

J. D. NORTON.
Soldering-Irons.

No. 134,923.

Patented Jan. 14, 1873.

Fig. 1.

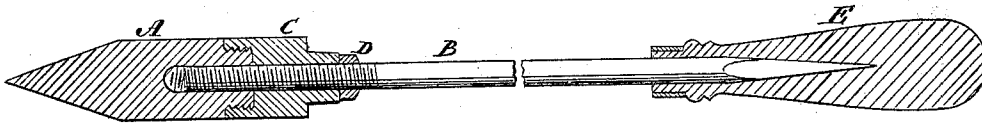


Fig. 2.

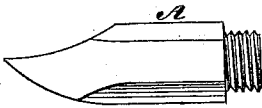


Fig. 3.

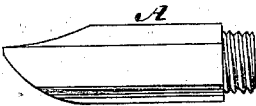
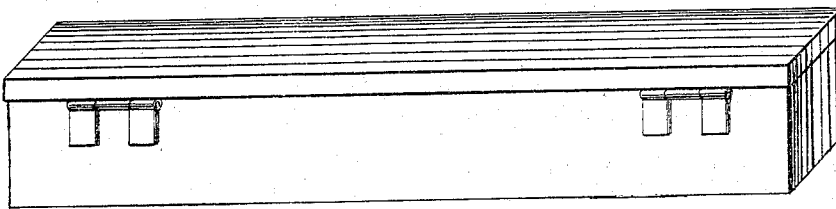


Fig. 4.



Witnesses:

E. Wolff
C. Seagrove

Inventor:

J. D. Norton
PER *Munn & Co.*
Attorneys.

UNITED STATES PATENT OFFICE.

JAMES D. NORTON, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN SOLDERING-IRONS.

Specification forming part of Letters Patent No. 134,923, dated January 14, 1873.

To all whom it may concern:

Be it known that I, JAMES D. NORTON, of St. Louis, in the county of St. Louis and State of Missouri, have invented a new and useful Improvement in Soldering-Irons, of which the following is a specification:

The object of this invention is to improve the common tinner's soldering-iron, and to render it easy to renew or change the "copper;" and it consists in a shank which screws into the "copper," and in a sleeve-screw which screws onto the copper, and in a holding-nut on the shank, as will be hereinafter described.

In the accompanying drawing, Figure 1 represents a longitudinal section of my improved soldering-iron, showing the ordinary pointed "copper." Figs. 2 and 3 represent coppers of different forms detached from the shank. Fig. 4 is a perspective view of the case for keeping the improved soldering-iron and a variety of "coppers" to suit different kinds of work.

Similar letters of reference indicate corresponding parts.

A represents the "copper." B is the shank which screws into the "copper," as seen in Fig. 1. C is a sleeve-screw on the shank which

screws onto the end of the "copper," as represented. D is a nut on the shank which screws up against the sleeve. The sleeve C may work on a screw-thread on the shank or slide on, as may be desired. I prefer to screw it on. The small nut D will hold it in place and keep the connection secure in either case. E represents the handle.

By this arrangement a variety of coppers may be kept on hand and used as occasion may require, as the "copper" on the shank is readily detached, so that a new one or a different one may be put on at any time.

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

The internally-threaded copper A having threaded shank, the end-threaded shank B, the sleeve-screw C, and the nut D, all combined, constructed, and arranged as and for the purpose described.

JAMES D. NORTON.

Witnesses:

A. W. COOPER,
DANL. B. HATCH.