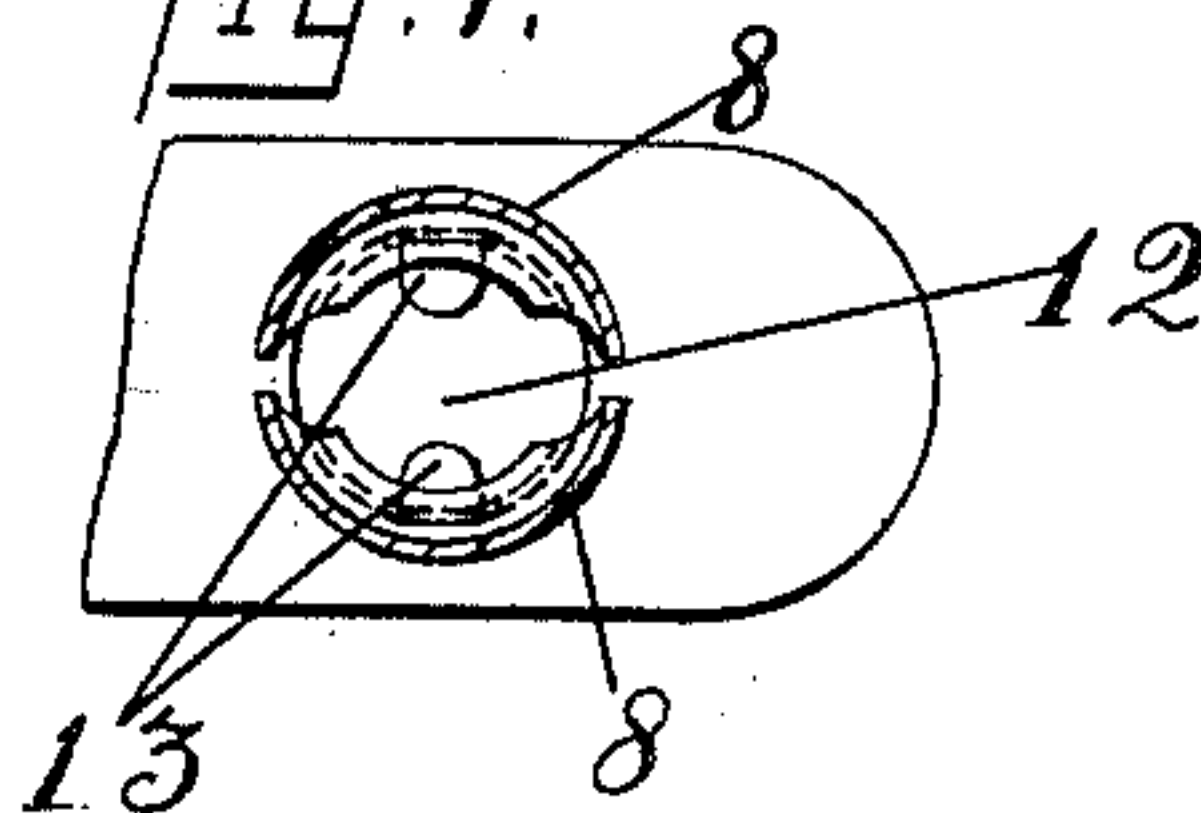


FIG. 7.



