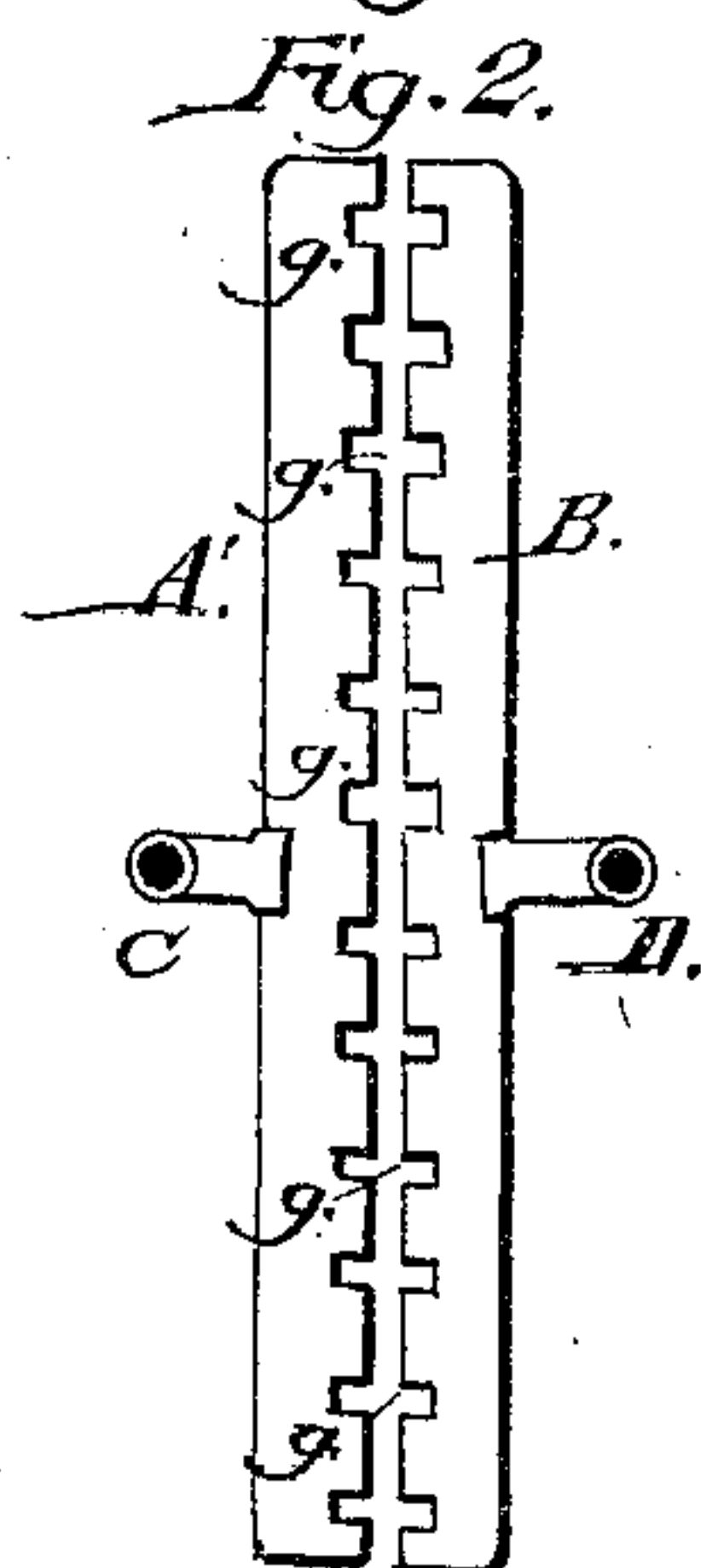
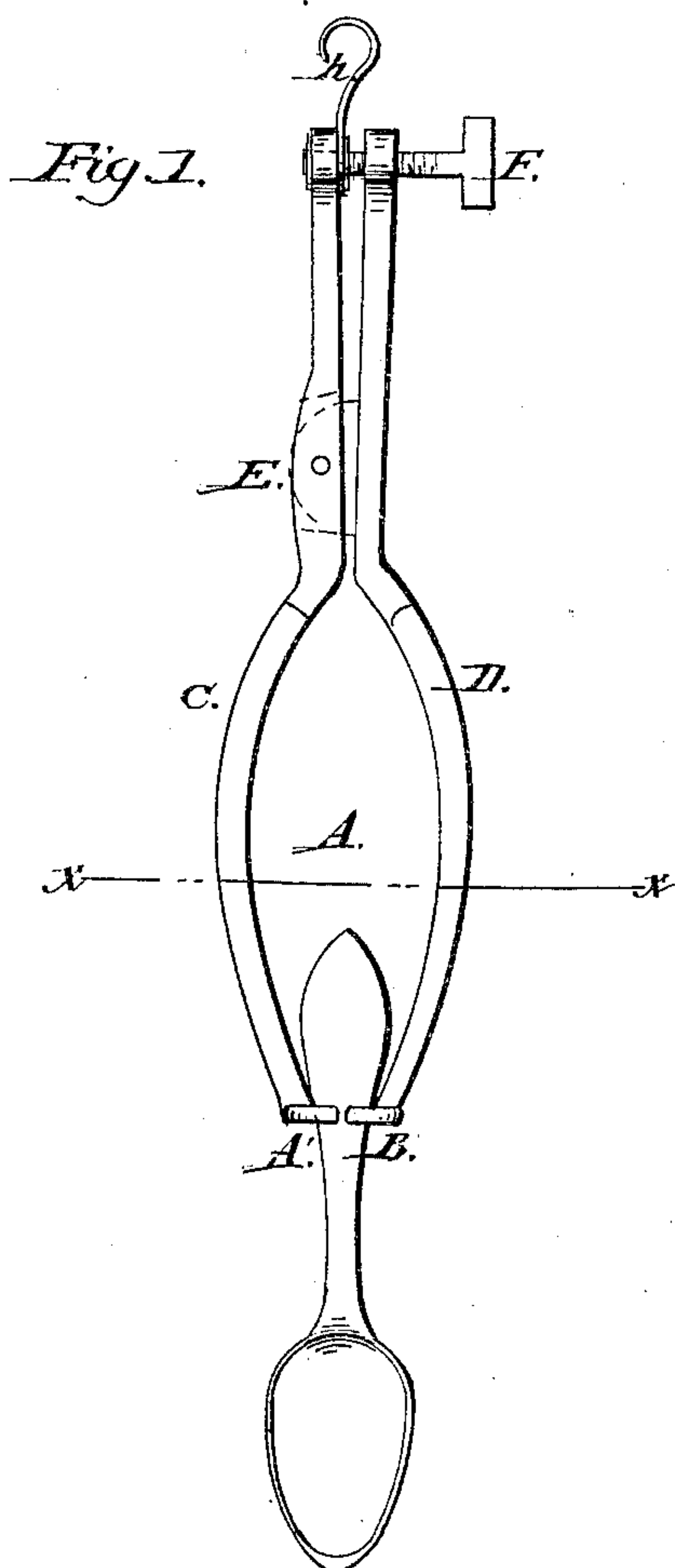


