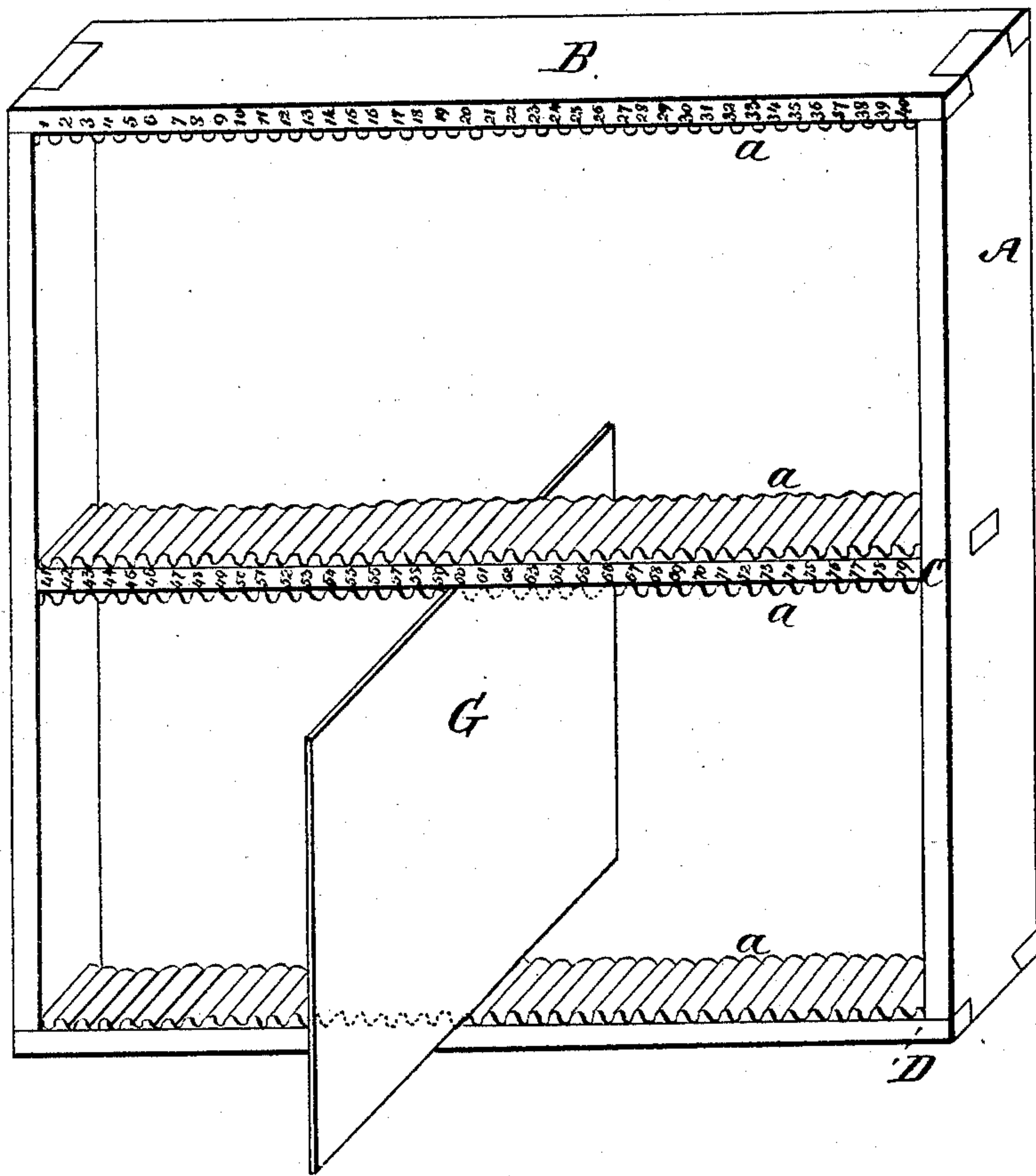


W. G. Smith,
Drying Photographs,
No. 45,648, Patented Dec. 27, 1864.



Witnesses.

C. L. Topliff
Henry Morris.

Inventor.

William G. Smith,
per Messrs J
attys.

UNITED STATES PATENT OFFICE.

WILLISON G. SMITH, OF CARLISLE, PENNSYLVANIA.

PHOTOGRAPHIC GLASS-RACK.

Specification forming part of Letters Patent No. 45,648, dated December 27, 1864.

To all whom it may concern:

Be it known that I, WILLISON G. SMITH, of Carlisle, in the county of Cumberland and State of Pennsylvania, have invented a new and useful Improvement in Photographic Racks; 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 drawing, forming part of this specification.

The drawing consisting of one figure, represents my improved rack in elevation.

The racks now used in the photographic art for preserving and drying negatives and other plates of glass and metal are shelves of wood with grooves sawed out or otherwise cut upon their faces, usually by hand, and requiring skillfulness in the workman and the best of material, because it is necessary that the grooves be cut true and that they be coincident with those in the opposite shelves, and that they be not liable to become distorted by warping or by the contraction and expansion of the wood in which they are cut.

My improvement consists in constructing a frame like, A, with as many cross pieces B C D as are required for the size and height or capacity of the case. The breadth of the cross-pieces and upright sides is to be about as shown in the drawing—sufficient to make a secure berth for the glass or plate used. Upon the opposite faces of the cross pieces B C D, I secure, by tacking or otherwise, strips

of corrugated metal *a*, whose grooves or depressions should be of the same width and depth, and those of opposite strips be opposite to each other, so that the panes of glass or plates when inserted in the grooves shall stand in vertical parallel planes.

The strips or plates of metal may be corrugated in any suitable way. If of sheet metal, they may be swaged or crimped, and if cast their corrugations may be formed in that operation; or they may be formed in any other way by which a corrugated surface can be produced, or guides, which would be equivalent to the corrugations, may be made upon a metallic or other suitable surface secured to the shelves.

By constructing racks in this way they will hold about double the number of negatives of the ordinary wooden cases. I distinguish the grooves of the rack, as shown, by attaching a number opposite each series, so as to assist the operator in enumerating the plates of glass or metal and enable him readily to select the required plate or glass.

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

Constructing the grooves on the shelves of photographic racks substantially as above described.

WILLISON G. SMITH.

Witnesses:

W. MACFEELY,
JNO. McFEELY.