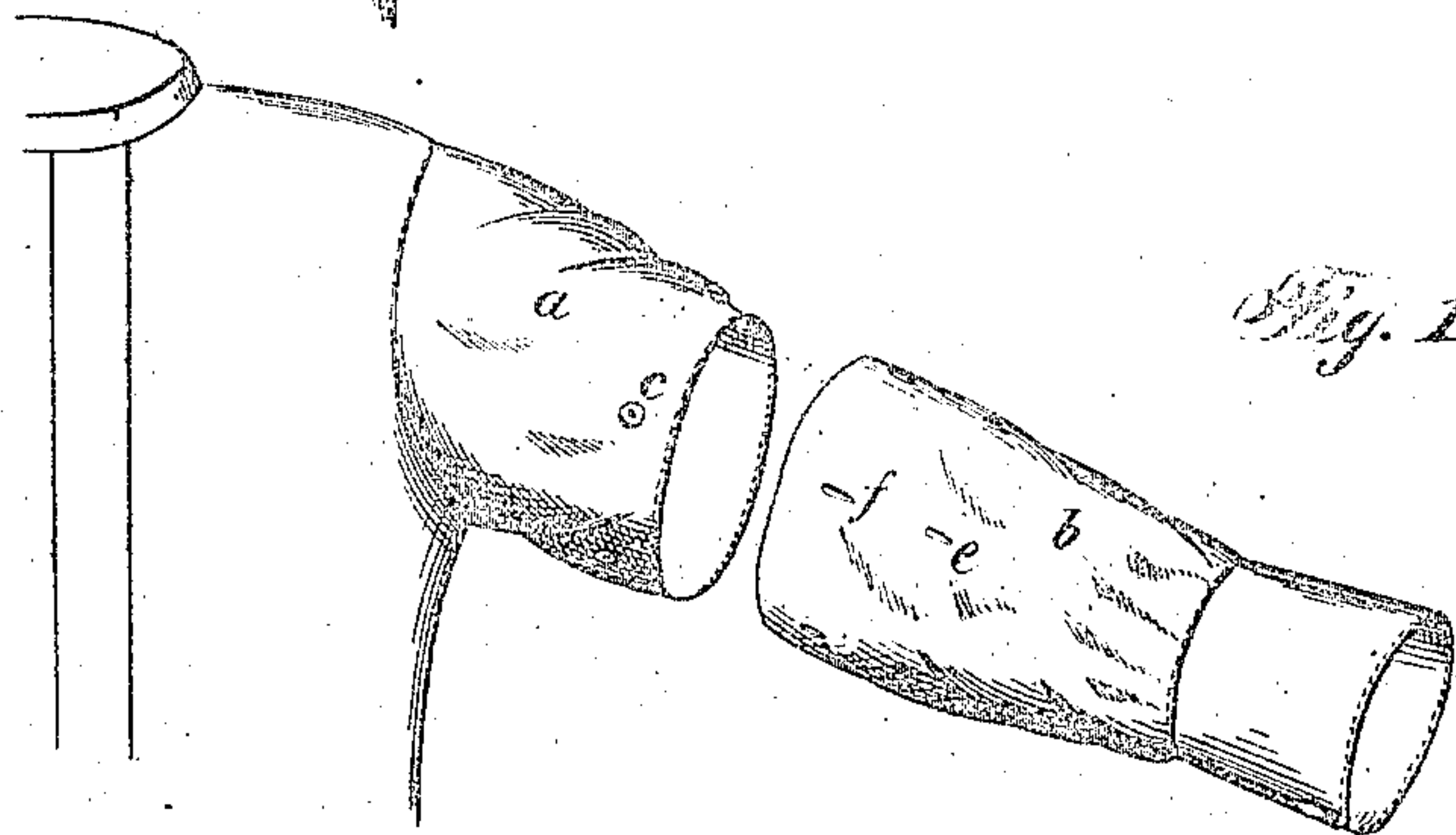
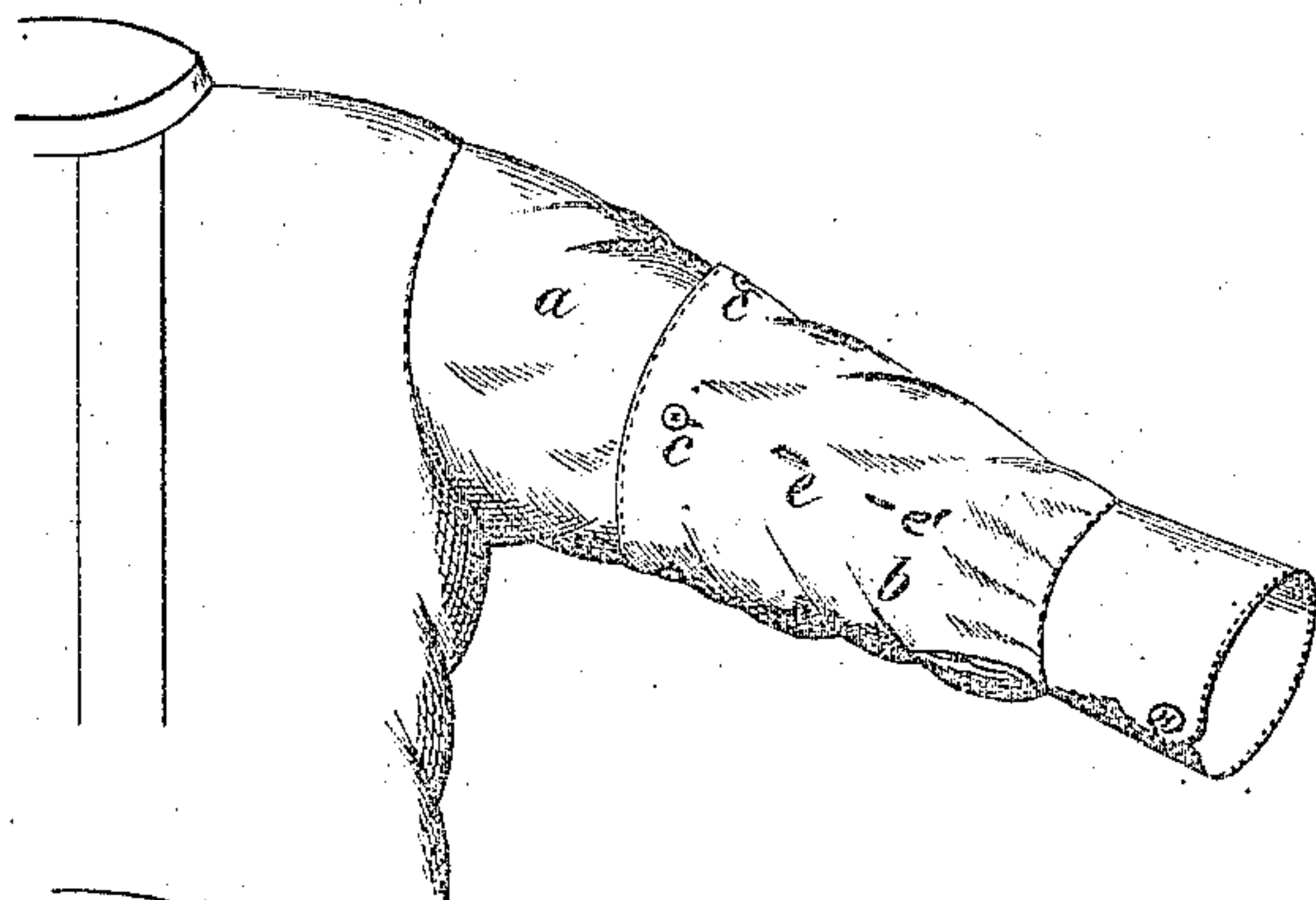
