

No. 867,228.

PATENTED OCT. 1, 1907.

J. BARNES.
FRAGILE AND CAUSTIC PENCIL HOLDER.
APPLICATION FILED JAN. 29, 1906.

Fig: 1.

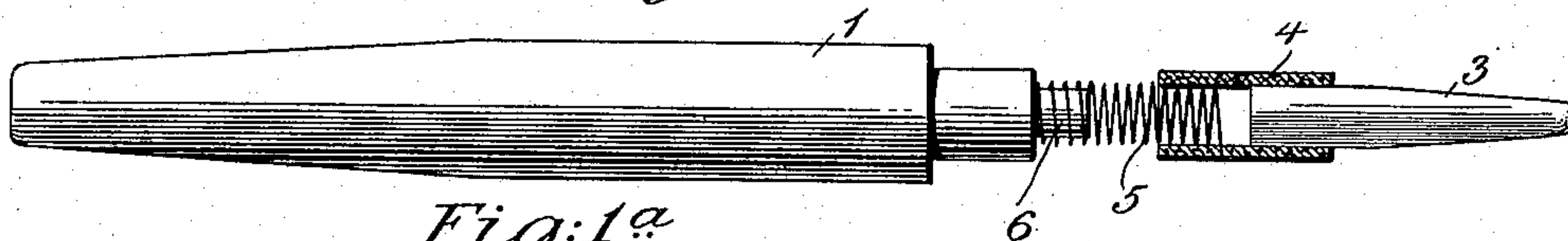


Fig: 1a

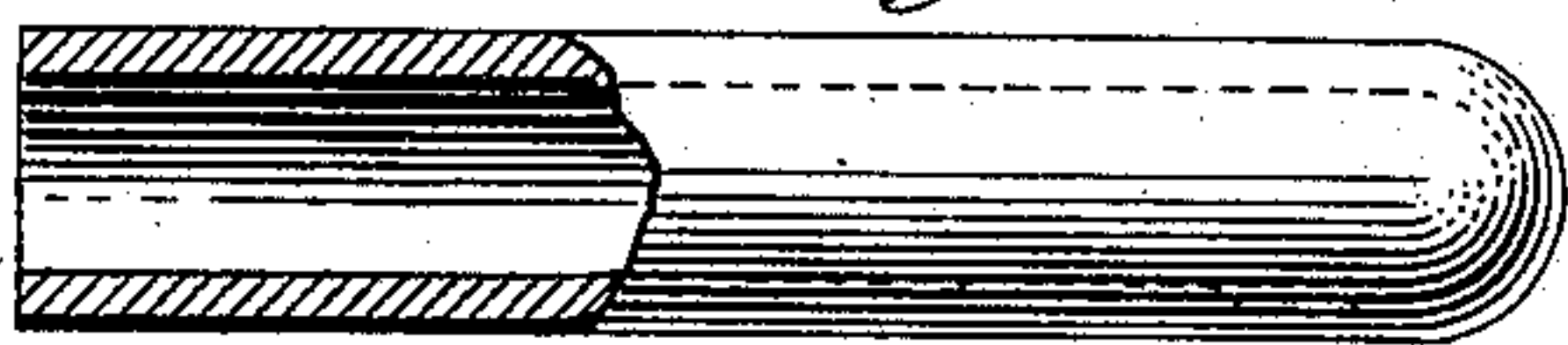


Fig: 2.

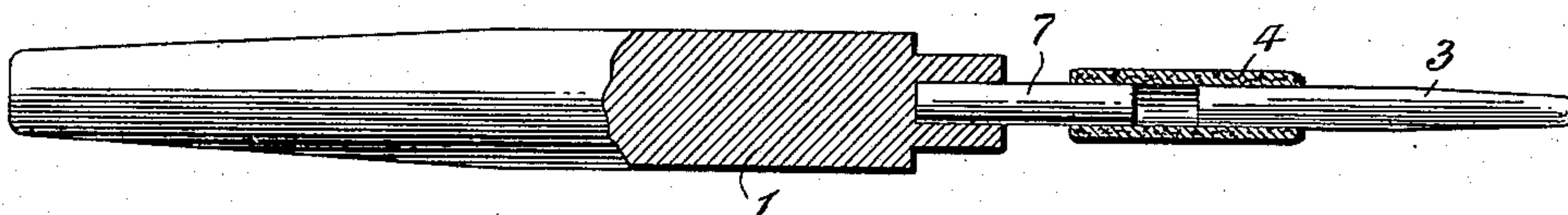


Fig: 3.

