

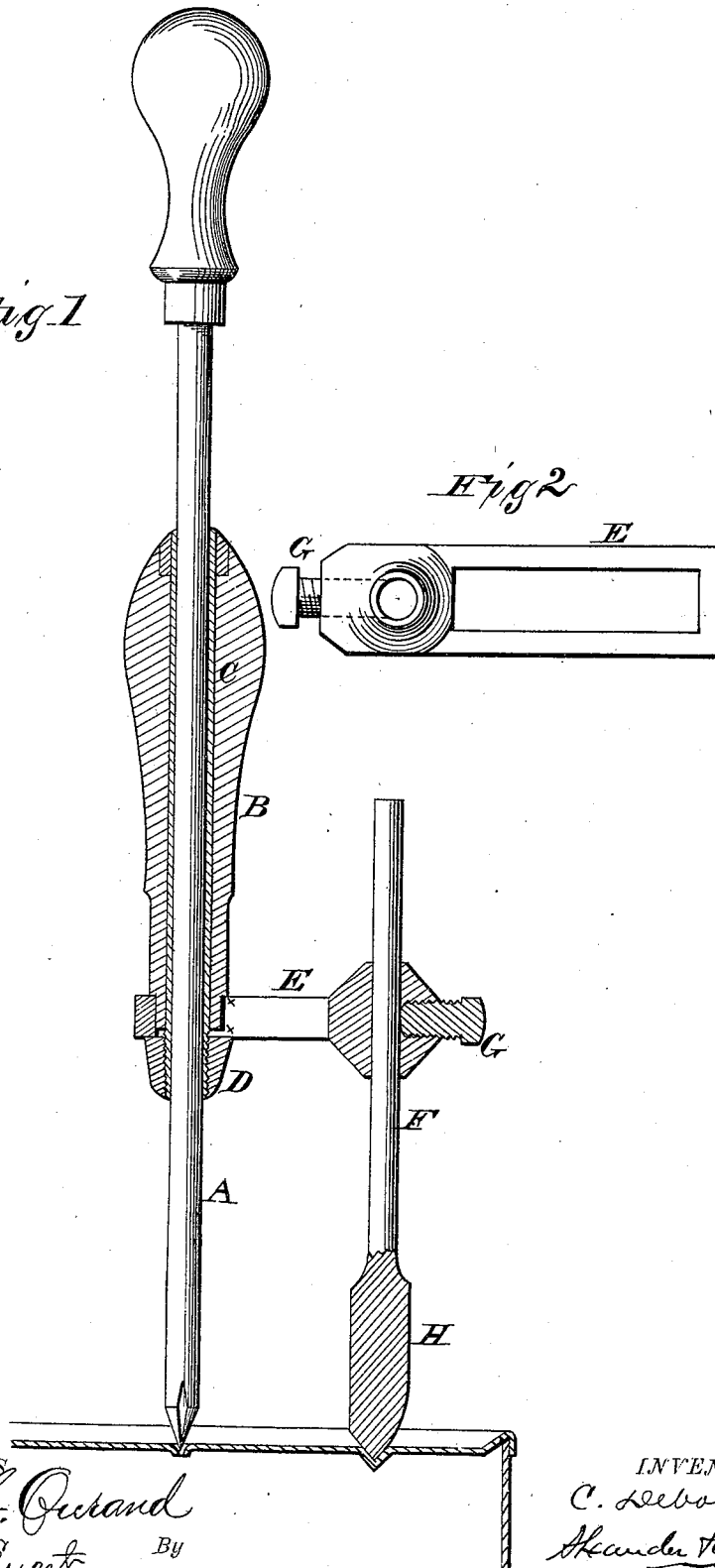
C. DEBOW.
SOLDERING APPARATUS.

No. 174,787.

Patented March 14, 1876.

Fig 1

Fig 2



WITNESSES
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UNITED STATES PATENT OFFICE.

CHRISTIAN DEBOW, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN SOLDERING APPARATUS.

Specification forming part of Letters Patent No. **174,787**, dated March 14, 1876; application filed February 25, 1876.

To all whom it may concern:

Be it known that I, CHRISTIAN DEBOW, of Baltimore, in the county of Baltimore and in the State of Maryland, have invented certain new and useful Improvements in Soldering-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of the several parts of a soldering-tool for closing cans, the peculiarities of which will be hereinafter more particularly set forth.

In the accompanying drawings, making part of this specification, Figure 1 represents a longitudinal section, and Fig. 2 a plan view of the bar which holds the tool.

In the figures, A represents the centering tool rod, which is provided at its upper end with a handle, its lower end being pointed, and having a longitudinal slot in it to allow of the escape of air from the can during the process of closing.

B represents the body of the tool, which is made of wood, and which has a longitudinal opening through it, in which is inserted a metallic tube. If this tube is made of brass it is lined with iron to prevent wear. The centering tool-iron passes into this tube and works freely through, although fitting it snugly. The tube C projects below the wooden

handle, and has a screw thread cut upon it a portion of its way, a portion above the thread being made square. D represents a nut, which passes over the screw-thread. E represents a metallic bar, which has a rectangular slot cut in it, as seen. The square portion of the metal tube passes into this slot, and then the nut D is used to keep it snugly in place. The bar E has a hole through its headed end, through which passes the soldering-iron shank F. The iron itself, H, is secured to the lower end of the shank. G is a set-screw to station the shank. It will be seen that by this arrangement the iron may be raised or lowered, and that it may, in an instant, be adjusted to or from the centering tool-iron by loosening the nut D and sliding the bar E. The tool is thus adapted easily and quickly to any-sized cans, and made firm by tightening the nut D with the fingers.

What I claim as new, and desire to secure by Letters Patent, is—

The tube C, square near its lower end, and provided with a screw-thread, in combination with the slotted bar E, nut D, a centering-iron, and a soldering-iron, constructed as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 23d day of February, 1876.

CHRISTIAN DEBOW.

Witnesses:

M. L. STOWELL,
H. A. HALL.