

H. D. JUSTI.
Tool-Holder for Dental-Tools, &c.

No. 214,923.

Patented April 29, 1879.

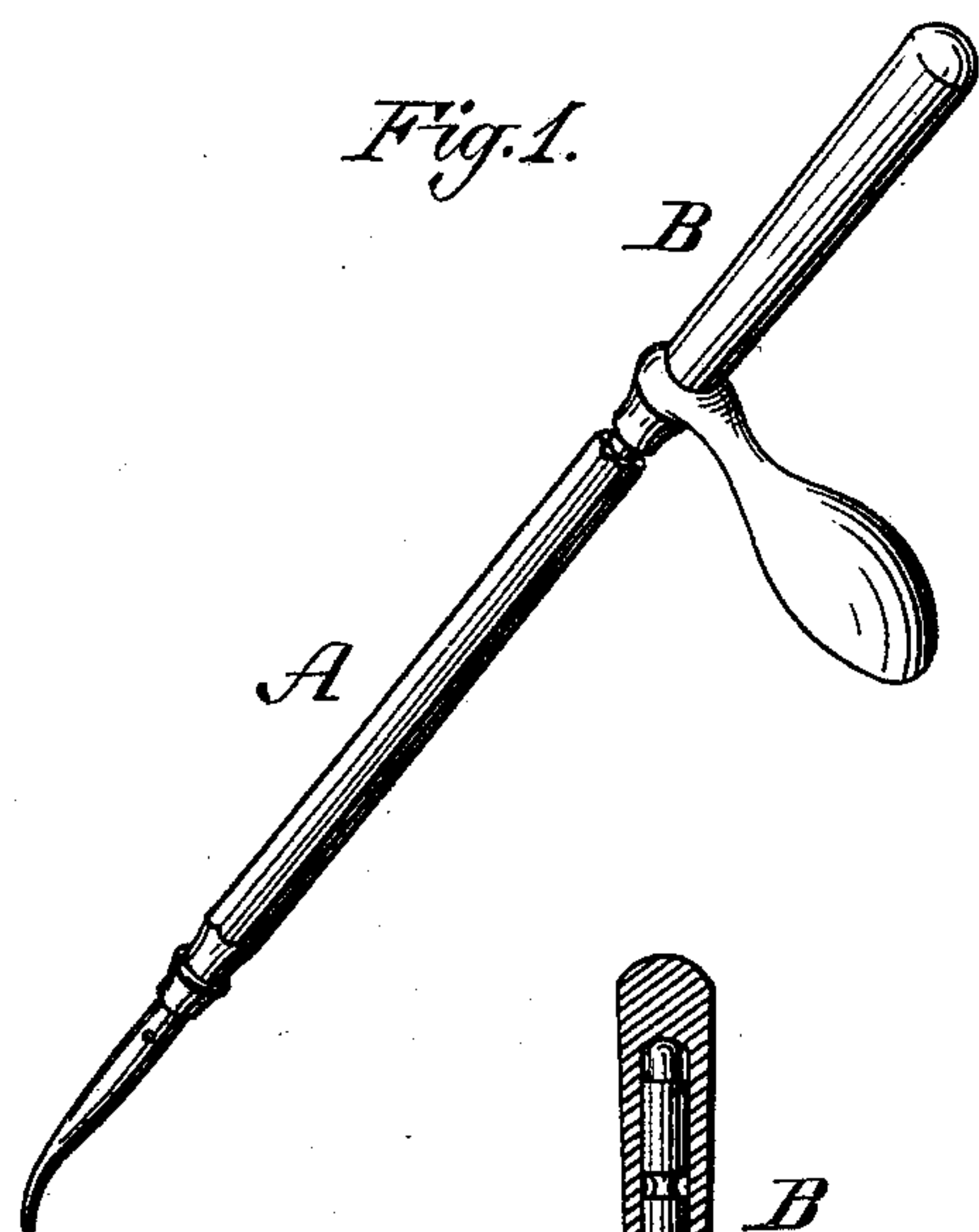
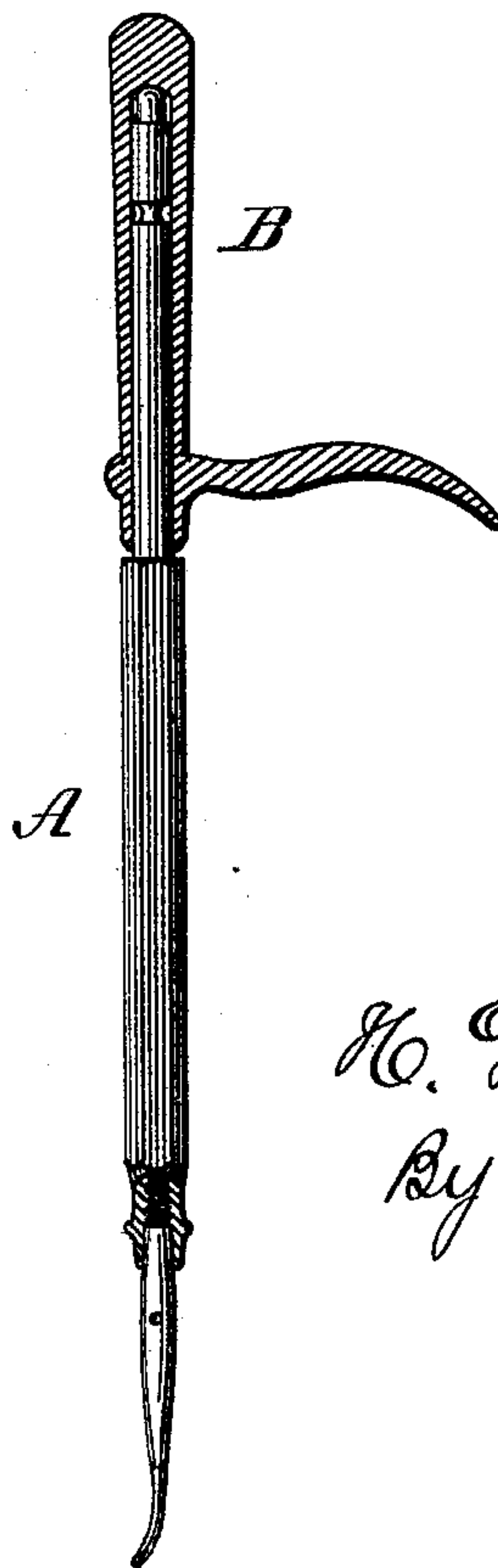


