

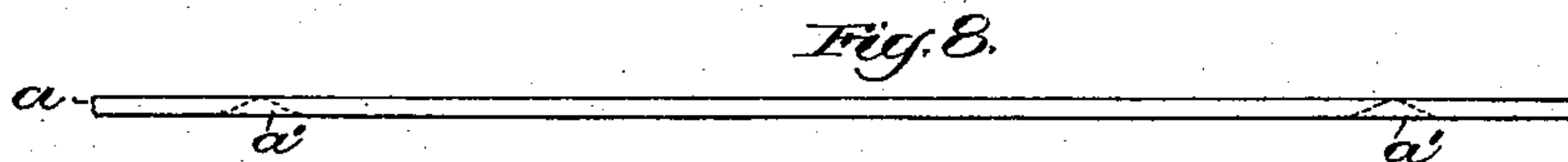
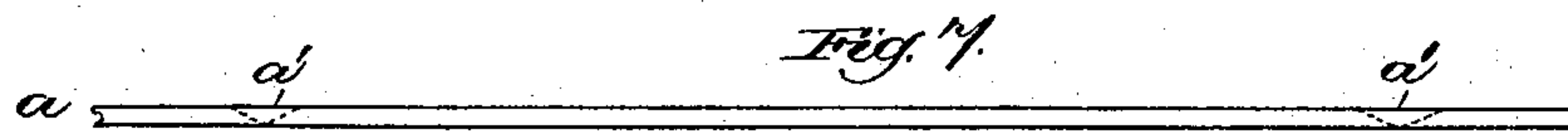