WITNESSES

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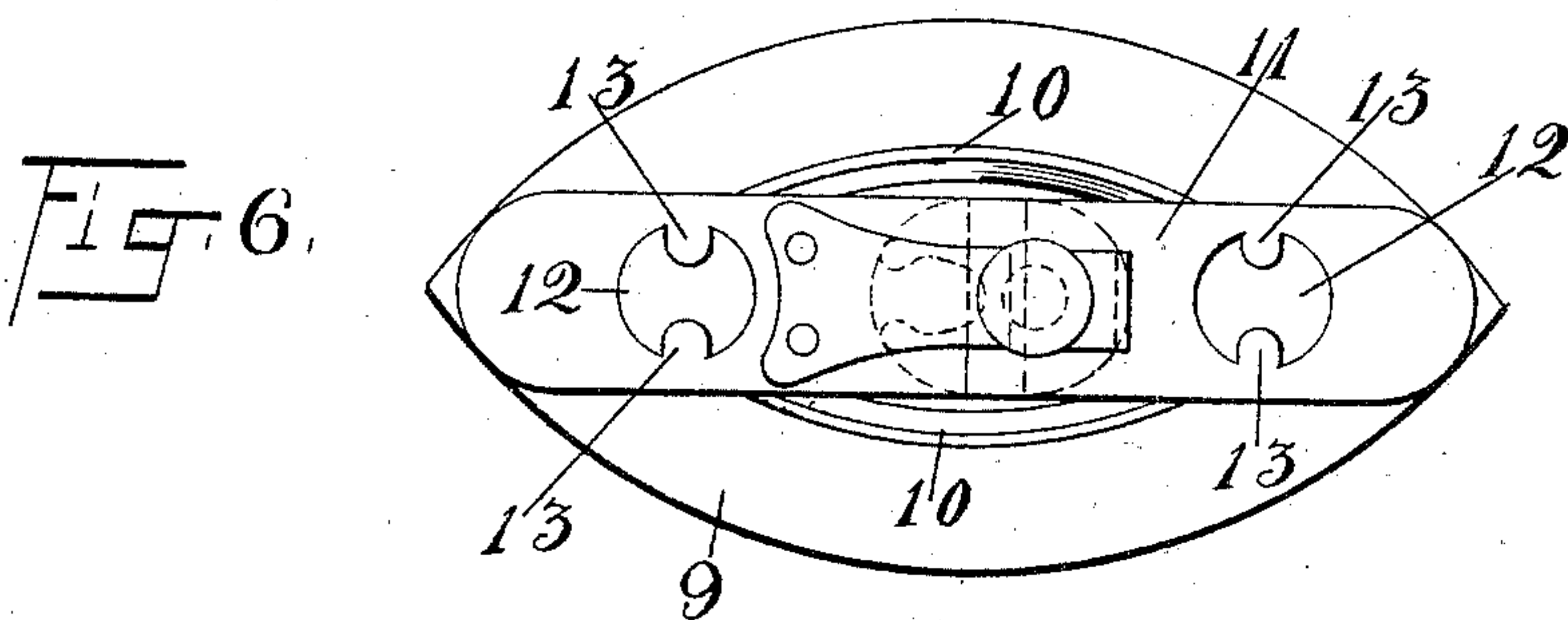
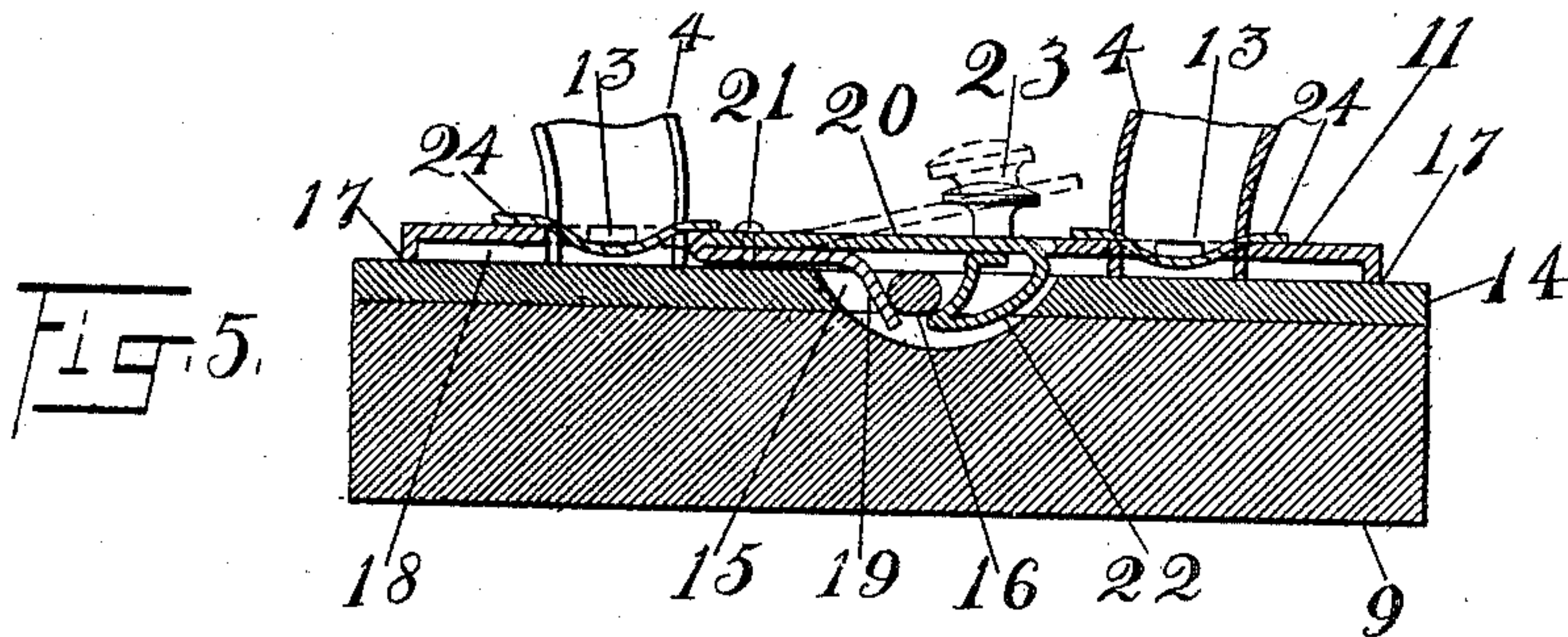
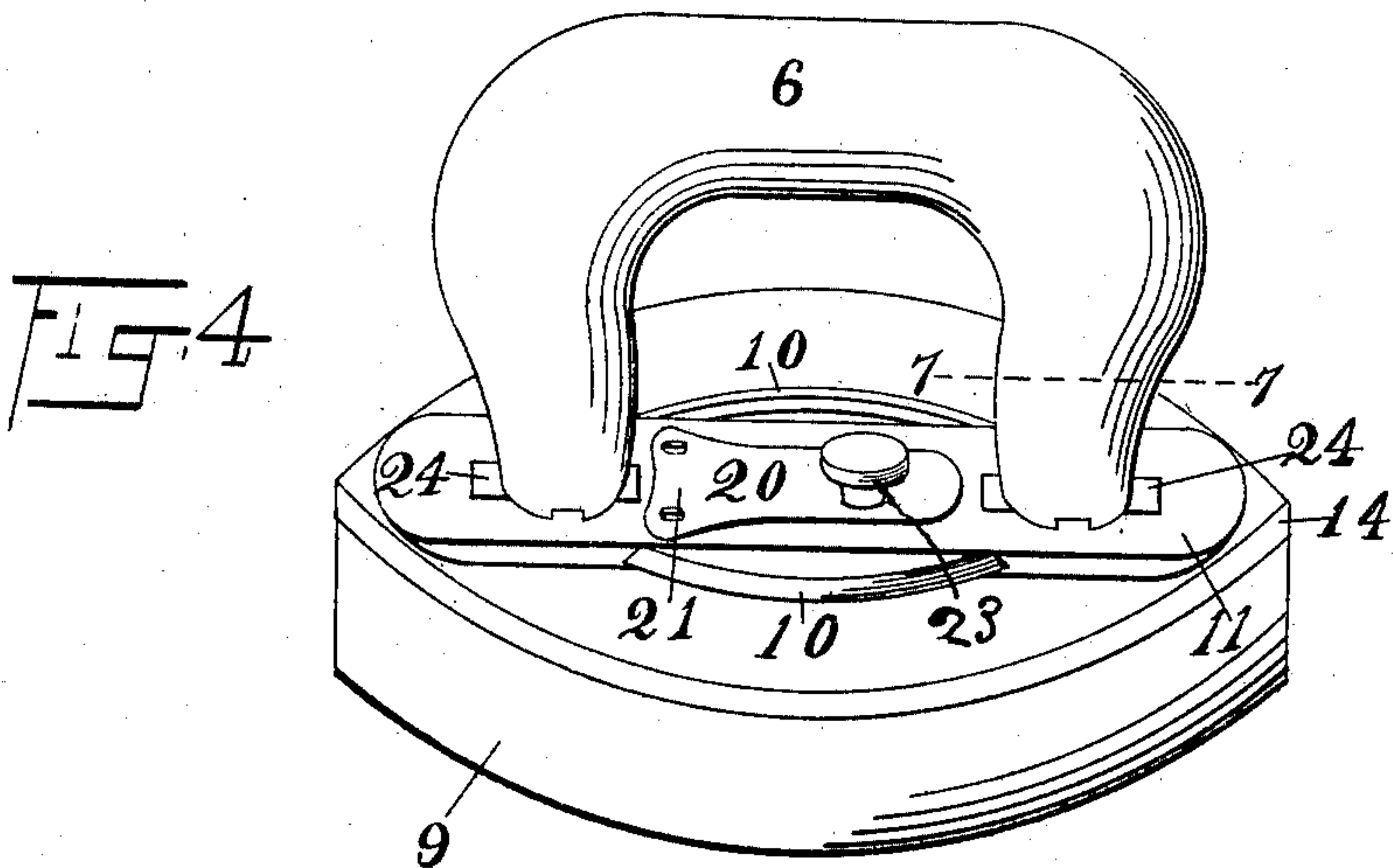
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2 Sheets—Sheet 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM BEACH FENN, OF WILKESBARRE, PENNSYLVANIA, ASSIGNOR TO
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HANDLE FOR SAD-IRONS.

