

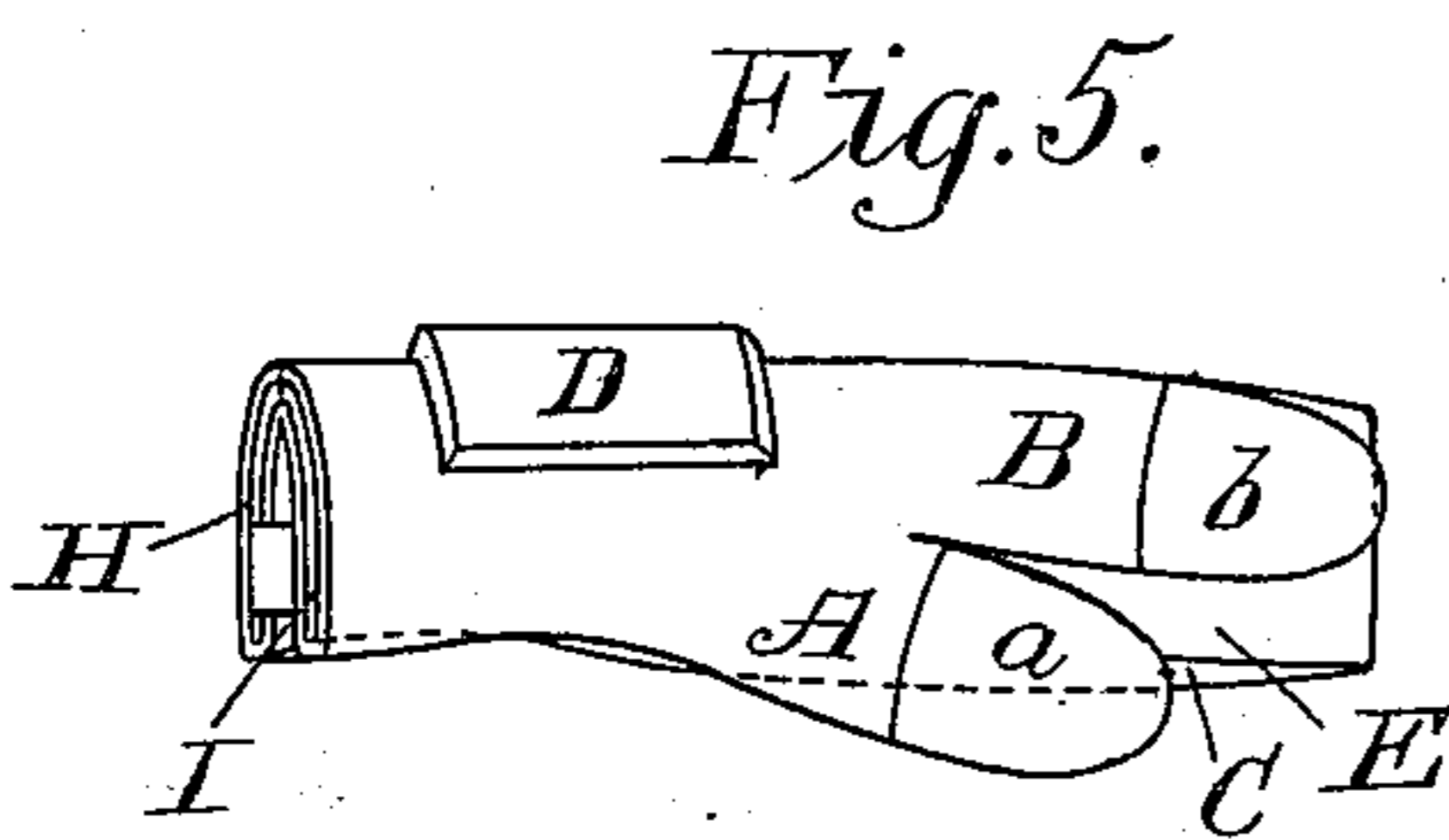