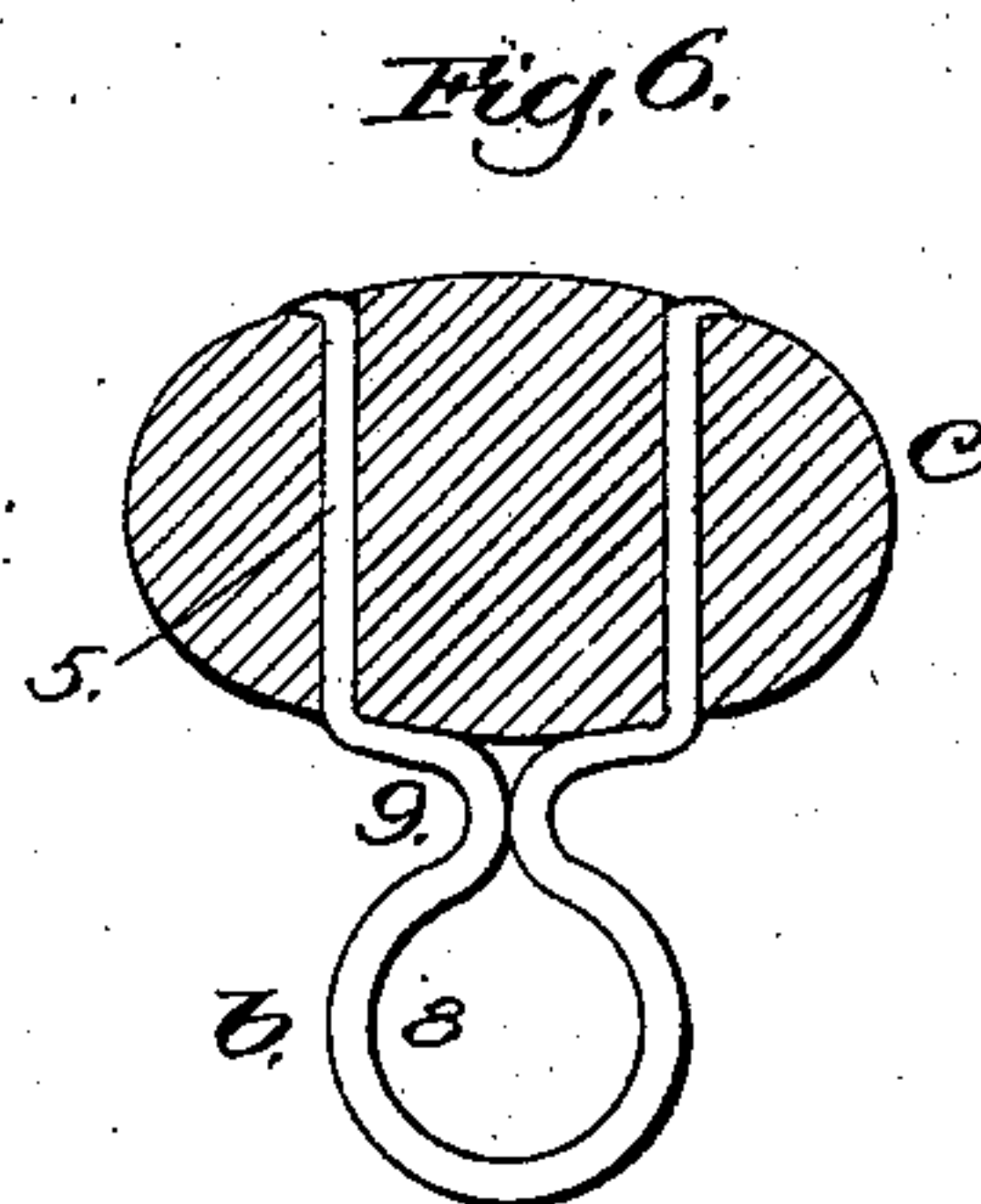
