

M. Burchardt,
Dentists' Tooth Plugger.
N^o 50,428. Patented Oct. 10, 1865.

Fig. 1.



Fig. 3.

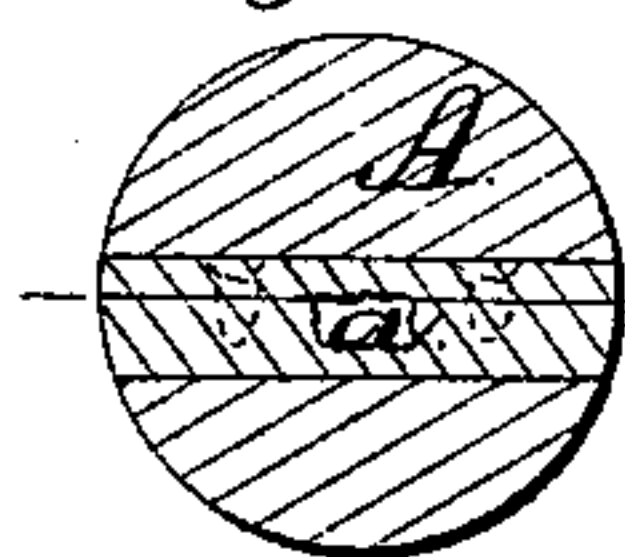


Fig. 2.

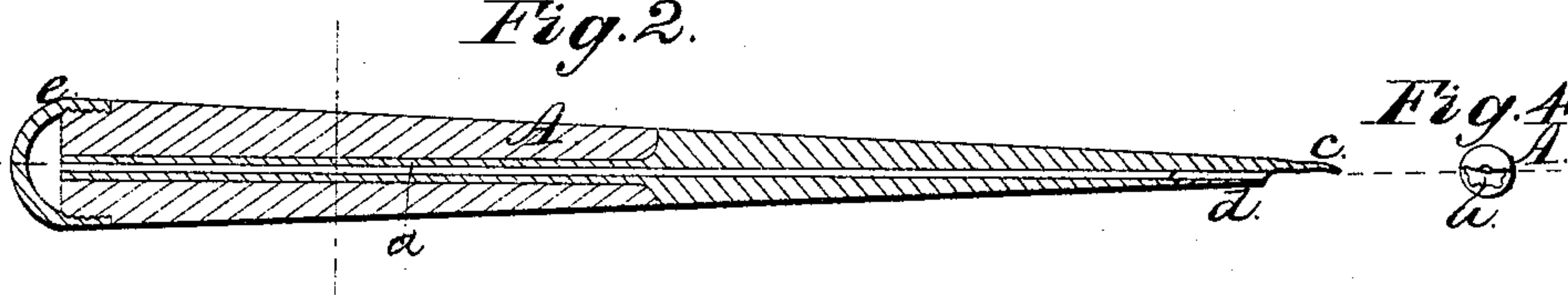


Fig. 4.

Fig. 5.

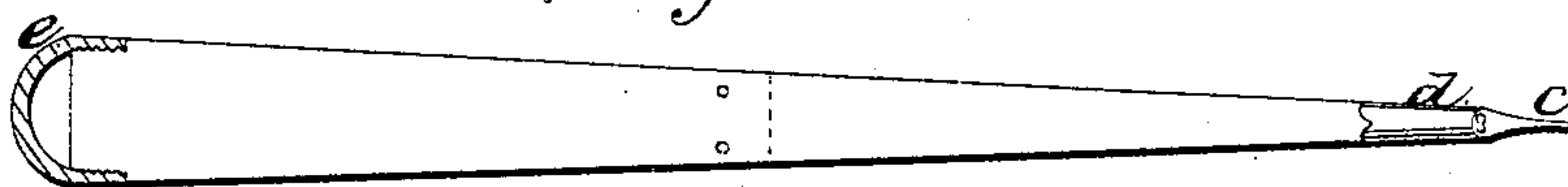
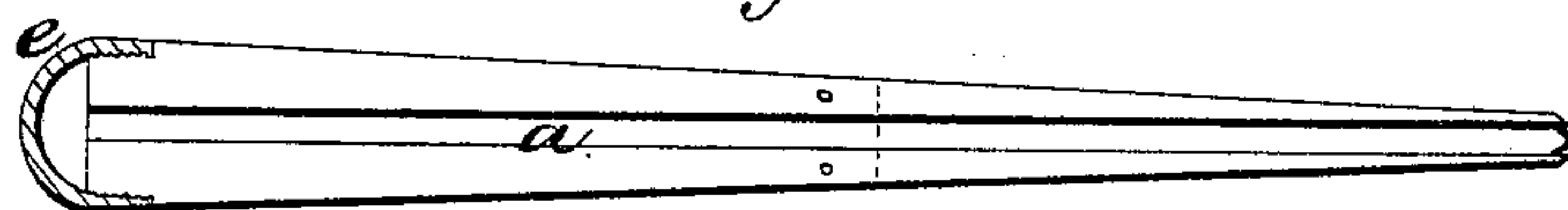


