(No Model.) 2 Sheets—Sheet 1.

D. PIKE.

POTTERY PRESS.

No. 258,865. Patented May 30, 1882.

Fig. 1.

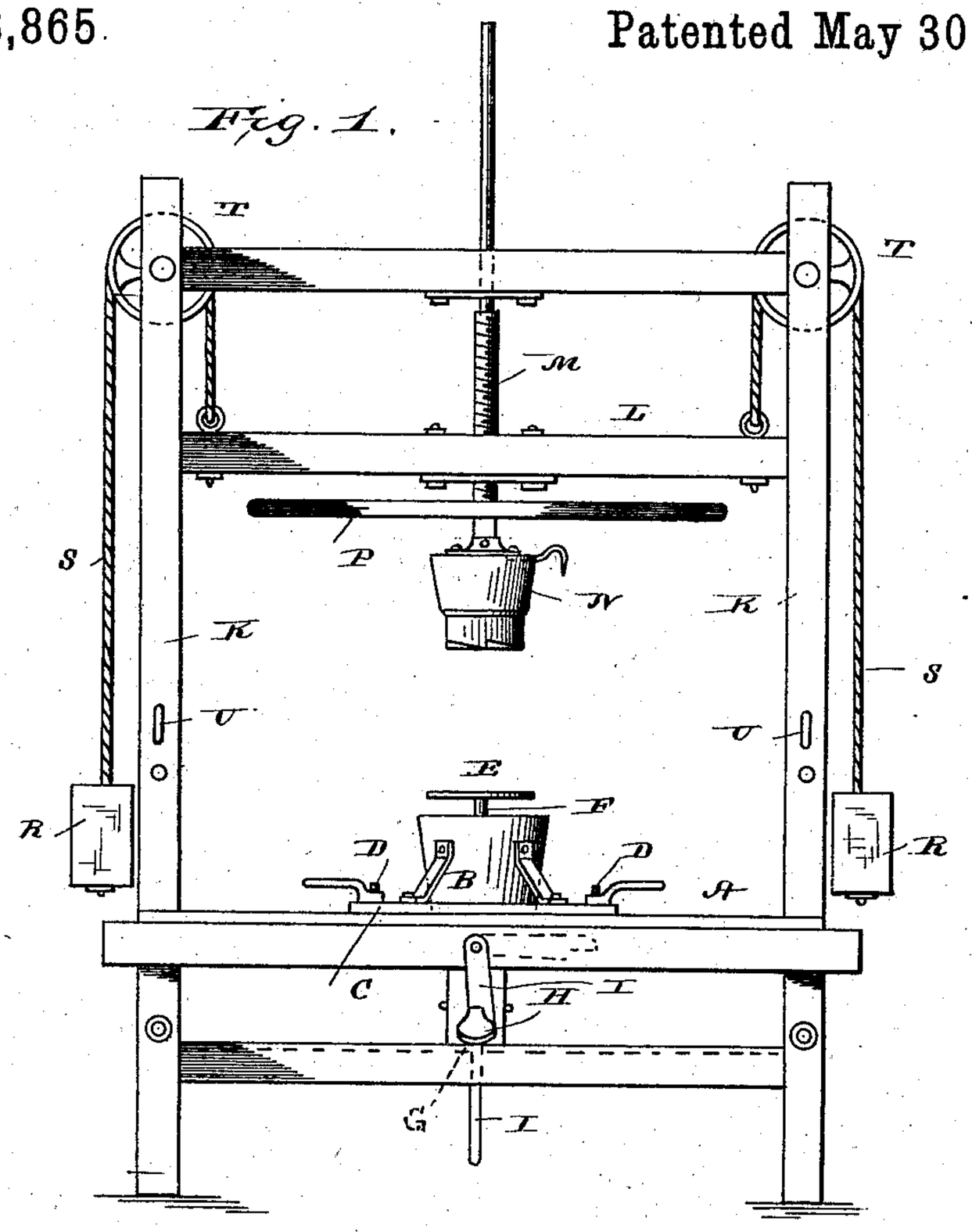
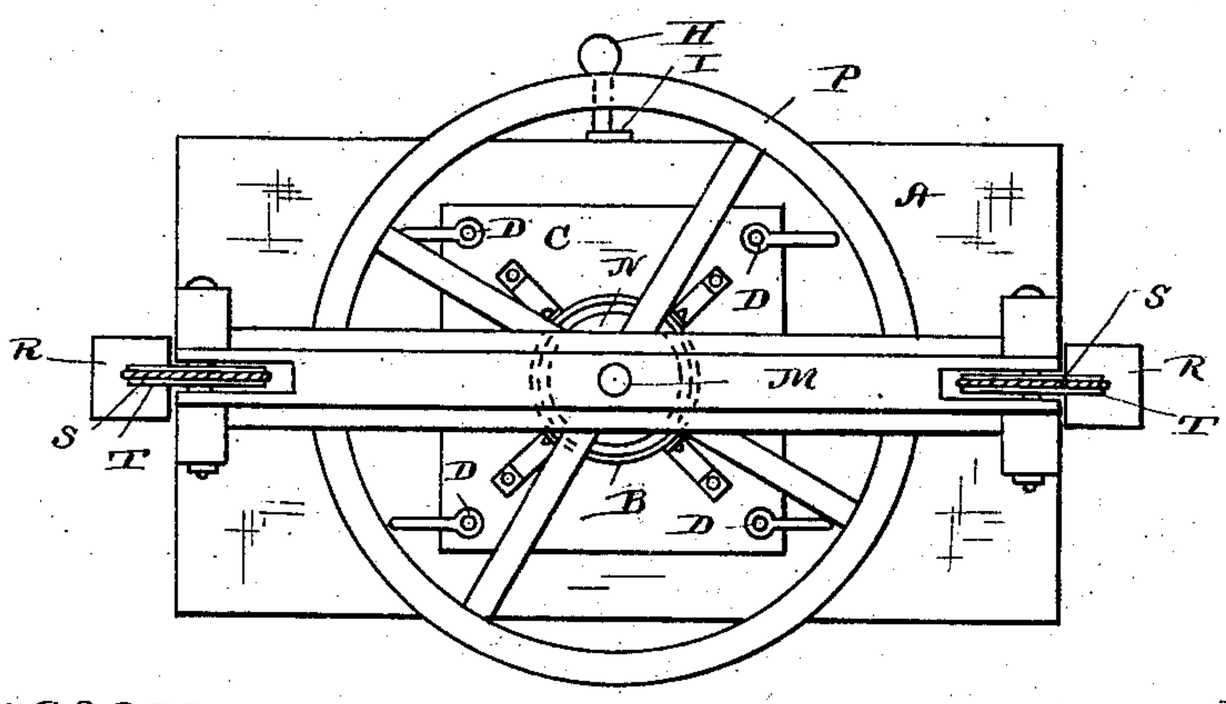