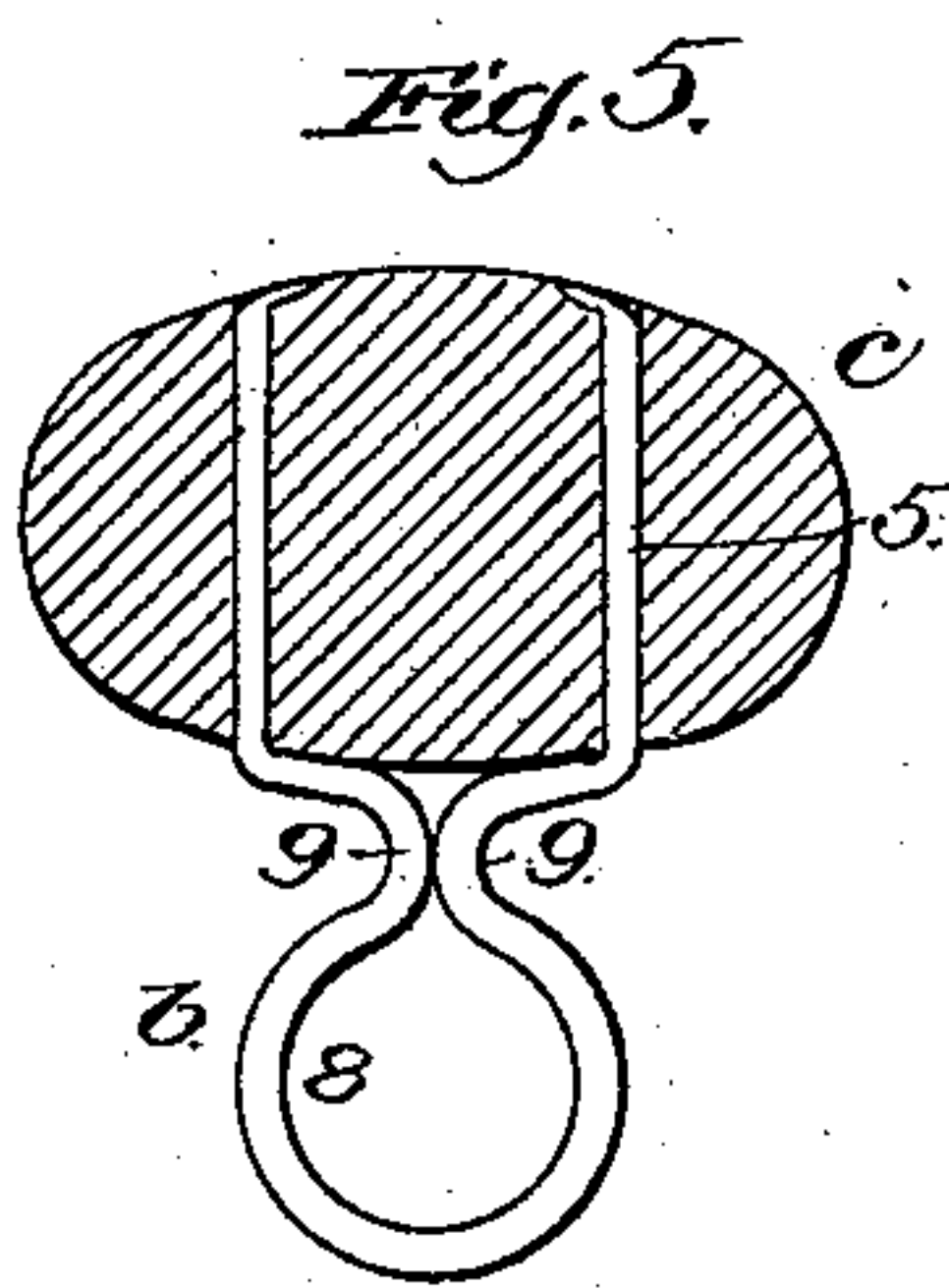
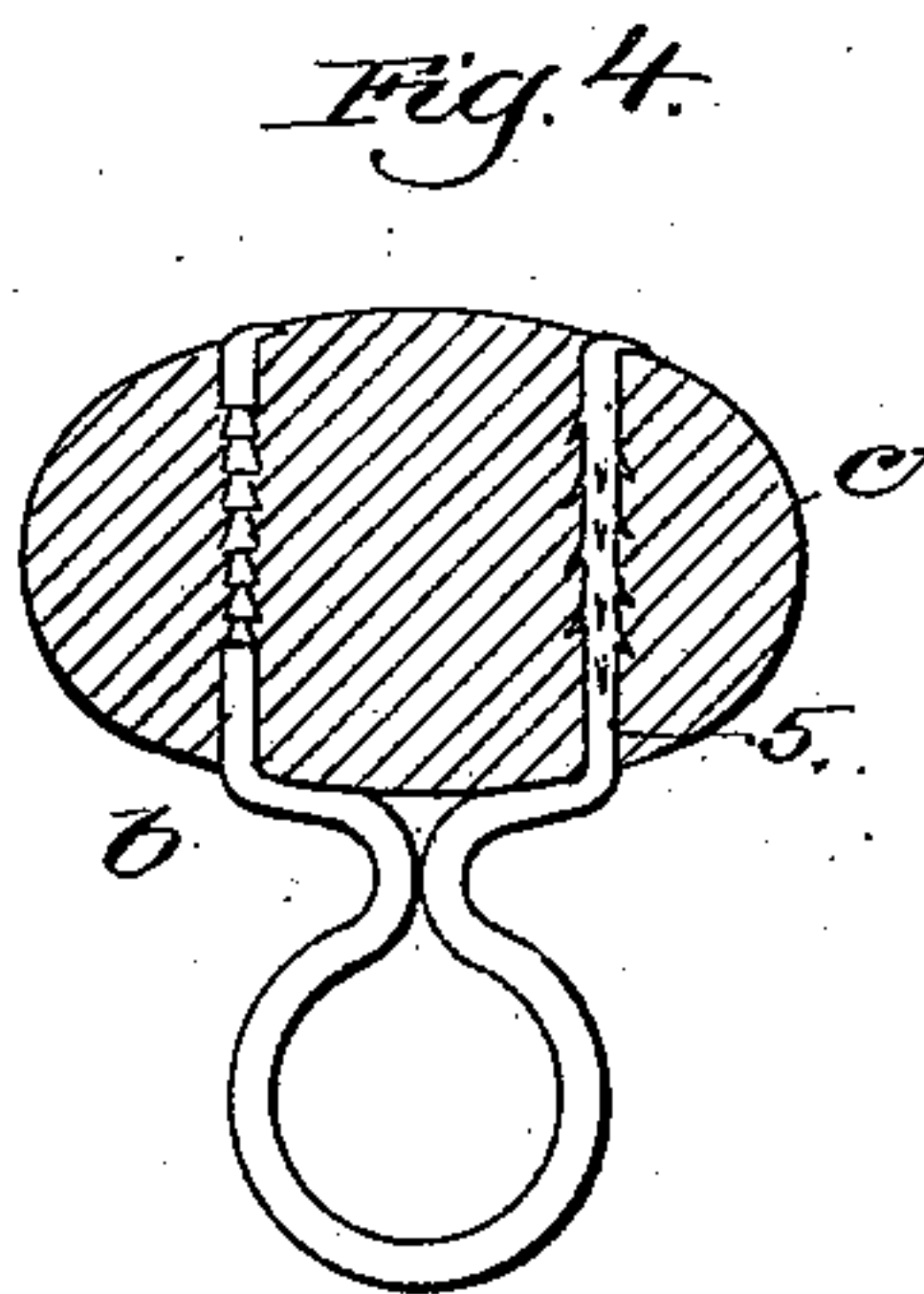
