

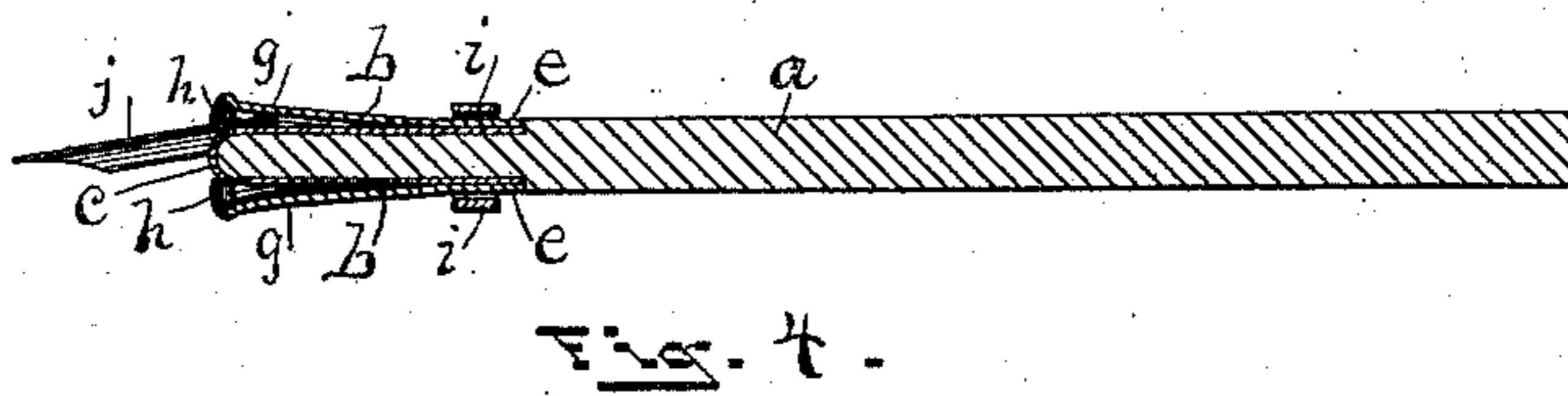
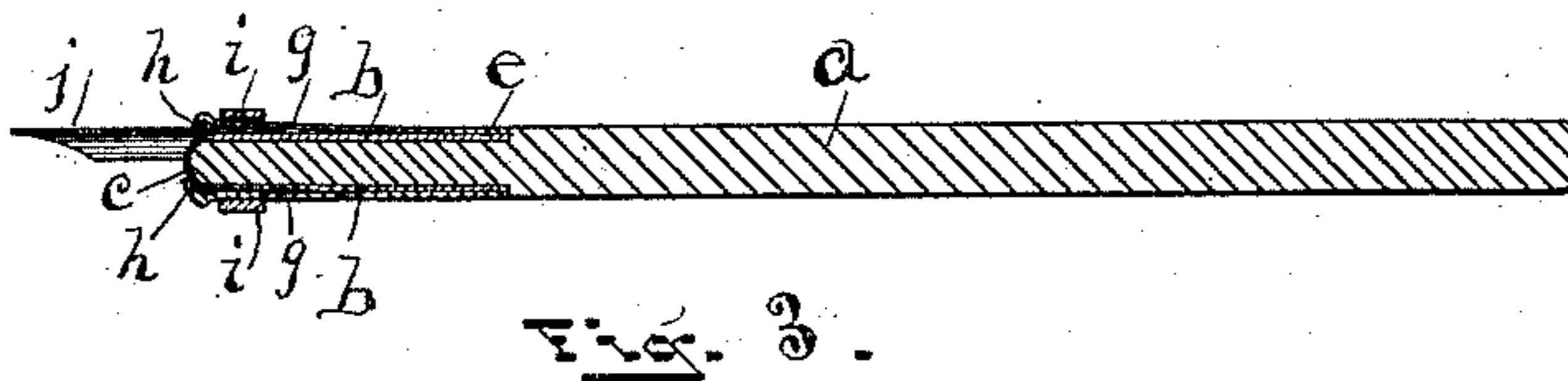