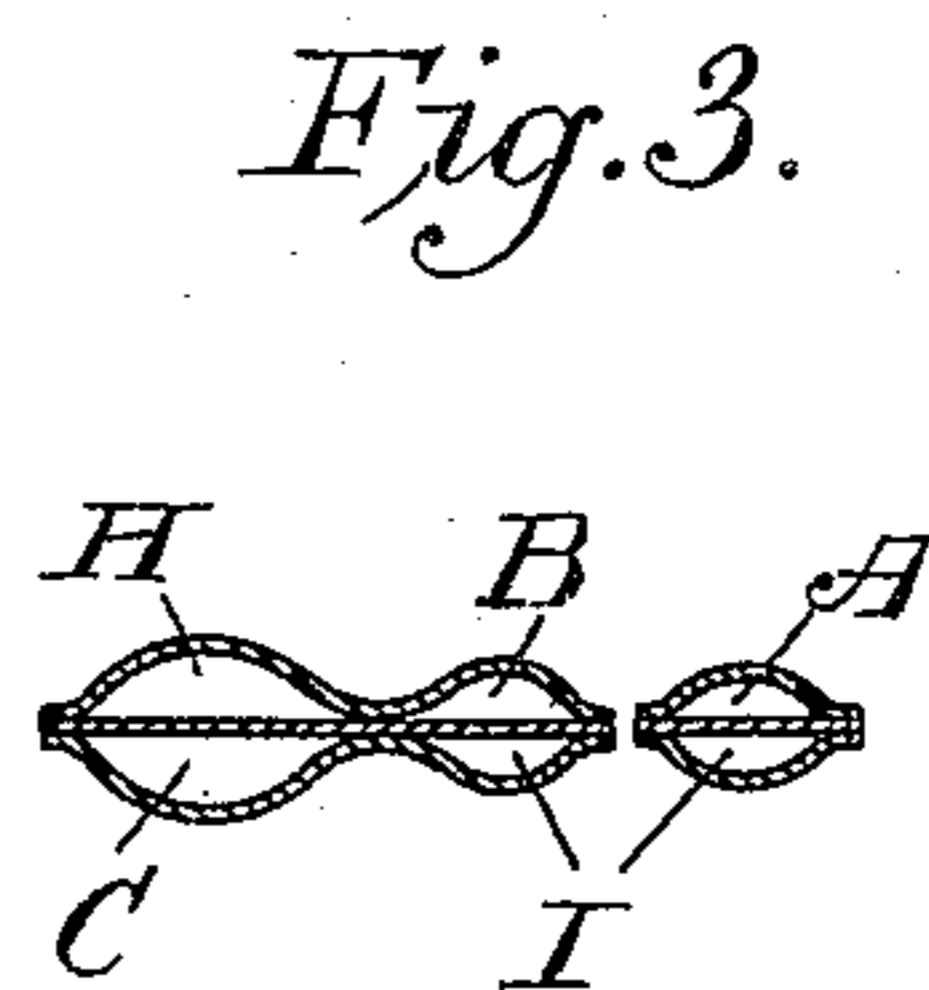
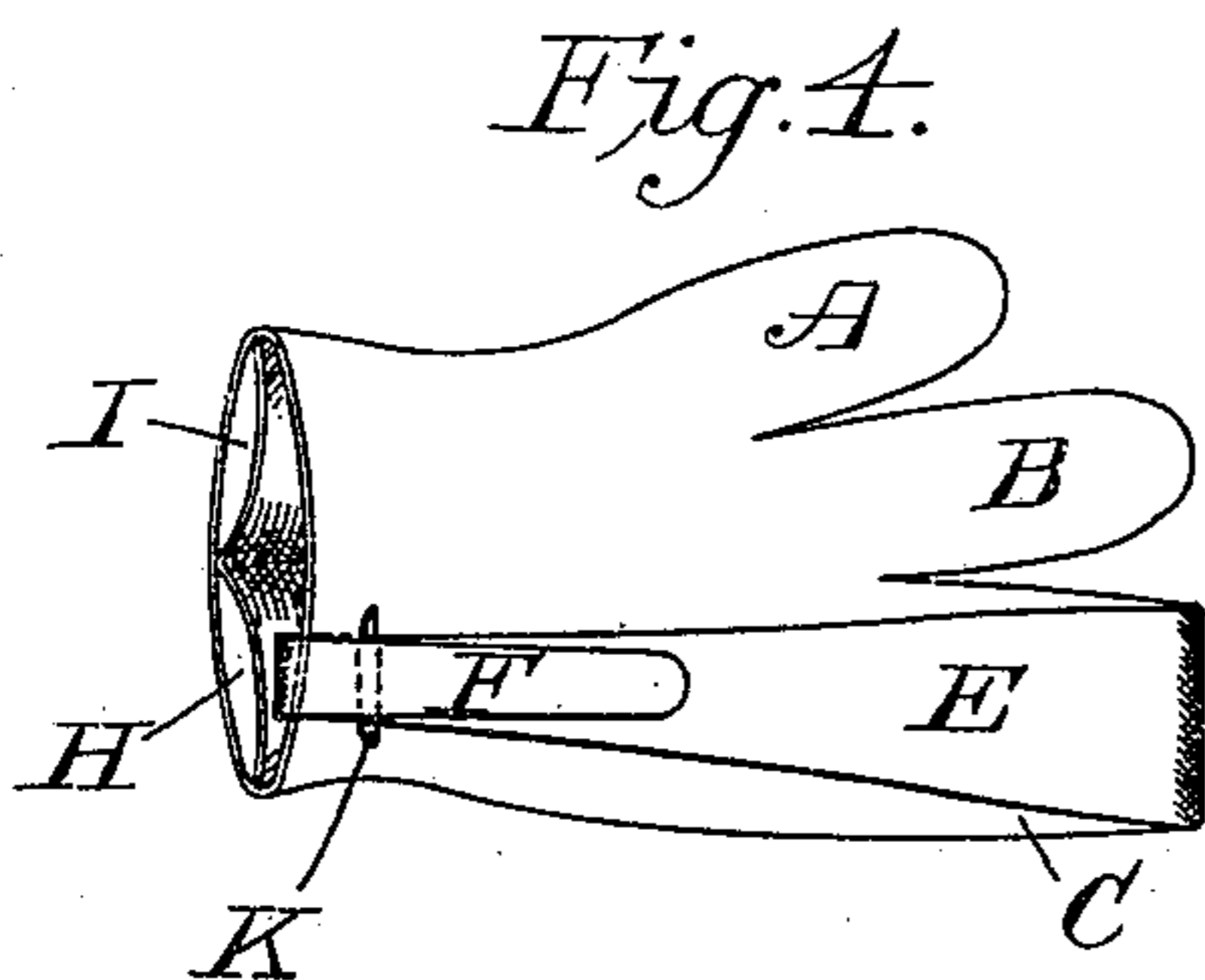
