

No. 775,616.

PATENTED NOV. 22, 1904.

F. W. WARREN.

ERASER.

APPLICATION FILED SEPT. 6, 1904.

NO MODEL.

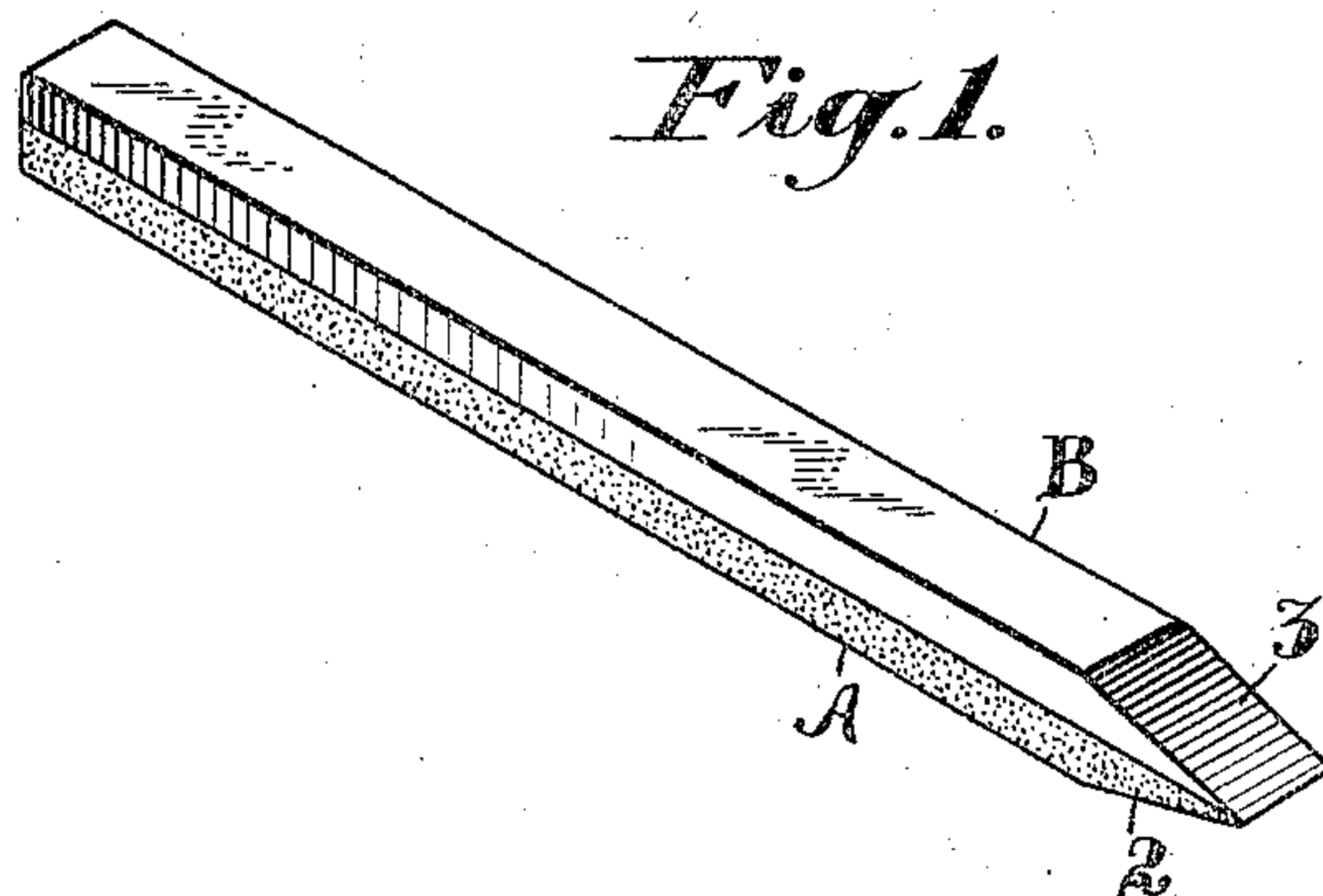


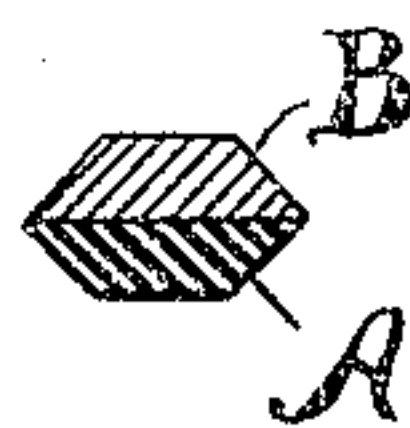
Fig. 2.



Fig. 3.



Fig. 4.



Witnesses:-

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UNITED STATES PATENT OFFICE.

FRANK W. WARREN, OF SAN FRANCISCO, CALIFORNIA.

ERASER.

SPECIFICATION forming part of Letters Patent No. 775,616, dated November 22, 1904.

Application filed September 6, 1904. Serial No. 223,394. (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 and State of California, have invented new and useful Improvements in Erasers of which the following is a specification.

My invention relates to erasers which are employed for removing ink or pencil marks from paper and for like purposes.

It consists in the novel combination of an erasing substance and a rigid backing and a novel union of the two in such a manner that a sharp erasing edge and a flat surface may be exposed beneath the support, which extends to the extreme thin edge of the eraser.

Referring to the accompanying drawings, Figure 1 is a perspective view of my eraser. Fig. 2 is a transverse section of same. Figs. 3 and 4 are transverse sections of modifications.

Various combinations of rubber or like erasing substance with wood or other holders have been made in which the rubber is inclosed in the holder; but none of these of which I am aware have provided for an exposed surface of the eraser and a thin edge which may be used for fine intermediate lines.

It is the object of my invention to provide such a device.

As shown in the drawings, A is a strip of rubber or other erasive material of any suitable or desired length, and B is a similarly-shaped rigid block, which for convenience may be made of wood. Two contiguous surfaces of the parts A and B are cemented together, and the ends of the two are made convergent to a thin edge, as shown at 2 and 3, the structure being substantially wedge-shaped at this end. The surface 