

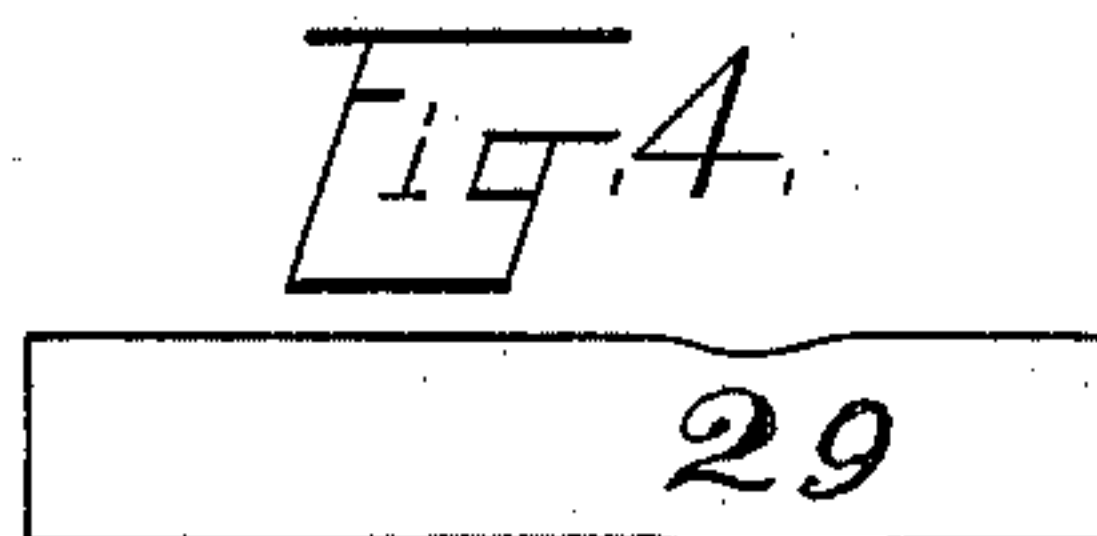