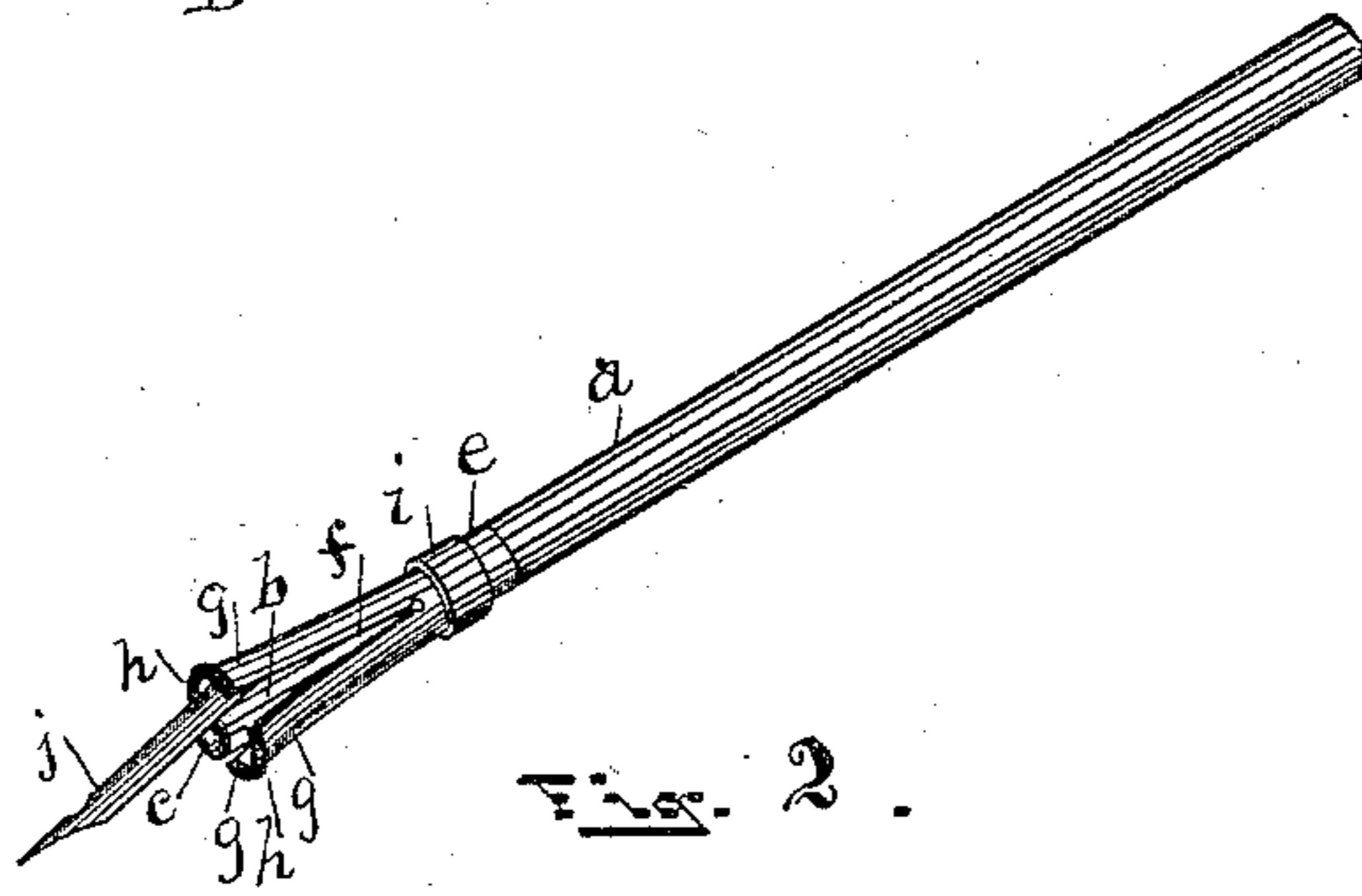
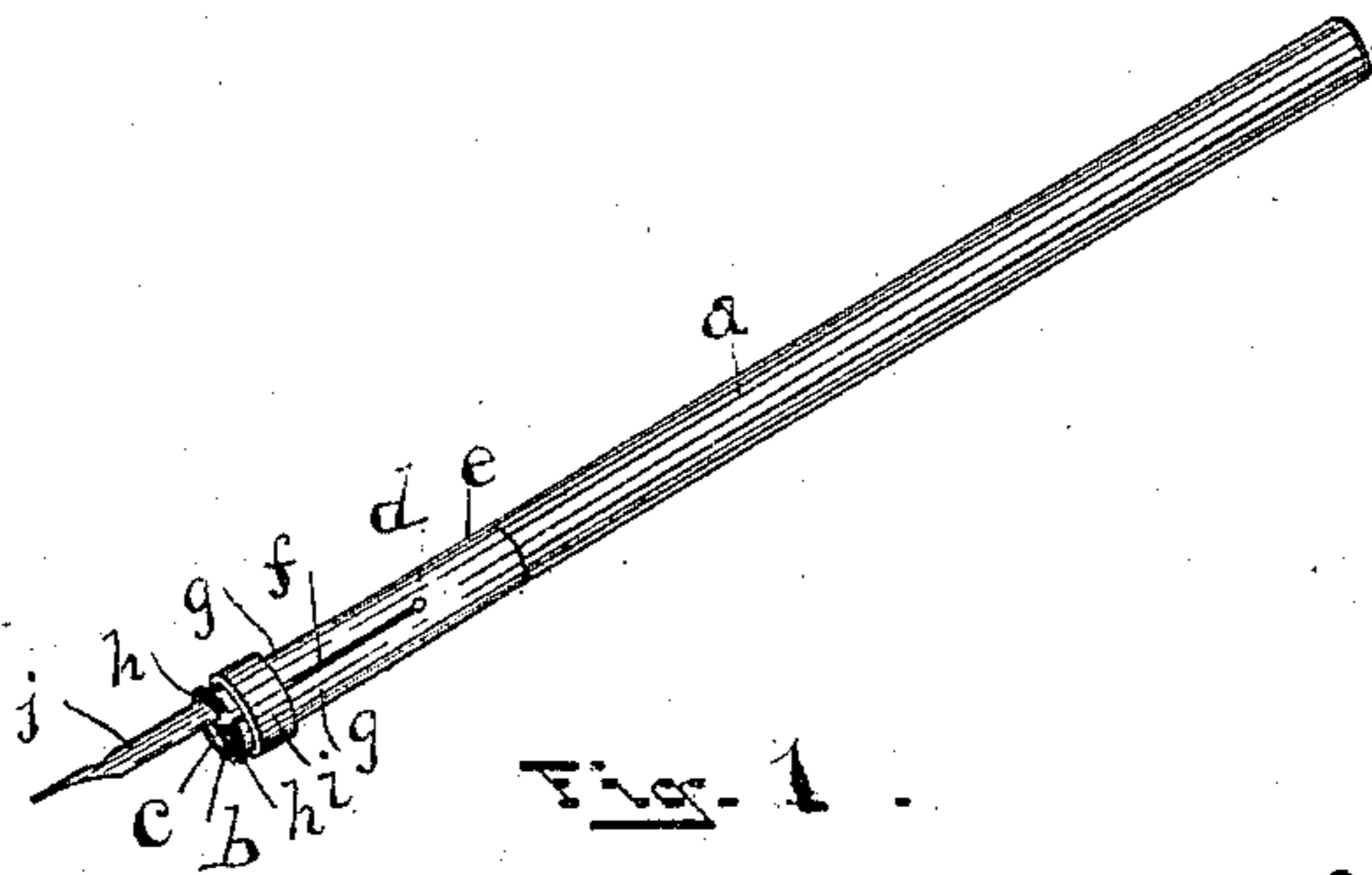
(No Model.)

