

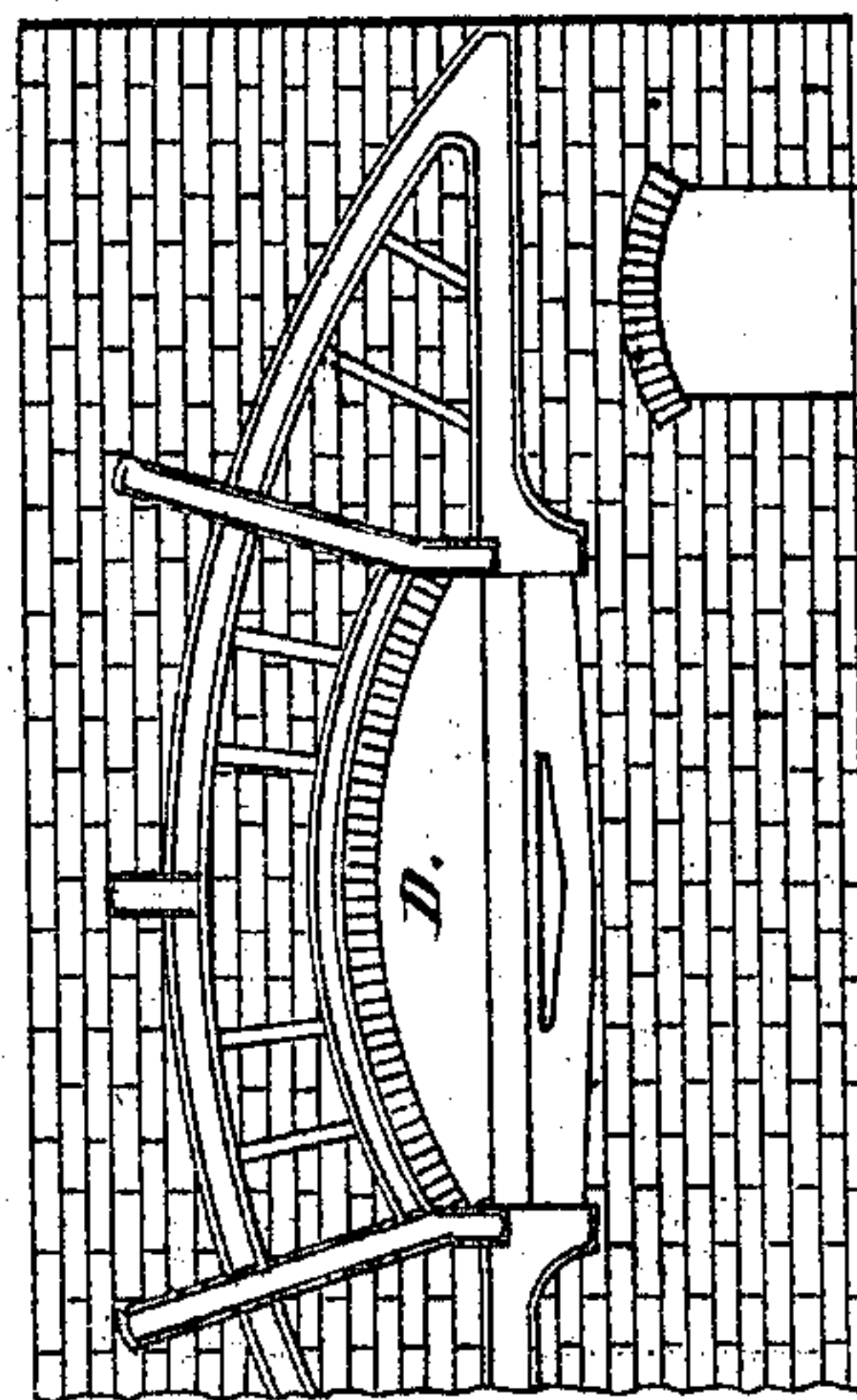
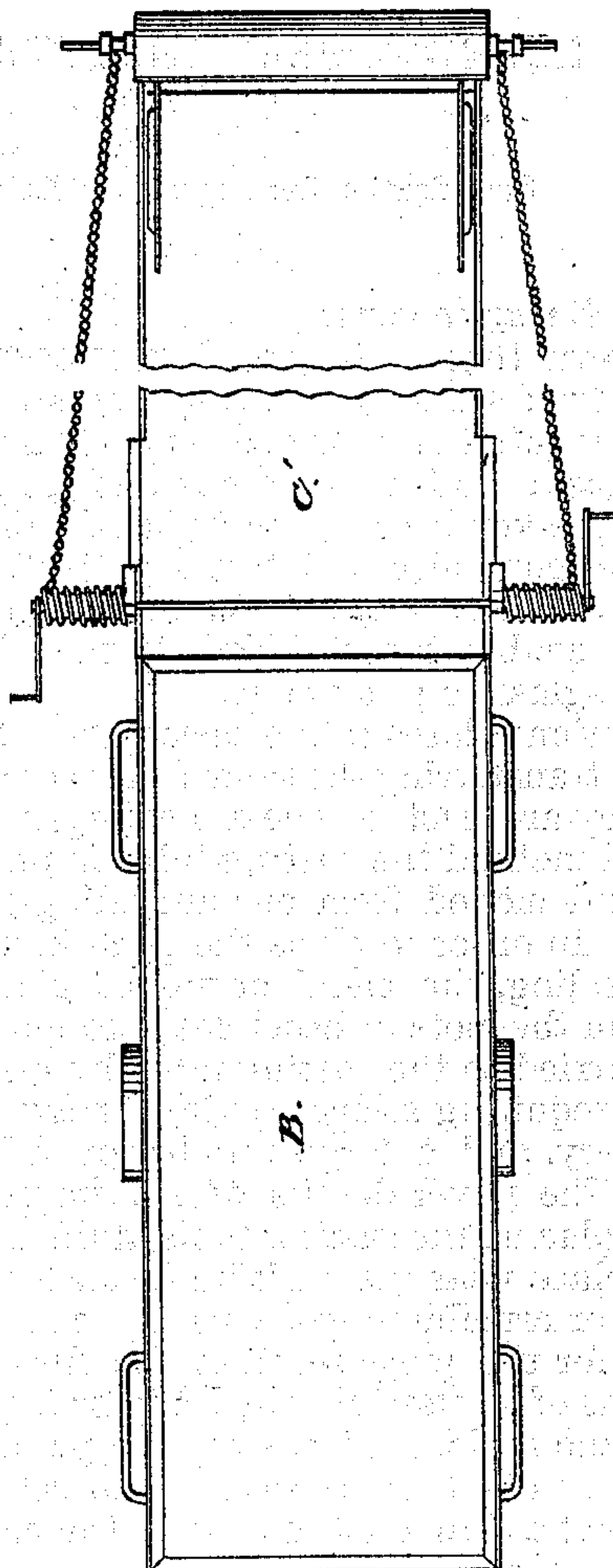
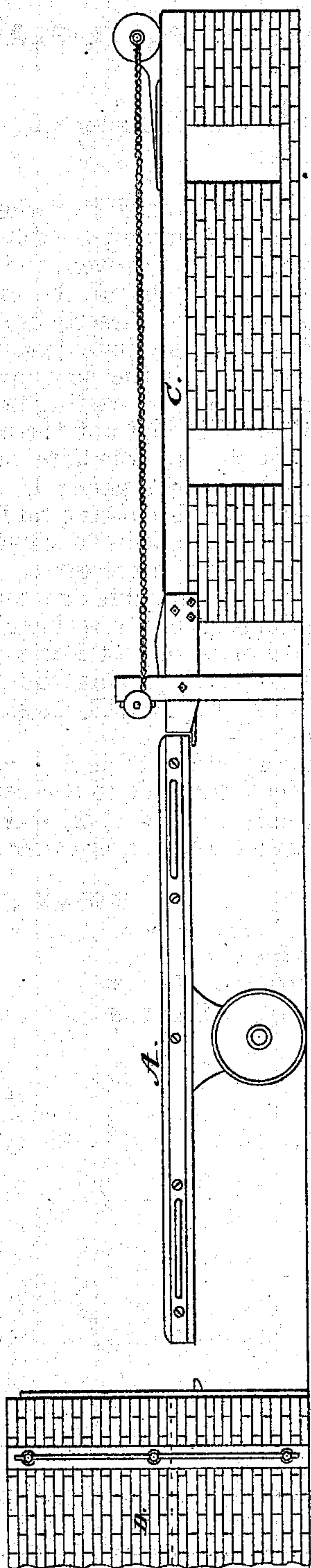
[41.]