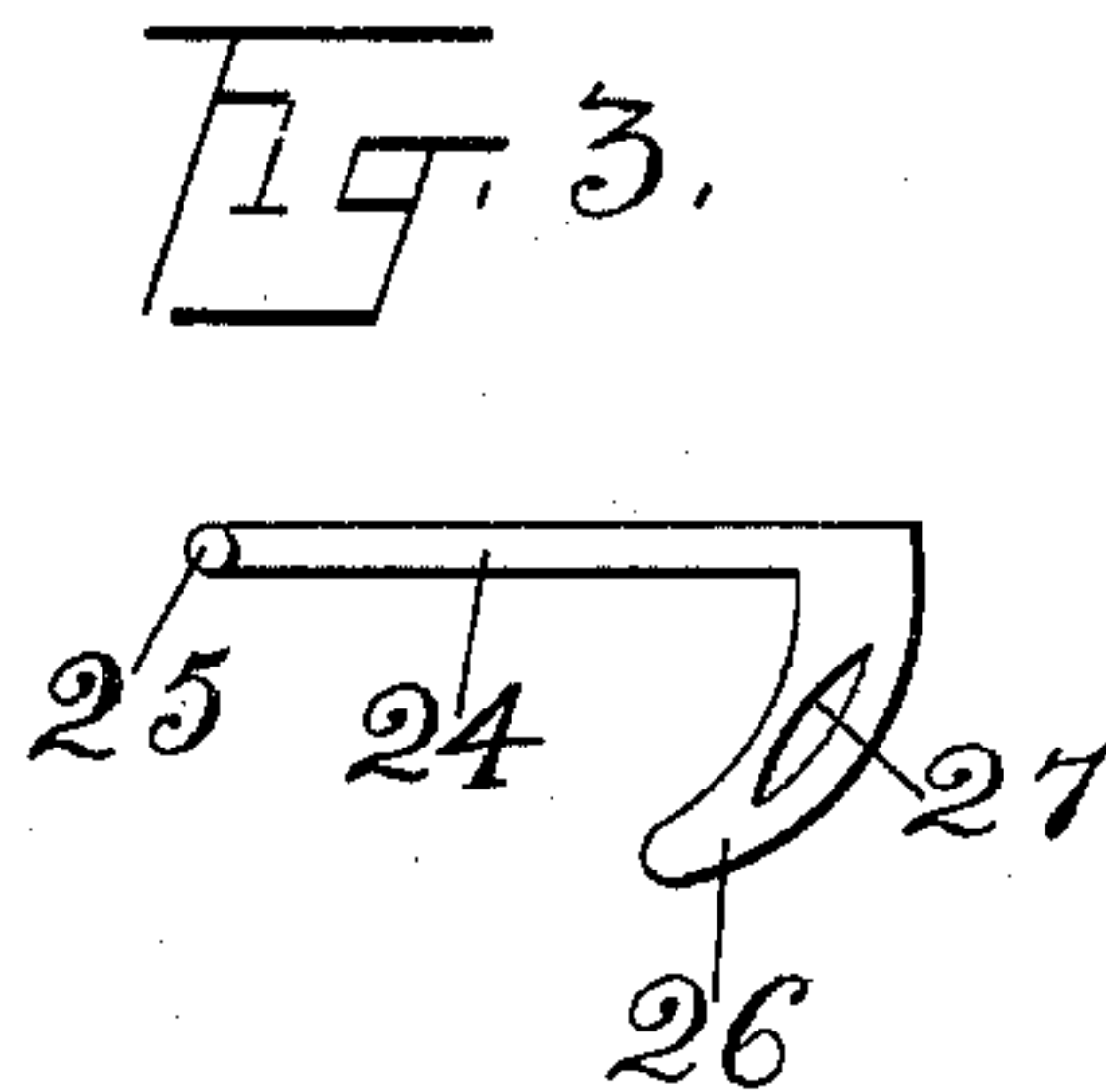
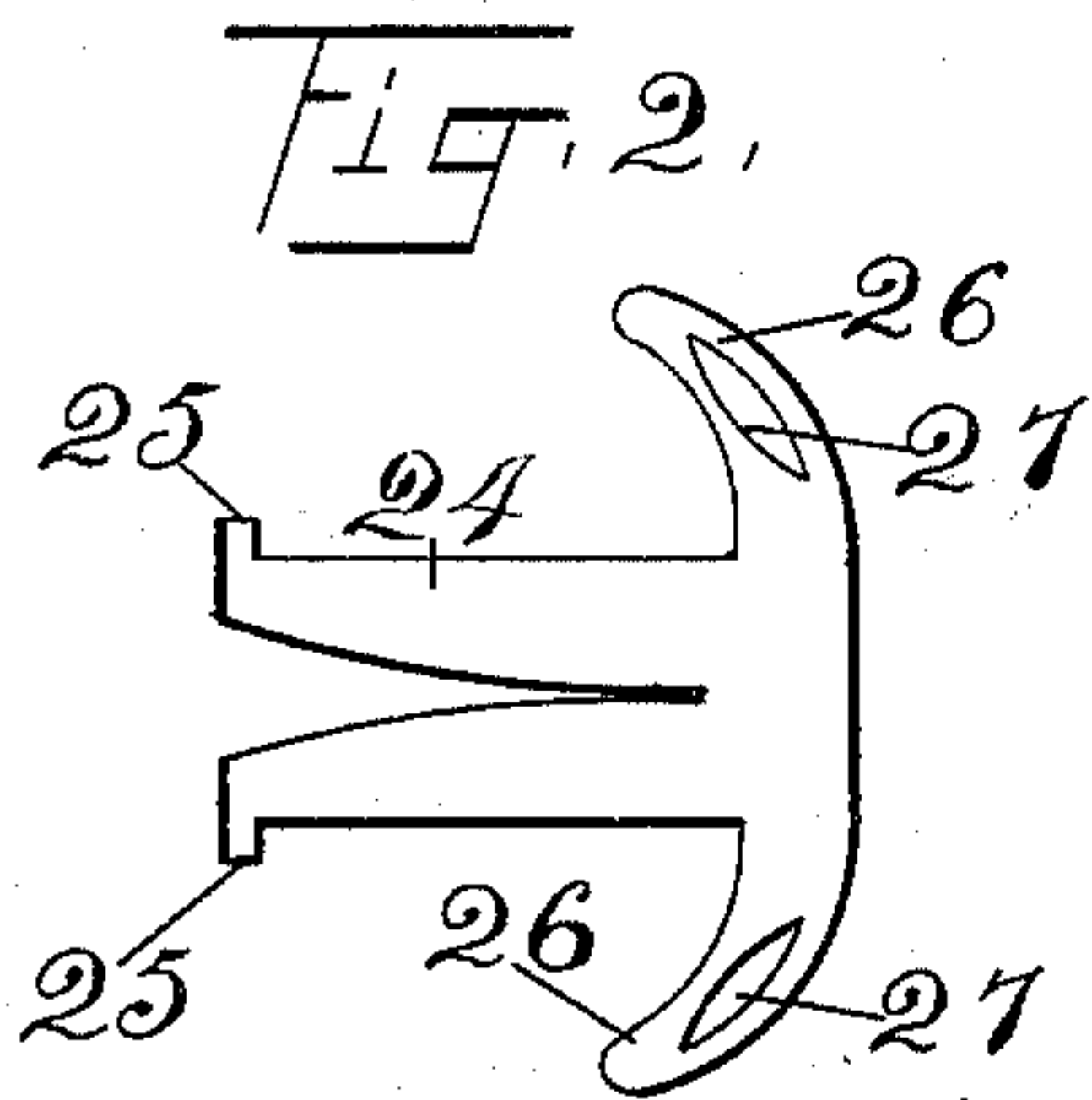
