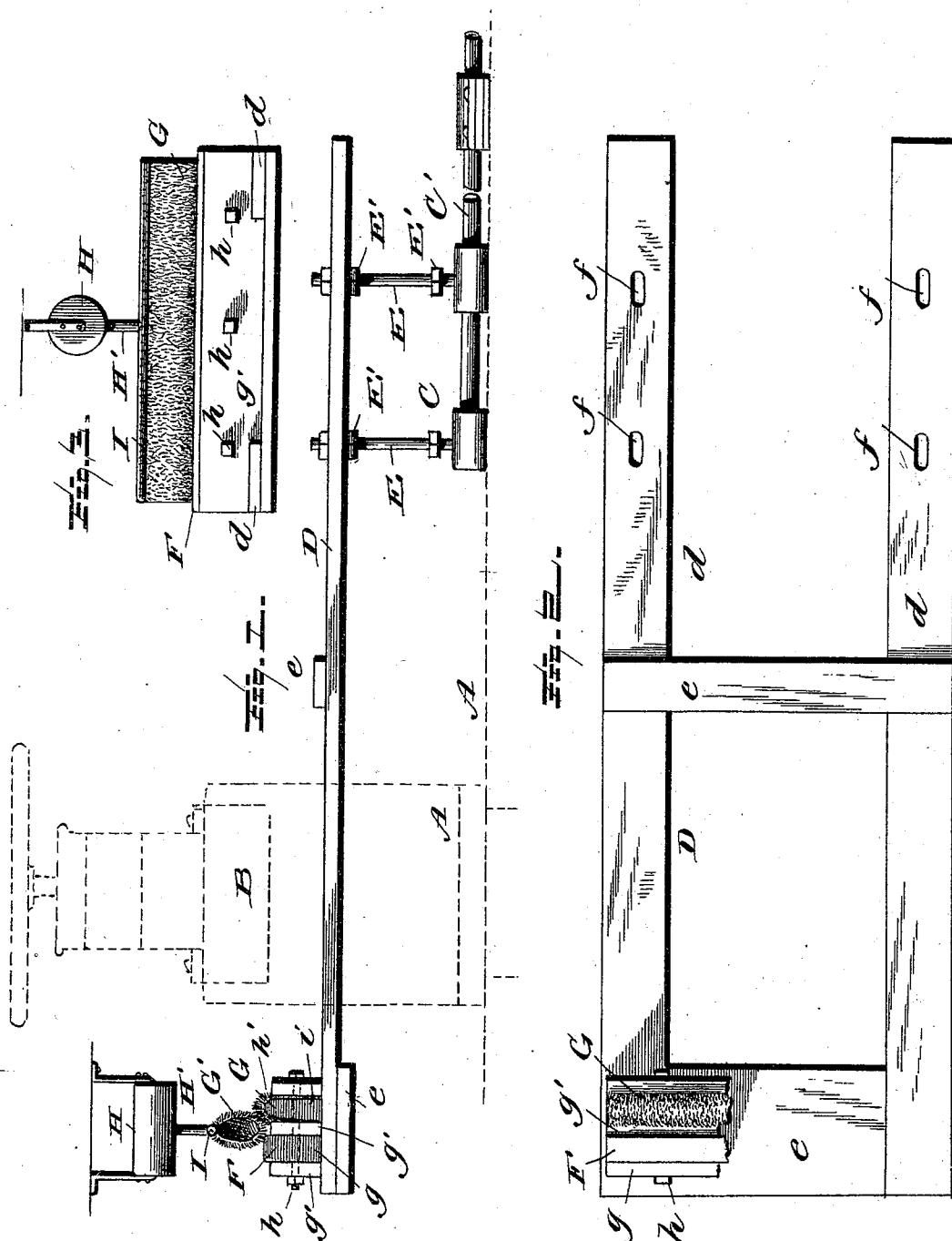


(No Model.)

D. P. GUISE.
BRICK MACHINE.

No. 510,066.

Patented Dec. 5, 1893.



Witnesses

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UNITED STATES PATENT OFFICE.

DAVID P. GUISE, OF WILLIAMSPORT, PENNSYLVANIA.

BRICK-MACHINE.

