

(No Model.)

J. R. TOWNSEND.

LEAD PENCIL ATTACHMENT FOR FOUNTAIN PENS.

No. 487,799.

Patented Dec. 13, 1892.

FIG. 1.

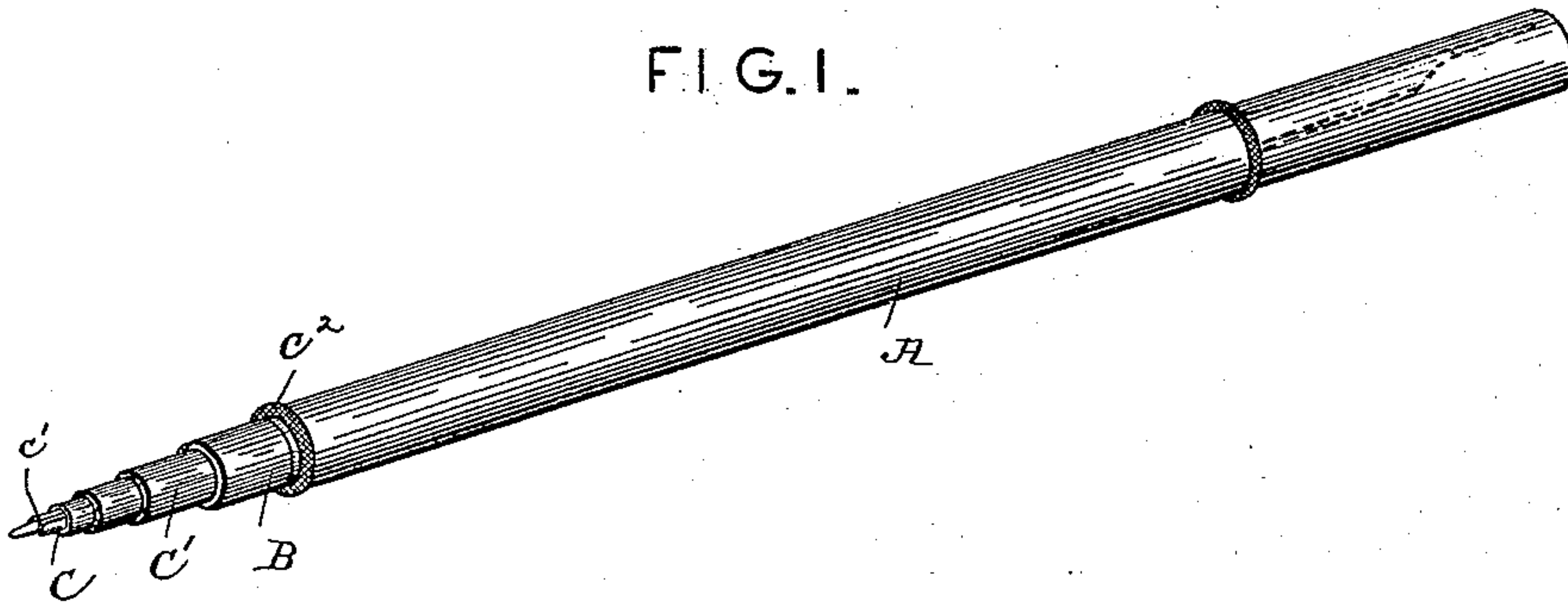


FIG. 2.

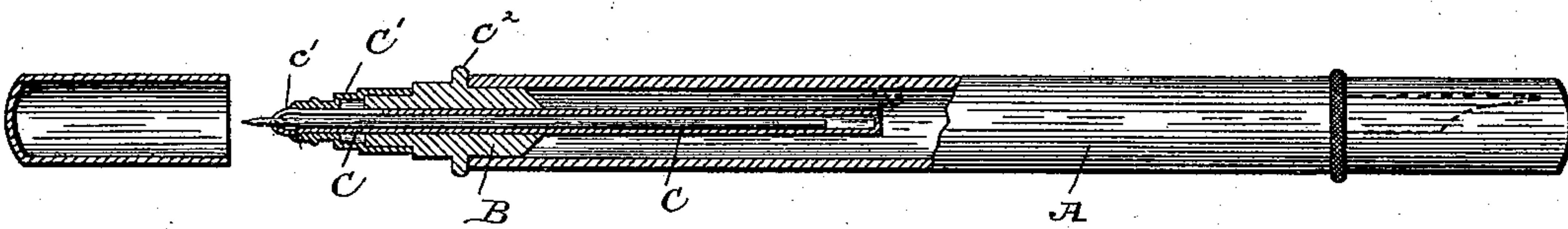


FIG. 3.