Fig. 2.



Witnesses:
Edwin L. Yewell.
J. J. McCarthy.

Inventor.
Daniel Pike.
By C. M. Alexander.
Attorney

(No Model.)

2 Sheets—Sheet 2.

D. PIKE.

POTTERY PRESS.

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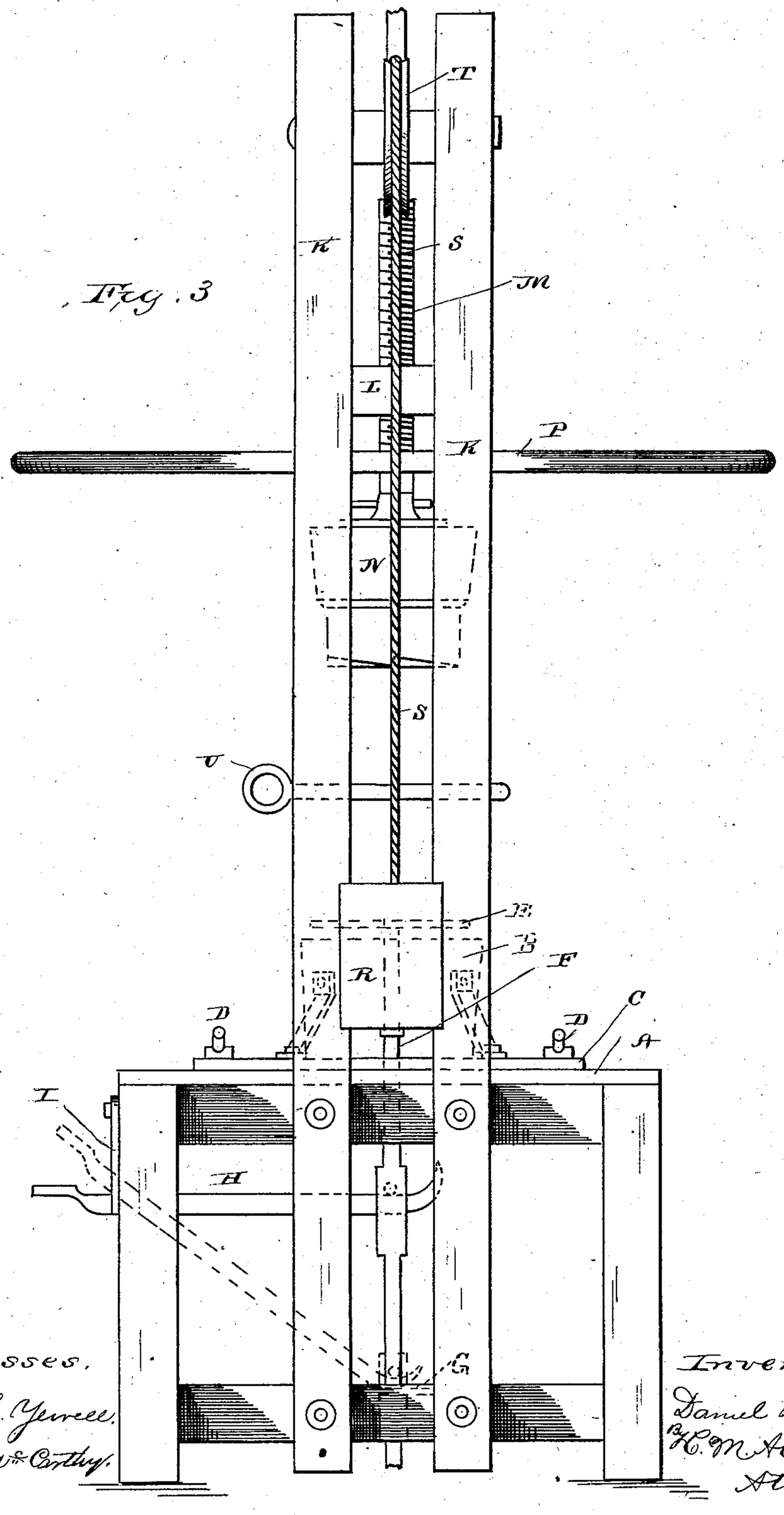
Fig. 3



