

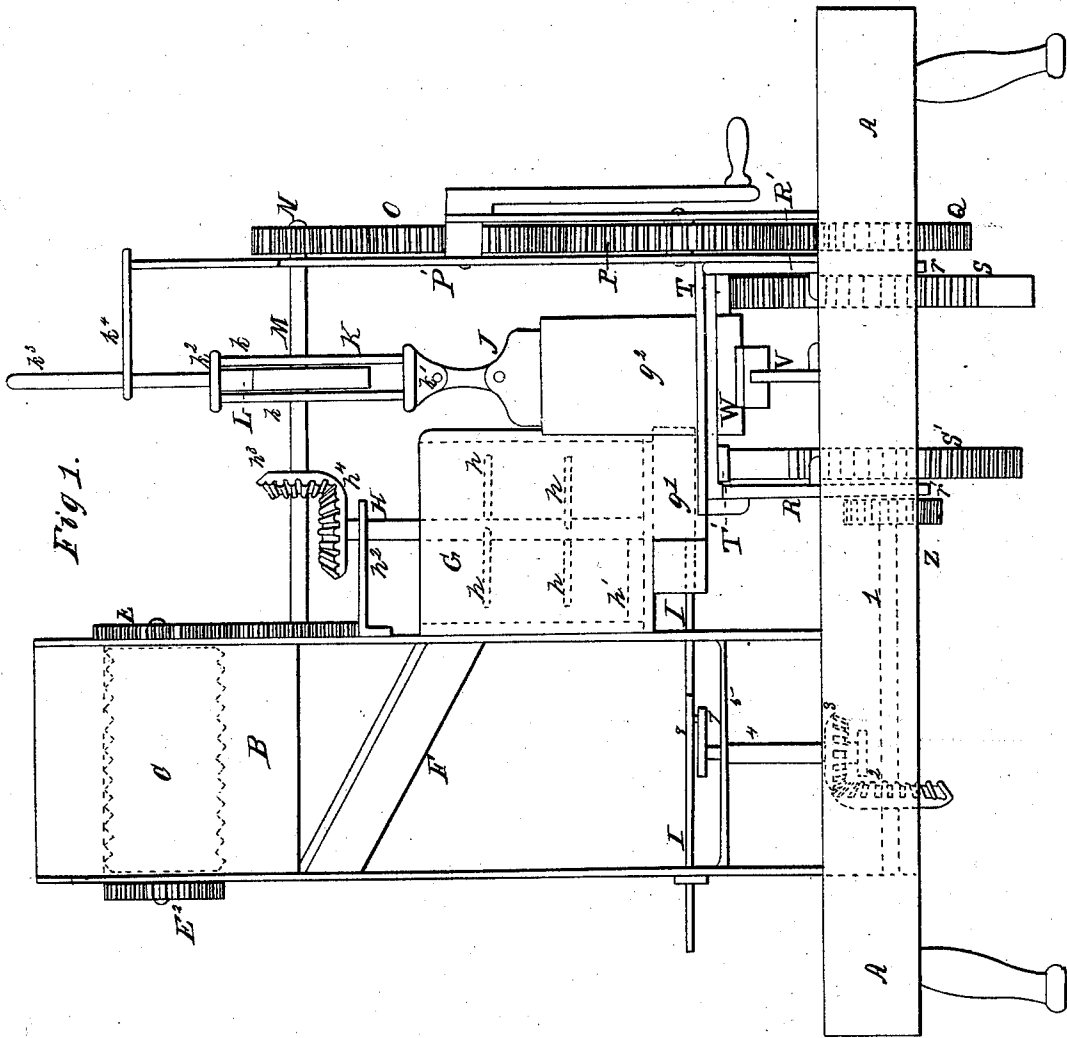
Sheet 1-3 Sheets.

W. O. Leslie,

Brick Machine,

No 77,894,

Patented May 12, 1868



Witnesses.

George E. Buckley
W. A. M. Chisley

Inventor:

W. O. Leslie

Sheet 2-3 Sheets.