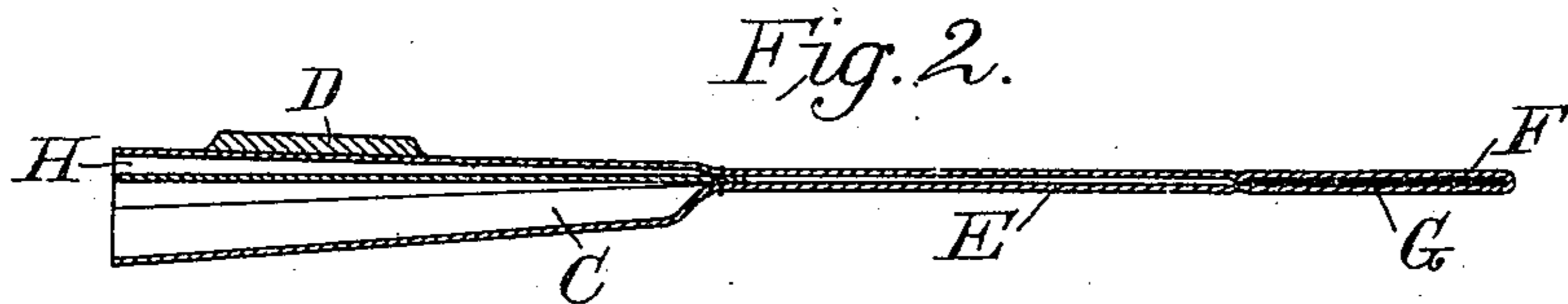
