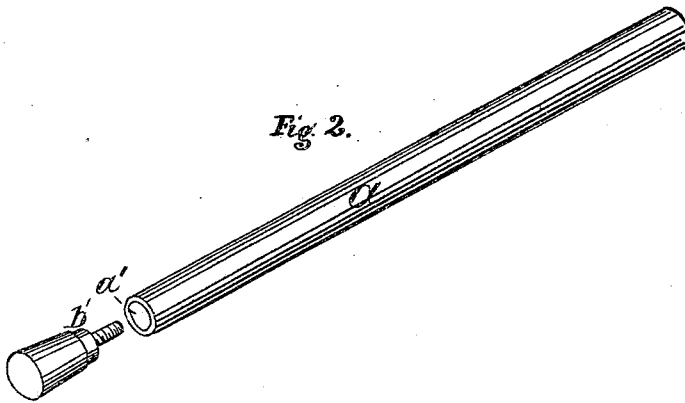
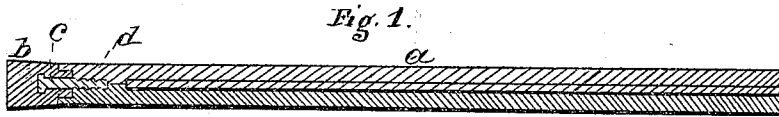


*J. Reckendorfer,*  
*Pencil.*

*No. 35961.*

*Patented Jan 19 1869.*



*Joseph Reckendorfer*  
*by his attorney*  
*A. Pollock*

Witnesses: *M. Bailey*  
*Wm. H. McKeen*

# United States Patent Office.

JOSEPH RECKENDORFER, OF NEW YORK, N. Y.

Letters Patent No. 85,961, dated January 19, 1869.

## IMPROVEMENT IN METHOD OF ATTACHING RUBBER TO PENCILS.

The Schedule referred to in these Letters Patent and making part of the same.

### To whom it may concern:

Be it known that I, JOSEPH RECKENDORFER, of New York, in the county and State of New York, have invented certain new and useful Improvements in Attaching Rubber Erasers to Pencils and other articles; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a section of a pencil with a rubber eraser-head attached, in accordance with my invention.

Figure 2 is a perspective view of the same, with the rubber head removed from its socket in the pencil.

The object of my invention is to provide a simple, durable, and efficient means for uniting a rubber eraser with the pencil, pen-holder, or other article, to which it may be applied, which will also serve to strengthen and stiffen the rubber; and

My invention may be stated to consist in securing the eraser-head to the article with which it is to be combined, by means of a central stem of metal, or equivalent material, partly embedded in the rubber head, and projecting therefrom so as to enter a socket formed for its reception in the pencil or other article, as hereinafter described.

When this stem is thus arranged, that part of it within the eraser will constitute a rigid and unyielding core, to stiffen and uphold the rubber, which is thus enabled to resist the pressure to which it is so often subjected, while the projecting portion of the stem, which may be either screw-threaded or plain, when inserted in its socket in the pencil or holder, will hold the eraser securely in place, and will solidly unite it with the holder.

In the drawings, I have represented the eraser, *b*, as applied to the end of an ordinary pencil, *a*.

In this case the greater part of the eraser-head is of the same diameter as the pencil, but its lower end, *b'*, is somewhat smaller, so as to fit in the countersunk end, *a'*, of the pencil.

Extending centrally through the eraser-head is a metal stem, *c*, around which the rubber is moulded, so that the two may be permanently united, the stem being roughened, or corrugated, or having a head, as seen in fig. 1, in order to allow the rubber to take firm hold.

The stem projects a suitable distance from the base of the eraser, so that when the pencil and eraser are put together, as in fig. 1, the stem will enter and fit tightly in a corresponding socket, *d*, formed in the pencil below the countersunk end *a'*.

This construction of the parts causes the eraser to be held most firmly and securely, for not only is it held by the stem *c*, which also stiffens it, but its con-

tracted end, *b'*, acting as a plug, is inserted and compressed within the countersunk part *a'* of the pencil-end, and thus serves to give it additional strength and stability.

It is obvious, however, that the contracted end *b'* may be dispensed with, the base of the eraser resting directly upon the end of the pencil, which, in this case, will be provided with the socket only; and, as represented in fig. 2, the stem may be screw-threaded, so as to screw into its socket, thus preventing all liability of the eraser becoming accidentally detached from its holder.

Another advantage attending the use of the stem *c* is, that as it is permanently united with the rubber, as above described, the latter cannot possibly slip from it, but the two must always remain together.

I am aware that rubber erasers have been heretofore united with their holders in various ways, by making the eraser hollow, so as to fit over the end of the holder, or by inserting the rubber in the end of the holder. But these methods are open to considerable objection, for, in the former case, the eraser must necessarily be greater in diameter than the pencil, so that when the pencil is withdrawn from the pocket, in which it is usually carried, the rubber head will be apt to catch and to draw out with it any papers which may happen to be in the pocket; and, in the latter case, the size of the pencil is increased, rendering it bulky and unsightly, as well as expensive.

My invention obviates all these defects.

As above described, the eraser may be made of the same diameter as the holder. The size of the holder need not be increased, even if the rubber be inserted in its end; and, under all circumstances, whether the rubber be inserted in the end or not, the eraser, by means of the central stem and core, will be maintained firmly and securely in position, and united solidly with the holder; therefore,

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

Uniting the rubber eraser with the pencil or other holder to which it is applied, by means of a rigid central stem, whether screw-threaded or plain, embedded in and permanently united with the rubber, and extending into a socket formed for its reception in the holder, substantially as and for the purposes set forth.

In testimony whereof, I have signed my name to this specification, before two subscribing witnesses.

JOS. RECKENDORFER.

Witnesses:

S. BRAISTED,  
SAMUEL P. BELL.