

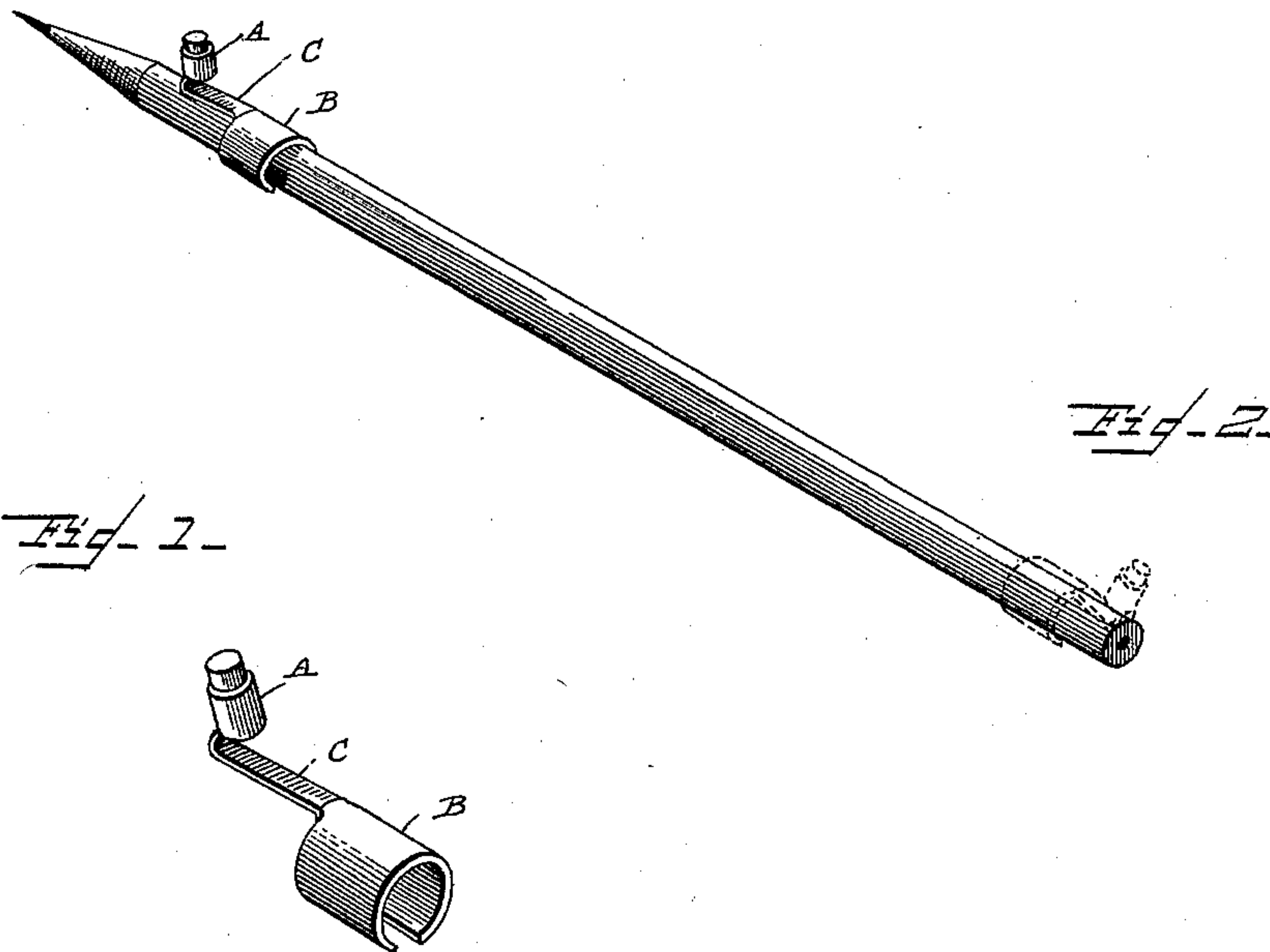
(No Model.)

F. E. CROSS.

RUBBER TIP ATTACHMENT FOR PENCILS AND THE LIKE.

No. 384,563.

Patented June 12, 1888.



WITNESSES.

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UNITED STATES PATENT OFFICE.

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RUBBER-TIP ATTACHMENT FOR PENCILS AND THE LIKE.

SPECIFICATION forming part of Letters Patent No. 384,563, dated June 12, 1888.

Application filed March 31, 1888. Serial No. 269,098. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK E. CROSS, of Waterbury, in the State of Connecticut, have invented a certain new and useful Improvement in Rubber-Tip Attachments for Pencils and the Like, of which the following is a specification.

Heretofore it has been customary to place the rubber or erasive material on the end of the pencil opposite to that which is sharpened and with which the writing or marking is done; consequently whenever the use of the eraser is required the pencil must be reversed or turned end for end in the hand.

The object of my improvement is to avoid this and to provide an attachment which can be applied to and used with the writing or marking end of the pencil, thus avoiding reversing the pencil every time the eraser is needed while the pencil is in use.

The nature of my invention can best be explained and understood by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of an attachment embodying my invention in its preferred form. Fig. 2 is a representation of the same as applied to a pencil.

The attachment consists, essentially, of a tube, sleeve, or clamping-ring, B, (preferably split,) which is open from end to end, and a laterally-projecting eraser holding or receiving socket, A, which is located to one side of the bore of the tube B, so that the pencil can project through and beyond each end of the tube without interfering with the eraser or without being interfered with by the latter. This socket, it will be understood, is typical of any of the known devices—such as jaws, clamps, or the like—used in attachments of this kind for retaining the rubber or erasive material. I prefer to mount this socket A upon the end of a spring-strip, C, carried by and in fact formed in one with the tube or sleeve B, and having a slight inward set, so that when the device is fitted upon the pencil, as seen in Fig. 2, the strip will bear upon or

against the pencil and will act as a friction-pad to steady and assure the device in position when the eraser is in use. It will be observed that the attachment when thus fitted to the front end of the pencil will not interfere with the free use of the latter for writing or marking purposes, and it is for uses in this connection that I have principally designed it. The attachment thus placed is shown in full lines in Fig. 2; but it also will be observed that the attachment, being removable and adjustable, can be fitted, if desired, to the rear or unsharpened end of the pencil, as indicated by dotted lines in Fig. 2.

The device can be readily made from a single continuous piece or blank of sheet metal properly shaped for the purpose, and it is this construction which I have represented in the drawings.

Having described my improvement and the best way now known to me of carrying the same into effect, what I claim herein as new and of my own invention is as follows:

1. A rubber-tip attachment for pencils and the like, consisting of a tube, sleeve, or ring open from end to end and adapted to fit upon the pencil, and a rubber or eraser holding socket secured thereto and laterally projecting therefrom and located to one side of the bore of the said tube or sleeve, so that the pencil can project through and beyond both ends of the tube without interfering with or meeting the eraser, as and for the purposes hereinbefore set forth.

2. The rubber-tip attachment consisting of the sleeve or ring B, the inwardly set spring-arm or friction-pad C, and the laterally-projecting socket or rubber-holder A, these parts being constructed and arranged substantially as and for the purposes hereinbefore set forth.

In testimony whereof I have hereunto set my hand this 23d day of March, A. D. 1888.

FREDERICK E. CROSS.

Witnesses:

C. H. BRONSON,

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