

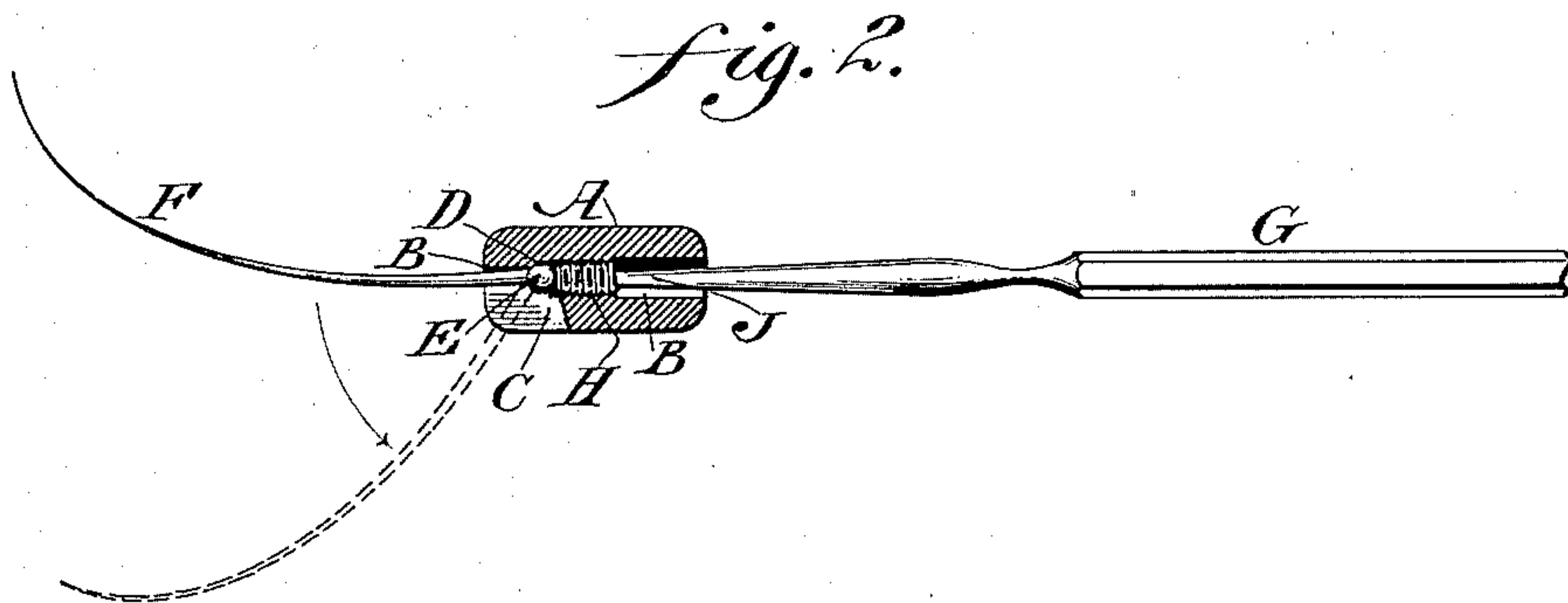
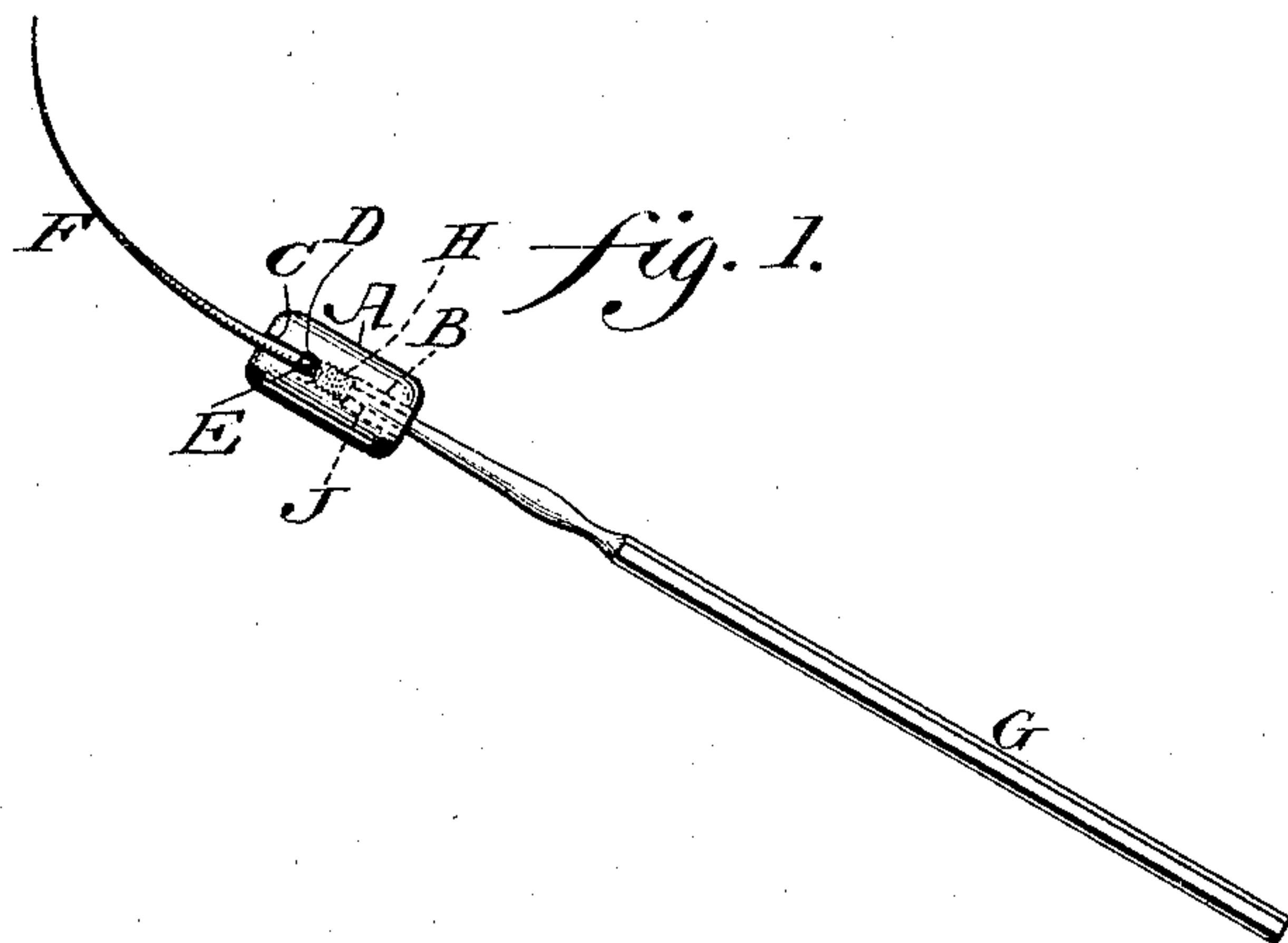
No. 656,300.