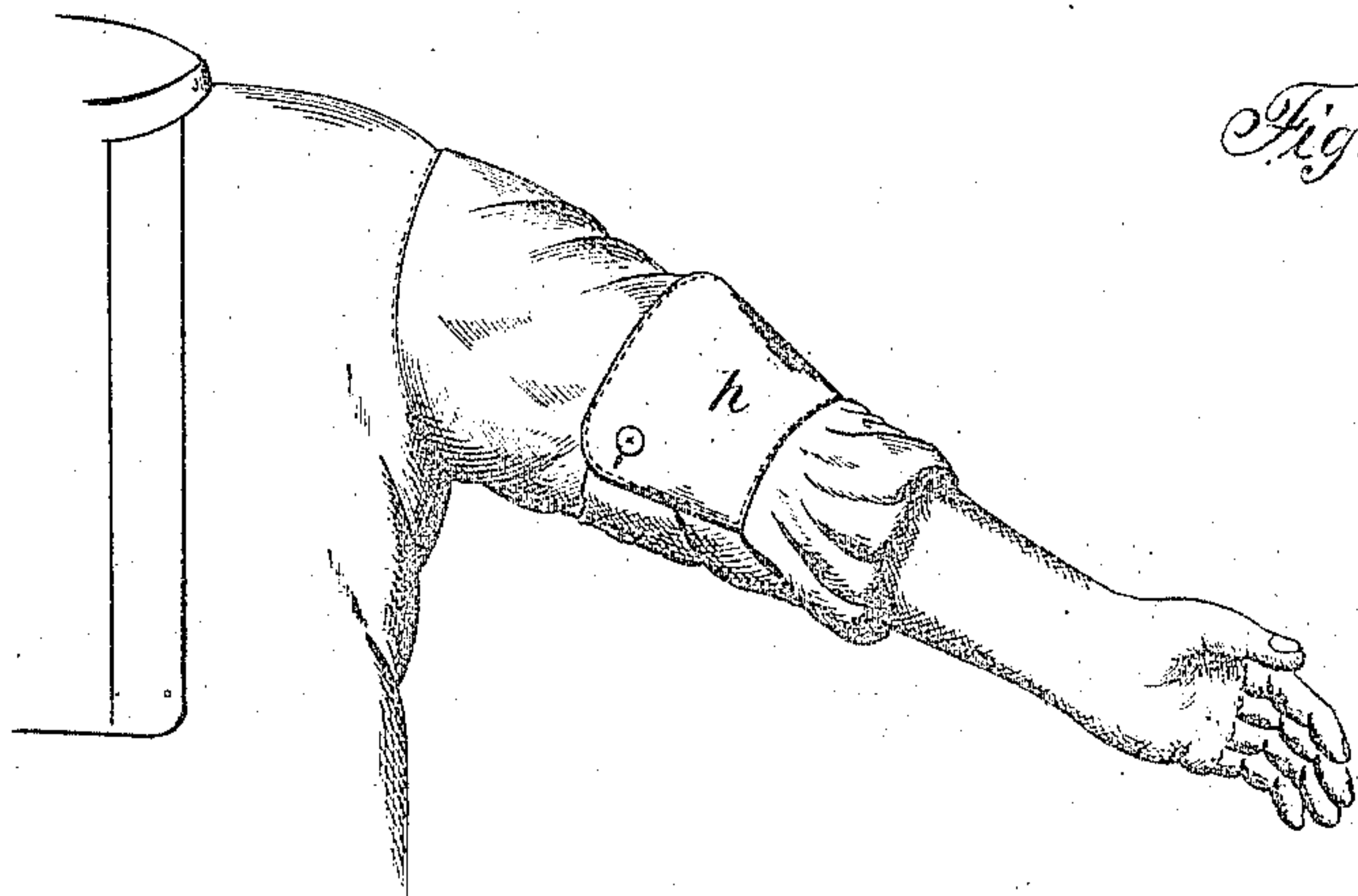


