

O. W. Seely,
Brick Machine.

N^o 38,607.

Patented May 19, 1863.

Fig. 1.

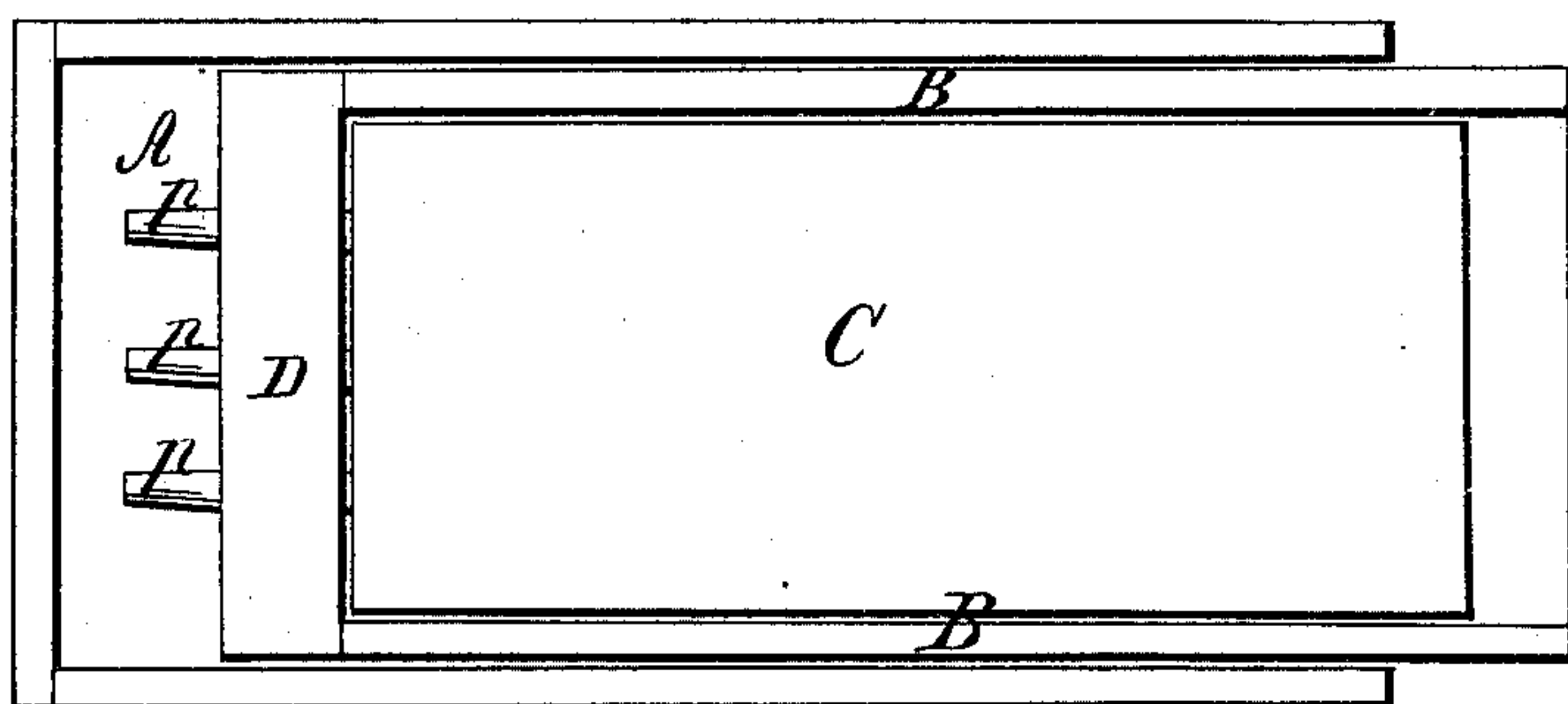
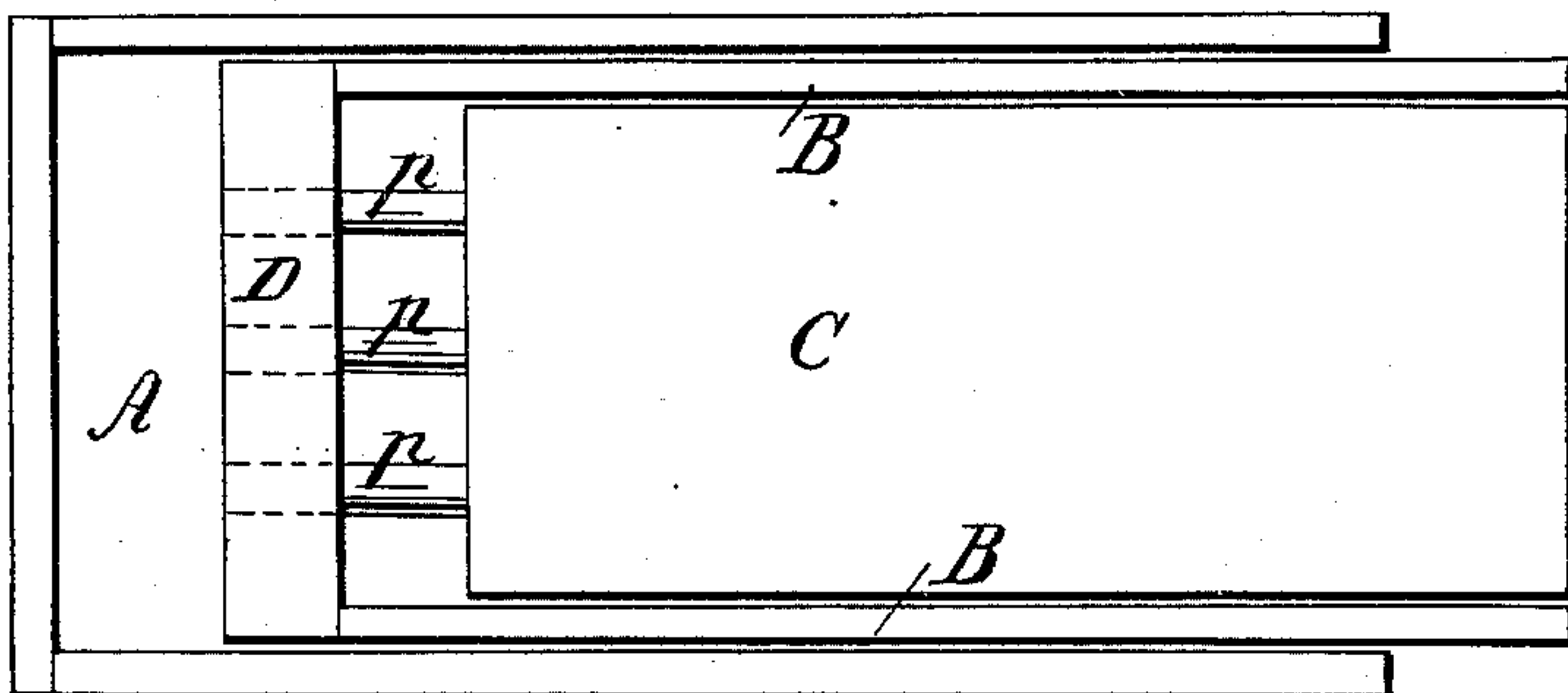


