(No Model.)

J. HESS.

TRAY ROCKING MACHINE.

No. 525,602. Patented Sept. 4, 1894.

Fig 1.

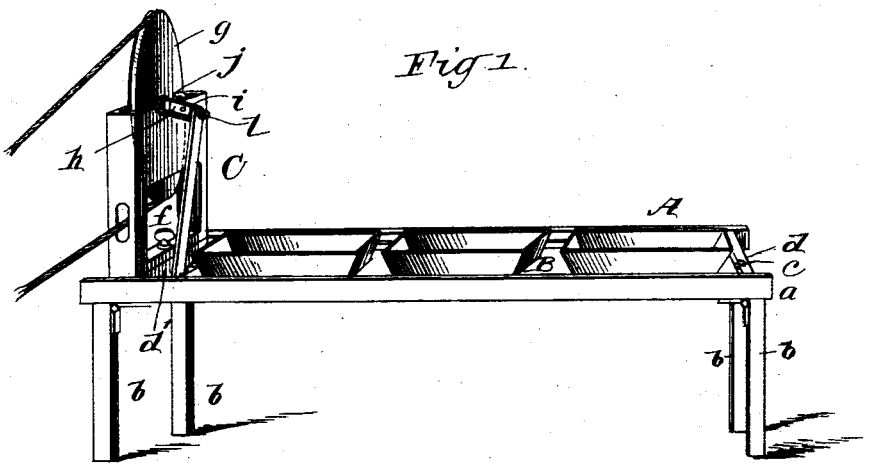


Fig 2

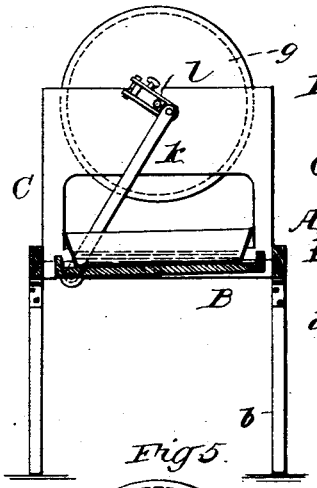


Fig 5.

Fig 3.

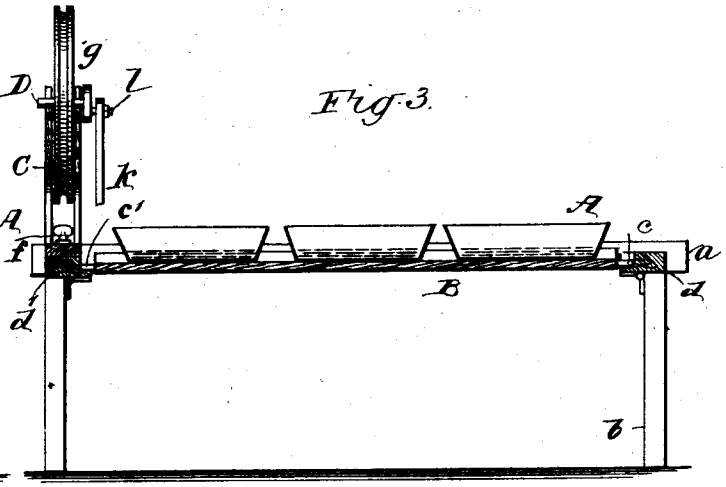
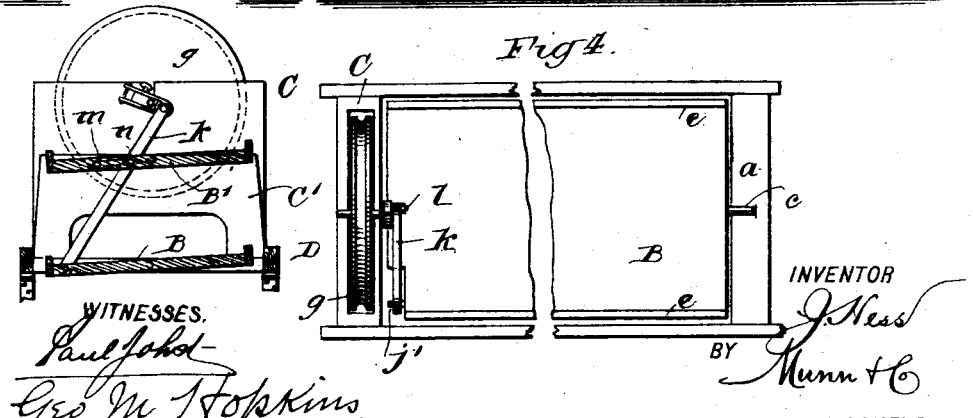


Fig 4.



WITNESSES.

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JOSEPH HESS, OF MIFFLINTOWN, PENNSYLVANIA.

TRAY-ROCKING MACHINE.

SPECIFICATION forming part of Letters Patent No. 525,602, dated September 4, 1894.

Application filed May 16, 1894. Serial No. 511,454. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH HESS, of Mifflintown, in the county of Juniata and State of Pennsylvania, have invented a new and Improved Tray-Rocking Machine, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a perspective view of my improved tray rocking machine. Fig. 2 is a vertical transverse section of the same. Fig. 3 is a longitudinal section. Fig. 4 is a partial plan view; and Fig. 5 is a vertical transverse section of a machine arranged for two sets of trays.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to provide a simple and efficient machine for rocking the trays used by photographers for developing negatives, or toning and fixing prints, so that the work of developing or toning may be expeditiously and thoroughly done, allowing the operator the free use of his hands for inserting or removing plates or prints, or for doing other work.

My invention consists in a table provided with a rocking top, and mechanism for imparting an oscillating motion to the top, all as hereinafter more fully described.

The frame *a* of the table A, is provided with folding legs *b*, to admit of packing it in small compass when the machine is not desired for use. In the upper portion of the frame of the table is pivoted the table top B, the said top being provided with gudgeons *c c'*, resting in the end pieces *d d'* of the frame. The front and rear edges of the table top B are each provided with a cleat *e*, to prevent the trays or other objects from sliding from the table top when it is tilted.

To the end piece *d'* of the frame *a* is removably secured a frame C by the thumb screw *f*, and in the said frame C is journaled a shaft D, provided with a pulley *g*. The end of the shaft D which projects over the end of the table top B is provided with a cross piece *h*, on which is placed a forked crank arm *i*, the said arm being provided with a thumb screw *j* by means of which the crank can be clamped in any desired position. The table top B is provided with a stud *j'* which projects from the end thereof adjoining the frame C, and on the said stud is placed the lower end of a connecting rod *k*, the upper end of which is received by the crank pin *l*.

In the modification shown in Fig. 5, end pieces C' are secured to the ends of the frame *a*, for receiving the gudgeons of the auxiliary table B', which is supported above the table B. In the end of the auxiliary table adjoining the frame C, is formed a slot *m* in which is inserted a stud *n*, which projects from the connecting rod *k*, so that when the connecting rod moves up or down in oscillating the table B, it will also oscillate the table B'.

The trays to be rocked are placed upon one or both of the table tops, and are rocked by the rotation of the wheel *g* by means of a belt connected with any source of power.

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

The combination with the open rectangular frame and the rocking table top therein provided at its opposite ends with pivot pins journaled on the frame, of the shaft provided with a squared end, a forked crank arm clamped adjustably on said squared end, and a pitman connecting the crank arm and the said rocking top, substantially as described.

JOSEPH HESS.

Witnesses:
I. D. MUSSER,
WM. BELL.