(No Model.)

G. B. LAMB.

POWER PRESS.

No. 295,411. Patented Mar. 18, 1884.

Fig. 1

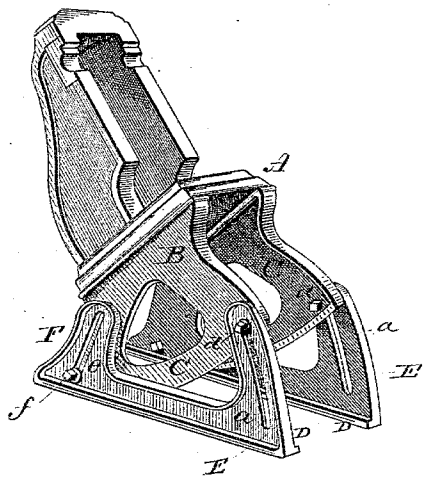
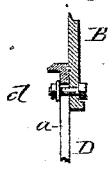


Fig. 2



Witnesses,
L. N. Shumway
Jos. C. Earle

Geo. B. Lamb
Inventor,
By Atty
Wm. C. Earle

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

GEORGE B. LAMB, OF WATERBURY, CONN., ASSIGNOR TO THE WATERBURY FARREL FOUNDRY AND MACHINE COMPANY, OF SAME PLACE.

POWER-PRESS.

SPECIFICATION forming part of Letters Patent No. 295,411, dated March 18, 1884.

Application filed November 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE B. LAMB, of Waterbury, in the county of New Haven and State of Connecticut, have invented new Improvements in Power-Presses; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view, showing the press in the inclined position; Fig. 2, a transverse section through one of the arms and bolt.

This invention relates to an improvement in that class of power-presses in which the bed with the mechanism thereon is made adjustable to different angles. In this class of presses various mechanisms have been applied as a means for turning the press backward and forward, but generally this mechanism is expensive, adding greatly to the cost of the machine.

The object of my invention is to simplify and cheapen the construction; and it consists in constructing the legs of rocker shape, and combining therewith a track or bearing upon which the rockers may work, said track or bearing constructed with arms extending upward parallel with the legs of the machine, and with segment-shaped slots in said legs corresponding to the arc described by a certain point on the legs or rocking portion, and bolts or set-screws at said certain points through said slots, whereby as the press is turned to different inclinations the bolts or set-screws move up or down through the slots, as the case may be, until the required inclination is attained. Then the said screws or bolts set fix the machine in that inclined position, as more fully hereinafter described.

A represents the bed of the press, upon which the operative mechanism is applied in the usual manner. I show only the uprights upon which that mechanism is placed, the mechanism itself being too well known to require illustration or description. From the bed legs B extend downward, their lower ends having rockers C, one upon each side—that is, one on the right-hand side and the other on the left.

D D represent the two tracks or bearings, upon which the rockers rest and work. These tracks or bearings stand upon the floor, and from each there projects upward an arm, E, at the front, and a corresponding arm, F, at the rear, parallel with their respective sides of the rockers. In the front arm is a segment-shaped slot, *a*, corresponding in shape and position to the path of a bolt, *d*, which extends from the forward end of the rocker through said slot, and in the rear arm, F, is a like slot, *e*, which corresponds in shape to the path of a bolt, *f*, at the rear end of the rocker, and so that as the press is turned backward or forward the bolts *d f* will move through their respective slots up or down, as the case may be, and so that when the desired inclination is attained the bolts may be brought to a bearing upon the arms, and so as to secure the machine in that desired position, and this position may be horizontal or inclined either to the front or rear.

By my invention I have greatly simplified the construction of this class of presses, and made their adjustment easy and secure when adjusted.

While I prefer to make the arm at the front and rear on each side the machine, as shown, any two may be omitted.

I claim—

1. The herein-described improvement in adjustable power-presses, consisting of the bed which carries the operative mechanism, combined with rockers upon which the bed is fixed, tracks or bearings upon which said rockers will work, and vertical arms extending upward and parallel with the sides of the rockers, said arms constructed with segment shaped slots corresponding in shape to the path of movement of bolts in said rockers, and so that said bolts will work through the respective slots as the machine is turned to different positions, and so that said bolts through said slots will secure the machine at any desired position, substantially as described.

2. The combination of the bed A, carrying

the operative mechanism, rockers C, supporting said bed and mechanism, and tracks or bearings D D, upon which said rockers work, said tracks constructed with an arm at the front and rear extending upward parallel with the sides of the rockers, and constructed with segment-shaped slots corresponding to the path of the bolts, which extend from said rockers through said slots, and by which bolts the machine may be secured at any desired position, substantially as described.

GEO. B. LAMB.

Witnesses:
CHAS. B. CURTIS,
E. F. LEWIS.