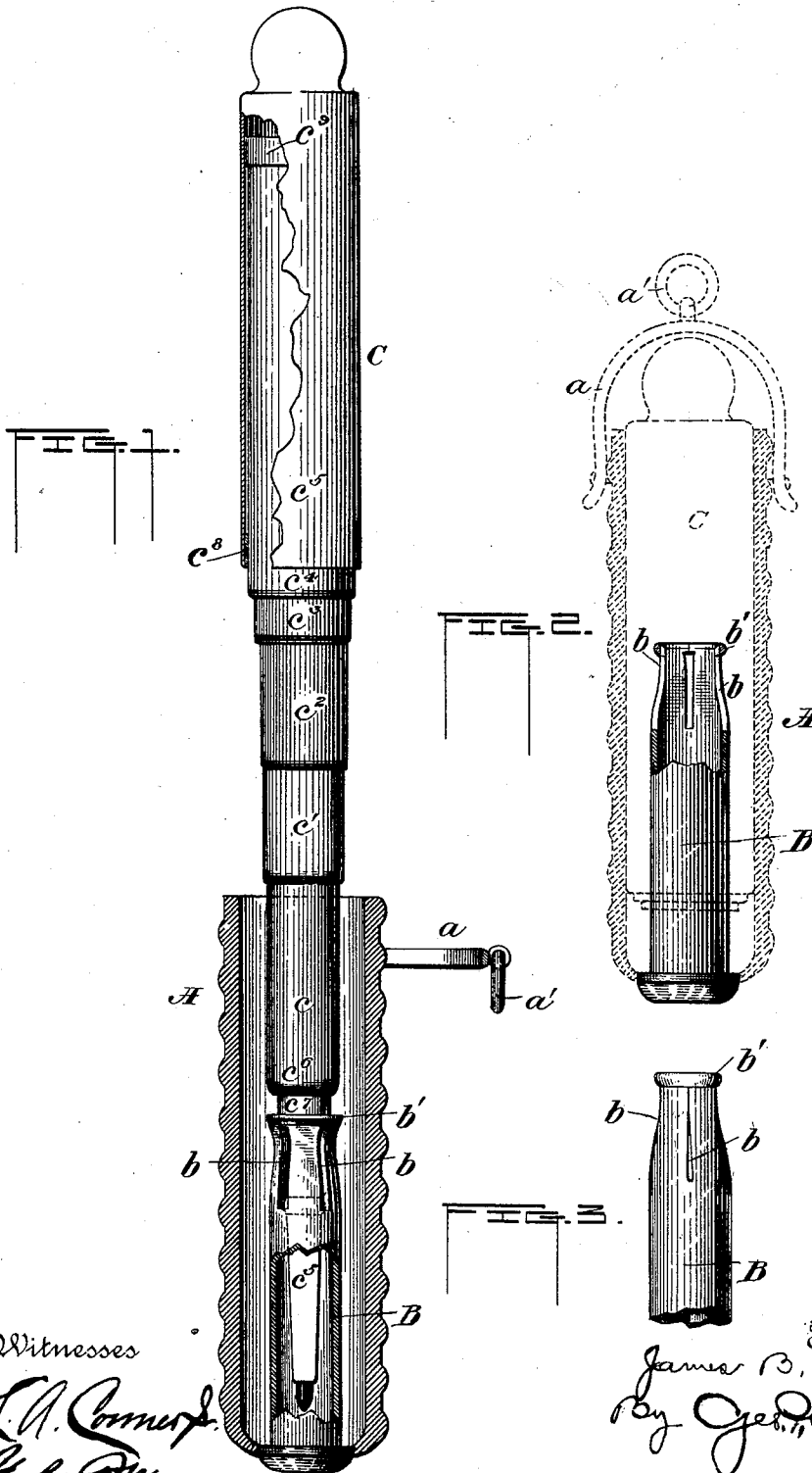


(No Model.)

J. B. SMITH.
PENCIL CASE.

No. 480,479.

Patented Aug. 9, 1892.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES B. SMITH, OF BROOKLYN, ASSIGNOR TO EDWARD TODD & CO., OF
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PENCIL-CASE.

SPECIFICATION forming part of Letters Patent No. 480,479, dated August 9, 1892.

Application filed April 23, 1892. Serial No. 430,396. (No model.)

To all whom it may concern:

Be it known that I, JAMES B. SMITH, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Pencil-Cases; 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 of reference marked thereon, which form a part of this specification.

My invention relates to extensible pencils, and also to a case or sheath for holding the same to enable them to be conveniently carried in the pocket or suspended from a watch-chain or cord.