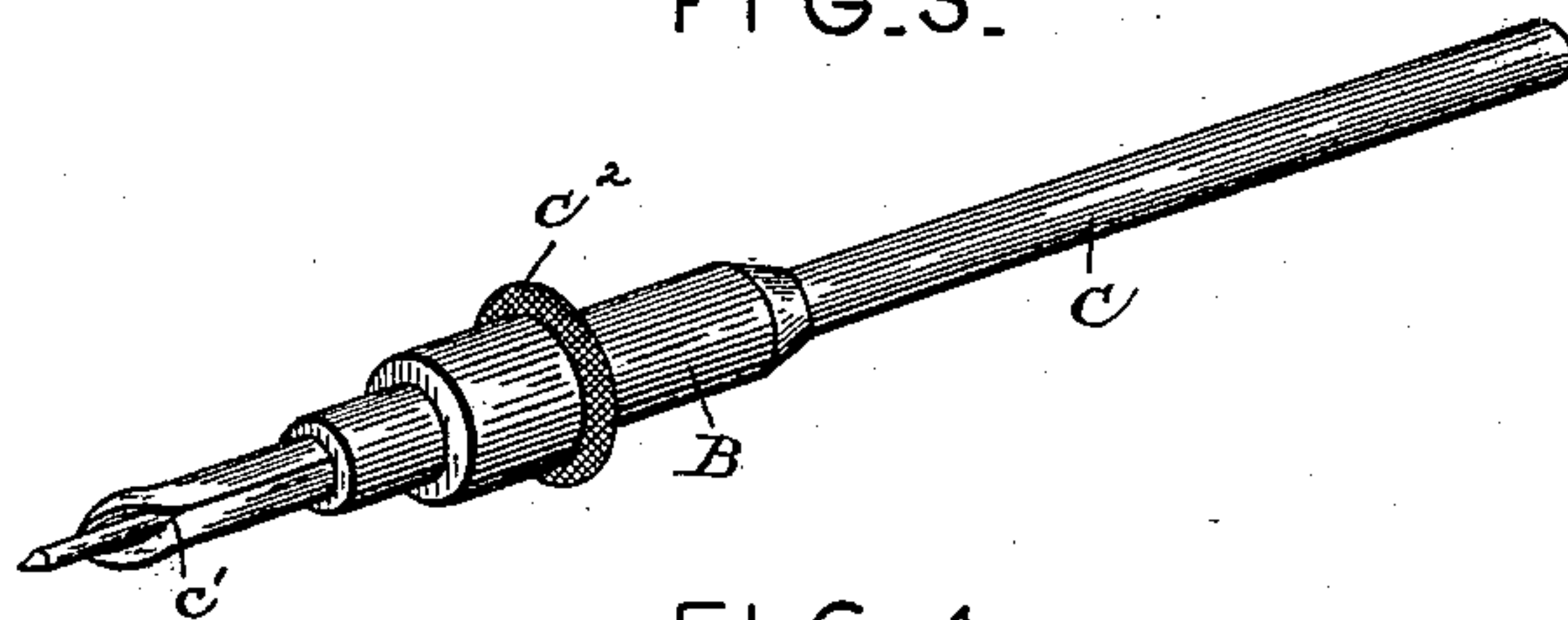
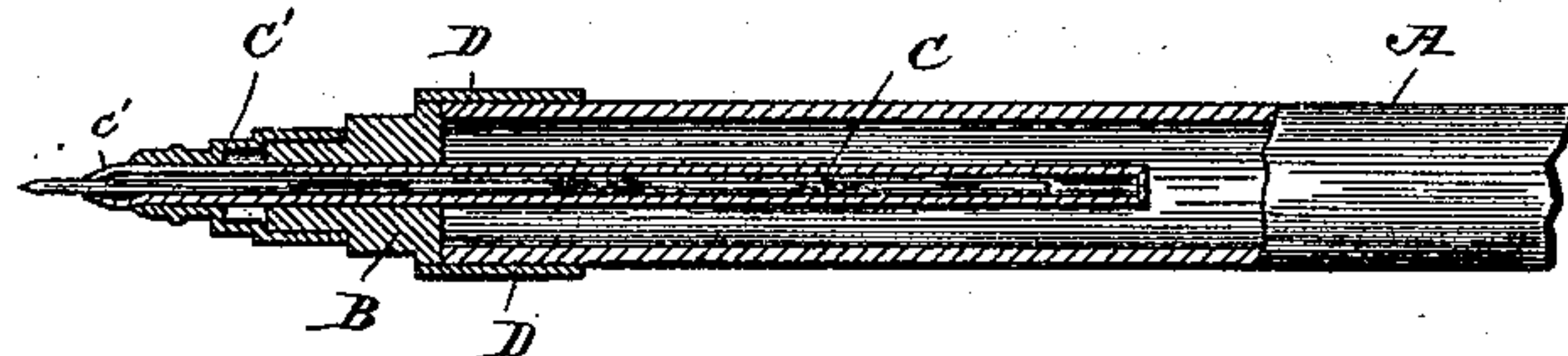


FIG. 4.



