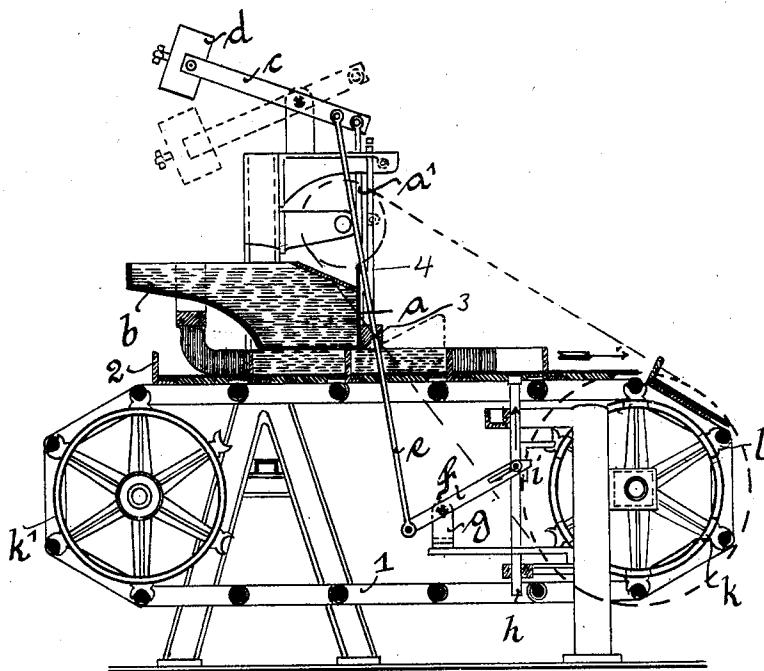


No. 823,232.

PATENTED JUNE 12, 1906.

P. THOMANN.
BRICK MACHINE.

APPLICATION FILED SEPT. 11, 1906.



Attest.
Edw. J. Mc Namara
John A. Percival

Inventor.
PAUL THOMANN
By *Richard R.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

PAUL THOMANN, OF HALLE-ON-THE-SAALE, GERMANY.

BRICK-MACHINE.

No. 823,232.

Specification of Letters Patent.

Patented June 12, 1906.

Application filed September 11, 1905. Serial No. 277,997.

To all whom it may concern:

Be it known that I, PAUL THOMANN, a subject of the German Emperor, residing at Halle-on-the-Saale, Germany, have invented new and useful Improvements in Brick-Machines, of which the following is a specification.

My invention relates to improvements in brick machines or presses; and the object of the invention is to provide machines for enabling the plastic material to be filled into the molds at a uniform density.

The invention is illustrated in the accompanying drawing, which shows a sectional elevation of the machine.

In the drawing the numeral 1 indicates an endless carrier which travels over drums *k k'* and is designed to support on its upper side the mold-boxes 2 and to convey them along underneath the hopper *b*, whereby they are filled.

In order to cause the material to be fed uniformly and evenly into the molds, I provide the hopper with vertically-movable front wall or gate, as indicated at *a*. This is connected by a link *a'* with a rocking lever *c*, carrying a counterweight *d*, which tends to lift the said front or gate *a* suddenly and hold it elevated to allow the egress of the material from the hopper. The front end of the lever is drawn down against the weight *d* to gradually close the mouth of the hopper and automatically released again at the proper time by the following mechanism. A rod *e* is connected at one end to the lever *c* and at its opposite end to a lever *f*, pivoted upon a supporting-bracket *g* and having its opposite end con-

nected to the vertically-moving rod *h*, which carries a stop or projection *i*, designed to be engaged by the projections *l* on the forward wheel or drum *k*. It will thus be seen that by the action of the weight *d* the gate is held elevated at the commencement of the operation of filling a mold, and as the wheel *k* rotates, gradually moving the molds forward, its projection *l* contacts with the bracket *i*, gradually lifts the rod *h*, drawing the lever down and gradually depressing the gate or front side *a* until the mold has passed from under the gate and has been completely filled, when the bracket *i* is released and the counterweight immediately raises the gate to its highest position to permit the filling of a fresh mold.

3 is a plunger for pressing the material in the molds. This plunger has a stem 4, which is reciprocated in any suitable manner.

Having thus described my invention, what I claim is—

In a brick-press, the combination with a hopper and a carrier moving beneath the same for conveying the molds to be filled under the hopper, of a movable gate for said hopper and operating means for opening said gate suddenly to its widest extent and then gradually closing it as the filling of the mold progresses.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PAUL THOMANN.

Witnesses:

RUDOLPH FRICKE,
FERNAND GOLZIN.