

(No Model.)

J. A. COOK.

COMBINED PENCIL SHARPENER, ERASER, &c.

No. 296,730.

Patented Apr. 15, 1884.

FIG. 1.

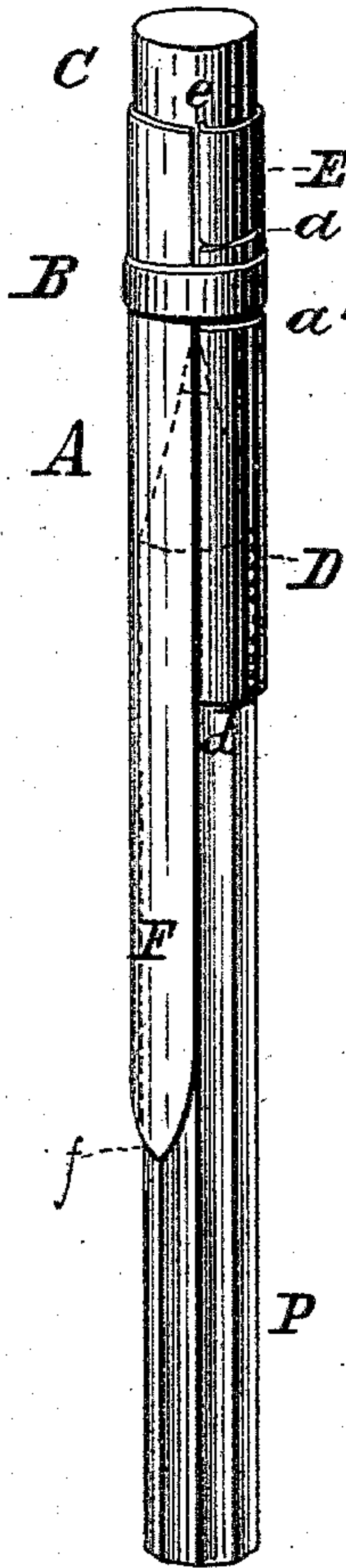


FIG. 2.

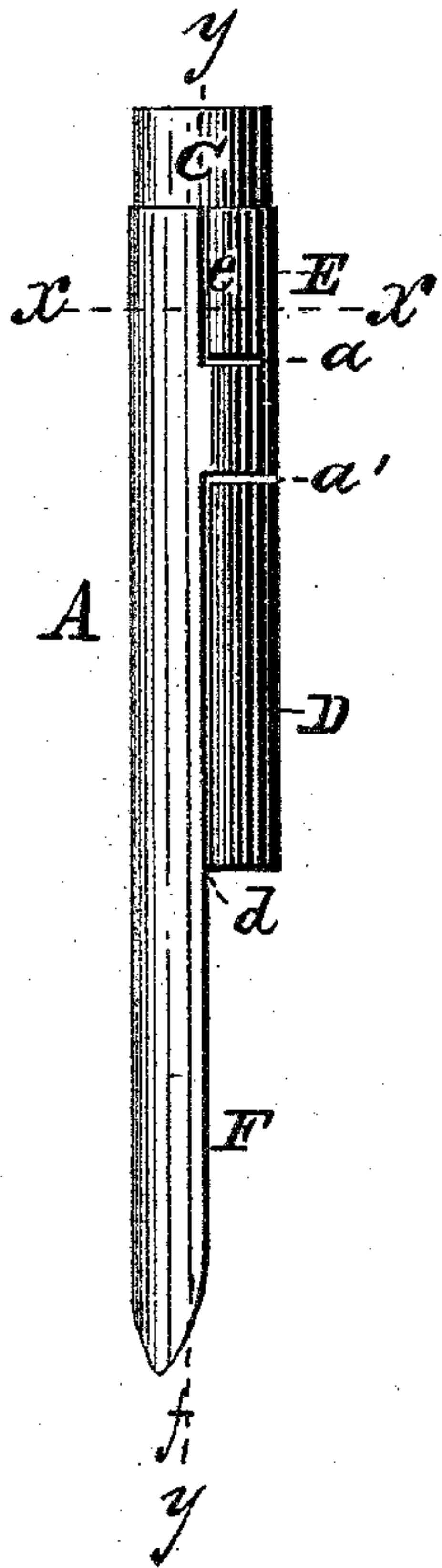


FIG. 3.