Witnesses

Inventor

Harry L. Amer.

John R. Townsend.

Chas. B. Hyer

By his Attorneys,

CA Snow & Co.

UNITED STATES PATENT OFFICE.

JOHN R. TOWNSEND, OF BLOOMSBURG, PENNSYLVANIA.

LEAD-PENCIL ATTACHMENT FOR FOUNTAIN-PENS.

SPECIFICATION forming part of Letters Patent No. 487,799, dated December 13, 1892.

Application filed February 29, 1892. Serial No. 423,195. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. TOWNSEND, a citizen of the United States, residing at Bloomsburg, in the county of Columbia and State of Pennsylvania, have invented a new and useful Lead-Pencil Attachment for Fountain-Pens, of which the following is a specification.

My invention relates to certain new and useful improvements in lead-pencil attachments for fountain-pens; and it consists in the construction and arrangement of parts, as will be hereinafter more fully described, and pointed out in the claim.

The object of my invention is to provide an attachment of this character which may be readily applied to the fountain-pens now in use, and renders a convenient and simple mode of constructing a fountain-pen with the additional facility and advantage of a pencil attachment.

In the drawings, Figure 1 is a perspective view of a fountain-pen embodying my improvement. Fig. 2 is a sectional elevation of a fountain-pen, showing my attachment applied thereto. Fig. 3 is a detail perspective view of the attachment shown removed from the pen. Fig. 4 is a detail view in sectional elevation showing a modified form of construction.

Referring to the drawings, A designates a fountain-pen of any preferred form or construction, in the end of which opposite to the end to which the pen part is applied is inserted a plug B, having a metallic tube C, extending therethrough and projecting from opposite ends thereof. This tube is closed at one end and slitted, as at *c'*, at the other end to thereby adapt it to fit leads of various cross-sectional diameters, and over the said split portion of the tube is fitted a cap C' for securely holding the lead within said tube.

If desired, a covering-cap for the entire pencil attachment may be used, the construction thereof being similar to that used in connection with the opposite end of the pen. The plug B and the tube C may be formed separately or integral and of any suitable material, such as hard rubber, bone, composition of materials, or metal, and the manner of securing said plug in the end of the barrel of the fountain-pen may be of any of the well-known forms, such as riveting, by screw-

threads, or frictional contact. The end of the tube C which projects within the barrel of the pen is made closed, so that the ink which may be contained within the pen-barrel cannot leak out therethrough. The cap or slide C', which fits over the projecting end of the tube C to hold the lead in connection therewith, may be connected to said plug B by a screw, spring, or rivet, as will be readily understood. The plug is provided with a circumferential bead C², that is adapted to abut against the end of the body of the pen, and thereby limit the inward movement of said plug. It will be observed that the outer projecting part of the plug is formed with a shoulder circumferentially extending around the same and intermediate of its length to reduce the outer extreme portion of the said plug, and the free end of the latter also provides a shoulder of circumferential form and of less diameter than the aforesaid shoulder. The cap or slide C' has the inner end thereof normally bearing against the larger shoulder and is formed with a smaller portion in advance of the said inner end thereof to provide a reduced shoulder that abuts against the front end of the said plug, and thereby the inner end of the slide is removed from contact with the barrel of the pen or with the bead C², and is thereby removed from contact by the fingers and prevented from being accidentally slipped off.

It will be readily appreciated that minor changes and arrangement in the several parts of the device might be made without in the least departing from the nature or spirit of my invention.

In Fig. 4 the plug B has a ferrule D connected therewith and slipped over the barrel of the fountain-pen to form a means of attachment therefor, the other features of the device being the same as those heretofore set forth, with the exception that the plug is made slightly shorter. This form of device is equally as efficient as that heretofore described and provides a convenient means of applying the pencil attachment to the pen.

Having thus described my invention, what I claim as new is—

The combination of a tubular pen-body, a plug having an opening extending centrally therethrough, and an exterior limiting-bead adapted to abut against the front end of the

said pen-body, and a shoulder in advance of
said bead, a tube inserted through and pro-
jecting beyond the opposite end of said plug
and having an inner closed end and an outer
5 split end, both ends of said tube extending
beyond the ends of the plug and adapted to
hold and receive lead, and a cap or slide hav-
ing the inner end thereof bearing against the
shoulder of the plug that is located in ad-
10 vance of the bead thereof, and another shoul-
der of less diameter bearing against the front

terminating end of said plug, said slide being
removably fitted over the said plug and con-
trolling the feed of the lead in the tube car-
ried by said plug, substantially as described. 15

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

JNO. R. TOWNSEND.

Witnesses:

GEO. E. ELWELL,

J. K. BITTENBENDER.