Patented Aug. 21, 1900.

D. PERRY.  
DENTAL ROOT CANAL DRIER.

(Application filed Nov. 22, 1898.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

DAVID PERRY, OF ST. PAUL, MINNESOTA.

## DENTAL ROOT-CANAL DRIER.

SPECIFICATION forming part of Letters Patent No. 656,300, dated August 21, 1900.

Application filed November 22, 1898. Serial No. 697,126. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID PERRY, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented a new and useful Improvement in Dental Root-Canal Driers, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a dental root-canal drier composed of a head adapted to be heated and a probe which is adapted to receive heat from said head and transmit it to the root-canal, said probe being so constituted that it may be set at different angles, according to the requirements of an operation, the portion of the handle rearward of the connection with said head being removed from contact with the latter, whereby it receives the least amount of heat therefrom, thus keeping the handle comparatively cold.

Figure 1 represents a perspective view of a dental root-canal drier embodying my invention. Fig. 2 represents a partial side elevation and partial longitudinal section thereof. Fig. 3 represents an end view of a portion thereof.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a head, preferably of copper, the same having an opening B extending longitudinally therethrough and a slot C extending laterally from one end of said opening to the exterior of the head.

On the wall of the opening B is the concave shoulder D, which is adjacent to the inner termination of the slot C and forms a portion of a socket on which is seated the ball E of the probe F, a portion of the shank of the latter passing outwardly from said ball through the adjacent end portion of the opening B, said probe and head being preferably formed of silver, which is a good conductor of heat.

G designates a handle, which is formed preferably of steel, with a threaded end or bur H, adapted to engage with threads on the wall of the opening B, rearward of the ball E, so that said handle may be screwed against

said ball, the forward face of the end of the handle being concave, constituting another portion of the socket for the ball E, it being noticed that when the handle is slightly unscrewed the probe may be turned by its ball on the socket in the head and the shank of the probe directed through the slot C, whereby the probe may be placed at an angle to said head and so adjusted according to requirements, a form of adjustment being shown by the dotted lines, Fig. 2. The handle is now screwed forward, whereby the end H tightens against the ball E and the latter against the shoulder D, thus firmly retaining the probe in its adjustment, or the probe may be placed in a right line continuous of the handle, as shown full in Fig. 2, and controlled by the end of the handle, the same as if said probe should occupy the dotted position, Fig. 2.

In the use of the implement the head A is heated and the heat is communicated to the probe and may be transmitted by the latter to a root-canal for drying the same.

The portion J of the handle that enters the opening B rearward of the bur or connecting device H is of considerably less diameter than that of said opening, so as not to contact with the adjacent portion of the wall of said opening, whereby the least amount of heat will be conveyed by the head to said handle.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A head having a screw-threaded bore therein, a probe having its inner end occupying said bore and seated on a shoulder thereon and a handle having a bur which engages with the threads of said bore, said end, shoulder and bur forming a ball-and-socket joint for said probe, said head having in its side a slot which communicates with said bore and is adapted to have the shank of the probe therein, the portion of said handle rearward of said bur being removed from the remaining wall of said bore.

DAVID PERRY.

In presence of—

GEO. W. STENGER,  
W. L. POST.