Fig. 2.



Witnesses;
Edm. F. Brown
Robert H. Smith

Inventor
O. W. Seely

UNITED STATES PATENT OFFICE.

ORAN W. SEELY, OF SYRACUSE, NEW YORK.

IMPROVED METHOD OF MOLDING BRICK.

Specification forming part of Letters Patent No. **38,607**, dated May 19, 1863.

To all whom it may concern:

Be it known that I, ORAN W. SEELY, of Syracuse, in the county of Onondaga and State of New York, have invented a new and Improved Method of Molding Bricks; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, in which—

Figure 1 represents a plan of the first operation, and Fig. 2 a plan of the second operation, in pressing or molding the clay or brick, as hereinafter described.

The nature of my invention consists in certain means for expelling the air from the clay while in the process of forming brick, the presence of which air is well known to be the cause of their liability to crack or to be otherwise imperfect in their formation.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation, with reference to the drawings, in which like letters refer to like parts.

A is the mold for the clay; B, the outer, and C the inner, piston or presser, both being movable, the latter, C, being armed with a series of pins, P, or perforators, which pass

through corresponding apertures in the face D of the outer piston, B, and into the clay in the mold. The mold being supplied with the requisite clay, the double piston B and C is moved forward to the position as represented in Fig. 1, pressing the clay to within, say, one-fourth of an inch of the intended brick, the pins P perforating the clay to a corresponding extent. The said inner piston, C, operated by an eccentric, or other well-known means, is now quickly withdrawn, giving chance of escape for the remaining air in the still unfinished brick, while, simultaneously, the outer piston with its greatest pressure forces the remaining air from the clay through the punctures or holes made by the pins P, thus forming a brick more compact, perfect, and durable than bricks molded from dry clay in the ordinary way.

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

The above-described method of perforating the bricks made of dry clay and expelling the air therefrom the instant the final pressure is applied, by means substantially as described.

ORAN W. SEELY.

Witnesses:

EDM. F. BROWN,
HOBART H. SMITH.