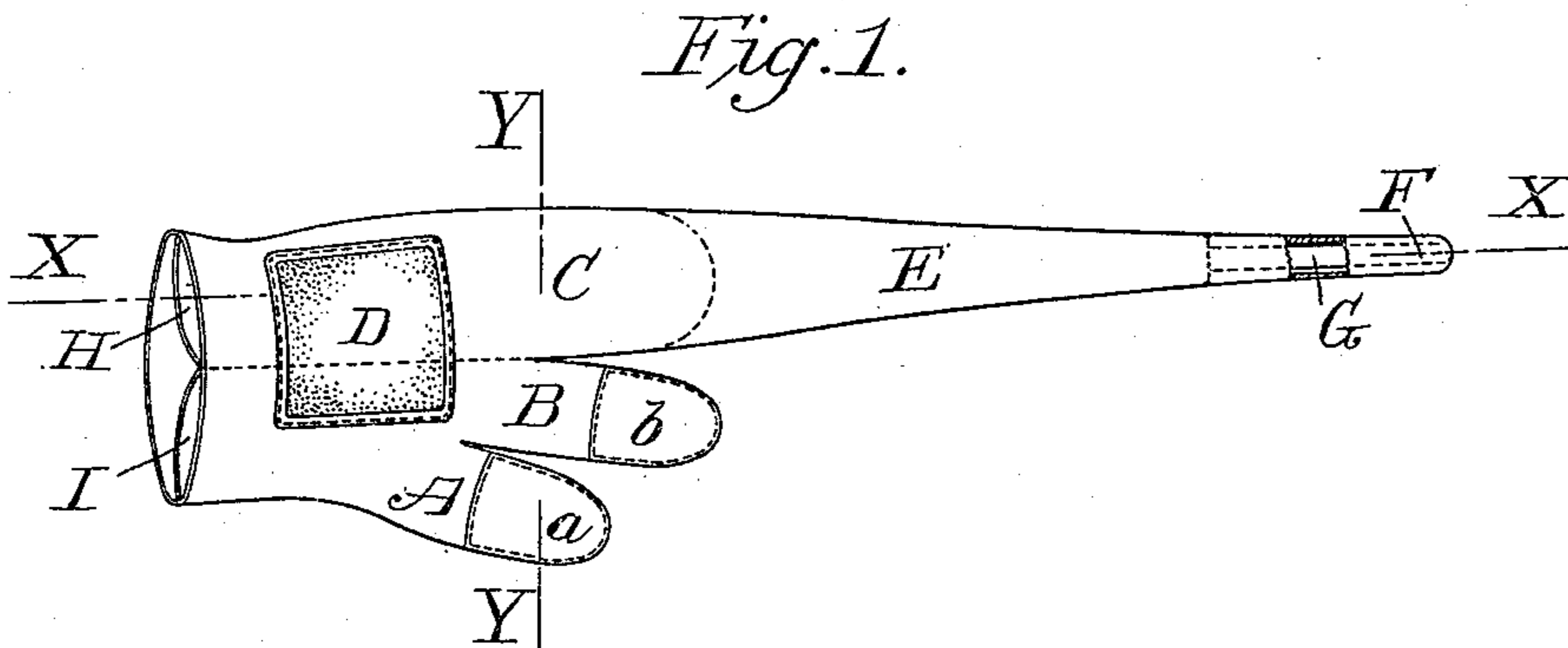
No. 617,755.