Heretofore extensible pencils have been provided with some mechanism for extending them or for bringing out the tip, and such pencils have been held in cases or sheaths having resilient sides or containing a resilient lining to receive and clasp the outside of the pencil when thrust into the case. My invention aims to provide a pencil composed of sections sliding one within the other, like the joints of a telescope, which can be readily drawn out or shut up at will; and my invention also includes a case for a telescopic pencil, pen, or the like, arranged to clasp only the tip of the pencil, so that when the pencil is drawn out of the case it is at the same time extended to its full length, the tip being held with sufficient firmness to resist the friction of the sliding joints of the pencil, and being thereby the last portion of the pencil to be released from the case. I accomplish this by placing the clamp for the tip portion in the center of and concentric with the case and small enough in diameter to enter the first joint of the pencil, so that not only the first, but all the joints will slide down over and inclose the clamp when the pencil is thrust into the case.

In the drawings, Figure 1 is a vertical section of a pencil-case containing my improvement, the clamp being shown partly in section and the pencil being shown partly extended and also partly in section. Fig. 2 shows

the clamp in full lines and the pencil and case in dotted lines, and Fig. 3 shows a modification.

The body A of the case may be of any suitable material and ornamented in any desired manner. It is shown as provided with a yoke *a* and a ring *a'* for attaching it to a watch-chain; but these are not essential. Its interior may be either cylindrical or polygonal to correspond with the shape of the pencil. One end of the body is closed, and secured to this end is the clamp B, consisting of a tube arranged concentric with the walls of the body A. The clamp is slotted longitudinally at or near its upper end and the material between the slots *b* is slightly bent inward, so as to contract the cross-area of the throat of the tube. The end of the tube is preferably strengthened by the collar *b'*.

The pencil C is composed of several telescopic joints *c c' c''*, &c., the outer of which is adapted to fit snugly into the body A. The tip portion *c* has a shoulder *c'*, below which is a small portion *c''*, made slightly larger than the contracted throat of the clamp B, so as to fit tightly therein. The inner diameter of the first joint *c'* is large enough to permit it to slip down over the clamp, so that when the pencil is shut into the case the annular space around the clamp will be occupied by the several nested joints, as indicated in Fig. 2. The several joints are prevented from separating by the internal collar *c''* on a larger joint engaging with the external collar *c'* of the next smaller joint. The joints slide so stiffly on each other that the friction is quite sufficient to keep the pencil extended when drawn out. The several sections are made of thin metal, and the absence of all internal mechanism for extending the pencil renders it light and easy to handle. The tip portion *c c'* is provided with the usual lead-propelling devices, which need not be described.

The modification shown in Fig. 3 differs from the clamp shown in Figs. 1 and 2 only in that the upper end of the tube is the narrowest part, whereas in Fig. 1 and 2 the narrowest part is a little below the upper end.

Having thus described my invention, what

I claim, and desire to secure by Letters Patent, is—

1. A case for telescopic pencils and the like, consisting of a body containing a clamp for the tip portion of the pencil, said clamp being secured in the center of the body so as to leave around it an annular space for the joints of the pencil, substantially as described.
2. A case for telescopic pencils, consisting of a body containing a clamp for the tip portion of the pencil, said clamp consisting of a tube having resilient sides arranged centrally in the body with an annular space around it to receive the other portions of the pencil, substantially as described.
3. The combination, with the body A, of a clamp B, consisting of a tube secured centrally in the body at one end and having its other end slotted longitudinally and slightly contracted, said tube having an annular space around it, substantially as described.
4. The combination, with the body A, of the tube B, secured concentrically therein, having at one end the slots *b* and the collar *b'*, the material between the slots being slightly contracted, said tube having an annular space around it, substantially as described.
5. An extensible pencil composed solely of

several telescopic joints, substantially as described.

6. An extensible pencil composed solely of the several telescopic joints *c c' c''*, &c., sliding stiffly on each other, the tip portion being provided with lead-propelling devices, substantially as described.

7. An extensible pencil comprising the telescopic joints *c c' c''*, &c., provided with internal collars *c³* and external collars *c²*, substantially as described.

8. The combination, with an extensible pencil composed of telescopic joints, of a clamp adapted to engage with the tip portion of said pencil, whereby the pencil will be extended before the clamp releases said portion, substantially as described.

9. The combination, with an extensible pencil composed of telescopic joints, of a case for receiving said joints and a clamp attached to said case for engaging the tip portion of said pencil, substantially as described.

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

JAMES B. SMITH.

Witnesses:

HAROLD SWAIN,
AMBROSE G. TODD.