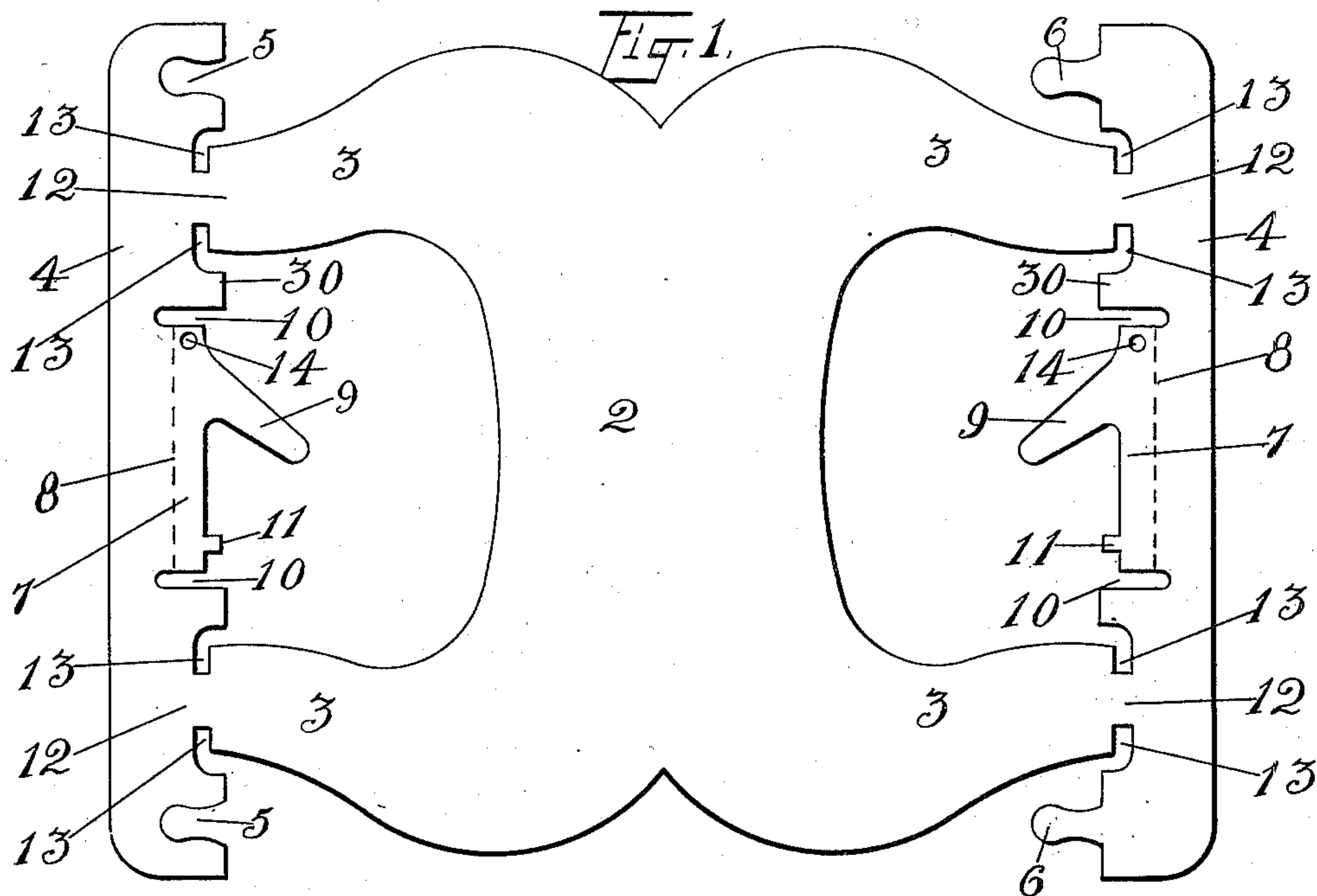
No. 706,813.