Patented Jan. 17, 1899.

T. C. MARTIN.
BICYCLE CLEANER IN FORM OF A GLOVE.

(Application filed Mar. 17, 1898.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

THOMAS C. MARTIN, OF WARREN, MASSACHUSETTS.

BICYCLE-CLEANER IN FORM OF A GLOVE.

SPECIFICATION forming part of Letters Patent No. 617,755, dated January 17, 1899.

Application filed March 17, 1898. Serial No. 674,150. (No model.)

To all whom it may concern:

Be it known that I, THOMAS C. MARTIN, a citizen of the United States, residing at Warren, county of Worcester, in the Commonwealth of Massachusetts, have invented a new and useful Bicycle-Cleaner, of which the following is a specification.

My invention relates to appliances for cleaning bicycles and like machinery; and the object of my invention is to produce a cleaner which will, first, protect the hand from bruises and dirt while being used; second, that will have separate pockets adapted to hold the several bicycle-tools and prevent them from rattling while being carried in the tool-bag; third, that will have a flexible end for insertion into the numerous openings in a bicycle, and, fourth, that may be compactly folded with the tools in its pockets and made to fit the ordinary tool-bag. I obtain these objects by mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a front plan of my cleaner. Fig. 2 is a sectional view of Fig. 1 at X X. Fig. 3 is a sectional view of Fig. 1 at Y Y. Fig. 4 is a back view of my cleaner with the long end folded backward, its end passing through the hole adapted to receive it and folded over preparatory to folding up the whole cleaner. Fig. 5 is a side view of my cleaner folded up ready to be placed in the tool-bag.

Similar letters refer to similar parts throughout the several views.

My cleaner is in form half glove and half mitten and is provided with a place for the thumb and one finger separate, like a glove, and provided with a place for the other three fingers together, like a mitten, but projecting out to a point, forming a long end, as shown in Fig. 1. It is usually made to fit the right hand only.

A represents the place for the thumb, B the place for the first finger, and C the place for the other three fingers of the right hand.

D is a piece of heavier and firmer material than the balance of the cleaner—as, for example, Brussels carpeting—attached so as to come at the hollow of the hand, so as to be folded over and around a particularly rough part to be cleaned, as the chain of the bicycle.

E is the extension or prolongation of the three-finger piece C, which is extended so as

to form a long end, as shown, having a small thin extremity F, which contains a thin slender flexible strip G, of metal, celluloid, or leather or other suitable material, which can be inserted in the numerous openings and small places of a bicycle or other machine to be cleaned.

The cleaner is made of any soft fleecy or elastic material, knit goods being much used because of its elasticity. The long end E can be passed around the portions to be cleaned and the cleaning done by taking hold of the small end F with the other hand and seesawing over the parts of the machine.

The finger and thumb of the cleaner may be provided with tips of chamois-skin or like material for grasping the wire spokes and the like small parts of the machine and polishing them.

The cleaner may be lined with any suitable material to protect the hands, which may also be made into pockets H and I, into which the tools used with the machine may be placed when the cleaner is not in use. Other pockets may be also made from the linings or from separate pieces. By having a separate pocket for each tool they are kept apart and prevented from rattling while being carried in the tool-bag.

On the back of the cleaner is a small opening K, as shown in Fig. 4. When the cleaner is not in use, the long end E is folded over and the small end F put through the opening K and may be then folded over again on E, as shown in Fig. 4. The tools are placed in their separate pockets and the cleaner folded over, as shown in Fig. 5, and thus folded can be easily placed in an ordinary tool-bag.

As thus made my cleaner is always ready for use and can be used without soiling or bruising the hand, and the bicycle or other machine upon which it is used can be quickly cleaned, and when not in use as a cleaner it makes a desirable and useful holder for the tools.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The herein-described article of manufacture, consisting of a cleaner for bicycles and like machines, made in the form of a glove or mitten, with a projecting end or finger tapering to a point and inclosing a thin, hard strip

of flexible material at the point, substantially as described and for the purposes set forth.

2. The herein-described article of manufacture consisting of a bicycle-cleaner made in the form of a glove, but with separate places for the thumb and first finger only, and space made for the other three fingers to be together, and the covering of those fingers extending beyond the other parts of the glove and forming a long, tapering end, with a thin strip of flexible material inclosed therein, and with the lining of the glove made into pockets, adapted to hold bicycle-tools, substantially as described and for the purposes set forth.

3. The herein-described article of manufacture, consisting of a bicycle-cleaner made in the form of a glove or mitten, with a long,

projecting end or finger tapering to a point and inclosing a thin, hard strip of flexible material therein, with tips of the finger and thumb faced with a soft leather or a similar material, with a block of coarse and durable material in the center of the hand, with an opening in the back of the cleaner adapted to receive the long, projecting end when it is folded backward and with pockets on the inside of the cleaner, substantially as described and for the purposes set forth.

THOMAS C. MARTIN.

Witnesses:

ALPHA A. BULLARD,
ALBERT H. CHAFFEE,
MABELLE ROGERS.