F. H. DURELL.

PEN HOLDER.

No. 398,317.

Patented Feb. 19, 1889.



WITNESSES:

W. H. Power
G. P. Thomas

INVENTOR:

Frank H. Durell

By

Gas. E. Thomas.

Atty.

UNITED STATES PATENT OFFICE.

FRANK H. DURELL, OF BAY CITY, MICHIGAN, ASSIGNOR OF ONE-HALF TO
JOHN W. CUPIT, OF SAME PLACE.

PEN-HOLDER.

SPECIFICATION forming part of Letters Patent No. 398,317, dated February 19, 1889.

Application filed July 9, 1888. Serial No. 279,408. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. DURELL, a citizen of the United States, residing at Bay City, in the county of Bay and State of Michigan, have invented certain new and useful Improvements in Pen-Holders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

In the common methods of securing writing-pens to the holder the pen-shank is passed between the holder and a spring-plate of some form, and these parts, when the pen is in position, bear upon the pen-shank in a manner to retain the pen in position; but while the said devices operate successfully to retain the pen, great trouble and annoyance are occasioned by the pen becoming corroded by the acids in the ink and fixed in position in the holder, so that its removal therefrom is often entirely impossible, and at least to remove the pen it must be grabbed by the fingers for withdrawal, which is a great objection on account of the pen being generally covered with ink, which must be cleaned or wiped off before the removal of the pen or the fingers of the operator are soiled or stained; and the objects of this invention are to provide devices whereby the pen may be rigidly and firmly secured in the holder, and also whereby the pen may be quickly and easily freed from the holder without applying the fingers thereto, and also to produce a cheap and easily-constructed device in which pens of various sizes and forms may be affixed and held without special fitting or bending of the parts.