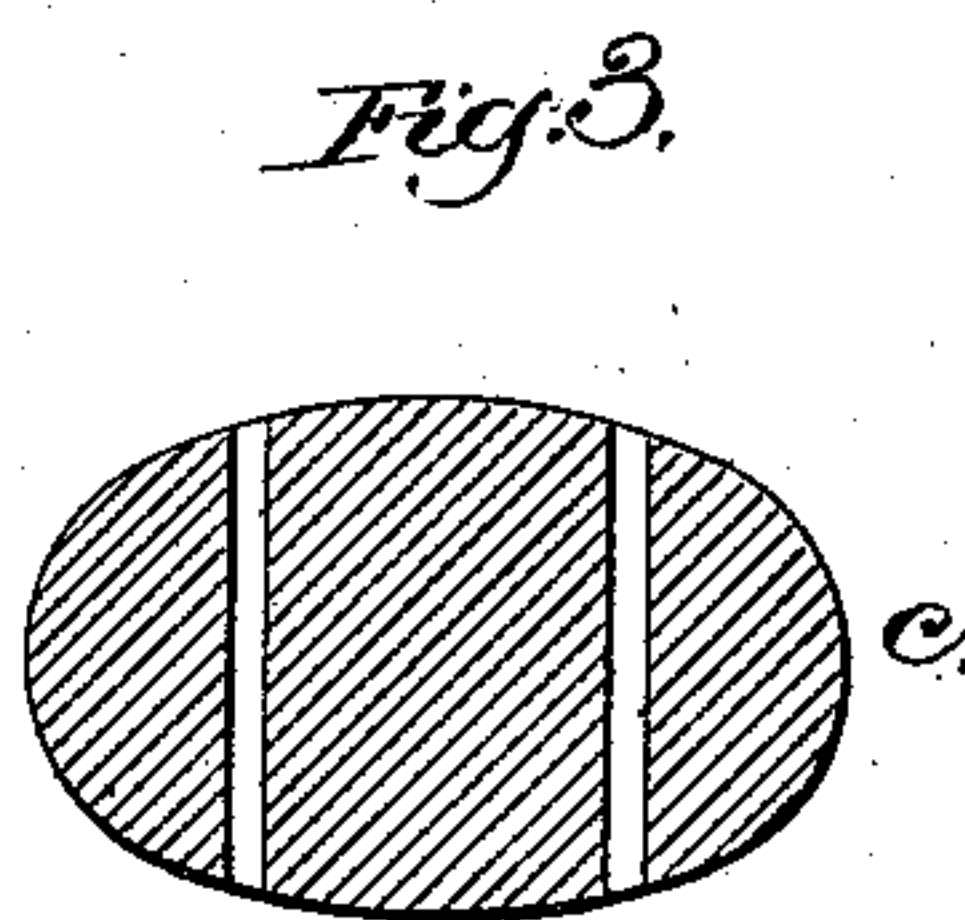
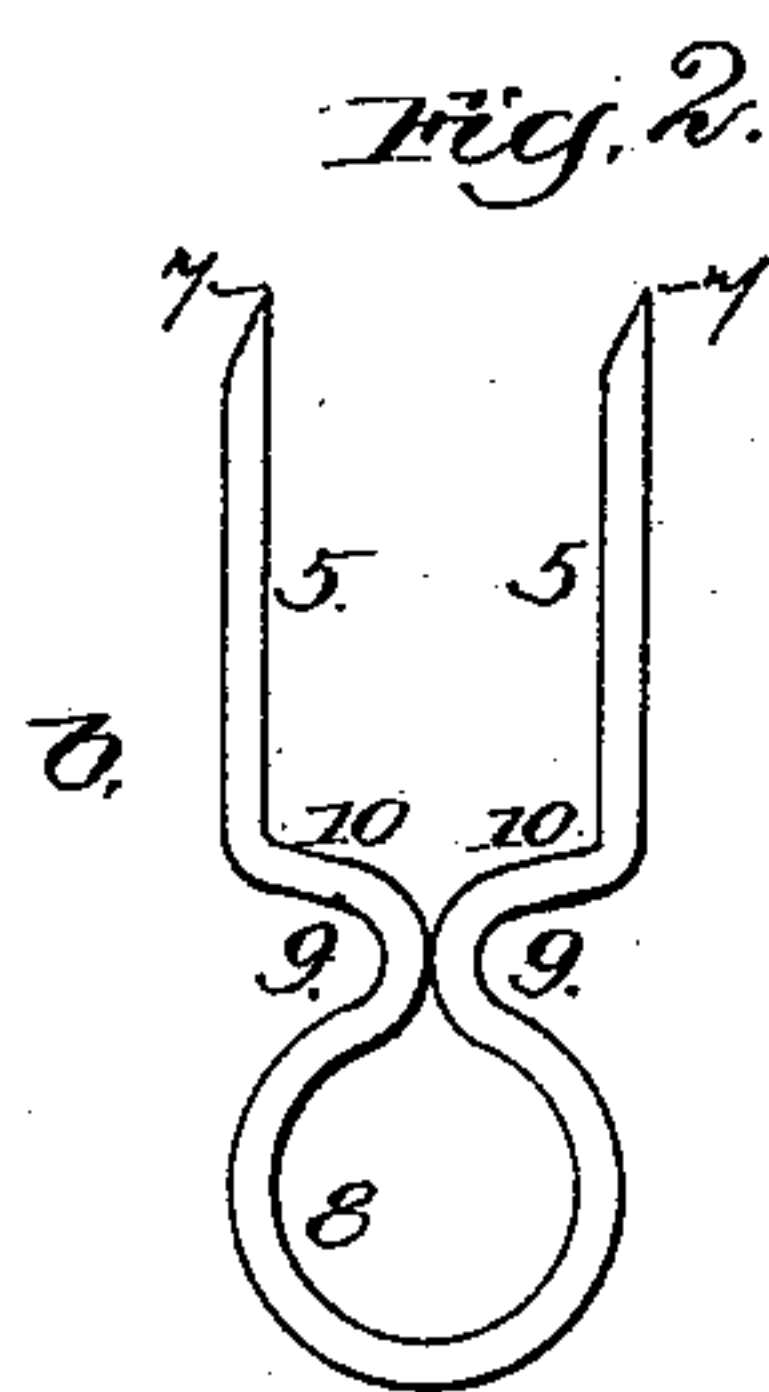
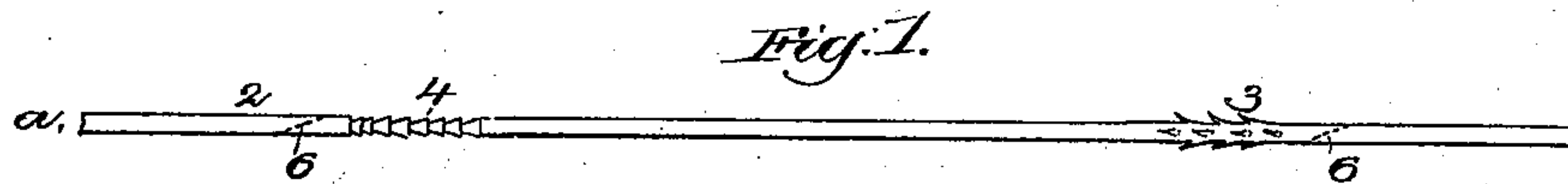
(No Model.)