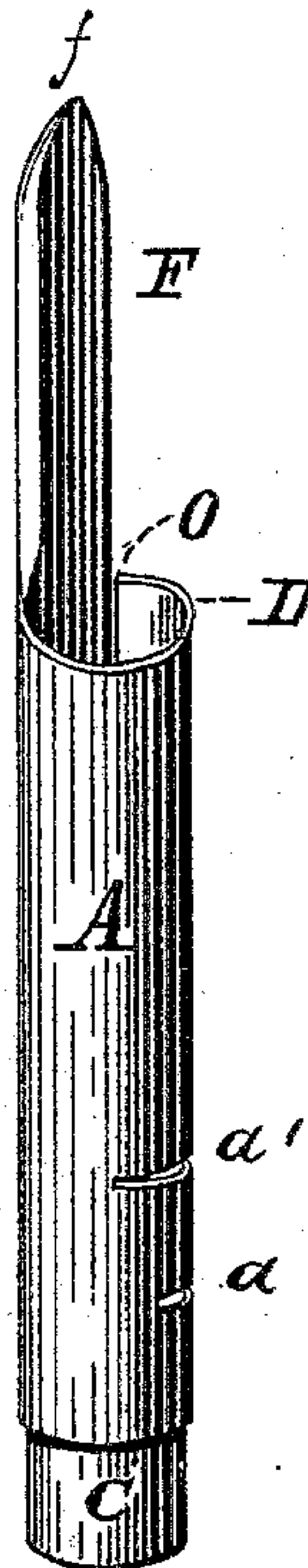


FIG. 4.

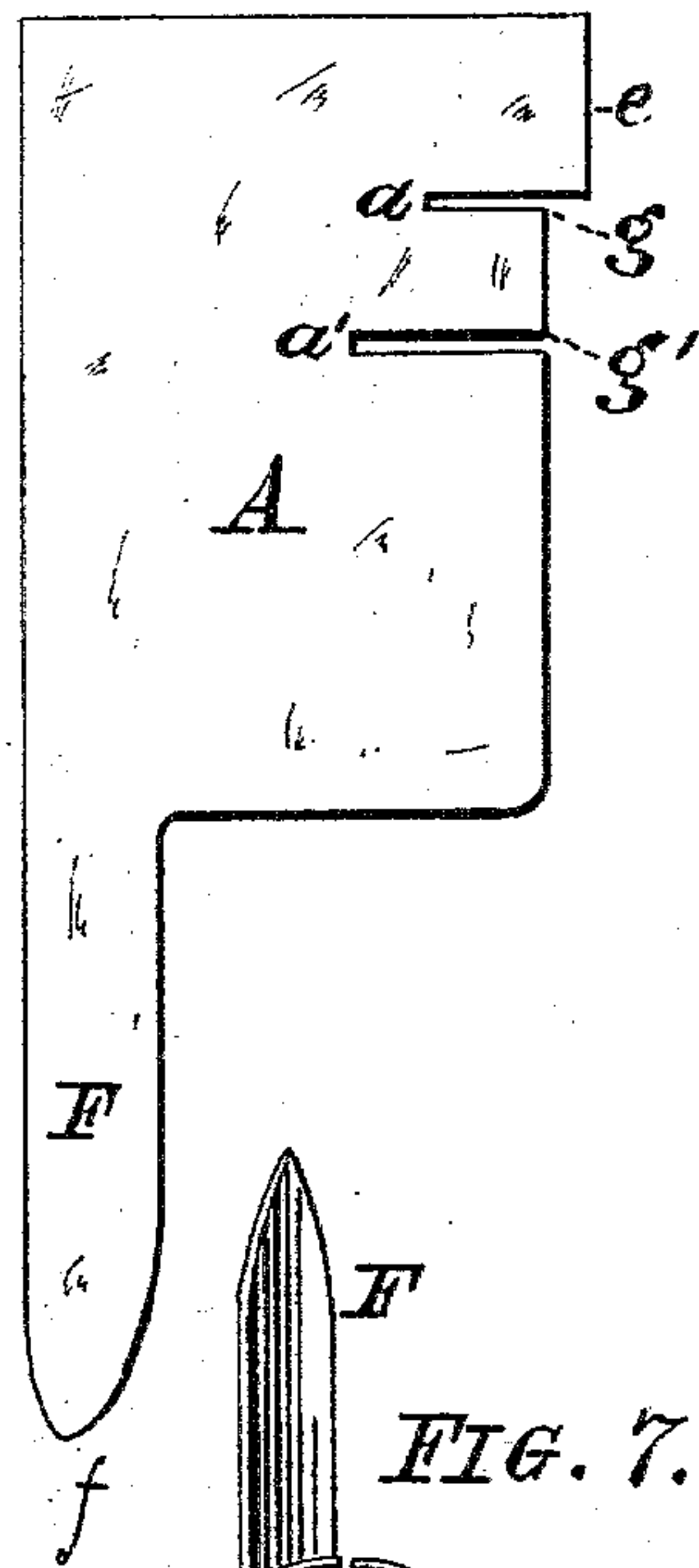


FIG. 5.