A. N. HORNER.
Shirt.

No. 235,875.

Patented Dec. 28, 1880



WITNESSES.
Warren Seely.
Frank Middlelow.

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UNITED STATES PATENT OFFICE.

ALBERT N. HORNER, OF BALTIMORE, MARYLAND.

SHIRT.

SPECIFICATION forming part of Letters Patent No. 235,875, dated December 28, 1880.

Application filed December 8, 1879.

To all whom it may concern:

Be it known that I, ALBERT N. HORNER, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and useful Improvement in Shirts; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to shirts of that class known as "dress," "outside," or "over" shirts; and has for its object, first, to render it convenient to replace the cuff when soiled by wear before the other exposed parts are similarly soiled; and, second, to provide means by which the cuffs may be adjustable upon the arm, so as to expose them more or less to wear and soiling, and in connection with these objects it is the design of my invention to simplify and cheapen the manufacture of such garments and to render them more convenient in use.

My invention consists in certain details of construction hereinafter fully set forth and specifically claimed.

In the drawings hereunto attached, and forming a part of this specification, Figure 1 represents my improved shirt with the sleeve detached. Fig. 2 represents the same with the sleeve in place. Fig. 3 represents the cuff turned back out of the way and attached to one of the buttons which connect the parts of the sleeve.

Heretofore, as is well known, the cuffs of shirts have been made detachable, so that they might be removed to preserve them from soiling, to be replaced by others when they have become soiled. It has also been suggested that an extension or short portion adapted to receive a cuff buttoned thereto might be made of muslin or linen and be attached to the lower end of the sleeve of a shirt made of woolen or other coarse material.

My invention is mainly designed, as before stated, for ordinary outer shirts having bosoms and cuffs; and in carrying out my invention I make the sleeve terminate upon the elbow, and provided at the end with a row of buttons arranged around the periphery of the sleeve. The lower part of the sleeve I make preferably of the same material with a cuff permanently attached thereto, and with one or more rows of button-holes arranged around the upper end in such position that either row may

be connected with the row of buttons upon that part of the sleeve which is fixed to the shirt, if more than one row of button-holes be provided, as shown in Figs. 1 and 2.