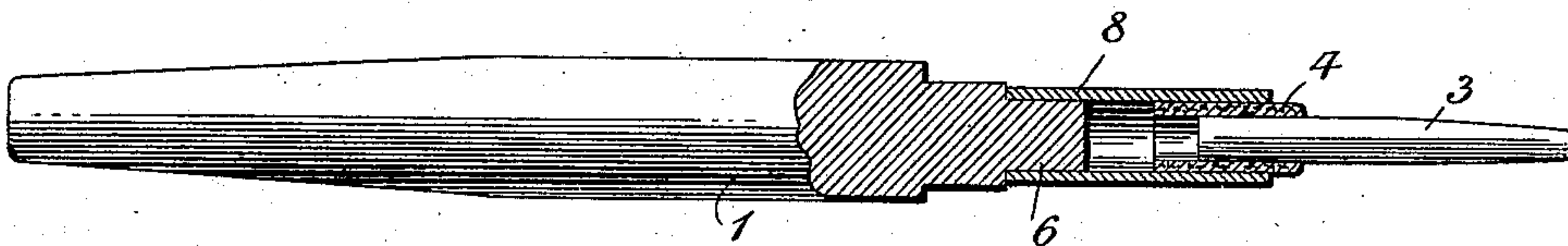


Fig: 4.

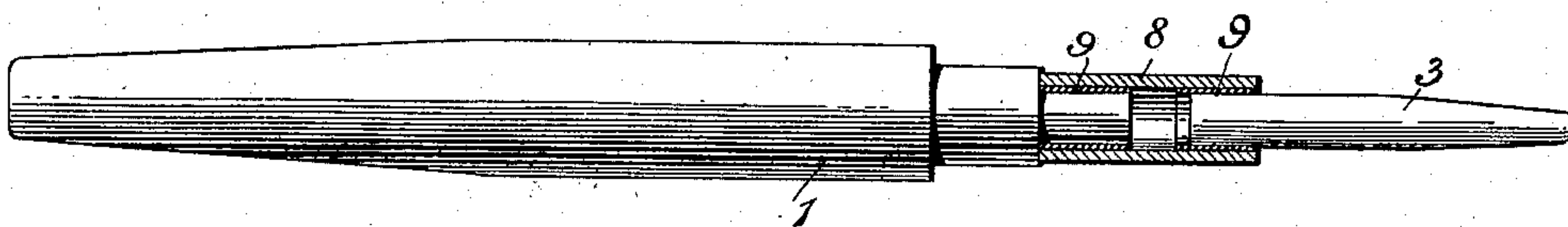
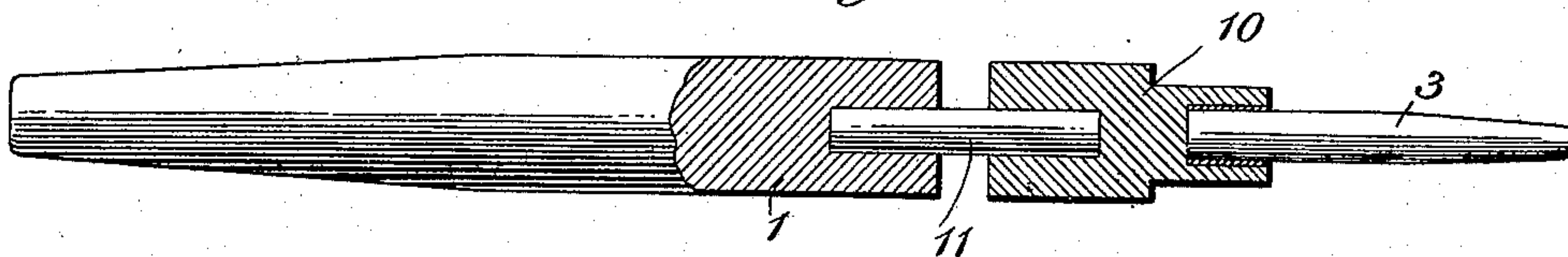


Fig: 5.