My invention consists, substantially, in the arrangement and combination of the several parts which are assembled together in the construction of the device, as I hereinafter more fully describe, and specifically set forth in the claim.

I attain the aforesaid objects by means of the devices illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective of my improved pen-holder with the pen in position for use. Fig. 2 is the same with the parts in position for releasing the pen. Fig. 3 is a longitudinal central section of Fig. 1. Fig. 4 is a longitudinal central section of Fig. 2.

Similar letters designate the same parts throughout the several views.

a represents the handle of a pen-holder, and *b* is an inner socket with one end open and shoved upon the end of the handle *a* and with its opposite end closed with a rounded end, *c*.

d is a sleeve passed over the socket *b*, and is firmly and rigidly secured to the open or inner end, *e*, thereof in any suitable manner, preferably by being fitted to firmly grasp the end *e*, so as to be rigidly held thereto by frictional contact, the opposite or outer end of the sleeve being, however, divided by the longitudinal slits *f*, which extend somewhat beyond the middle of the sleeve and form the spring-pieces *g*, the outer ends of which are turned inward, forming lips *h*, which, when the spring-pieces are closed upon the socket, fit over the outer rounded end, *c*, thereof, the spring-pieces *g* being also bent to spring outward to the form shown in Figs. 2 and 4 when not confined or held inward by a narrow band or sleeve, *i*, which is arranged to surround and slide upon the sleeve *d*, and which, when in position upon the outer end of the sleeve, as shown in Figs. 1 and 3, closes the spring-pieces *g* upon the socket-piece, and when moved to a position upon the inner end of the sleeve, as shown in Figs. 2 and 4, allows the spring-piece *g* to expand or spring away from the outer end, *c*, of the socket.

In practice the pen *j* is placed in position between the spring-pieces and the socket when the sliding band *i* is upon the inner portion of the sleeve, as shown in Figs. 2 and 4. The band *i* is then moved to the outer end of the socket, which closes the spring-pieces toward the socket, and the piece which impinges upon the outside of the pen firmly and securely retains it in position.

In using the pen, ink containing acid is liable to follow up the pen and pass between the pen and socket and the portions retaining the pen in position and produce a corrosion of the

parts, which prevents the withdrawal of the pen in the common form of pen-holders; but it in no way affects my herein-described pen-holder, as, should the corrosion of the parts
5 take place, by sliding the band *i* to the inner portion of the sleeve *d* the pieces *g* spring outwardly, and the pen may then be freed to drop from the holder by a slight tap, and this also avoids the necessity of applying the fin-
10 gers to the inky pen for its removal from the holder.

I am aware that pen-holders are in use having a central socket or barrel with a sleeve sliding thereon for retaining the pen in posi-
15 tion or for releasing the same, and I do not claim the socket and sliding sleeve, broadly; but with my improved construction the pen is more easily released, as the sliding band *i* is free from contact with the ink and not lia-
20 ble to corrosion, and when the band is moved to the rear the spring-pieces *g* are entirely free, or if held by corrosion are instantly freed by pressing upon the projecting portion of the pen, which it will be seen, of course, is a

very great advantage over the forms of pen- 25 holders having a sliding sleeve, which is liable to become corroded by the ink and rigidly held thereby against a rearward movement.

Hence, what I claim as my invention, and de- 30 sire to secure by Letters Patent, is—

In a pen-holder, the combination of the cen- 35 tral socket, *b*, provided with a closed outer end, the sleeve *d*, surrounding and rigidly secured by its inner end to the said socket and provided on its outer end with longitudinal 35 slits *f*, and having the pieces *g* between the slits spring outwardly and away from the socket, and the movable band *i*, surrounding the sleeve for clasp- ing and retaining the said
40 spring-pieces *g* upon the pen and socket, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK H. DURELL.

Witnesses:

WM. GOLDIE,
JAS. E. THOMAS.