Witnesses,
Edwin L. Yewell.
J. J. McCarthy.

Inventor.
Daniel Pike
By C. M. Alexander
Atty.

UNITED STATES PATENT OFFICE.

DANIEL PIKE, OF NEW ORLEANS, LOUISIANA, ASSIGNOR OF ONE-HALF TO M. J. DEADY, OF SAME PLACE.

POTTERY-PRESS.

SPECIFICATION forming part of Letters Patent No. 253,865, dated May 30, 1882.

Application filed March 15, 1882. (No model.)

To all whom it may concern:

Be it known that I, DANIEL PIKE, of New Orleans, in the parish of Orleans, and in the State of Louisiana, have invented certain new and useful Improvements in Pottery-Presses; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to an improved apparatus for molding and pressing pottery-ware; and it has for its objects to provide certain improved means whereby the clay may be conveniently pressed in the mold and properly shaped and the molded article delivered from the mold after it is finished, as more fully hereinafter specified. These objects I attain by the apparatus and mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a front elevation of my improved apparatus; Fig. 2, a top view, and Fig. 3 a side elevation, of the same.

The letter A indicates the bed or table of the machine, and B the mold, which is of suitable shape and attached to the bed or table at its center. The said mold is constructed of metal, and is provided with a rectangular base, C, through the corners of which are passed the bolts or screws D, by means of which the mold is secured to the bed or table. The mold is provided with a movable false bottom, E, which is attached to the upper end of a vertical rod, F, which passes through a guide, G, and is connected with a lever, H, fulcrumed to the front of the machine below the bed or table, by means of which the false bottom may be elevated in the mold in order to discharge the article after it is finished.

The letter I indicates a latch, the object of which is to hold the false bottom up while the molded article is being removed. The bed or table at its sides is provided with uprights K, which form vertical guides for a cross-bar, L, which is provided with a screw, M, which carries at its lower end a plunger, N, of a shape to correspond with the interior of the article to be molded, and also with a hand-wheel, P, by means of which the shaft and plunger may be turned. The plunger on its lower surface is provided with a series of beveled faces of such configuration as to work the clay to the sides of the mold when in operation, in imitation of the manner of working the clay upon a potter's lathe, facilitating the molding of the article and insuring a perfect article. The plunger, wheel, and cross-bar are counterbalanced by the weights R, which are attached to the ropes S, passing over the pulleys T, and secured to the cross-bar, so as to permit the cross-bar to be readily raised or lowered.

The letter U indicates two pins, whereby the cross-bar may be fastened down while the plunger is in operation.

The operation of my invention is as follows: The clay is placed in the mold and the cross-beam drawn down and fastened by means of the pins. The plunger is then forced into the mold by rotating the screw in the proper direction, the peculiarly-shaped bottom of the plunger working the clay toward the sides and pressing it into shape. When properly formed the beam is elevated, and the article is forced out of the mold by elevating the false bottom by means of the foot-lever.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In combination with the mold, the plunger secured to a screw passing through a cross-beam, arranged to move in ways or guides, and counterbalanced by means of suitable weights and chains, substantially as specified.

2. In combination with the mold, the rotating plunger having a series of beveled faces on its bottom, substantially as and for the purposes specified.

In testimony whereof I affix my signature, in presence of two witnesses, this 27th day of February, 1882.

DANIEL PIKE.

Witnesses:

WM. H. PASCOE,

M. J. DEADY.