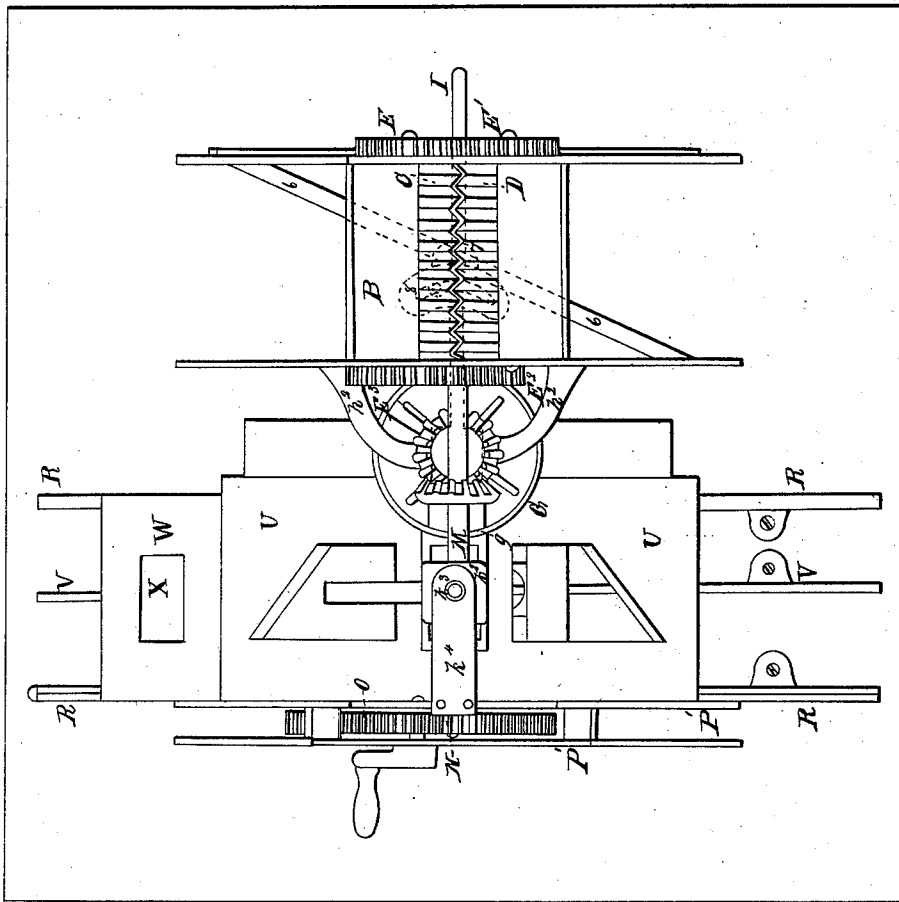
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Fig 2.



Witnesses.

George L. Buckley
W. A. McKelvey

Inventor.

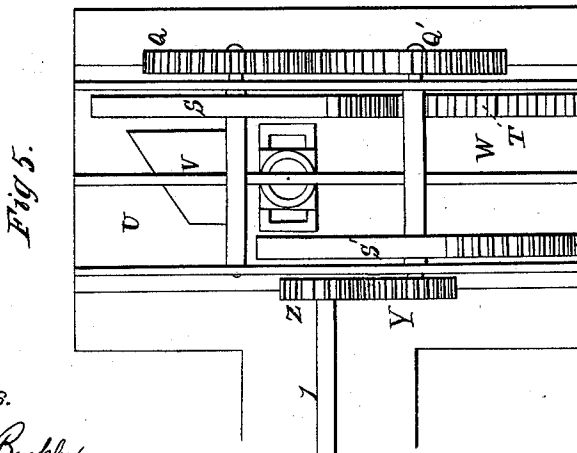
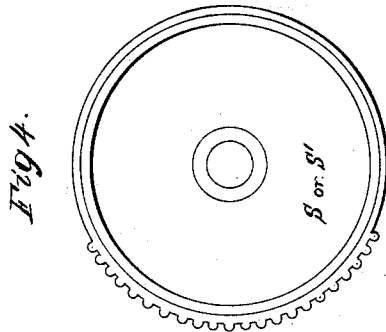
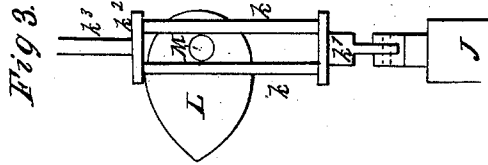
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H. A. Anshury

Inventor.

W.O. Leslie

Clay from the pit is fed into the tub B, where it is crushed by the action of the rollers C and D, and passes through the chute F into the mixing-tub G. Here it is thoroughly tempered by the action of the revolving-

knives h , and finally swept into the chamber g^1 by the rotary sweep h^1 . It is pressed from this chamber by the plunger I , into the box g^2 , and it is pressed by the vertical plunger J , operated by the cam L , into the moulds, as they are alternately presented by the carriage.

The segment-cog wheels S and S' , through the gearing described, have imparted to them, by the driving-wheel o , a continuous rotary motion, and their action on the racks T is such as to impart a reciprocating motion to the mould-carriage W .

There is also imparted, by the gearing described, a continuous rotary motion to the crank, 7 , which, acting by means of the pin shown, through the slotted cam or yoke 8 , imparts a reciprocating motion to the horizontal plunger I , the arrangement of which is such as to cause it to press the tempered clay into the box g^2 , and, by pausing, confine it there, while the vertical plunger J presses it down into the mould.

The operation of the pressure-plate, mould-carriage, moulds, and track is similar to the operation of the similar parts described in my said Letters Patent.

Having thus described my improvements, I claim, and desire to secure by Letters Patent—

1. The combination of the pug-mill or mixing-tub G with the chamber g^1 , having the plunger I working therein, the chamber g^2 with the plunger J , and the reciprocating mould-carriage W , all constructed and ranged to operate substantially as shown and described.

2. The mould-carriage, provided with the racks T , in combination with the segment-wheels S and S' , and the spur-wheels Q and Q' , when arranged as shown and described, for the purpose of imparting to the mould-carriage a reciprocating motion, as set forth.

Witnesses:

W. A. A. MCKINLEY,
GEO. E. BUCKLEY.

WM. O. LESLIE.