2 of the erasing material may be of considerable extent, and for ordinary work this surface is employed; but in many instances it is desirable to employ an extremely thin or narrow edge of eraser, and as these erasers are made more or less flexible it is impossible to bring sufficient pressure upon such a thin edge as will effect-

ually do the work. My construction provides for this, inasmuch as the rigid back B extends entirely to the end of the eraser and forms a rigid support for this thin edge.

As the erasive substance gradually wears away, it is only necessary to shave off a small portion of the surface 3 sufficiently to expose the edge of the eraser, and the device may thus be maintained in operative condition as long as any portion of it is in existence.

It will be understood that the device may be made double, having a pencil-eraser at one end and an ink-eraser at the other; but the construction and operation will be the same in both cases.

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

1. The combination in an eraser of a bar of erasive material, a corresponding rigid bar fixed thereto, said bars having the ends inclined and meeting in the form of a wedge.

2. The combination in an eraser of a bar of erasive material, a correspondingly-shaped rigid bar, said bars having two contiguous faces cemented together and both of them having the ends made wedge-shaped whereby an inclined erasive surface and a thin edge are exposed for use.

3. The combination in an eraser of a bar of erasive material having one end inclined or beveled to a thin edge, a correspondingly-shaped wooden bar having its end similarly beveled or inclined, said bars being united with the inclined faces meeting in wedge form.

4. An eraser consisting of a bar of erasing material having all but one of its sides exposed, a corresponding rigid back, said eraser and back having contacting sides connected together.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FRANK W. WARREN.

Witnesses:

A. J. HENRY,
S. H. NOURSE.