Fig. 6.



Witnesses.

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MAXIMILIAN BURCHARDT, OF BERLIN, PRUSSIA.

IMPROVEMENT IN SELF-FEEDING PLUGGING-TOOLS FOR DENTISTS.

Specification forming part of Letters Patent No. 50,428, dated October 10, 1865.

To all whom it may concern:

Be it known that I, MAXIMILIAN BURCHARDT, M. D., of Berlin, in the Kingdom of Prussia, have invented a new and Improved Dentist's Plugging-Tool; and I do hereby declare that the following is a full, clear, and exact description of the same, which will enable others skilled in the art to fully understand and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a side elevation of this invention. Fig. 2 is a longitudinal central section of the same. Fig. 3 is a transverse section, and Fig. 4 an end view, of the same on an enlarged scale. Figs. 5 and 6 are detached inside views of the two halves.

Similar letters of reference in all the figures represent corresponding parts.

This invention relates to a dentist's plugging-tool which may be called "self-feeding," the strip of gold or other material used in plugging being passed through a cavity extending throughout the entire length of the tool and emanating at its thin end in close proximity to the projection or tongue which serves for the purpose of pressing the plugging material into the cavity of the tooth to be plugged in such a manner that, by the act of pressing the end of the material into the tooth, the strip is made to feed itself, and the operation of plugging a tooth can be performed with one hand, and with the greatest convenience and dispatch.

A represents my plugging-tool, which is made of metal or any other suitable material, and provided with a cavity, *a*, extending from its thick end clear down to its lip, where it passes out close over the tongue *c*, that serves for pressing the plugging material into the tooth. In order to be able to form this cavity in the tool, I make it in two halves, (such as shown in Figs. 5 and 6,) one half being provided at its thin end with a socket, *d*, to receive the end of the other half, in which a groove extends throughout its entire length, so that when the two halves are put together the desired cavity

is formed. On the thick ends of the two halves I place a cap, *e*, which is secured by a screw-thread, as shown, or which may be secured in any suitable manner. I do not wish to restrict myself, however, to any particular manner of forming the cavity; neither do I wish to confine myself to a particular form of the cavity, which may be made round, square, or in any other desirable shape provided it is of sufficient size to admit the strip *f* of gold or other suitable material used in plugging. This strip is rolled out or hammered so thin that it bends like a strip of paper, and after the same has been passed through the cavity in the tool so that its ends extends somewhat beyond the tongue *c* (see Fig. 1) the tool is ready for operation. As the end of the strip is pressed into the cavity of the tooth it is wedged in sufficiently tight to allow of drawing the tool back and to cause the strip of plugging material to be drawn or fed to the tongue just as it is wanted. The operation of plugging can thus be performed with one hand, and the other hand can be used to hold open the mouth of the patient, whereas with the ordinary tool the operator is compelled to hold the plugging-tool in one and the plugging material in the other hand, so that he has to depend upon the aid of an assistant to hold open the mouth of the patient.

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

1. A self-feeding plugging-tool for dentists, made substantially as herein shown and described.

2. The cavity *a*, extending throughout the entire length of the tool and operating in combination with the tongue *c* and with the plugging material, substantially as and for the purpose set forth.

The above specification of my invention signed by me this 9th day of August, 1865.

MAXIMILIAN BURCHARDT.

Witnesses:

H. KREISMANN,
D. E. YOEGER.