Patented Aug. 12, 1902.

W. B. FENN.  
HANDLE FOR SAD IRONS.  
(Application filed Sept. 28, 1901.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES

*F. W. Stewart*  
*R. Carlman*

INVENTOR  
BY *William Beach Fenn*  
*Edgar Tate* ATTORNEYS

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2 Sheets—Sheet 2.

FIG. 5.

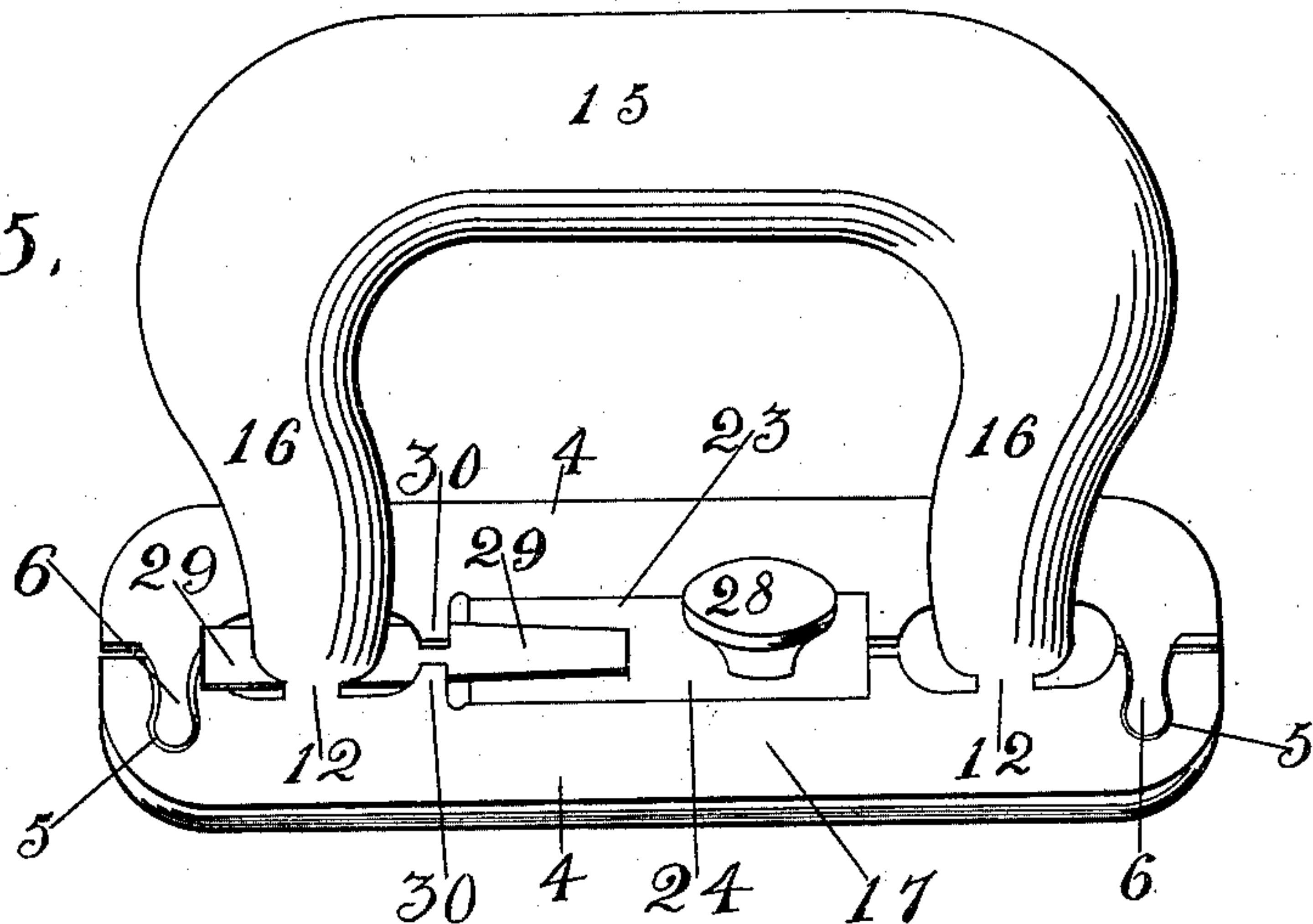


FIG. 6.

