

No. 36,854.

PATENTED NOV. 4, 1862.

J. RECKENDORFER.  
PENCIL.

Fig. 1.

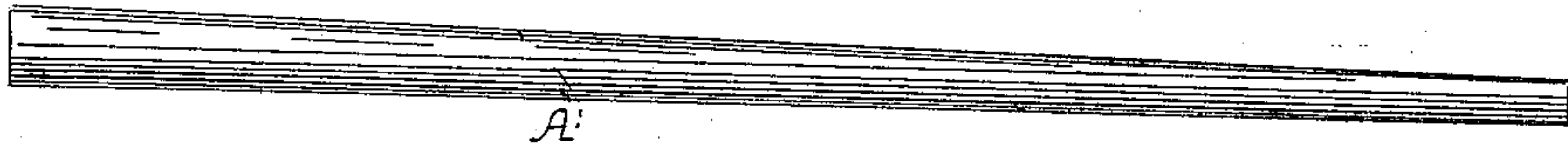


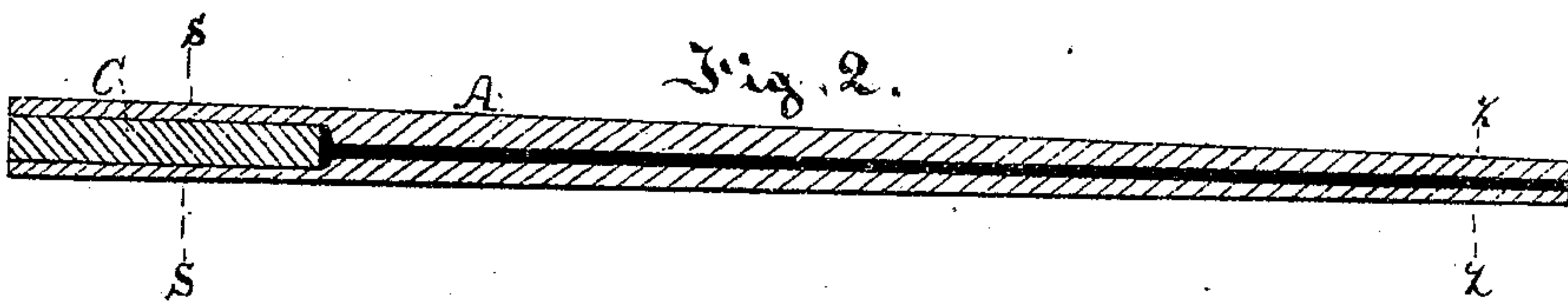
Fig. 3.



Fig. 4.



Fig. 2.



Witnesses.

Thomas S. Nelson  
John Patterson

Signature

J. Reckendorfer

# UNITED STATES PATENT OFFICE.

JOSEPH RECKENDORFER, OF NEW YORK, N. Y.

## IMPROVEMENT IN PENCILS.

Specification forming part of Letters Patent No. 36,854, dated November 4, 1862.

*To all whom it may concern:*

Be it known that I, JOSEPH RECKENDORFER, of New York, in the county and State of New York, have invented a certain new and Improved Pencil, whereof the following is a full and exact description, which I have prepared for the purpose of obtaining Letters Patent therefor.

My invention relates to wood-incased pencils, in which the black-lead or other marking material is employed in a portion of the length at one end and india-rubber or other erasive material is employed in another portion of the length at the other end.

The nature of my invention consists in making the exterior or wood of such pencil larger at one end than at the other, and of a form tapering for the whole or a portion of the distance, with an eraser fitted within the larger end, as shown in the drawings. This allows the eraser to be larger than is necessary for the lead to be without too much weakening the wood and without making the pencil cumbersome or inconvenient.

In the drawings, Figure 1 is a side view; Fig. 2, a longitudinal section; Fig. 3, a cross-section on the line S S, and Fig. 4 a cross-section on the line Z Z.

A is the wood casing of the pencil, made in two parts and glued together in the ordinary manner, but made larger at one end than at the other, as represented. This casing is grooved out with a small groove for the reception of the black-lead or plumbago B, as usual, but for only a portion of its length. The remainder at the larger end has a much larger groove, which is filled for nearly or quite its whole extent with india-rubber C, as represented.

Pencils of equal size throughout have been heretofore made with a slip of rubber fitted in place of the lead at one end, but such pencils have not become of any considerable practical importance, in consequence of the smallness of the rubber, and it has been held impracticable to make the rubber much larger without too much weakening the wood or making the entire pencil thick and awkward to handle.

By my invention the size of the rubber may be so increased while that of the lead remains the same, as to render it a very convenient and effective eraser.

In preparing the wood portions of my pencils I first saw the material into tapering slips lying alternately with the ends in opposite directions, and afterward reduce these pieces to the required form, thus economizing material as far as possible.

I make the exterior of my improved pencil of a round, square, hexagonal, octagonal, oval, or other section, as may be desired, and finish it in any style, but always make the end which contains the rubber of a larger diameter than the opposite end and tapering gradually. The lead and rubber may also be of any desired section, and may be also tapered, if preferred; but the rubber should always be the larger, and I prefer the uniform section of each, as represented.

Any other erasive material may be substituted for the rubber C, without affecting the character of my invention, or a crayon or lead of a different color or quality may be substituted therefor, if desired. Crayons and the softer qualities of lead require a larger section than that given to the part B, and the tapering form of the casing A possesses the same advantages for their employment in combination with the lead B as for the rubber.

I do not claim the combination of india-rubber and black-lead in the same wood case; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

The wooden case A of tapering form, in combination with the rubber C of larger section, and the black-lead B of smaller section arranged therein, substantially as and for the purpose herein described.

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

JOS. RECKENDORFER.

Witnesses:

THOMAS D. STETSON,  
JUAN PATTISON.