SPECIFICATION forming part of Letters Patent No. 510,066, dated December 5, 1893.

Application filed November 10, 1892. Serial No. 451,539. (No model.)

To all whom it may concern:

Be it known that I, DAVID P. GUISE, a citizen of the United States, residing at Williamsport, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Brick-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in re-press brick machines and more particularly to means for automatically cleaning and lubricating the plunger before it descends to press the brick.

It has for its objects among others to provide a simple and cheap device which can be readily applied and which will be operated by the pusher, requiring no additional power and occupying but little room.

The device is so arranged and mounted that as the pusher is moved the lubricating mechanism is actuated and the face of the plunger cleaned and lubricated before the said plunger descends to press the brick.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a side elevation showing the application of my improvements. Fig. 2 is a top plan of the bed with the pusher and its attaching rods removed and a portion of the lubricator broken away. Fig. 3 is an elevation of the lubricator.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates a portion of a re-press brick machine with its plunger B in dotted lines.

C is the pusher and C' its stem or rod which is designed to be reciprocated in the usual manner in this class of devices, but as such is well known and understood in the art I have chosen not to show the means for oper-

ating the plunger, it being deemed sufficient to state that it operates in the usual manner to push the brick forward and under the plunger after it has been placed on the table of the re-press brick machine.

D is a light frame consisting of the longitudinal bars *d* connected by the cross or tie plates or bars *e* as seen in Fig. 2, and provided near one end with the elongated slots *f* as seen in Fig. 2 in which are engaged the rods E which are vertically adjustable in any suitable manner as by nuts E' and also longitudinally adjustable by suitable nuts as seen in Fig. 1; these rods are connected with the pusher so as to move therewith and carry the frame as will be readily understood from Fig. 1. It will thus be understood that as the pusher reciprocates the frame D reciprocates with it. At the other end of this frame is the scraper F which consists preferably of a piece of suitable material as rubber belting *g* secured between two blocks *g'* and so adjusted that the edge of the said belting or other material at each movement of the machine brushes off the face of the plunger. Held by the same bolt *h* that holds these blocks and the rubber or scraper together is the oiling brush G composed preferably of sheep skin covered with wool *h'* and folded over a block *i* with the wool projecting upward as seen in Fig. 1 so as to touch the face of the plunger as it passes beneath it.

H is an oil receptacle suitably suspended in the proper position as seen in Figs. 1 and 3 and having communicating therewith and depending therefrom a discharge pipe H' which in turn communicates with a transverse perforated pipe I through the perforations in which the oil gradually flows and from which it drops into or onto a cushion G' which hangs suspended from said perforated pipe as seen best in Fig. 1 at the proper point to be brushed by the brush G as the latter is reciprocated as will be clearly understood from Fig. 1.

The operation will be readily understood from the foregoing description when taken in connection with the annexed drawings and a detailed description thereof is not deemed necessary further than to state that the parts are so timed that the pusher is moved forward to move the brick under the plunger

and this while the plunger is in its elevated position, and the lubricator and cleaner moving with the pusher the cleaner cleans the lower face of the plunger and then moves on
5 till the brush G is oiled from the cushion and on the return movement of the pusher the said brush comes in contact with and oils the face of the plunger which then descends and presses the brick in the usual way.

10 Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What I claim as new is—

1. The combination with the plunger and
15 the pusher, of a combined cleaner and lubricator adjustably carried by the pusher, and a suspended cushion stationarily supported to be engaged by said cleaner as set forth.

2. The combination with the frame, of a
20 cleaner carried thereby, a lubricating brush also carried by said frame, an oil supply and

an interposed suspended cushion stationarily supported to be engaged by said cleaner, as set forth.

3. The combination with the reciprocating
25 brush, of the oil supply a stationary perforated pipe leading therefrom, and a non-reciprocative cushion between the pipe and brush and suspended from the said pipe, as set forth.

4. The combination with the cleaner and
30 brush, of an oil supply, a perforated pipe leading therefrom, and a non-reciprocative cushion supported from said pipe and arranged to be engaged by the said brush, as set forth.

35 In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

DAVID P. GUISE.

Witnesses:

J. C. HILL,

G. A. HILL.