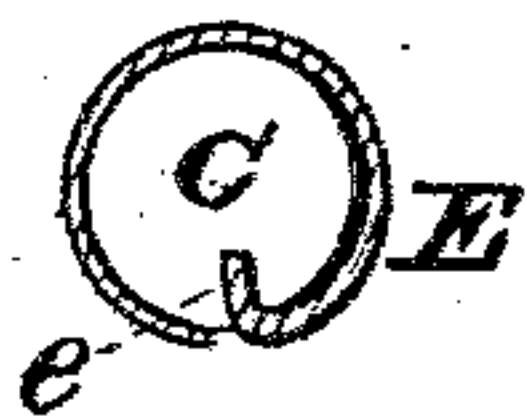


FIG. 6.

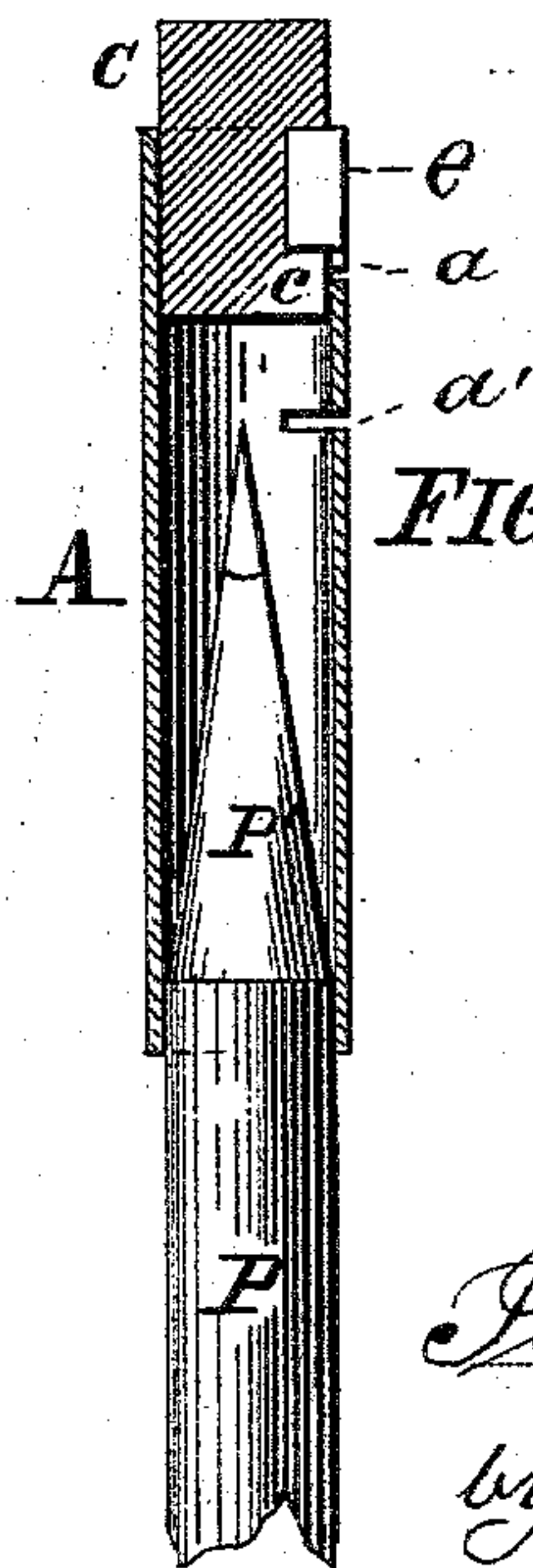


FIG. 7.



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# UNITED STATES PATENT OFFICE.

JOHN A. COOK, OF BUFFALO, NEW YORK.

## COMBINED PENCIL-SHARPENER, ERASER, &c.

SPECIFICATION forming part of Letters Patent No. 296,730, dated April 15, 1884.

Application filed January 14, 1884. (No model.)

*To all whom it may concern:-*

Be it known that I, JOHN A. COOK, of Buffalo, in the county of Erie and State of New York, have invented certain new and useful  
5 Improvements on a Combined Pencil-Sharpener, Ink and Pencil Eraser, and Point-Protector; and I do hereby declare that the following description of my said invention, taken  
10 in connection with the accompanying sheet of drawings, forms a full, clear, and exact specification, which will enable others skilled in the art to which it appertains to make and use the same.

My present invention has general reference  
15 to a combined pencil-sharpener, ink and pencil eraser, point-protector, &c.; and it consists essentially in the novel and peculiar combination of parts and details of construction, as hereinafter first fully set forth and described,  
20 and then pointed out in the claims.

