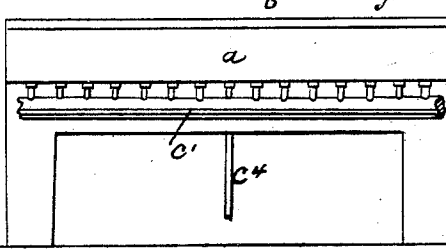
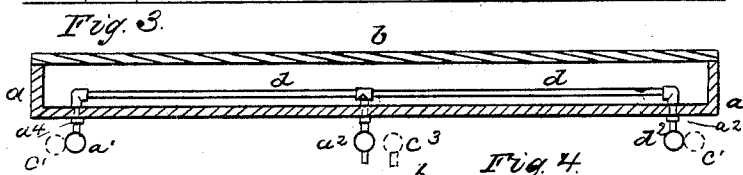
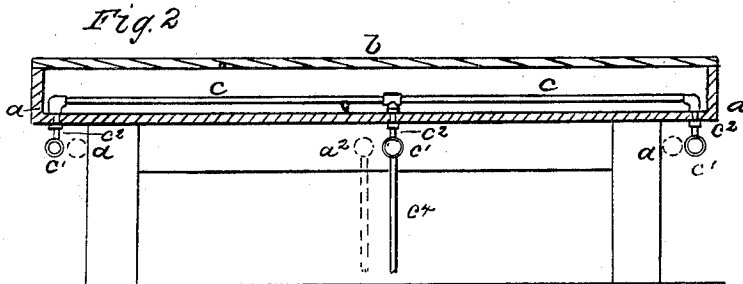
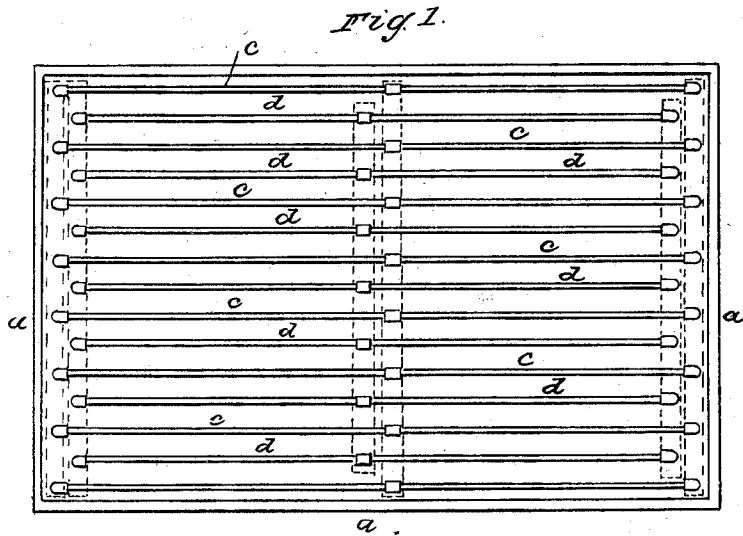


H. B. WALKER.
Silver Plating Glass.

No. 108,413.

Patented Oct. 18, 1870.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY BALEN WALKER, OF NEW YORK, N. Y.

IMPROVEMENT IN HEATING-TABLES FOR SILVERING GLASS.

Specification forming part of Letters Patent No. **108,413**, dated October 18, 1870; antedated October 1, 1870.

To all whom it may concern:

Be it known that I, HENRY BALEN WALKER, of the city, county, and State of New York, have invented certain new and useful Improvements in Heating-Tables for Silvering Glass; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, which makes part thereof, and in which—

Figure 1 represents an interior plan view of the metallic box forming the table and the two sets of pipes, the top being removed. Fig. 2 represents a vertical longitudinal section of the table, showing only those pipes which are supplied with steam from the boiler. Fig. 3 also represents a vertical longitudinal section of the table, showing only the pipes supplied with the steam from the still. Fig. 4 represents an elevation of the table.

My invention relates to the construction of heating-tables for silvering glass—first, in making all steam-connections with the metallic box *A* rigid and firm, of metal, instead of rubber hose or pipe, as heretofore used; and, second, in having two distinct and separate sets of steam-pipes for heating the tables, one set of pipes to receive the steam from the ordinary steam-boiler, and the other set of pipes to receive the steam from the stills used in distilling water. This last I do for the purpose of utilizing the heat generated by the still, which is otherwise wasted, the still being an indispensable requisite in glass-silvering-establishment apparatus, being used for distilling water.

In the accompanying drawing, *a* represents a metallic or cast-iron box filled with water; *b*, a metallic or cast-iron plate, forming the top of the metallic box, and serving as a table

upon which to place the glass plate to be silvered. The water in the box *a* is to be heated by two sets of horizontal pipes, which are arranged to run along the bottom of the box from end to end, and receive the steam at both ends from supply-pipes below or under the box, and discharge the condensed steam at or near the center into receiving-pipes, also arranged below or under the box.

One set of pipes is designated by letters *c*, receiving the steam from an ordinary boiler, which is supplied at both ends by the supply-pipes *c*¹. Short vertical pipes *c*², forming the connections at or near the center of the box, receive the condensed steam or water from the pipes *c*, and carry it through a pipe, *c*⁴.

Independently and separately of this set of pipes there is another set of pipes, *d*, running in the same direction as pipes *c*, being connected with supply-pipes *a*¹ by vertical pipes *a*³ and a receiving-pipe, *c*⁴. This latter set of pipes receives the steam generated by the still, which is required to furnish distilled water used in the process of silvering glass, and should therefore be made of copper.

I claim as my invention—

1. Making rigid or metallic steam-connections with the heating box or table, substantially as and for the purposes described.

2. Arranging a double set of steam-pipes under the heating-tables, one set for the steam originated in the still, and one for the steam originated in the ordinary steam-boiler, substantially as and for the purposes above described.

H. BALEN WALKER.

Witnesses:

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W. S. HORNFAGER.