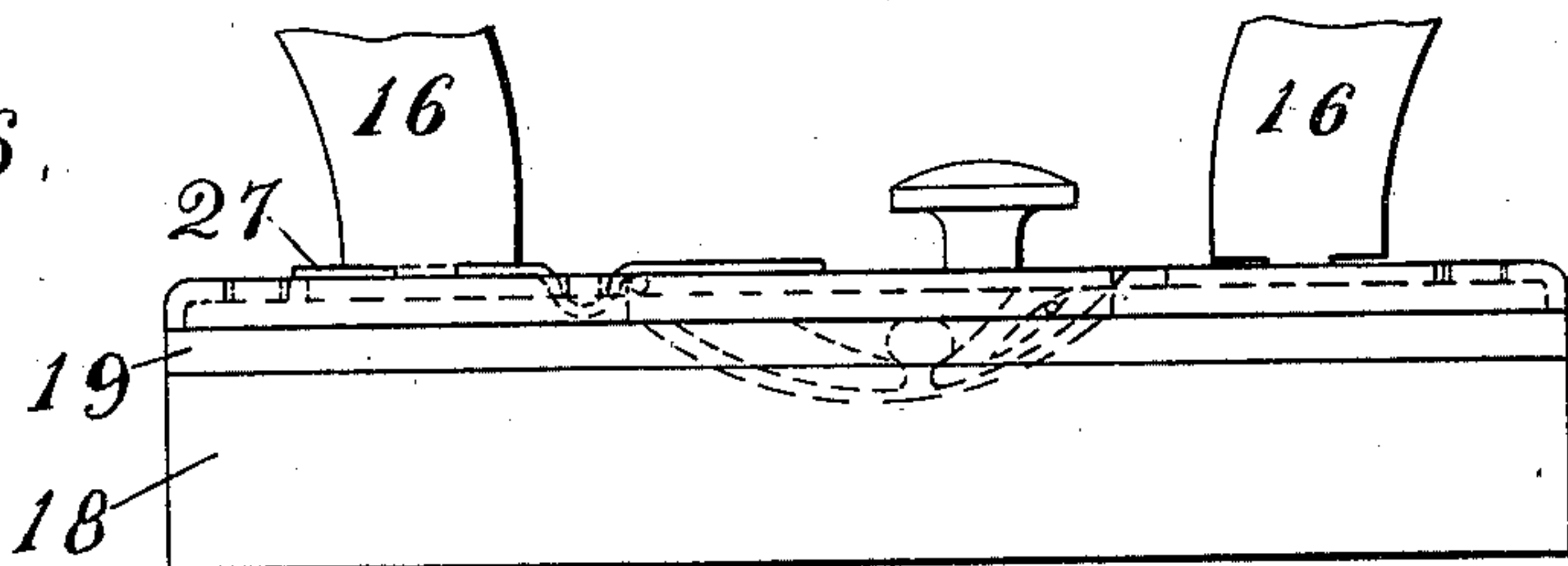