EWAN COSSABOOM.

Improvement in Method of Casting Plate Glass.

No. 119,451.

Patented Oct. 3, 1871.



Attest;
Oliver Peck,
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Inventor;
Ewan Cossaboom

UNITED STATES PATENT OFFICE.

EWAN COSSABOOM, OF LENOX, MASSACHUSETTS.

IMPROVEMENT IN METHOD OF CASTING PLATE-GLASS.

Specification forming part of Letters Patent No. 119,451, dated October 3, 1871.

To all whom it may concern:

Be it known that I, EWAN COSSABOOM, of Lenox, county of Berkshire, State of Massachusetts, have invented an Improvement in Casting Plates of Glass; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description of my invention, sufficient to enable those skilled in the art of casting plate-glass to practice it.

This invention relates to the casting of plates of glass and transferring the same from the table on which they are cast to the annealing-ovens. By the usual method the casting-table is placed on wheels and moved from one annealing-oven to another. In order to place the glass in position for annealing, the metal or melted glass is removed from the pots or crucibles into cupels, which are carried to the casting-table by means of travelers, requiring a large outlay for fixtures and machinery, and a large number of skilled workmen. The novel details of my improvement are in placing the casting-table at the most convenient place near the melting-furnace, taking the pots or crucibles, by means of a carriage constructed for the purpose, from the furnace, and, by means of a crane elevated and swinging thence over the table, thus casting the plate direct from the pots, thereby saving the cost of cupels and extra labor of removing the metal

from the pots; then sliding the cast plate onto an intermediate or movable table on wheels, that is easily moved to the oven, and the glass pushed by the same method into the oven as when cast on the table placed directly in front of the oven.

The details of my invention will be described in connection with the accompanying drawing, which represents the casting-table, the intermediate table, and mouth of the annealing-oven.

A shows the intermediate table in elevation. B shows plan of the same; C, the casting-table in elevation; C', the casting-table in plan; D, the oven or annealing-kiln in elevation, shows the mouth for receiving the glass.

I construct a movable or intermediate table of wood and metal, or of metal exclusively, covered with a bed of plaster of Paris or other non-conducting material, placing the same on two or more wheels, substantially as shown in drawing.

I claim—

The intermediate table for removing the glass from the casting-table to the oven, constructed, substantially as shown, on wheels, with bed or face of wood, plaster, or other material, as set forth.

EWAN COSSABOOM.

Witnesses:

RUSH F. MASON,
JNO. D. HATTON.

(41)