

(No Model.)

C. W. BOMAN.

RUBBER TIP ATTACHMENT FOR PENCILS OR OTHER ARTICLES.

No. 368,509.

Patented Aug. 16, 1887.

Fig. 1.

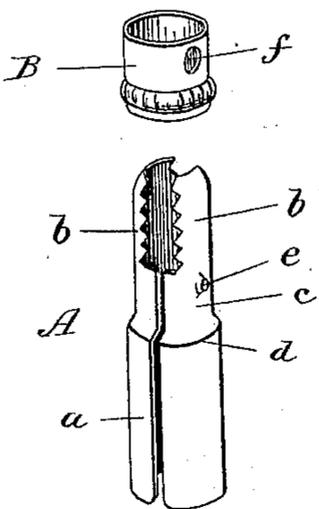
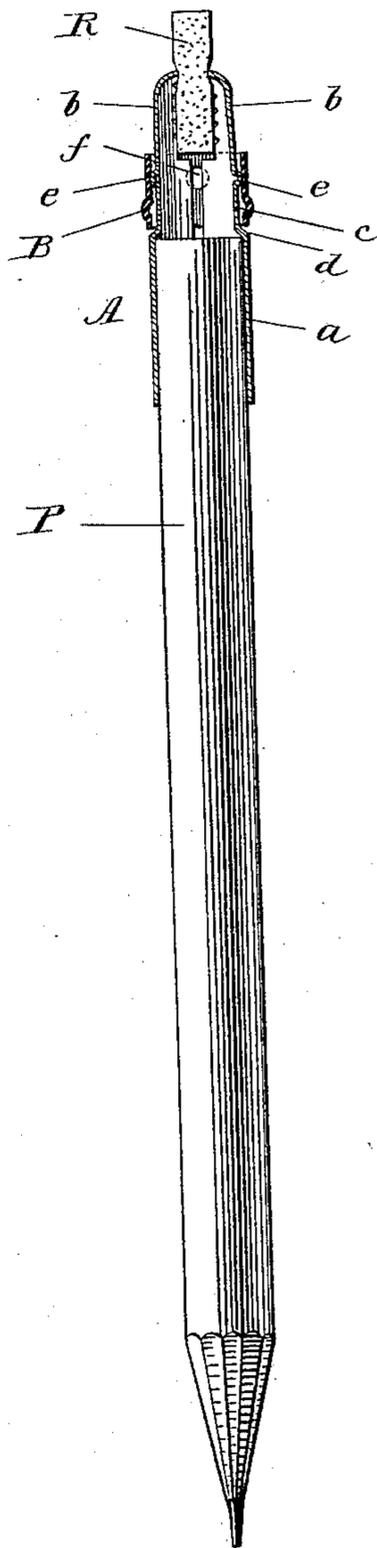


Fig. 2.



Witnesses:

Marvin A. Custis

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# UNITED STATES PATENT OFFICE.

CLAES WM. BOMAN, OF NEW YORK, N. Y., ASSIGNOR TO THE EAGLE  
PENCIL COMPANY, OF SAME PLACE.

## RUBBER-TIP ATTACHMENT FOR PENCILS AND OTHER ARTICLES.

SPECIFICATION forming part of Letters Patent No. 368,509, dated August 16, 1887.

Application filed June 30, 1887. Serial No. 242,979. (No model.)

*To all whom it may concern:*

Be it known that I, CLAES WM. BOMAN, of the city, county, and State of New York, have invented certain new and useful Improve-  
5 ments in Rubber-Tip Attachments for Pencils and other Articles, of which the following is a specification.

My improved rubber-tip attachment is characterized by rubber-grasping jaws and  
10 jaws or a tube to receive the end of the pencil or like article to which the attachment may be applied, in combination with a clamping-sleeve distinct and separate from both sets of jaws and encircling the rubber-grasping jaws, said  
15 sleeve and last-named jaws being provided the one with projections and the other with openings or recesses, whereby the bite of the jaws upon the rubber can be relaxed or tight-  
20 ened, according as the said projections are in or out of register with said openings or recesses.

The rubber-grasping jaws are formed in one with the split tube or jaws in which the end of the pencil is received.

25 The nature of my improvement will be readily understood by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of the two parts of the device separated from each other.  
30 Fig. 2 is a longitudinal axial section of the device provided with a rubber block and fitted to the end of a pencil.

The jaw portion A of the device is struck up from a properly-shaped blank of sheet-brass or other suitable metal to form the split  
35 tube *a*, which fits upon the end of the pencil P, the serrated jaws proper, *b*, and the cylindrical neck *c*, which is the seat for the rotatable clamping ring or sleeve B. This ring is  
40 held from longitudinal movement by any suitable means—in this instance by the projecting edges of the rubber block R on one side and on the other side by the shoulder *d*, which latter also serves to limit the extent to which the  
45 pencil can enter the attachment. The neck *c*

comprises the shanks of the jaws, and on each of these shanks is an external swell or protuberance, *e*. In the clamping ring or sleeve B are corresponding openings, *f*. When the sleeve is rotated to bring its openings into  
50 register with the protuberances *e*, the latter enter said openings, and thus by allowing the jaws to spread apart loosen their grasp upon the rubber. When, however, the sleeve is  
55 turned so as to remove the openings from over the protuberances *e*, the latter are pressed upon by the sleeve, and consequently cause the jaws to close and tighten their hold upon the rubber.

I do not broadly claim the combination, in  
60 a rubber-tip attachment for pencils and the like, of rubber-grasping jaws with an encircling sleeve, the two being rotatable with relation to each other, and provided the one with  
65 swells or protuberances and the other with openings or recesses, which may be brought into or out of register with said swells by rotating the one part in or upon the other; but,

Having described my improvement and the best way known to me of carrying the same  
70 into effect, what I claim as new and of my own invention is—

A rubber-tip attachment for pencils and like articles, comprising jaws or a tube to receive the end of the pencil formed in one with  
75 rubber-grasping jaws, and a clamping sleeve or ring encircling and rotatable upon the last-mentioned jaws, said rubber-grasping jaws and sleeve being provided the one with open-  
80 ings or recesses and the other with swells or protuberances, which may be brought into and out of register with said openings or recesses by turning the sleeve, substantially as and for the purposes hereinbefore set forth.

In testimony whereof I have hereunto set  
85 my hand this 13th day of June, A. D. 1887.

CLAES WM. BOMAN.

Witnesses:

ED. THIEMANN,  
E. BUOZHINNY.