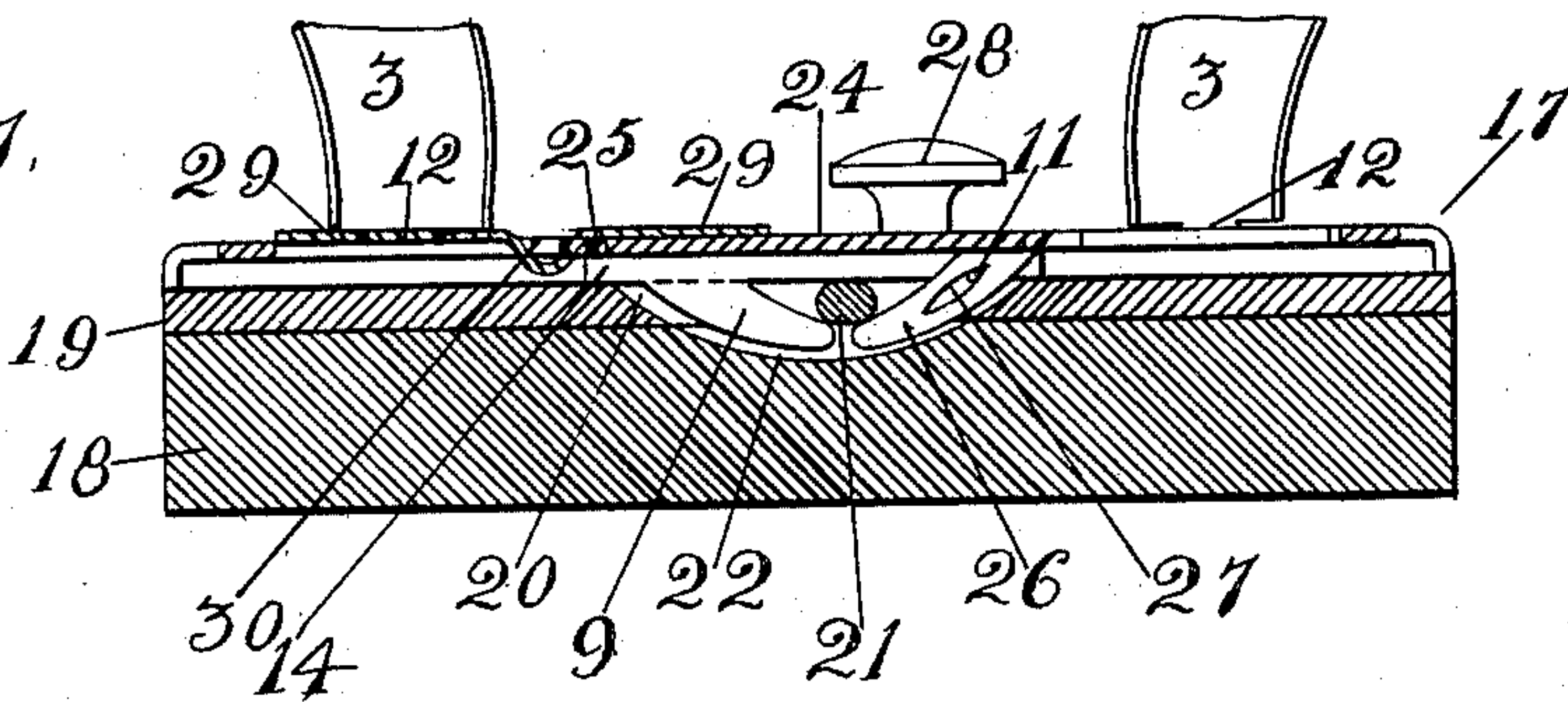