L. GODDU.

BUTTON.

No. 289,829.

Patented Dec. 11, 1883.



Witnesses,
John F. C. Prinkert
Fred A. Powell,

Inventor:
Louis Goddu
by Crosby & Gregory attys.

UNITED STATES PATENT OFFICE.

LOUIS GODDU, OF WINCHESTER, MASSACHUSETTS.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 289,829, dated December 11, 1883.

Application filed April 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, LOUIS GODDU, of Winchester, county of Middlesex, State of Massachusetts, have invented an Improvement in Buttons, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention in buttons has for its object improvements in the form and application of the shank to the head thereof.

In accordance with my invention the shank is composed of a piece of wire bent to form an eye and a neck with shoulders, against which the under side of the head of the button acts, the prongs of the shank passing through holes in the head and being clinched at the upper side of the head, the points of the prongs being preferably made as clinching-points. After this the head of the button, composed of wood or leather, or other substance usually employed for buttons, is finished by japan, paint, or other enamel-like surface now common for finishing buttons.

My invention consists in a button having a solid head and a shank, the two prongs of which are riveted, clinched, or fastened at the top of or in the said head, as will be described, the said shank being bent or formed to constitute an eye and a neck, and a seat for the said head.

Figure 1 represents a piece of wire from which to form a shank; Fig. 2, a shank formed therefrom; Fig. 3, a button-head; Fig. 4, a button and shank united; Figs. 5 and 6, modifications of forms of clinching-prongs of the shank; and Figs. 7 and 8 show the wires from which the shanks in Figs. 5 and 6 are made.

The wire *a*, to form the shank for the button, may be either plain, as at 2, or notched or barbed, as at 3, or provided with annular or other projections common to sole-fastening wires, as at 4, so as to increase the holding power of the prongs 5 of the staple *b* in the head *c*. The wire *a* shown in Fig. 1 is severed diagonally at 6 to make clinching-points 7 and avoid waste of stock, and when clinched, as in Fig. 4, the said points will turn in the same direction. The wire may be severed diagonally, as shown in Figs. 7 and 8, wasting the pieces *a'*, in which case the prongs thus

formed will turn both toward each other, as in Fig. 5, or away from each other, as in Fig. 6. If desired, the points may be shaped in other forms common to sole-fastenings having clinching-points. The wire, severed into proper lengths, is bent to form an eye, 8, and is contracted above the eye to form a neck, 9, and the wire is made, as shown at 10, to form a seat for the button-head *c*.

The head *c* may be composed of wood, sole or other leather, paper-board, or other manufactured substitute for leather or paper, or of a molded compound composed more or less of wood or paper, or from metal. If wood, leather, or paper is employed for the head, the same may and preferably will be compressed or hardened in a suitable die as the prongs are being forced into the head or are being clinched. After the prongs 5 are inserted in the head and secured, they will not draw out from the same.

In my improved button the holes for the prongs extend through the head, and the prongs of the shank are introduced therein from the under side of the button, and the head is retained on the shank by the action of the prongs, portions of the same engaging the material of the head within the holes occupied by the prongs.

This button may be used wherever eyed buttons are commonly employed.

I do not herein claim a button having a shank provided with prongs extending below its head to be inserted through the material upon which the button is to be attached, as my invention relates not to any novel mode of securing the button to a fabric or to leather, but rather to improvements in fastening the head and shank together. Nor do I claim, broadly, a staple-like eye inserted through the head from its inner side and clinched at the outer face of the head; but I am not aware that a shank of wire has ever been bent as shown and described and made to form a seat, against which the back of the button-head may rest and take seat when the ends of the shanks are being clinched.

The head, after the shank has been fastened thereon, will be finished in any desired manner by japan or paint. The barbs, annular projections, and clinching-points all serve as

holding projections to retain the head on the shank, and either may be used without the other; but I prefer to clinch the points, and may or may not barb or corrugate the prongs.

5 I am aware that tubular rivet-like shanks have been clinched at the rear of a button-back composed of metal, and also that buttons have been attached to a fabric by staples, the prongs or legs of which have been bent over
10 within the button between its metal back and the cap of the button, the prongs meeting an anvil-plate within the hollow head of the button. Mechanism for forming the shank herein described and attaching the shank and head
15 will form the subject of another application.

I claim—

As an improved article of manufacture, a button having a solid head and a wire shank, provided with an eye and a neck above it, and with a seat, and with two prongs, substantially as described, adapted to hold and retain the said head thereon, substantially as set forth. 20

In testimony whereof I have signed my name to this specification in the presence of two sub- 25 scribing witnesses.

LOUIS GODDU.

Witnesses:

G. W. GREGORY,
BERNICE J. NOYES.