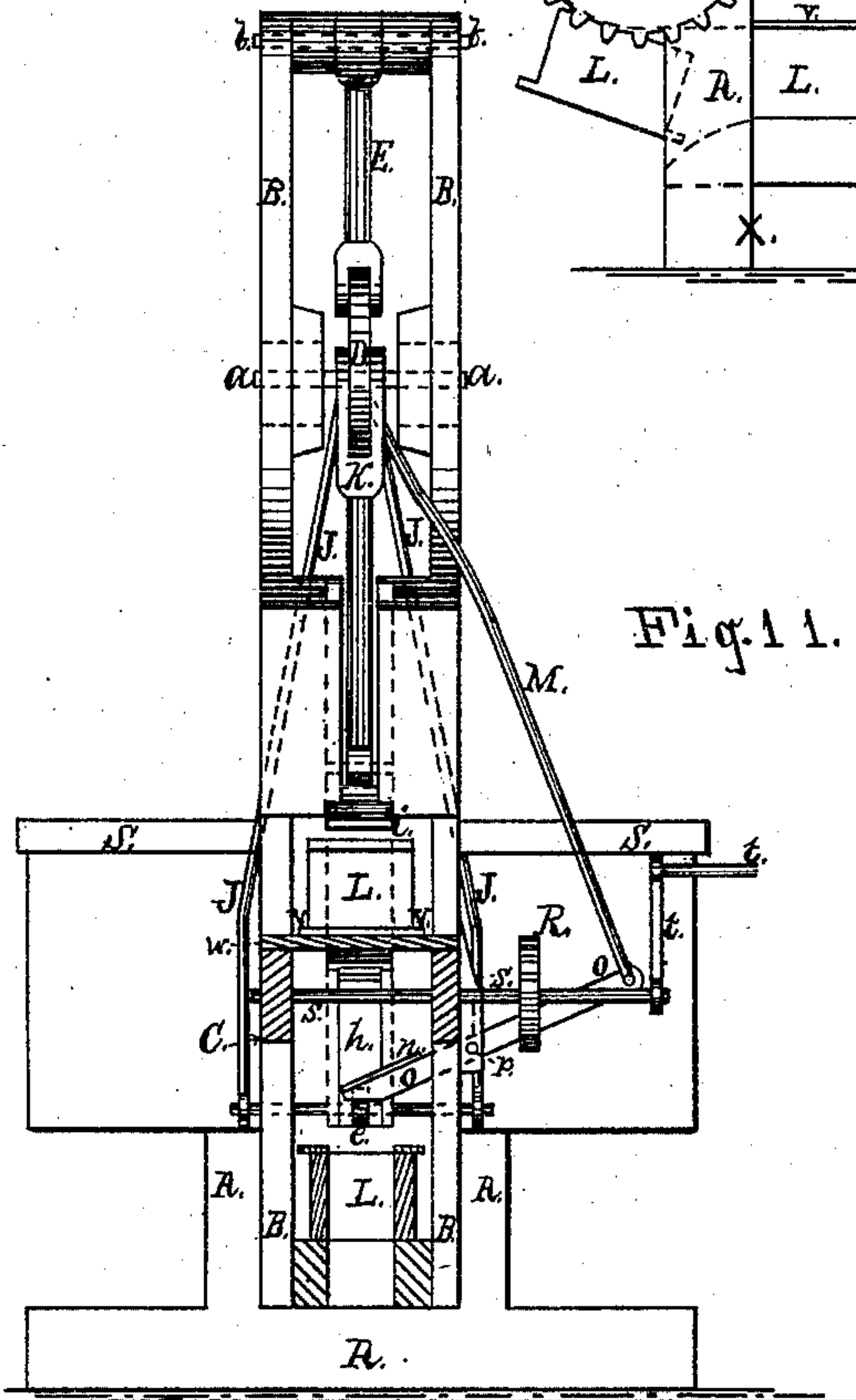