FIG. 7.



WITNESSES  
G. A. Stewart  
R. Pearlman

INVENTOR  
BY William Beach Fenn  
Edgar Fenn  
ATTORNEYS



# UNITED STATES PATENT OFFICE.

WILLIAM BEACH FENN, OF WILKESBARRE, PENNSYLVANIA, ASSIGNOR TO  
A. J. ROAT MANUFACTURING COMPANY, OF KINGSTON, PENNSYLVANIA.

## HANDLE FOR SAD-IRONS.

SPECIFICATION forming part of Letters Patent No. 706,813, dated August 12, 1902.

Application filed September 28, 1901. Serial No. 76,902. (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 and handle attachment for sad-irons, a further object being to provide a sad-iron handle and attachment-plate formed integrally and adapted to be connected with a sad-iron in the ordinary manner, the handle portion being hollow and both the handle and the attaching-plate being stamped from sheet metal; and with this and other objects in view the invention consists in the construction, combination, and arrangement 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 the blank from which my improved sad-iron handle and attaching-plate are formed; Fig. 2, a similar view of a blank for making a spring-hook employed in connection with the attaching-plate; Fig. 3, a side view of the hook formed from the blank shown in Fig. 2; Fig. 4, a view of a spring also used in connection with the handle and attaching-plate and for holding the spring-hook shown in Fig. 3; Fig. 5, a perspective view of the handle and attaching-plate formed from the blank shown in Fig. 1; Fig. 6, a side view showing an iron provided with the attaching-plate, part of the handle being broken away; and Fig. 7, a central longitudinal section of the device as shown in Fig. 6.

In the practice of my invention I stamp from any suitable sheet metal a blank, (shown in Fig. 1,) and this blank comprises a central body portion 2, the opposite ends of which are provided with outwardly-directed end portions 3, from which the legs of the handle are formed, and connected integrally with

the said leg portions at the opposite sides of the blank are plates 4, which when connected form the attaching-plate, by means of which the handle is connected with the iron. One of the side plates 4 is provided near each end with recesses 5, adapted to receive corresponding lugs or projections 6 on the opposite plate, and each of said plates is provided with a central longitudinal portion 7, adapted to be folded downwardly along the dotted lines 8, and each of these portions is provided with an inwardly-directed prong 9, and adjacent to each end of the portions 7 is a transverse notch or recess 10, adjacent to one of which is a lug or projection 11, and the portions 3 of the legs of the handle are connected with the plates 4 by necks 12, at the opposite sides of which are notches or recesses 13, and at the base of the hook portions 9 are holes 14.

The blank shown in Fig. 1 is adapted to be pressed by means of a suitable tool, press, or machine into the form shown in Fig. 5, the body portion thereof and the end portions 3 being formed into the handle 15, having end legs 16, and the handle portion is hollow and cylindrical in cross-section, as are also the leg portions 16, and the separate plates 4 of the blank in Fig. 1 form an attaching-plate 17, by means of which the handle is connected with the iron.

