

JOHN A. TILLERY.

Improvement in Soldering-Tools.

No. 127,119.

Patented May 21, 1872.

Fig.1.

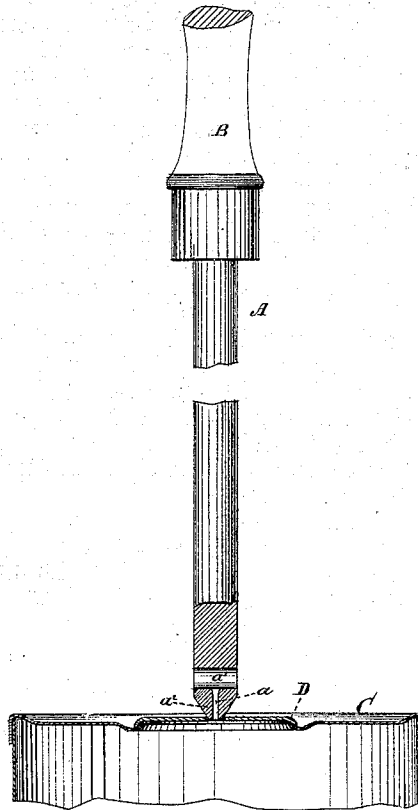
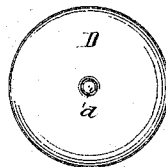


Fig.2.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN A. TILLERY, OF BALTIMORE, MARYLAND, ASSIGNOR TO HIMSELF
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IMPROVEMENT IN SOLDERING-TOOLS.

Specification forming part of Letters Patent No. 127,119, dated May 21, 1872.

Specification describing an Improvement in Soldering-Tools, invented by JOHN A. TILLERY, of Baltimore, in the county of Baltimore and State of Maryland.

The invention consists in centering the soldering-tool with a rod which has a vertical end perforation provided with a side aperture, so that while the soldering-tool is itself enabled to move in a perfect circle from this axis or center of motion the air from within the can still freely escapes.

Figure 1 is a vertical section. Fig. 2 is a top view of the cap.

A represents a centering-tool rod, provided with a handle, B. The lower end of this rod may have a section removed or a channel formed therein; but I prefer to have an axial perforation, *a*, cross aperture *a*¹, and a conical end, *a*². C represents the top of a can, on which is to be soldered a cap, D. In the center of this cap there is generally made a central opening, *d*, for the escape of air and steam from within. After the can has been supplied with its intended contents this hole is stopped.

The use of a center-piece as ordinarily constructed would stop this necessary vent and cause a forced outlet at some other point. Hence the shanks of ordinary crow-feet holders, or those having other forms of bearing-surface, have been alone relied upon to afford a center of motion.

Now, by my construction of centering-rod with a tubular end and side outlet a reliable centering-tool is obtained, while a holder sliding over it, as well as the soldering-iron itself, is maintained always in the exact position desired.

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

The centering-tool for soldering-irons, provided with end perforation *a* and cross-aperture *a*¹, as and for the purpose described.

JOHN A. TILLERY.

Witnesses:

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