SPECIFICATION forming part of Letters Patent No. 706,812, dated August 12, 1902.

Application filed September 28, 1901. Serial No. 76,901. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BEACH FENN, a citizen of the United States, residing at Wilkesbarre, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Handles for Sad-Irons, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved handle for sad-irons and improved means for connecting the same with the iron and also to provide a sad-iron handle which is simple in construction and which will not overheat and which is detachable from and easily connected with the iron, a further object being to provide a sad-iron handle which is stamped from a single sheet of metal formed entirely of one piece; and with these and other objects in view the invention consists in the construction, combination, and arrangements of parts hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by the same reference characters in each of the views, and in which—

Figure 1 is a plan view of a blank from which my improved sad-iron handle is formed; Fig. 2, a side view of the handle formed from said blank; Fig. 3, an end view thereof; Fig. 4, a perspective view of an iron with the handle attached thereto; Fig. 5, a longitudinal central section of the iron and the plate with which it is connected, the upper part of the handle being omitted; Fig. 6, a plan view of the device as shown in Fig. 5, and Fig. 7 a transverse section of one end of the handle on the line 7 7 of Fig. 4.

In the practice of my invention I stamp from any suitable sheet metal a blank 2, (shown in Fig. 1,) and this blank comprises a body portion 3 and four oppositely-directed end leg portions 4, each of which is provided near the end with a transverse opening 5, and this blank in practice is stamped into a complete handle. The body portion 6 of this handle is hollow in form and circular in cross-

section, and the upper end portions of the legs thereof at 7 are also hollow in form and substantially cylindrical in cross-section, and the lower end or bottom portions of the legs are segmental in cross-section, as shown at 8 in Fig. 7.

