

(No Model.)

J. H. MOON.
POTTERY LAWN.

No. 282,752.

Patented Aug. 7, 1883.

Fig: 2.

Fig: 1.

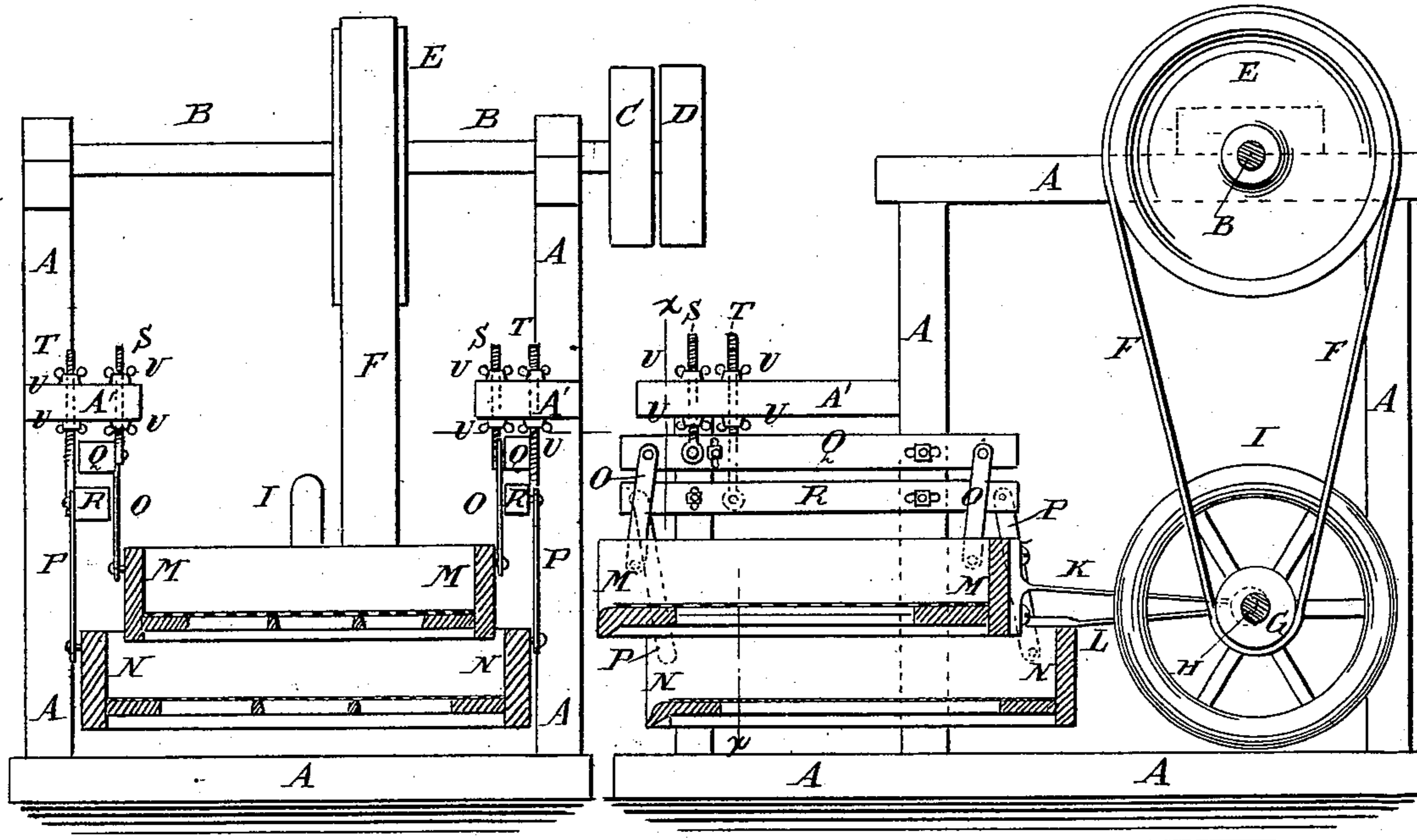
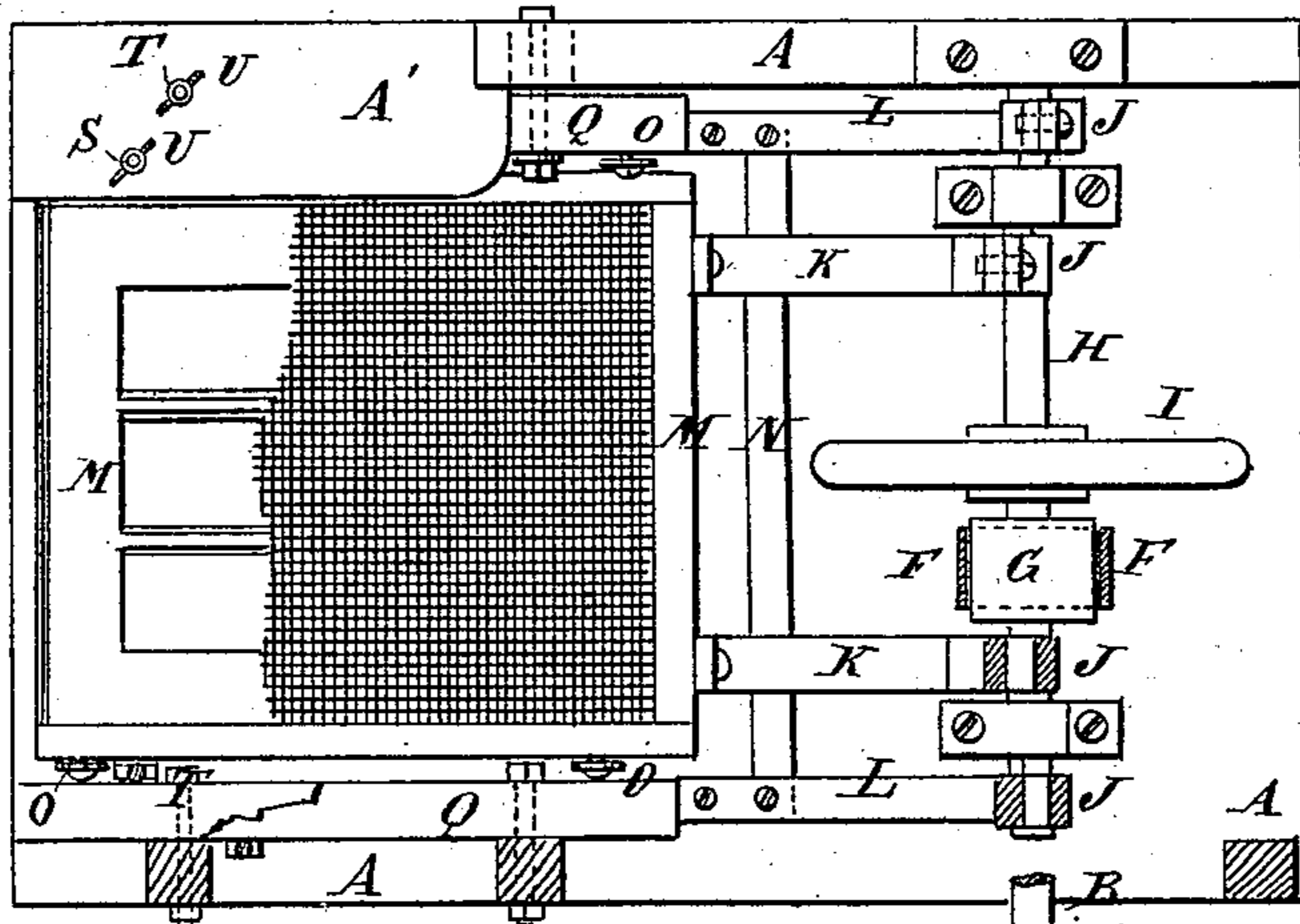


Fig: 3.