W. H. WATROUS.
ELECTROPLATING FRAME.

No. 78,497.

Patented June 2, 1868.



Witnesses:
W. C. Ashkettle
J. A. Morgan

Inventor:
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United States Patent Office.

WILLIAM H. WATROUS, OF HARTFORD, CONNECTICUT.

Letters Patent No. 78,497. dated June 2, 1868.

IMPROVED ELECTRO-PLATING FRAME.

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, WILLIAM H. WATROUS, of Hartford, in the county of Hartford, and State of Connecticut, have invented a new and useful Improvement in Electro-Plating Frame or Holder; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved implement or frame for holding spoons or forks, or articles of a similar nature, suspended in the electro-plating liquid.

And it consists of a frame formed of two jaws, jointed together, with an adjusting-screw at the top of the shanks, whereby the jaws may be opened and closed for the insertion or removal, or for the readjusting of the articles, as will be hereinafter more fully described.

Figure 1 represents a view of the holder or frame complete, with a spoon held within the jaws, as when being plated.

Figure 2 is a top view of the jaws of the frame, looking from the line *x x* of fig. 1.

Similar letters of reference indicate corresponding parts.

A is the frame.

This holding-frame consists of two jaws, A' and B, to which are connected two shanks, C and D.

The shanks are jointed together by a pin or pivot, as seen at E.

At the top ends of these shanks there is a thumb-screw, F, which is fixed in one shank, and works through the other shank by a screw-thread, so that when the screw is turned out or in, the jaws A B will be opened or closed, the shanks acting like levers, with their fulcrum at E.

The jaws A' and B are notched or serrated, as seen in fig. 2, to allow the handle of a spoon, fork, or knife to rest in and be suspended from the notches or recesses *g*, as seen in the drawing.

By the ordinary method of plating, the article is suspended by a wire, which usually leaves marks on the handle where it comes in contact with it.

To overcome this objection, and to otherwise greatly facilitate the operation of plating, is the object I have in view.

My jaws A' and B would also leave marks on the handle if the point of contact were not changed by screwing up the top ends of the shank, and thus opening the jaws, and thereby allowing the handles to slip down enough to change the point of contact, which, it will be seen, can be readily done.

h is a hook for suspending the frame.

The jaws and the lower part of the shanks are protected from the action of the electro-plating liquid or metal by a non-conducting covering, which is indicated by the red color.

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

The holding-frame A, constructed substantially as and for the purposes herein shown and described.

The above specification of my invention signed by me, this 18th day of April, 1868.

WILLIAM H. WATROUS.

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.