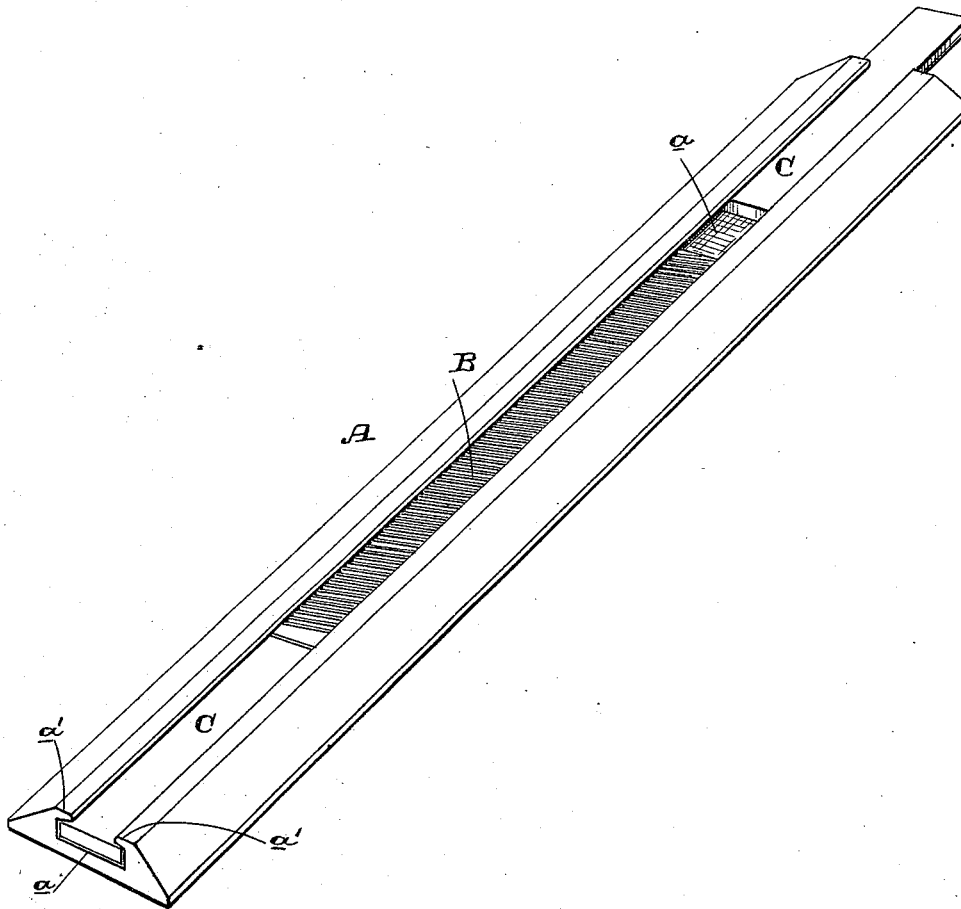


(No Model.)

J. T. HAZLETT.
COMBINED RULER AND PENCIL SHARPENER.

No. 418,870.

Patented Jan. 7, 1890.



Witnesses,
Geo. H. Strong,
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UNITED STATES PATENT OFFICE.

JOHN T. HAZLETT, OF SAN FRANCISCO, CALIFORNIA.

COMBINED RULER AND PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 418,870, dated January 7, 1890.

Application filed April 16, 1889. Serial No. 307,464. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. HAZLETT, of the city and county of San Francisco, State of California, have invented an Improvement in Combined Rulers and Pencil-Sharpeners; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to that class of school articles in which a ruler and a pencil-sharpener are combined in a single instrument or device; and my invention consists in the hereinafter-described novel arrangement and combination of the ruler and pencil-sharpener.

The object of my invention is to provide a simple, effective, and cheap article of this class.

Referring to the accompanying drawing for a more complete explanation of my invention, the figure is a perspective view of my combined ruler and pencil-sharpener.

A is the ruler, in the top of which is formed longitudinally a groove *a*, provided with inwardly-extending top flanges *a'*, forming guides for holding the pencil-sharpener and the sliding strips in place. In this groove is fitted the pencil-sharpener B, which consists of any suitable form or material adapted for the purpose—such, for example, as serrated steel. The groove is deep enough to allow the pencil-sharpener to lie below the surface of the ruler, so that the flanges *a'* form side ledges or guides in rubbing the pencil back and forth over the sharpener. The sharpener is held in place in its seat in the ruler by means of sliding strips C, fitted in the groove of the ruler at each end and coming up snugly to the end of the sharpener.

It is obvious that instead of using the strips C a suitable countersunk recess might be made directly in the ruler, deep enough to allow the sharpener to rest below the edges of the recess, which would thus serve as guides; but by the construction described the whole device may be made cheaply and the sharp-

ener may be readily inserted and removed, when necessary, for the substitution of another.

A great advantage in this combined ruler and pencil-sharpener is that the sharpener is so located in the ruler as to allow the side flanges *a'* to serve as guides, as heretofore mentioned, for the pencil in moving it back and forth over the sharpener, the movement being thus effected with perfect accuracy.

If desired, the ruler may be graduated in inches and fractions thereof.

I am aware that pencil-sharpeners have heretofore been combined with rulers and with sticks which served as rulers—as, for example, a piece of sand-paper tacked on the surface of a ruler or the frame of a slate. I also know of a ruler provided with a chamber in which a separate pencil-sharpener is contained, and which is so pivoted as to adapt it to be thrown outwardly to position for use when the sliding top of the ruler has been pushed back.

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

A combined ruler and pencil-sharpener consisting of a ruler having a longitudinal groove in its top with side flanges, and a pencil-sharpener seated in said groove with its surface below the surface of the ruler, whereby the side flanges serve as guides for the movement of the pencil, and the sliding strips in said groove at each end of the ruler and abutting against the ends of the sharpener for holding said sharpener in place, substantially as described.

In witness whereof I have hereunto set my hand.

JOHN T. HAZLETT.

Witnesses:

S. H. NOURSE,
J. H. BLOOD.