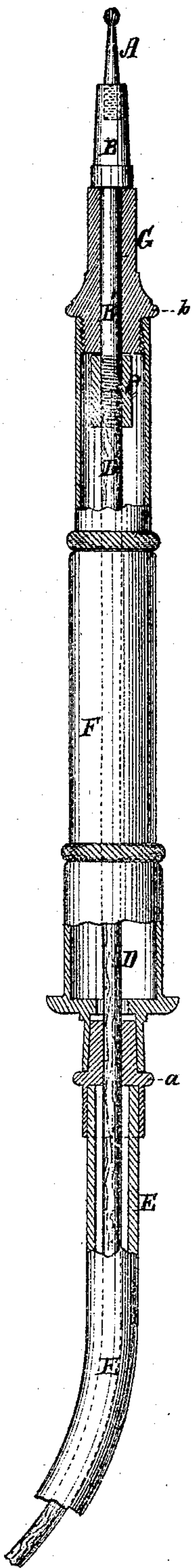


# A. Hartman. Dental Instrument.

118237

PATENTED AUG 22 1871



Witnesses:

A Bennewendof.  
Gustave Dietrich

Inventor:

A. Hartman.

PER

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Attorneys.

# UNITED STATES PATENT OFFICE.

ALEXANDER HARTMAN, OF MURFREESBOROUGH, TENNESSEE.

## IMPROVEMENT IN DENTAL DRILLS.

Specification forming part of Letters Patent No. 118,237, dated August 22, 1871.

*To all whom it may concern:*

Be it known that I, ALEXANDER HARTMAN, of Murfreesborough, in the county of Rutherford and State of Tennessee, have invented a new and Improved Dental Instrument for Drilling and other purposes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention consists in improving dental instruments, as hereinafter fully described and subsequently pointed out in the claims.

The drawing is a vertical elevation partly in section.

A represents a dental drill, and B the holder. B' is a lower portion of the holder, smooth-surfaced, except on the end which is threaded. C is a double-threaded connecting-nut, and D a driving-rod or shaft made of rattan, and connected with some rotating mechanism. Thus it will be perceived that a rattan, D, (or any other suitable connection) and tool-holder B B' may be

readily and conveniently joined together by a double-threaded nut, C, which will admit of their ready separation. E is a rubber tube; F, the handle; and G, a sleeve—all detachably connected together to inclose the rod D and allow of its rotation therein.

I am aware that coiled wire and catgut have been used as a flexible connection; but these I do not claim.

Having thus described all that is necessary to a full understanding of my invention, what I esteem to be new and desire to protect by Letters Patent, is—

1. The rattan D applied in a dental drill as the flexible rod or connection by which the bur-holding mandrel is revolved.

2. The double-threaded nut C applied to holder B B' and rattan D, within a tube, as and for the purpose specified.

ALEXANDER HARTMAN.

Witnesses:

T. F. BATES,  
THOS. B. FOWLER.