

(No Model.)

J. D. BARRIE.
DESK RULER.

No. 591,804.

Patented Oct. 19, 1897.

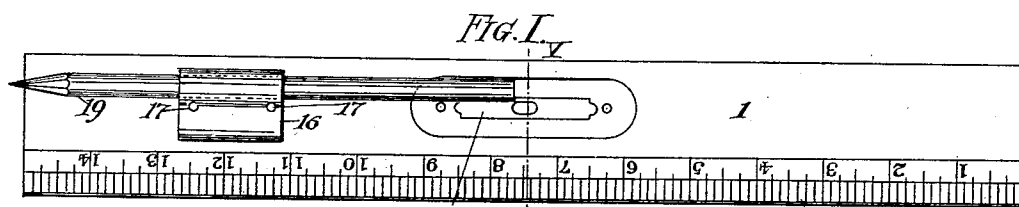


FIG. III.

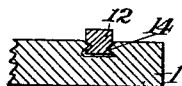


FIG. IV.

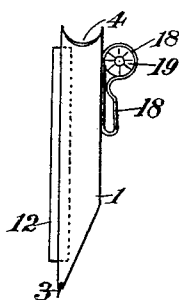


FIG. V.

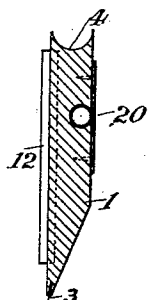


FIG. VI.

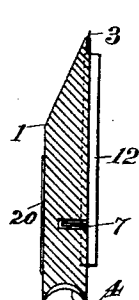


FIG. VII.

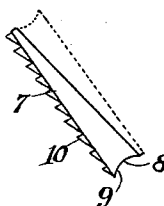
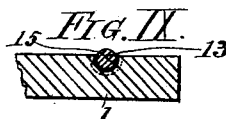
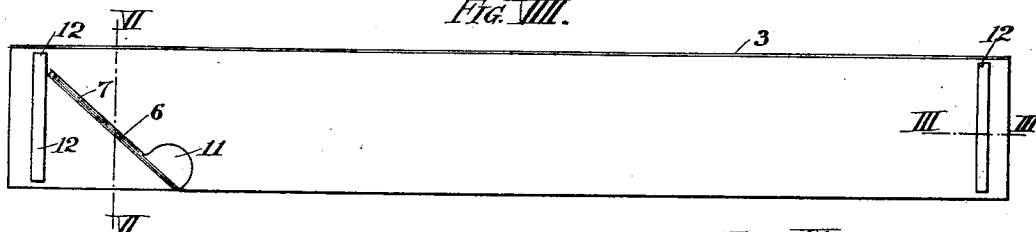


FIG. VIII.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN D. BARRIE, OF LOS ANGELES, CALIFORNIA.

DESK-RULER.

SPECIFICATION forming part of Letters Patent No. 591,804, dated October 19, 1897.

Application filed November 23, 1896. Serial No. 613,053. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. BARRIE, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles, State of California, have invented certain new and useful Improvements in Desk-Rulers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this description.

My invention relates to certain new and useful improvements in desk-rulers; and my invention consists in features of novelty hereinafter described and claimed.

Figure I represents a side elevation of a ruler, showing the usual inch-scale, my improved pencil-holder, and other useful features. Fig. II is an edge view. Fig. III is a section taken on line III III, Fig. VII. Fig. IV is an end view. Fig. V is a transverse section taken on line V V, Fig. I. Fig. VI is a transverse section taken on line VI VI, Fig. VIII. Fig. VII represents a side elevation of the pencil-sharpening knife. Fig. VIII is a side elevation of the ruler, showing the opposite side to that shown in Fig. I. Fig. IX is a detail sectional view showing manner of connecting rubber strip or tubing to the ruler.

Referring to the drawings, 1 represents the body of the ruler having the usual scale 2, with a metal-facing strip 3, and having a concave groove 4 formed in its thicker edge. The groove 4 may be inlaid with emery or other wearing material, as shown at 5, for giving the finishing touches in pointing a pencil.

6 represents a slot cut in the side of the ruler and running in a diagonal direction with the length of the ruler.

7 represents a pencil-sharpening knife having a sharp edge 8 for sharpening pencils. The upper end of the knife or the part that does the sharpening is made in concave form, as shown at 9, to agree with the concave groove 4 in the ruler. The knife 7 is provided with a number of serrations or teeth 10, said teeth pressing into the wood of the ruler when the knife has been forced sidewise into the slot 6. The knife 7 is triangular in form, but elongated, with the point of the triangle extending down to the lower end of the slot 6. By making the knife in this shape, as shown

in Fig. VII, I am enabled to form two knives out of an oblong piece of metal, as shown in full and dotted lines in Fig. VII, and having this shape it is much easier to withdraw the knife from the slot 6 in case it is desired to resharpen the same.

11 represents a cup-shaped recess in the ruler which extends to the outer surface of the same, said recess serving to catch the waste from the pencil and allow it to discharge from the point of the knife. In order to prevent the ruler from slipping when placed on an object when being used in drawing lines or for other purposes, I provide strips 12, of rubber or other elastic material, which I secure to the flat side of the ruler. The strips 12 may be square in form, as shown in Fig. VIII, or they may be made in the form of rubber tubing or round rubber, as shown at 13 in Fig. IX. The strips may be secured to the ruler on its face by means of glue, or they may be set into a recess 14, as shown in Fig. III, or they may be secured in a round orifice 15, as shown in Fig. IX, or by any other suitable means.

16 represents an elastic or other suitable strip secured to the flat surface of the ruler by means of tacks 17 or their equivalent, said elastic strip 16 having pockets 18 therein in which a pencil or pencils may be inserted.

20 represents a spirit-level secured in the side of the ruler, which indicates whether the ruler is level or not in drawing horizontal lines, for instance, on a blackboard or other vertical surface, the rubber strips assisting the operator in holding the ruler on the proper line when it has been obtained by means of the level.

I claim as my invention—

1. A desk-ruler having one of its edges grooved parallel with and extending the full length of the ruler forming a guide and knife projecting into said groove and having a cutting edge conforming to the shape of the groove for the purpose of sharpening pencils, substantially as set forth.

2. In a desk-ruler the combination of the body of the ruler, a groove formed in the edge of the ruler, a recess in the side of the ruler, a triangular pencil-sharpening knife secured in said recess, said knife having teeth or serrations which press into the wood of the ruler

and assist in holding it in position, substantially as set forth.

3. A desk-ruler having one of its edges
formed with a groove parallel with and ex-
5 tending the length of the ruler which groove
is coated with emery, and a knife project-
ing into said groove, whereby said groove is

adapted to sharpen pencils by combined cut-
ting and grinding action.

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