

C. O. CROSBY.  
SOLDERING IRON.

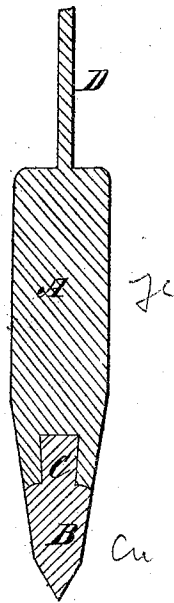
No. 62,941.

Patented Mar. 19, 1867.

*Fig:1*



*Fig:2.*



*Fig:3.*



*Witnesses:*

*John H. Shumway*  
*A. J. Tibbitts*

*Inventor:*

*C. O. Crosby*

# United States Patent Office.

C. O. CROSBY, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO HIMSELF  
AND H. KELLOGG, OF SAME PLACE.

*Letters Patent No. 62,941, dated March 19, 1867.*

## IMPROVED SOLDERING-IRON.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, C. O. CROSBY, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Soldering-Iron; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view.

Figure 2, a vertical central section; and in

Figure 3 the manner of construction.

My invention relates to an improvement in the construction of soldering-irons, whereby they are very much cheapened and equally as good as the best coppers in use, and consists in forming a body from cast iron or other cheap similar metal, and forming the point by driving into a recess in the end of the cast metal a piece of copper, and shaping the copper to any desired form. Irons when made entirely of copper are very expensive, and when it is considered that only the point is used, it will be evident that the principal portion of metal may be of some cheaper material than the copper, providing the copper can be firmly united to the cheaper material. By my invention this is successfully accomplished.

To enable others skilled in the art to construct my improvement, I will proceed to describe the same as illustrated in the accompanying drawings.

A is the body or heavier portion of the iron, to which in any convenient manner the handle or shank B is attached, and is formed of common cast iron or other like cheap material in any convenient or known manner. In the lower or point end of the body A, I form a recess to receive the copper, and for the better security I make this recess increasing in size inward, and in o the said recess I place a piece of copper, as seen in fig. 3, and hammer it down, which enlarges that portion of it in the recess so as to completely fill the recess, and then work the point into any desired form, as seen in fig. 2. This is an operation quickly performed, and firmly secures the point to the body of the iron without the necessary use of further security.

I am aware that soldering-irons have been constructed, having an iron body and copper point, therefore I do not broadly claim such as my invention; but having thus fully described my invention, what I do claim as new and useful, and desire to secure by Letters Patent, is—

The body A, and point B, when constructed and united by the enlargement of the point within the body, substantially as herein described.

Witnesses:

JOHN H. SHUMWAY,  
A. J. TIBBITS.

C. O. CROSBY.