

W. F. GRISWOLD.

Improvement in Dental Pluggers.

No. 125,452.

Patented April 9, 1872.

Fig. 1.

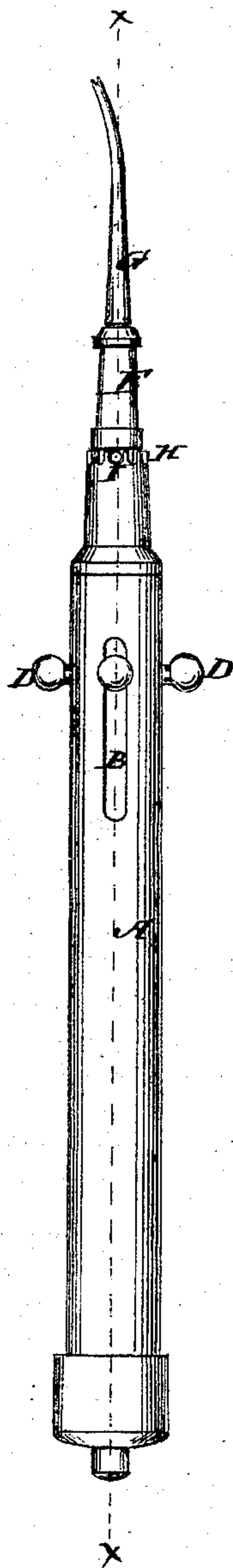
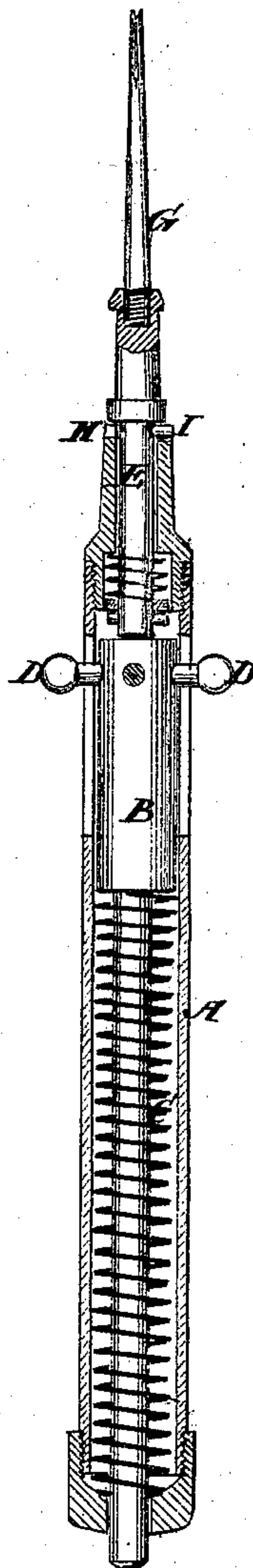


Fig. 2.



Witnesses:

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WHITE F. GRISWOLD, OF LEAVENWORTH, KANSAS.

## IMPROVEMENT IN DENTAL PLUGGERS.

Specification forming part of Letters Patent No. 125,452, dated April 9, 1872.

Specification describing a new and useful Improvement in Dentists' Pluggers, invented by WHITE F. GRISWOLD, of Leavenworth, in the county of Leavenworth and State of Kansas.

My invention consists of a plugging-instrument in which the sliding mallet, with a spring for impelling it against the tool-stock, inclosed in a tubular stock, is provided with several studs projecting through slots in the stock at equal points of distance around it, to be used for forcing the mallet back against the springs, and so that the instrument may be rotated, as is often required while at work, and yet always have a stud at command for retracting the mallet. The invention also consists of notches in the end of the tube, out of which the tool-stock projects, and pins in the latter, falling into said notches when the tool-stock is retracted by its spring, and serving to hold the tool against turning on its axis while at work; also, to hold it for attaching and detaching the tools from the stock to change them, said tools screwing in and out of said stock, and thus saving the necessity of holding said stocks from turning in the tube-holder by one hand while screwing the tools in and out by the other.

Figure 1 is a side elevation of my improved plugger, and Fig. 2 is a section of the same on the line *x x*.

Similar letters of reference indicate corresponding parts.

A is the tubular stock; B, the mallet; C, the spring for actuating it; and D, the studs projecting through the case to be used for retracting the mallet. Instead of using only one stud, as heretofore, I propose to apply as many at suitable distances apart circumferentially, that a stud will always be at command when the instrument is revolved, as is often required,

and at the same time the hammering is going on. E is the tool-stock; F, its retracting-spring; and G, the tool, screwing into the outer end of said stock. I propose to have a number of radial notches, H, in the end of said tubular stock, and to provide, say, one or two radial pins, I, on the tool-stock to drop into the notches, opposite to which it is adjusted when at work to keep the tool from working around, as it will when there is nothing to retain it; also, to hold the stock from turning when attaching the tools, which screw out or in, and thereby save the necessity of holding the small tool-stock by one hand from turning while screwing by the other. It also enables me to hold the instrument and take out and put in tools by one hand, which is sometimes highly necessary, in which case the stock is held against the palm of the hand by the third and fourth fingers and the tool actuated by the thumb and first finger. The stem of the mallet may be extended through the case or not, at will, and the tool G may have a hole through it to introduce a lever for screwing it in or out.

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

1. A series of studs, D, combined with the mallet B, and extending through the case to facilitate working the mallet while revolving the instrument on its axis, substantially as specified.

2. The arrangement of the notches H in the end of the tool-holding tube and the pins I in the tool-stock, substantially as specified.

WHITE F. GRISWOLD.

Witnesses:

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