Obviously the detachable sleeve may be adjusted in length to suit the convenience of the wearer. It is also obvious that the position of the buttons and the holes may be reversed, the buttons being placed upon the detachable portion and the holes upon that portion which is attached to the shirt; also, that only one row of holes may be used and one or more rows of buttons, with substantially the same effect.

It is to be particularly noted that this construction dispenses with the necessity of having the cuff detachable from the sleeve, and of manipulating the stiffened cuff (ordinarily of four plies of material) and connecting it with buttons, as must be done with the present mode of making shirts and cuffs.

In the figures of the drawings, 1 and 2, the part of the sleeve attached to the shirt is represented at *a*, the detachable portion at *b*, the buttons at *c c*, and the rows of holes at *e* and *f*.

It will be observed that the detached portion of the sleeve terminates above the elbow. The advantage of this is that it brings the buttons into such position upon the arm that they are not likely to incommode the wearer, as they do when located between the elbow and the hand.

The sleeve may, if preferred, be made entire and be attached by the buttons at the shoulder, but not so conveniently for attachment and detachment. I have also contemplated providing the upper part of the sleeve with a plait or fold circumferentially arranged above the row of buttons, so as to cover them entirely and hide the line of juncture between the two parts.

Although the principal object of my invention is to make the sleeves removable in order that they may be replaced by the same kind of sleeve when the cuffs become soiled, yet it is apparent that in some occupations it may be desirable for the wearer to have a pair of sleeves of calico or some suitable material which may be buttoned on in place of the ordinary muslin sleeves while the wearer is at work and be replaced by the others when his work is completed, and I contemplate putting

up, for some purposes, with each shirt, besides duplicate pairs of muslin sleeves with their cuffs permanently attached, another pair of calico or similar dark material suitable to be worn while the wearer is at his work.

An inspection of Fig. 2 will show that the cuffs may be held up from the wrist by folding the sleeve just above the button-hole *e* and buttoning the said hole over the button *c*, which is arranged in longitudinal line above it, or, for more secure fastening, another hole, *e'*, may be made directly below one of the holes of the second row, and the sleeve be folded transversely between them, so as to make the two holes register. The two button-holes may be passed over the button directly above them, the button thereby passing through the entire fold or plait and holding the cuff securely away from the hand.

Another method which can be used with my invention is shown in Fig. 3, the cuff *h* being turned back and buttoned at one of its holes over one of the buttons or the upper part of the sleeve. This may be convenient where it is desired to hold the cuff entirely out of the way.

The methods of suspending the cuff away from the wrist above described, whether by buttoning the cuff, as in Fig. 3, or by two button-holes, as in Fig. 2, may be used in connection with shirts not having my invention, the button being specially provided for that purpose. Manifestly instead of buttons ordinary studs or hooks and eyes may be used.

The described shirt has been found exceedingly convenient, since it has all the advantages of any of the ordinary dress-shirts, being provided with cuffs permanently attached to the sleeve, while at the same time they are removable either to prevent soiling or after they have been soiled. The attachment of the separable sleeve to the shirt is a matter of no inconvenience, and in that respect is an

improvement upon the old mode of attachable cuffs.

I am aware that a shirt with a detachable piece upon the end of the sleeve is not new, such a detachable piece being shown in the patent of Edwards of October 9, 1877, said piece being provided with a wristband for connection with an ordinary cuff, and with means for attachment to the main portion of the sleeve, and I do not broadly claim a detachable piece. My object in this respect is to avoid the necessity of buttoning the stiff detachable cuff to the sleeve, while at the same time retaining all the advantages of a removable cuff. An incidental advantage of this construction, also, is that the detachable sleeve, with its cuff, may be turned upon the arm and buttoned, so as to bring the cuff-button in any desired position, whether for the purpose of display or to remove the button from beneath the wrist in writing, or any like use of the hand, where the cuff-button would be annoying.

What I claim is—

1. A shirt formed with sleeves terminating above the elbows, and provided with means for attachment to a lower sleeve, as set forth.
2. In combination with a shirt made with short sleeves, a detachable sleeve having a cuff permanently attached thereto, with device for connecting the two parts, as set forth.
3. In combination with a shirt, a short sleeve permanently attached, provided with a row of buttons at its lower end, and with a detachable sleeve having holes *e*, *f*, and *e'*, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALBERT N. HORNER.

Witnesses:

OTTO BENNER,
W. J. EGAN.