WITNESSES:

Chas. Vida
C. Sedgwick

INVENTOR:

J. H. Moon
BY *Mum & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES H. MOON, OF FALLSINGTON, PENNSYLVANIA.

POTTERY-LAWN.

SPECIFICATION forming part of Letters Patent No. 282,752, dated August 7, 1883.

Application filed May 18, 1883. (Model.)

To all whom it may concern:

Be it known that I, JAMES H. MOON, of Fallsington, in the county of Bucks and State of Pennsylvania, have invented certain new and useful Improvements in Pottery-Lawns, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional side elevation of my improvement. Figure 2 is a sectional end elevation of the same taken through the broken line *xx*, Fig. 1. Fig. 3 is a plan view of the same, partly in section and part being broken away.

The object of this invention is to facilitate the preparation of the material for pottery-making.

The invention consists in a pottery-lawn constructed with a shaft having eccentrics connected by pitmen, with the lawn-frames suspended by hinged hangers from bars attached to the frame of the machine. With the rear ends of the supporting-bars are connected hinged screws, secured adjustably to the top bars of the frame of the machine by nuts screwed upon them above and below the said top bars, so that the inclination of the said lawn-frames can be readily regulated, as will be hereinafter fully described.

A represents the frame of the machine, to the forward upper part of which are attached bearings to receive the driving-shaft B. To one end of the shaft B are attached a fast pulley, C, and a loose pulley, D, to receive the driving-belt.

To the shaft B is attached a pulley, E, around which passes a belt, F. The belt F also passes around the pulley G, attached to a shaft, H, which revolves in bearings in the lower forward part of the frame A, and to which is attached a fly-wheel, I, to give steadiness of motion to the machine.

Upon each end part of the shaft H are formed two cranks or eccentrics, J, projecting in opposite directions, and with which

are connected the ends of two pairs of pitmen, K L. The other ends of one pair of pitmen, K, are attached to the upper screen or lawn-frame, M, and the other ends of the other pair, L, are attached to the lower screen or lawn-frame, N.

To the side bars of the lawn-frames M N are pivoted, respectively, the lower ends of the hangers O P, the upper ends of which are pivoted to two bars, Q R, the inner parts of which, or both the inner and outer parts, are bolted to the frame A. The bars Q R are slotted to receive their fastening-bolts, so that the said bars can be adjusted as may be desired.

To the rear parts of the bars Q R are hinged the lower ends of the screws S T, which pass up through the wide top bars, A', of the rear part of the frame A, and have nuts U screwed upon them above and below the said bars, so that by adjusting the said nuts U the rear ends of the lawn-frames M N can be adjusted to give a greater or less inclination to said frames as the work to be done may require.

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

1. A pottery-lawn constructed substantially as herein shown and described, and consisting of the shaft H, having eccentrics J, and its driving mechanism, the pitmen K L, the lawn-frames M N, the hinged hangers O P and their supporting-bars Q R, and the hinged screws S T and their nuts U, as set forth.

2. In a pottery-lawn, the combination, with the lawn-frames M N, of the pitmen K L and their eccentric shaft H J, and the hinged hangers O P and their supporting-bars Q R substantially as herein shown and described, whereby the said lawn-frames will be supported and vibrated, as set forth.

3. In a pottery-lawn, the combination, with the bars Q R, supporting the hangers O P, and the lawn-frames M N, and the bars A' of the frame A, of the hinged screws S T and their nuts U, substantially as herein shown

and described, whereby the inclination of the said lawn-frames can be readily regulated, as set forth.

4. In a pottery-lawn, the combination, with
5 the two lawn-frames M N and their two pairs of pitmen, K L, of the single shaft H, having two pairs of cranks, J, projecting in opposite directions, substantially as herein

shown and described, whereby the lawns are made to balance each other and thus lessen the wear and strain upon the machine, as set forth.

JAMES H. MOON.

Witnesses:

GEO. J. CONSTANT,
WM. R. THROPP.