A sad-iron 18 is shown in Figs. 6 and 7, and this iron is provided with the usual stationary top plate 19, which may be secured thereto in any desired manner, and which is provided centrally with an opening 20, having a transverse bar 21, and the top of the iron is provided with a corresponding slight depression or recess 22.

When the central parts 7 of the side plates 4 are bent down, they form an opening 23, and the prongs or projections 9 assume the position shown in Fig. 7. Into the opening 23 is set a split spring-plate 24, provided at one end with laterally-directed lugs or pins 25, which are sprung into the holes 14, and said spring-plate is also provided at the opposite end with backwardly-directed hooks 26, having slots or openings 27, and these hooks are also bent downwardly, as shown in Fig. 7, and the pins or projections 11 on the side plates 4 of the blank pass through the slots



27, and the spring-plate 24 is provided with a finger-piece or knob 28, and forced beneath one of the leg members 16 and over the attaching-plate 17 and between the separate sides of the said leg members is a spring 29, the inner end of which presses on the spring-plate 24, and the lugs or projections 30 hold the inner end of said spring 29 in proper relative position with reference to the spring-plate 24.

The plate 19, which in practice is permanently secured to the iron 18, is provided longitudinally of the top thereof and in the usual manner with parallel ribs or projections, (not shown,) forming a space adapted to receive the attaching-plate 17, and in connecting the attaching-plate and the handle with the iron all that is necessary is to grasp and raise the knob or head 28, which raises the hooks 26 and then by inserting the attaching-plate into position and releasing the knob or head 28 the hooks 26 will be forced downwardly into the position shown in Fig. 7, and, together with the stationary hook or hooks 9, will securely hold the attaching-plate and handle in position, as will be readily understood. It will also be understood that two of the stationary hooks 9 are employed and two of the hooks 26, which are connected with the spring-plate 24, but it will be apparent that this duplication is not absolutely essential. The pins 11 limit the upward movement of the spring-plate 24, and the lugs or pins 25, which pass through the holes 14, hold the spring-plate 24 in position, while the spring 29 gives the necessary action thereto.

By making the handle hollow and stamping it from thin sheet metal I provide for the free circulation of air, the air being admitted at the bottom of the leg portions 16 of said handle, and this to a large extent prevents the handle from overheating, and it will be apparent that changes in and modifications of the details of the construction herein described may be made without departing from the spirit of my invention or sacrificing its advantages.

I do not claim an attaching-plate, broadly, as these devices are well known for securing a handle to a sad-iron, and the attaching-plate 17 when complete, as herein shown and described, is of the same general form as other attaching-plates of this class and is connected with the iron in the same manner.

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

1. A handle and attaching-plate for sad-irons, said parts being stamped from a single sheet of metal and pressed or folded into form, said handle being tubular in cross-section and provided with legs interiorly connected with said plate, which are also tubular in form, said attaching-plate being also adapted to be connected with the iron and being provided with a stationary hook on its under side, and a spring hook-plate provided with side hooks, and means for connecting said hook-plate with said attaching-plate substantially as shown and described.

2. A handle and attaching-plate for sad-irons comprising a blank composed of a body portion 2 having laterally-directed leg extensions or members 3 connected by parallel attaching-plate members 4, said blank being adapted to be folded or pressed into shape, substantially as shown and described.

3. A handle and attaching-plate for sad-irons formed from a blank comprising a body portion 2 laterally-directed end members 3 and plate members 4 provided centrally with prongs or hooks 9 and recesses 10 also with holes 14 and pins or projections 11, substantially as shown and described.

4. A handle and attaching-plate for sad-irons formed from a blank comprising a body portion 2, laterally-directed end members 3, and plate members 4 provided centrally with prongs or hooks 9 and recesses 10, also with holes 14 and pins or projections 11, said plate members being also provided, one with recesses 5, and the other with corresponding lugs or projections 6, substantially as shown and described.

5. The combination with a handle-plate for sad-irons of a spring hook-plate 24 slotted longitudinally and provided at one end with hooks 26 having slots 27 and at the opposite end with pins or projections 25, substantially as 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.