

(No Model.)

F. W. WARREN.
PENCIL SPLICER.

No. 605,440.

Patented June 7, 1898.

Fig. 1.

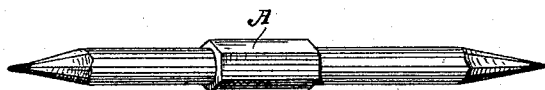


Fig. 2.

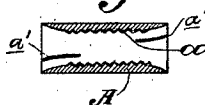


Fig. 3.



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FRANK W. WARREN, OF SAN FRANCISCO, CALIFORNIA.

PENCIL-SPLICER.

SPECIFICATION forming part of Letters Patent No. 605,440, dated June 7, 1898.

Application filed July 1, 1897. Serial No. 643,068. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. WARREN, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Pencil-Splicers; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to a device which is especially designed to splice or connect two different pencils, so that either two pencils of different colors or qualities or hardness may be used or to enable the person to use up short ends of pencils.

It consists in details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a view of my splicer. Fig. 2 is a similar view showing the ends flaring with cutting edges inserted. Fig. 3 is a cross-section of the same, showing the cutters in the inner face.

The special object of my invention is to provide a device by which short pencils or pencils of different quality or character can be united so as to be conveniently used. For this purpose I employ a short section A, which may be made cylindrical, hexagonal, triangular, rectangular, or any convenient form or desired shape to prevent its rolling about, or it may be milled or otherwise ornamented, and if the exterior surface is longitudinally fluted it is ornamental and also serves to retain the article in place and prevent its rolling. The interior of this section has screw-threads *a* formed within it. If the section be of solid material, these threads are cut sharply, and they have a groove or channel *a'* made transversely across the threads, so as to present a sharp angle which will serve as a die, so that when the pencil is to be introduced it is only necessary to screw it into the holder, which will serve at the same time as a die to cut threads upon the pencil end and a holder to hold it securely in place.

Another pencil of different character or quality or of the same kind, if desired, can be in the same manner screwed into the opposite end until the two pencils abut together, or, if preferred, a diaphragm B may be fixed midway between the ends of the holder, so that each pencil can be screwed up firmly

against this diaphragm and practically locked in place, the holder being of sufficient length to take enough of each pencil to hold it firmly.

Where pencils of different sizes are liable to be used, one or both ends of the holder may be divergent or coned outward and so formed as to reduce the larger pencil to the proper size, so that when it engages the thread in the inner portion the latter will cut into it and lock it in place.

When the tube is made rectangular or other polygonal shape or fluted upon the outside, it enables the operator to hold it more firmly when it is to be screwed upon the end of a pencil. By thus using the intermediate threaded thimble each pencil serves as a holder or handle for the other.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A pencil-holder consisting of a short tube internally threaded and with the threads cut transversely to present a sharp angle which forms a cutting-die.

2. A pencil-splicer consisting of a short tube having a threaded interior and a many-sided exterior, said internal threads being grooved transversely to present a sharp angle forming a cutting-die.

3. A pencil-splicer consisting of a short tube with internal screw-threads adapted to engage pencils introduced from opposite ends and having transverse cuts made across the threads to form a die to cut the threads upon said pencils.

4. A pencil-splicer consisting of a short tube internally threaded and having a diverging or bell-shaped end and transverse cuts made across the threads to present a sharp angle which forms a cutting-die.

5. A pencil-splicer consisting of a short tube having internal screw-threads and having its opposite ends bell-shaped or diverging where pencils may be introduced from both ends, and having interior transverse cuts or grooves forming cutting-dies for the threads.

In witness whereof I have hereunto set my hand.

FRANK W. WARREN.

Witnesses:

S. H. NOURSE,
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