In the drawings already mentioned, which serve to illustrate my said invention more fully, Figure 1 is a perspective view of my improved pencil-sharpener, eraser, &c., combined. Fig.  
25 2 is an elevation of the same. Fig. 3 is a perspective view with the pencil removed. Fig. 4 is a plan of the blank from which the instrument is manufactured. Fig. 5 is a transverse sectional elevation in line *x x* of Fig. 2. Fig.  
30 6 is a longitudinal elevation in line *y y* of said Fig. 2. Fig. 7 is a perspective view of a modified form of my said invention.

Like parts are designated by corresponding letters of reference in all the figures.

35 A in the drawings represents a tubular holder or socket, having longitudinally a slotted aperture, *d*, in order to render the tube slightly elastic to receive and hold the various sizes of round or polygonal pencils P. In the upper  
40 portion of this tube are two transverse slots or apertures, *a a'*, while on the opposite end of the said tube is formed a knife-shaped extension, F, the point *f* of which is ground into suitable shape to adapt the same for use as an  
45 ink-eraser, while the body of the same is ground along one edge to enable the instrument being used as an envelope-opener, pencil-sharpener, and in fact all the various purposes for which a penknife is now adapted.

50 In constructing this instrument, I prefer to form the same from a "blank" of sheet-steel, or other suitable metal, substantially as illus-

trated in Fig. 4, having the upper body portion made slightly wider (above the slot *a*) than the main portion, so that when the blank  
55 is formed into tubular shape, the portion *e* thereof will project inwardly. This portion or lip *e* performs the function of a fastening for a rubber eraser, C, inasmuch as it prevents the same from being pulled out of its  
60 socket E, after being secured therein. This rubber plug C performs the double function of a pencil-mark eraser, and of a cushion for the pencil-point, P', when the pencil P is inserted into the holder A from the open end  
65 O, Fig. 3, thereof.

In forming the tubular holder A, the knife portion F thereof is being curved transversely. This will have quite a strengthening effect  
70 upon said knife-blade, so that the entire instrument can be manufactured from thin sheet-steel, or other suitable metal, and at the same time gives a better cutting shape to the knife.

In order to prevent the holder from opening too far when the pencil P is being inserted there-  
75 in, I may close the portion thereof between the slots *a* and *a'* by forcing a hoop or band, B, over the same; or I may permanently close this portion by soldering, brazing, riveting, or any other analogous means. So may I "draw" the  
80 entire tube by means of suitable presses and dies in the now well-known manner, and afterward slot the same at *d*, *a*, and *a'*, such methods of manufacture being optional. If drawn, I may form the knife F separately, and secure  
85 the same to the tube A, in any desirable manner, such a holder being illustrated in Fig. 7.

It will be readily observed that when the instrument is being used as a pencil-sharpener,  
90 or for any other purpose requiring the employment of the knife-blade, the body or tubular portion A, Fig. 3, forms the handle for said knife, while if it is used as a pencil-point protector, such pencil forms a protector for  
95 the knife, inasmuch as the said knife will then lie close to the pencil, as shown in Fig. 1, and may be safely handled without fear of being cut or injured by said knife.

The entire instrument can be manufactured  
100 at a trifling expense, and being a very handy accessory to the desk, as well as a convenient article for being carried in the pocket, is a very desirable article of manufacture.



Having thus fully described my invention, I claim as new and desire to secure to me by Letters Patent of the United States—

1. An improved article of manufacture, consisting of a tube having a knife-blade rigidly secured on one end thereof, said blade being fixed to one side of the end of said tube and projecting beyond said end, whereby the pencil may be inserted into the knife end of the tube, the pencil secured, and the edges and point of the knife protected, substantially as specified.

2. An improved article of manufacture, consisting of a tube having a knife-blade transversely curved and rigidly secured on one end thereof, said blade being fixed to one side of the end of the tube and projecting beyond said end, substantially as described, and for the purposes set forth.

3. The tube A, having the lip *e* formed integral therewith, in combination with the eraser and cushion C, substantially as described, and for the purposes set forth.

4. The blank A, for a combined pencil-holder and penknife, adapted to be formed into tubular shape, substantially as described, said blank consisting of the main portion A, having slots *a a'*, starting from the points *g g'* on one edge of said blank, the projection *e*, and the lance-shaped projection F, as specified and explained.

In testimony that I claim the foregoing as my invention, I have hereto set my hand in the presence of two subscribing witnesses.

JOHN A. COOK.

Witnesses:

MICHAEL J. STARK,  
JOHN C. DUERR.