

H. W. Holly.
Pencil Holder.

N^o 58102. Patented Sept. 18. 1866

Fig: 1.

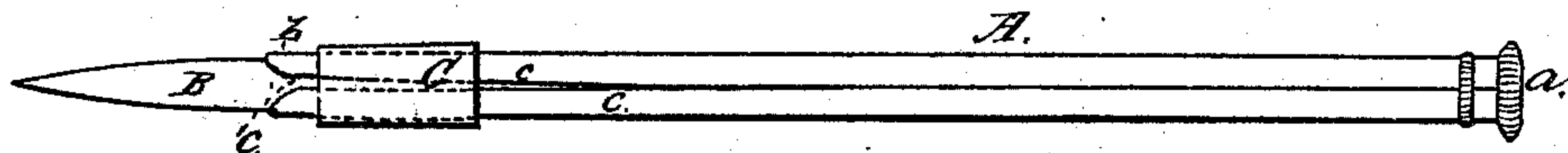


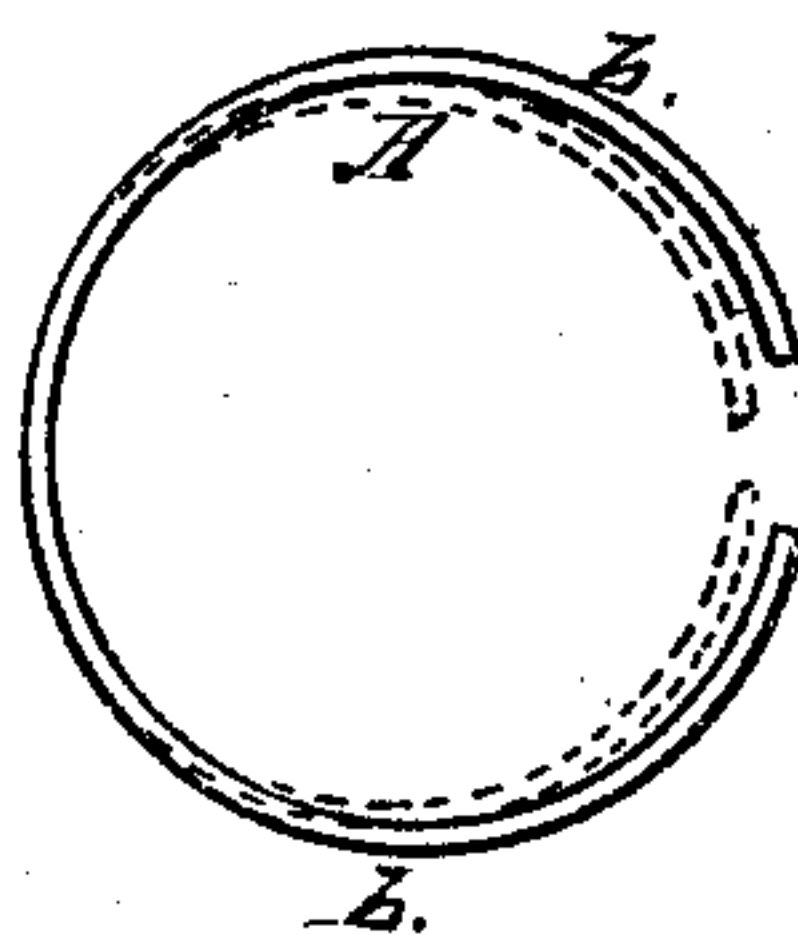
Fig: 2.



Fig: 4.



Fig: 3.



UNITED STATES PATENT OFFICE.

HENRY W. HOLLY, OF NORWICH, CONNECTICUT.

PENCIL-HOLDER.

Specification forming part of Letters Patent No. 58,102, dated September 18, 1866.

To all whom it may concern:

Be it known that I, HENRY W. HOLLY, of Norwich, in the county of New London and State of Connecticut, have invented a new and useful Improvement in Pencil-Holders; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of a pencil-holder constructed according to my invention. Fig. 2 is a transverse section of the same. Fig. 3 is a transverse section of a portion thereof on a greatly-enlarged scale. Fig. 4 is a transverse section, showing the construction of the common pencil-holder.

Similar letters of reference indicate corresponding parts in all the figures.

The pencil-holders in common use for holding pencils, crayons, &c., consist of a tube one end of which is divided longitudinally at opposite sides, thus forming two clamping-tongues upon the end of the tube, which are pressed together by means of a sliding ring or collar to grasp or hold the pencil between them. This construction is objectionable, for the reason that the space between the said clamping-tongues is elliptical in form, so that the pencil is grasped only at its two opposite sides, and inasmuch as the said tongues are necessarily of considerable thickness to make them sufficiently stiff and strong. This invention is designed to obviate these defects; and it consists in a novel construction of the holder, whereby it is enabled to concentrically hold the pencils or crayons by pressure upon all points of their circumference, and whereby it may be made of thinner metal, which not only renders it lighter, but reduces the cost of manufacturing it.

To enable others to understand the construction and operation of my invention, I will proceed to describe it with reference to the drawings.

A is the stem or body of the holder, which is of tubular form, and may be made of a strip of thin sheet metal bent or folded into suitable shape. One end of this tube may be closed, or provided with an ornamental head, *a*, while the opposite end, *b*, is left open to receive the pencil B. Extending inward longitudinally from this open end *b* of the stem

A, upon one side of the said stem, is a slit, *c*, which extends some distance toward the head and tapers to a point at its inner end, or, in other words, is widest at the open end of the said stem. The said open end of the stem A is made tapering, so that a sliding ring or collar, C, may be slipped upon it in such manner that when the said ring is pushed inward it will compress the said end of the stem A, so that the edges thereof upon the opposite sides of the slit *c* will approach each other, and thus reduce the diameter of the stem at that part at the same time that the ring or collar C causes it to retain its circular or concentric shape, as shown by dotted lines in Fig. 3.

The pencil or crayon is secured in the holder by first pushing the ring or collar C forward or outward, which allows the elasticity of the metal to expand the open end *b* of the stem, the edges thereof receding from each other, and thus widening the slot *c* until the space within the said end is enlarged sufficiently to allow the end of the pencil to be inserted therein, which being done, the collar C is pushed back or inward, and, acting upon the tapering surface of the end of the stem, compresses the said end, as just fully explained, so that the inner surface thereof is brought tightly and concentrically around the pencil, and thus holds it securely in the stem by an equal pressure upon all points of its circumference, while the metal forming the said end, being continuous instead of divided longitudinally into tongues, as in the common holder represented in Fig. 4, is rendered much stronger and stiffer in proportion to its weight, and may be made of the same thickness as the other portions of the tubular stem A, the reduced weight of metal required in the construction of the holder enabling it to be manufactured at a cheaper rate than those of the ordinary kind.

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

The holding stem or tube A, provided with a single slit, *c*, formed longitudinally in one side thereof, in combination with the sliding ring or collar C, substantially as herein set forth, for the purpose specified.

HENRY W. HOLLY.

Witnesses:

HENRY T. BROWN,
A. LE CLERC.