In Figs. 4, 5, and 6 of the drawings I have shown an ordinary sad-iron 9, the top of which is provided with parallel or other keepers 10, which form a space adapted to receive the handle-plate 11, and this handle-plate 11 is provided near its opposite ends with openings 12, designed to receive separate parts of the legs of the handle, and said openings are provided at their opposite sides with inwardly-directed lugs or projections 13, designed to enter the openings 5 in the separate parts of the legs of the handle.

In forming the handle, as shown in Figs. 2 and 3, the separate parts of the legs are curved outwardly at the bottom, and in practice in connecting the handle with the plate 11 these legs are sprung into the openings 12 and forced downwardly until the lugs or projections 13 enter the openings 5, and this operation securely locks the handle to the plate 11.

The iron 9 is provided with the usual top plate 14, which may be secured thereto in any desired manner, and this top plate is provided with a central opening 15, having a transverse bar 16, and the handle-plate 11, which is preferably cast, is provided with downwardly-directed side and end flanges 17, forming a bottom space 18, which extends the full length of the said plate, and said plate is also provided approximately centrally thereof with a downwardly-directed hook 19, which is adapted to engage one side of the bar 16, and secured to the top of said plate over the hook 19 is a spring 20, which is secured at 21 and which is provided at its free end with a downwardly-directed hook portion 22, adapted to engage the opposite side of the bar 16, and said spring is provided on its upper side with a knob or head 23.

It will be understood that the plate 14 is permanently secured to the bottom 9, and in connecting the handle-plate 11 with the iron all that is necessary is to clasp the body portion 6 of the handle in one hand and raise the spring 20 by catching hold of the knob or

head 23 with two of the fingers, and then by placing the handle-plate in the position shown in Fig. 4 and releasing the spring 20 the cross-bar 16 will be engaged by the hooks 19 and 22 and the handle-plate and handle will be secured to the iron, and the said handle-plate and handle may be removed from the iron or detached therefrom by simply reversing this operation.

10 In practice I also prefer to employ as an additional means for securing the handle to the handle-plate narrow spring-plates 24, which are driven into position across the openings 12 beneath the lugs or projections 13 and 15 which fit in notches or recesses 25 in the adjacent faces or sides of the lower ends 8 of the separate side portions of the legs of the handle, and these spring-plates serve to permanently separate the bottom of the leg portions and to hold them in engagement with 20 the lugs or projections 13, and the handle is thus permanently secured to the plate 11.

My invention is not limited to the particular means herein shown and described for 25 locking the handle-plate 11 to the plate 14, as modifications of this device may be made without departing from the spirit of my invention or sacrificing its advantages, and other changes in the construction herein described may also be made without departing 30 from the scope of my invention.

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

35 1. A handle for sad-irons composed of a blank of sheet metal comprising a central body portion and oppositely-directed end portions 4, said blank being adapted to be formed into a handle, the central body portion and the 40 legs of which are tubular in cross-section, and

the legs of which are split from the body upwardly, substantially as shown and described.

2. A handle for sad-irons formed from a blank of sheet metal comprising a central body portion 3 and oppositely-directed leg portions 4 at each end thereof, said parts being adapted to be folded so as to form a tubular handle and tubular leg portions, the handle portion and leg portions being gradually curved at the outer and inner sides thereof 50 and the leg portions being split from the bottom upwardly so as to form spring side portions, substantially as shown and described.

3. The combination with a handle-plate for sad-irons provided with holes to receive the 55 legs of a handle, of a tubular handle provided with tubular legs composed of separate spring side portions and the ends of which are adapted to be inserted into said holes and means for securing said legs in said holes, substan- 60 tially as shown and described.

4. A handle-plate for sad-irons provided with openings 12 having inwardly-directed lugs or projections 13, at their opposite sides, and a hollow detachable handle, the legs of 65 which are split from the bottom upwardly and adapted to be inserted into said openings 12, said legs being also provided at their lower ends with openings 5 adapted to receive the lugs or projections 13, substantially as 70 shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 20th day of September, 1901.

WILLIAM BEACH FENN.

Witnesses:

JAMES GARDNER SANDERSON,
FRANK J. MCANDREWS.