

C. L. GIBBS.

DENTAL TOOL.

APPLICATION FILED MAY 8, 1911.

1,014,056.

Patented Jan. 9, 1912.

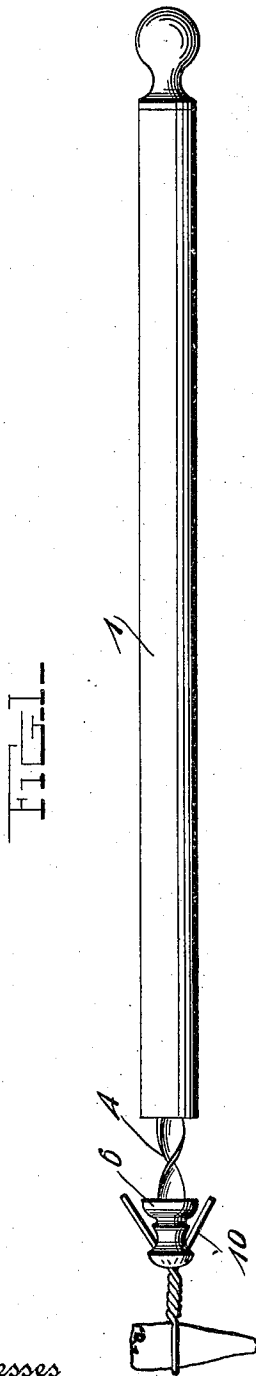


FIG. 4.

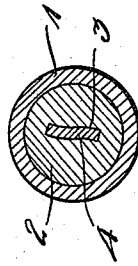
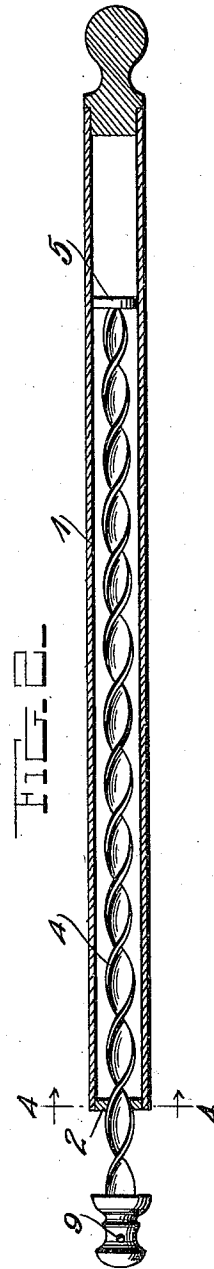


FIG. 2.



FIG. 3.



Witnesses
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DENTAL TOOL.

1,014,056.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES LAMB GIBBS, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Dental Tools; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved dental tool for measuring the necks of teeth to be crowned.

In crowning teeth in order that the crown may be constructed to snugly fit the neck of the tooth to which it is to be applied, it is necessary that the neck of said tooth be accurately measured.

The object of the invention is to provide a simple and efficient device by means of which a tooth neck may be quickly and accurately measured with a piece of fine wire.

With this and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings:—Figure 1 represents a side elevation of this improved measuring device showing it applied; Fig. 2 is a longitudinal sectional view thereof, the spiral shank shown in elevation; Fig. 3 is an enlarged detail sectional view of the wire carrying end of the device; Fig. 4 is a transverse section taken on the line 4—4 of Fig. 2.

In the embodiment illustrated, a tube 1 composed of any suitable material is provided at one end with a closure 2 having a slot 3 therein through which a spiral rod 4 is designed to pass. The inner end of this rod 4 is preferably provided with a disk 5 at its inner end which moves with this rod within the tube 1 and prevents the withdrawal of said rod from said tube. The outer end of this rod 4 has a head 6

secured thereto with an opening 7 in its outer end and with obliquely disposed passages 8 and 9 extending from said opening 7 through the side walls of the head, said passages preferably being arranged at diametrically opposite sides of the head and are designed to receive the ends of a fine wire 10 which is designed to be looped around the neck of the tooth to be measured.

In the use of this device, the ends of the wire 10 are first threaded through the passages 8 and 9 in the head 6 and the looped portion thereof extends longitudinally from said head and is passed over the neck of the tooth to be measured. A pull is then exerted on the tube 1 which causes the rod 4 to pass outward through the slot 3 and to be rotated by the spiral configuration of said rod which causes the wire 10 to be tightly twisted until the looped portion thereof fits snugly around and conforms to the shape of the tooth neck. This wire is then slipped off the tooth and the crown may be constructed to agree with the shape and size thereof.

It will thus be obvious that by the use of this instrument, a tooth neck may be very quickly and accurately measured, and that the instrument for effecting this is very simple in construction and cheap to manufacture.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention claimed.

I claim as my invention:—

1. A dental tool comprising a tube having a slotted closure in one end, a spiral shank operable in said tool through the slot in said closure, the head on the outer end of said shank having an opening in its free

end, and passages extending obliquely from said opening through the side walls of said head.

2. A dental tool comprising a tube having
5 a slotted closure in one end, a spiral shank operable in said tool through the slot in said closure, the head on the outer end of said shank having an opening in its free end, and passages extending obliquely from said
10 opening through the side walls of said head,

and means at the inner end of said shank for retaining it against accidental withdrawal from the tube.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CHARLES LAMB GIBBS.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."