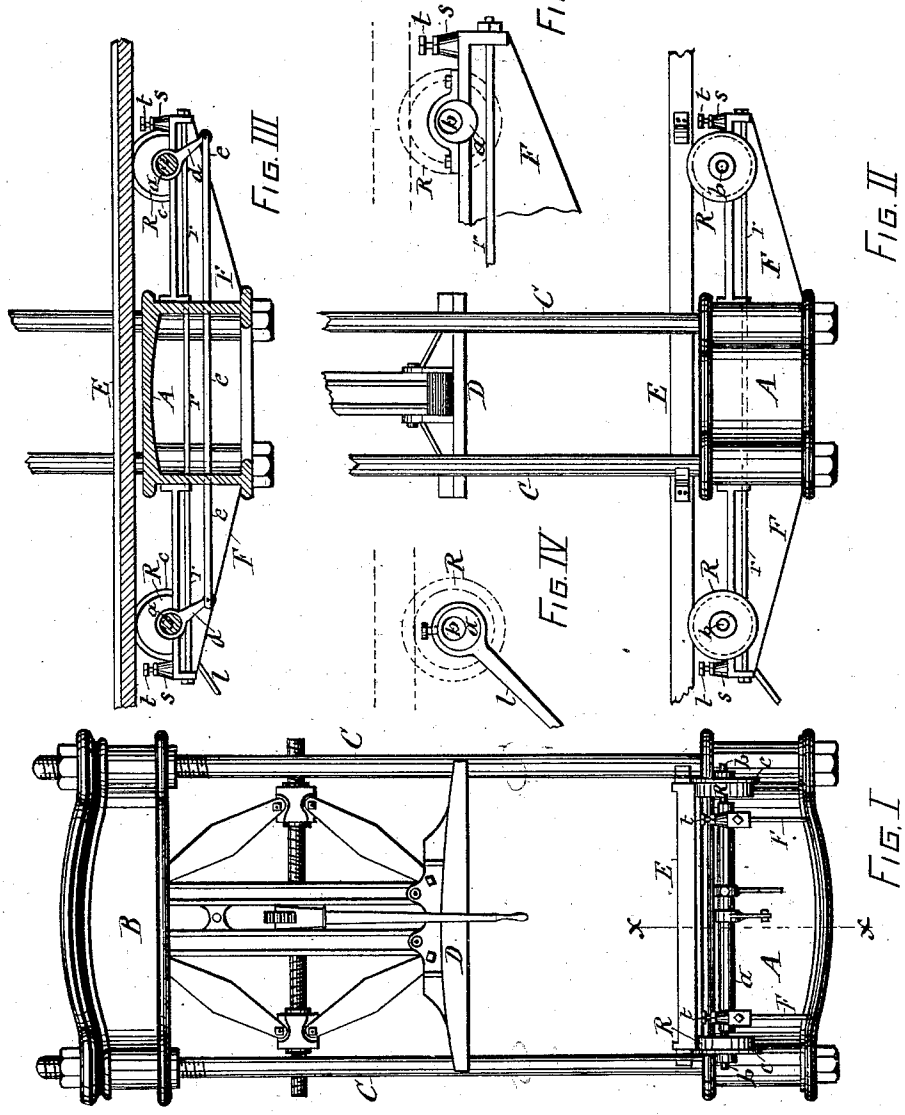
(No Model.)

R. E. BOSCHERT.

POWER PRESS.

No. 279,695. Patented June 19, 1883.



WITNESSES:

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Wm. C. Raymond.

INVENTOR:

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per Dodd, Lassett & Hay

his attys.

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

UNITED STATES PATENT OFFICE.

RUFUS E. BOSCHERT, OF SYRACUSE, NEW YORK.

POWER-PRESS.

SPECIFICATION forming part of Letters Patent No. 279,695, dated June 19, 1883.

Application filed April 13, 1883. (No model.)

To all whom it may concern:

Be it known that I, RUFUS E. BOSCHERT, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Power-Presses, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the platform of power-presses, and has more particular reference to that class of platforms which have a double capacity, and are arranged movable under the follower or over the foot-block of the press, so that the pressed substance can be removed from one end of the platform and a fresh supply of pulp or other substance to be pressed can be placed thereon, while the substance on the other end of said platform is subjected to the pressing process.

The object of my invention is to provide more simple, convenient, and effective means for carrying the platform back and forth over the foot-block of the press and for supporting the projecting end of said platform; and to that end my invention consists in the combination and arrangement of the platform carrying and supporting devices, as hereinafter fully described, and set forth in the claims.

