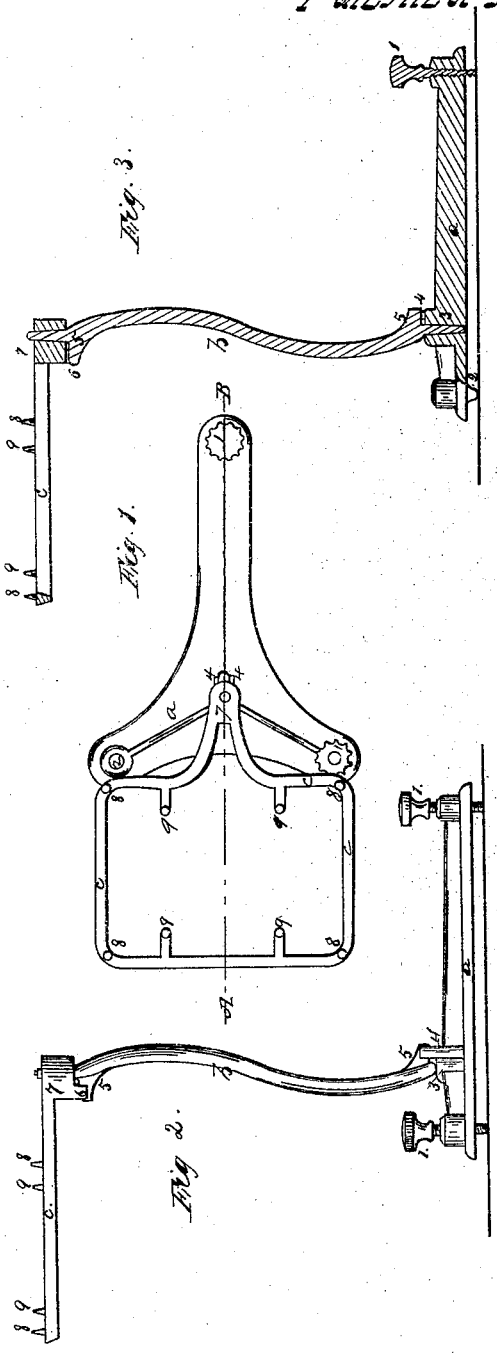
W. & W. H. Lewis,

Daguerreotype Apparatus.

No. 6,431. Patented May 8, 1849.



Witnesses
J. W. Serrell
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UNITED STATES PATENT OFFICE.

WILLIAM LEWIS AND WILLIAM H. LEWIS, OF NEW YORK, N. Y.

IMPROVEMENT IN DAGUERREOTYPE APPARATUS FOR GILDING PLATES.

Specification forming part of Letters Patent No. **6,431**, dated May 8, 1849.

To all whom it may concern:

Be it known that we, WILLIAM LEWIS and WILLIAM HENRY LEWIS, both of the city and State of New York, daguerreotype-apparatus manufacturers, have invented and made and applied to use certain new and useful Improvements in Frames for Gilding Daguerreotype-Plates, such improvements consisting in means for adjusting to a level a frame carrying the plate to be gilded, so that when the gilding solution is poured on the plate it will distribute itself equally over the surface without running off, at the same time giving facility for applying heat to operate on the plate and solution, for which improvements we seek Letters Patent of the United States; and we do hereby declare that the said improvements are constructively, operatively, and substantially set forth and shown in the following description and in the drawings annexed to and making part of this specification, wherein—

Figure 1 is a plan, Fig. 2 is a side elevation, and Fig. 3 a section through the line A B of Fig. 1, showing the constructive parts, and the like letters and numbers as marks of reference apply to the like parts in all the several figures.

In the drawings, *a* is a triangular frame, two sides being made of the same length and the third prolonged to receive a screw 1. One of the other sides has a similar set-screw, both operating vertically through the frame. The third point has merely a small lug or button 2 cast on the under side to lift the frame slightly from the bench or table. Along the center of each arm is a rib to strengthen the frame, and at the junction of these three ribs is a socket 3, forming a socket to receive the tapering end of a standard *b*, which has near its lower end, just above the socket 3, a lug 5, going between two lugs 4 4 on the edge of the cup 3. The upper end of this standard *b* has a tapered end and a lug 5, similar to the lower end, except that the upper lug is on the opposite side of the standard to the lower one and goes between two lugs 6 6 on a socket 7, taking the upper end of the standard. This socket forms a part of the frame *c*, which is made in an oblong shape and has near each corner a small point 8, that receives the plate to be operated on, this being the size for a large plate, and on the inside of the frame are four small brackets standing about a quarter the length of the frame from each end and projecting inward toward each other. These brackets carry on their ends small points 9 9, that are slightly shorter than the points 8 8, so that they are clear of a larger plate when lying on the points 8 8. When thus constructed by their position, the screws 1 1 adjust the frame *c* to carry the daguerreotype-plate perfectly level, so that when the solution for gilding is poured on the plate it will remain even all over and not run off on either side, and the frame *c*, standing clear of the frame *a*, gives room for the free use of a lamp or other heating apparatus to be used under the plate, and when not in use the standard *b* slips out of the sockets 3 and 7 at each end, allowing all to be laid away in a small compass.

We do not claim to have invented any of the parts used herein, as all are well known; but

What we do claim as new and of our own invention, and desire to secure by Letters Patent of the United States, is—

The application of the frame *c*, constructed with points 8 and 9 to carry the plate supported by a movable standard *b* on a triangular bed *a*, having screws 1 1 for the purpose of adjusting the frame *c* and daguerreotype-plate to a level while gilding or otherwise operating on the same, substantially as described and shown.

In witness whereof we have hereunto set our signatures this 19th day of August, 1848.

WILLM. LEWIS.
W. H. LEWIS.

Witnesses:
W. SERRELL,
LEMUEL W. SERRELL.