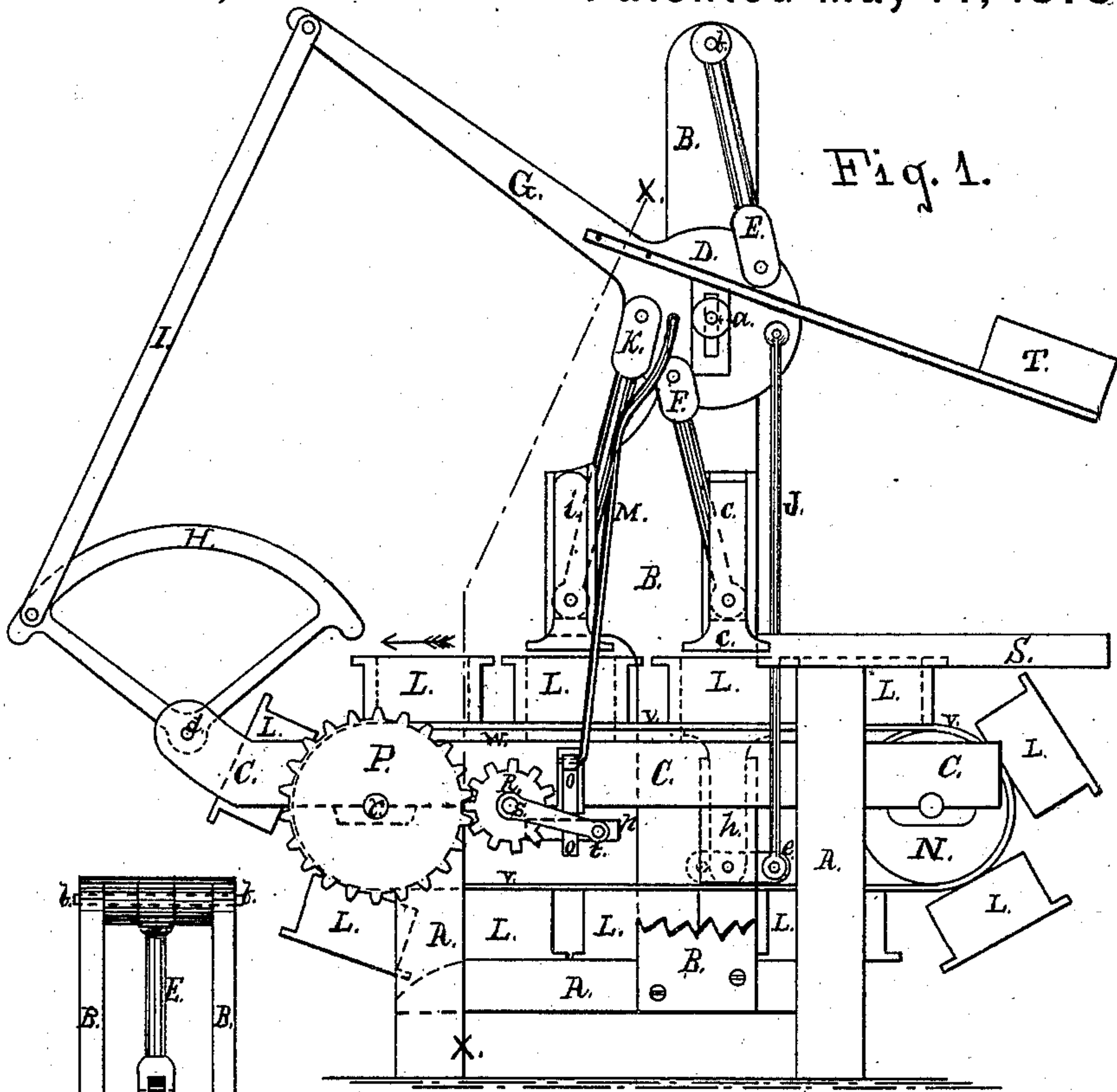