Referring to the annexed drawings, Figure I is a front elevation of a power-press provided with my improvements. Fig. II is a side view of the lower portion of said press. Fig. III is a vertical section taken on line *x x*. Fig. IV is an enlarged detached end view of the rock-shaft which is provided with the manipulating-lever; and Fig. V is an end view of the other rock-shaft with the roller removed, and showing the connection of said shaft with its support on the press.

Similar letters of reference indicate corresponding parts.

A represents the foot-block, and B the head-block, of a power-press, said blocks being connected by tie-rods C C in the usual manner. D denotes the follower guided between said rods. I do not, however, limit my invention to any particular style of press, except that it is in an upright position. E represents a prolonged platform mounted movably on top of the foot-block A, and having a capacity of carrying at least two tiers of cheeses or cases of pulp at the same time. From each of the two opposite sides of the foot-block project two parallel horizontal arms, F F, which are firmly secured in their position by means of rods *r*, extended transversely through the foot-block, and connected at opposite ends, respectively, with the free ends of one of the set of arms at opposite sides of the foot-block, as seen in Fig. II of the drawings. In suitable bearings on the free ends of each set of arms F F is supported a rock-shaft, *a*, which is arranged transversely underneath the platform E, and has its two extremities provided with a journal or spindle, *b*, which stands eccentric in relation to the axes of the rock-shaft *a*. On said spindles are journaled rollers R, the outer edge of the periphery of which is in line with the outer edge of the platform E, and is provided with a flange, *c*, which embraces the edge of the platform, and thus guides the same in its movements. The shaft *a* is at such a distance below the platform, and the roller R is of such a diameter, that by turning the shaft *a* so as to carry its spindles *b* below the axial center of said shaft the periphery of the rollers R R will clear the under side of the platform E and allow the same to rest upon the foot-block A, which position it is to occupy during the process of pressing the pulp placed under the follower, and of simultaneously removing the pressed substance from the end of the platform and replacing thereon a new supply of pulp to be pressed.

When, after the completion of the aforesaid processes, the platform is to be moved to carry the pressed substance from under the follower and to place the new supply of pulp in position to be pressed, the follower D is raised in the usual manner, and then the platform is lifted and caused to be carried by the rollers R R by turning the rock-shaft *a* so as to bring the spindle *b* above the axial center of said shaft, as illustrated in the annexed drawings. The platform thus mounted on the rollers can then be easily moved, as aforesaid.

In order to simultaneously turn the two rock-shafts, and thus maintain the platform in a horizontal position, I provide each of said shafts with a rock-arm, *d*, firmly attached thereto. The two rock-arms stand parallel, and are connected with each other at their free

ends by a rod, *e*. A manipulating-lever *l* is fastened to one of the shafts for turning the same, and the aforesaid rod *e* transmits the motion to the other shaft *a*. The extremities of the arms F are provided with vertical screw-threaded sockets *s*, in which work set-screws *t*, which can be set so as to support the end of the platform when lowered to rest on the foot-block A.

Having described my invention, what I claim as new is—

1. In a power-press, a prolonged platform mounted movably on the foot-block of the press, and carrying-rollers arranged under said platform, and journaled on spindles fixed eccentric to a support adapted to be turned on its axes, substantially as and for the purpose specified.

2. In a power-press, a prolonged platform mounted movably on the foot-block of the press, rock-shafts arranged transversely underneath the platform at opposite sides of the press, and rollers journaled on said shafts eccentrically in relation to the axis of the shafts, and adapted to lift and carry the aforesaid platform, substantially as set forth.

3. The combination, with the foot-block of a press, of a movable platform, arms extended from opposite sides of the foot-block, rock-shafts mounted on said arms and provided at their extremities with eccentric journals, rollers mounted on said journals and adapted to carry the platform, rock-arms connected with the respective rock-shafts, a rod connecting the rock-arms, and a lever for operating the rock-shafts, substantially as shown and described.

4. In combination with the foot-block of a press and a platform mounted movably thereon, arms extended from opposite sides of the foot-block, and set-screws on the free ends of said arms for supporting the projecting end of the platform, substantially as described and shown.

In testimony whereof I have hereunto signed my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 9th day of April, 1883.

RUFUS E. BOSCHERT. [L. S.]

Witnesses:
FREDERICK H. GIBBS,
WILLIAM C. RAYMOND.