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UNITED STATES PATENT OFFICE.

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FRAGILE AND CAUSTIC PENCIL HOLDER.

No. 867,228.

Specification of Letters Patent.

Patented Oct. 1, 1907.

Application filed January 29, 1906. Serial No. 298,343.

To all whom it may concern:

Be it known that I, JOSHUA BARNES, a citizen of the United States, and a resident of the city of New York, county of Kings, State of New York, have invented
5 certain new and useful Improvements in Fragile and Caustic Pencil Holders, of which the following is a specification.

My invention relates to a holder for pencils of fragile substances like lunar caustic, crayons and the like, and
10 is an improvement upon those pencils which have a flexible connection between the fragile pencil and the holder, and the object is to overcome the effect of lunar caustic and like substances which destroy rubber when supported in contact therewith.

15 In the accompanying drawings, Figures 1, 2, 3, 4 and 5 show various forms and modifications of pencil holders within my invention and which will be more particularly described hereafter, and their novel features pointed out in the claims. Fig. 1^a shows a cap partly in
20 section and which is used in connection with the holder proper as a protective covering for the pencil end thereof.

In Fig. 1 the pencil, 3, is shown supported on a holder, 1, by a flexible connection comprising a spiral spring, 5,
25 secured to the end, 6, of the holder and further secured to a cork sleeve, 4, which latter in turn receives the pencil. The pencil may be glued or otherwise secured in the cork sleeve.

30 The cap shown in Fig. 1^a fits over the pencil end of the holder, 1, like the cap of a fountain pen.

Should the holder be dropped or severely jarred the fragile pencil, 3, will not break or snap off, as would be the case were the connection between the pencil and the holder rigid instead of flexible.

35 The holder shown in Fig. 2 is like that shown in Fig. 1, with the exception that a piece of rubber, 7, is employed instead of a spiral spring to connect the pencil with the holder. The rubber, 7, being flexible and elastic, functions in the same way as the spiral spring.

40 The holder shown in Fig. 3 is like that shown in Fig. 2 with the exception that a rubber tube, 8, is substituted for the rubber strip or rod, 7, in Fig. 2.

In the drawings the holders are designed to support pencils of lunar caustic or pencils of other materials
45 having a destructive action on rubber. Thus, in the holder of Fig. 2 the rubber connection, 7, is secured to

the pencil, 3, by the intervention of the cork sleeve, 4. Care being taken that the rubber and the pencil do not contact. Similarly in Fig. 3 the rubber tube, 8, is kept from contacting with the pencil by the interven- 50 tion of the cork sleeve, 4.

The holder of Fig. 4 differs from that of Fig. 3 in that the cork sleeve, 4, of the latter has been dispensed with. Thus, in Fig. 4 the rubber tube, 8, directly surrounds the pencil, 3; but care is taken to interpose a film or 55 layer of shellac or an equivalent substance between the rubber and the pencil. This layer of shellac which may be termed a protecting sleeve is indicated by the numeral 9. It having been discovered by me that shellac, unlike most substances, is not destroyed by 60 contact with lunar caustic. It is, therefore, adapted to form a protective coating shielding the rubber of the connection from corrosion.

The holder shown in Fig. 5 differs from all of the others in that the flexible connection is made between 65 two parts of the holder instead of between the pencil and holder. In other words the end, 10, of the holder has been cut off and connected with the body of the holder, 1, through a flexible connection, 11, which in the form shown consists of a piece of rubber rod. In 70 this form the pencil, 3, is secured directly to the end, 10, of the holder.

The use of the word "applied" in the claim does not mean that the protecting layer, coating or sleeve is ap- 75 plied only and necessarily to the flexible connection during the process of making, but has reference of course to the physical condition in the article of structure claimed.

Having thus described my invention, what I claim and desire to secure by Letters Patent is: 80

The combination of a handle, a fragile caustic pencil, and means connecting the pencil and handle comprising a flexible connecting portion, and a protecting sleeve of material proof against the destructive chemical action of the pencil, receiving said pencil, and applied to said flexi- 85 ble connection, whereby the pencil and said flexible connection are physically separate from each other.

In witness whereof, I have signed my name to the foregoing specification in the presence of two subscribing witnesses.

JOSHUA BARNES.

Witnesses:

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