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

HENRY D. JUSTI, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN TOOL-HOLDERS FOR DENTAL TOOLS, &c.

Specification forming part of Letters Patent No. **214,923**, dated April 29, 1879; application filed February 24, 1879.

To all whom it may concern:

Be it known that I, HENRY D. JUSTI, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain Improvements in Tool-Holders for Dental Tools, &c., of which the following is a specification.

My invention relates to an improved hand-piece or holder for dental pluggers, drills, and all other small tools or instruments which are held and manipulated by one hand; and consists in a socket in which the tool may be inserted and rotated, provided with a lateral arm adapted to fit within the palm of the hand and receive the pressure, thus enabling the operator to apply the entire pressure required by the body of the hand instead of by the fingers, as usual, leaving the fingers free to guide and direct the tool.

Ordinarily the entire strain and pressure are received by the ends of the fingers, which soon become cramped and tired, causing great annoyance and interfering materially with the delicate manipulation of the instrument; but by my device the strain is transferred to the palm and wrist of the operator, and the fingers required only to guide and turn the instrument.

Referring to the accompanying drawings, Figure 1 represents a perspective view of a plugging-tool provided with my holding-socket; Fig. 2, a longitudinal section of the same.

A represents an ordinary plugging-tool, having the upper portion of its shank made cylindrical and preferably rounded or pointed on the end.

B represents my socket, made of a tubular form, with a hole to receive the upper end of the tool, and with a side arm or extension widened, rounded, and adapted to fit within

the palm of the hand when the tool is held in the ordinary position in the hand.

The socket or hand piece being applied, the tool is grasped, as usual, with the point between the thumb and fingers, whereupon the body of the socket will rest across the outside of the hand and the arm bear against the palm, in which position the tool may be operated with ease and facility, the fingers being used to turn and guide the point, as occasion may require.

One tool may be withdrawn from the socket and others of different forms and styles for different purposes substituted without removing the socket from the hand; or the shank or body may be permitted to remain in the socket, and changeable points employed therewith.

The precise form of the socket is immaterial, provided it is adapted to relieve the ends of the fingers, and by means of a side arm transfer the strain and pressure to the palm or upper portion of the hand.

Having thus described my invention, what I claim is—

1. The hand-socket for holding and controlling dental tools, consisting of the socket-piece having the hole formed therein and the rigid arm formed on one side, and adapted to fit within the palm of the hand, as described and shown, whereby it is adapted to receive the various hand-tools used by dentists.

2. In combination with the rotary tool or tool-holder, the socket B, provided with the side arm adapted to fit within the palm of the hand by which the socket is held.

HENRY D. JUSTI.

Witnesses:

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