A. A. MOORE.
Brick-Press.

No. 203,755.

Patented May 14, 1878.



Witnesses:
Z. P. Dederick,
Thos. W. Randolph.

Inventor:
Andrew A. Moore.
Per, L. P. Dederick.
Atty.

UNITED STATES PATENT OFFICE.

ANDREW A. MOORE, OF SHERMAN, TEXAS.

IMPROVEMENT IN BRICK-PRESSES.

Specification forming part of Letters Patent No. 203,755, dated May 14, 1878; application filed April 13, 1878.

To all whom it may concern:

Be it known that I, ANDREW A. MOORE, of the city of Sherman, in the county of Grayson and State of Texas, have invented a new and useful Improvement in Brick-Presses, which improvement is fully set forth in the following specification and accompanying drawing, in which—

Figure 1 is a side elevation, part being broken away, and Fig. 2 a vertical section through the line X X of Fig. 1.

The object of my invention is to furnish a device by which bricks may be quickly and cheaply pressed by hand-power from clay taken direct from the bank or mixer.

In the drawing, A is the frame. It may be constructed of wood or metal, or partly of both, and joined together in any suitable manner. It serves for attaching and connecting standards B B and parallel bars C C, that support the working mechanism of the press.

D is a metal disk, through the center of which passes a shaft, *a*. Near the periphery of this disk, at opposite points across its center, are attached connecting-rods E and F, the upper end of E being coupled at *b* to the top of standards B B, and moving freely between them, while the lower end of rod F is connected to a plunger, *c*, that moves freely up and down in guides upon the inner sides of the standards.

To the disk D is cast or otherwise secured a lever, G, which is connected with segment H by parallel rods I I. This segment turns upon a shaft, *d*, that passes through the curved ends of bars C C. Rods J J, also connected to disk D, communicate motion, through the lever *e*, to the plunger *h*, by which the bricks receive a pressure upon the bottom side equal to that upon the top, thus making the sides of equal density. At a point nearly opposite the rods J J, to the disk D is also connected another vertical rod, K, which communicates motion to the plunger *i*, which forces the bricks, after they have been pressed, downward out of the molds L upon the movable table *n*, which is fastened to the end of lever *o*. This lever is pivoted upon a fulcrum, *p*, and receives a rocking motion from rod M, which rod curves upward and inward, the upper end being connected to the disk, and it is arranged so that when the brick is to be received it is

raised to near the bottom of the mold. The plungers being raised to receive another brick, it is dropped down, when the brick may be removed.

The molds L (ten or more in number) are all secured to two endless chains, *v v*, one upon each side of the molds. These chains pass around the wheels N, one being near each end of the press. The shaft *r*, supporting the one at the front end, extends outward from one side, to the end of which a spur-wheel, P, is secured. Engaging with this wheel is a pinion, R, fastened in any suitable manner to shaft *s*, that is turned by crank *t*, by turning which, when the plungers are removed from the molds, as shown in Fig. 1, the molds are moved in the direction indicated by the arrow, thus bringing one mold after another in a position to be filled, receive its pressure, and finally to be discharged upon the table *n*.

Through the board or plate W are two apertures, somewhat longer and wider than an ordinary brick. It serves as a rest for the molds as they move along under the plungers.

S is a table, on which the clay is placed for convenience in filling the molds. T is a box, into which a weight is placed to counterbalance the weight of lever G.

Having thus described all that is deemed necessary to a full understanding of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The disk D, rod M, lever *o*, and table *n*, arranged to operate substantially as set forth.

2. The disk D, lever G, and parallel rods I I, in combination with segment H, substantially as and for the purpose specified.

3. In a brick-press, the combination, with the brick-molds, of the plungers *c h*, lever *e*, rods E F and J J, and the disk D, the several parts constructed and relatively arranged to operate substantially as herein shown and described.

4. In a brick-press, the combination, with the brick-molds, of the plungers *c h*, table *n*, lever *o*, and operating mechanism, substantially as and for the purpose herein shown and described.

ANDREW A. MOORE.

Witnesses:

Z. P. DEDERICK,

THOS. W. RANDOLPH.