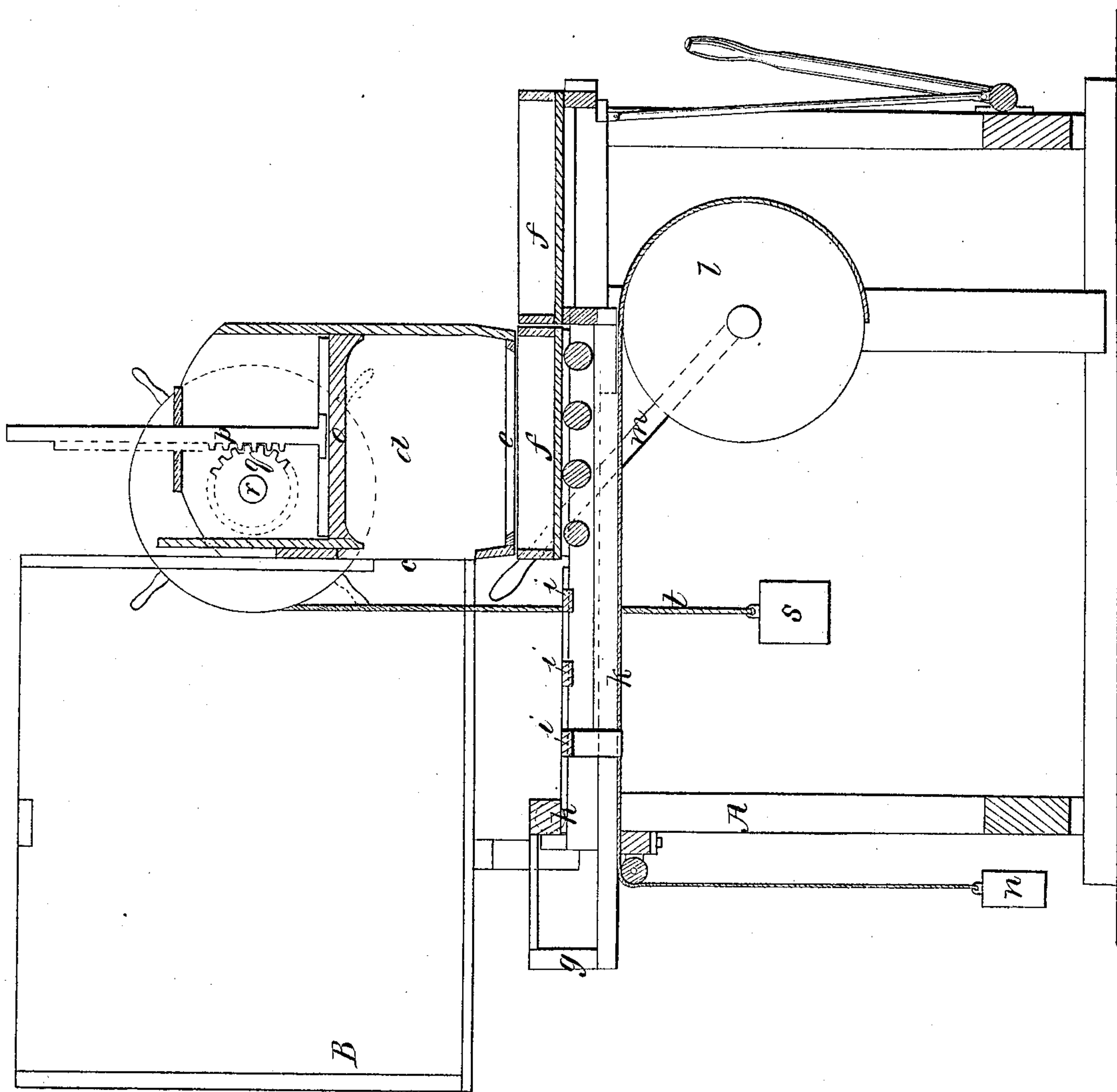


C. B. Baker,
Brick Machine.

No 5,617.

Patented June 6, 1848.



UNITED STATES PATENT OFFICE.

C. B. BAKER, OF TROY, NEW YORK.

BRICK-PRESS.

Specification of Letters Patent No. 5,617, dated June 6, 1848.

To all whom it may concern:

Be it known that I, C. B. BAKER, of Troy, in the county of Rensselaer and State of New York, have invented a new and useful Improvement in Brick-Presses, and that the following is a full, clear, and exact description of the principle or character which distinguishes it from all other things before known and of the manner of making, constructing, and using the same, reference being had to the accompanying drawing, making part of this specification, which represents a vertical section of the machine.

The nature of my improvement consists in the formation of the follower of the press by which a vertical motion can be used, and at the same time an equal quantity of clay, or clay of uniform density can be pressed into all parts of the mold at the same time.

The construction is as follows: On one end of a suitable frame (A) the plug mill (B) rests; this is of ordinary construction and in common use, an opening (c) is made from this into the hopper (d), which is an oblong box in the bottom of which there is a grating (e) under which the molds (f) are made to slide by means of a carriage (g) which moves back and forth on wheels (h) that run on ways formed on each side of the frame above a slat work (i) that forms a table at the top of the frame. But these parts are all now in common use and need not be particularly described. The

carriage (g) is drawn forward by a cord (k) wound round a drum (l) that is turned by a lever (m) that is placed on its axis outside the frame, and is drawn back again into the position shown in the drawing by a weight (n). The follower (o) plays up and down in the hopper (d); it is moved by racks (p) attached to it, one at each end, one of which only is shown in the drawing; these racks are moved by pinions (q) on a shaft (r) which has on its outer end a hand wheel by which it is turned and pressure made; these parts are counterbalanced by the weight (s) which is suspended by a cord (t) to the wheel. The face or lower surface of the follower (o) is made concave or with a curved projection at each end which serves to throw the clay toward the center and equalize or condense the clay into the molds so as to produce a brick of equal texture which can not be effected by the ordinary follower.

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

The employment of the follower having projecting edges, as above described, in combination with the hopper grating and brick molds, substantially in the manner and for the purpose set forth.

C. B. BAKER.

Witnesses:

S. L. JONES,
THOS. W. PHIPPS.