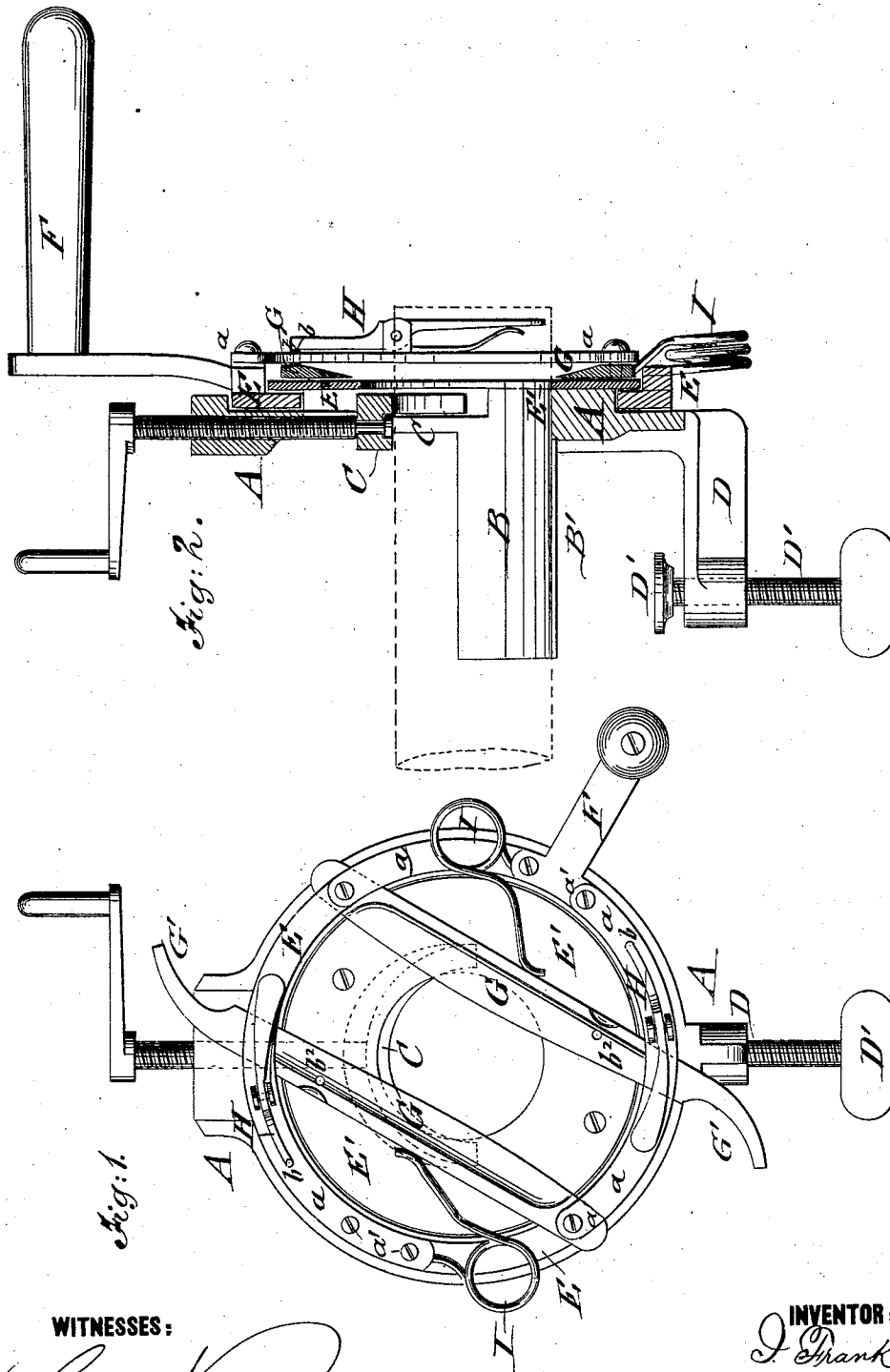


I. FRANK.
Machines for Cutting Roll-Paper.

No.155,232.

Patented Sept. 22, 1874.



WITNESSES:

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IGNATZ FRANK, OF NEW YORK, N. Y.

IMPROVEMENT IN MACHINES FOR CUTTING ROLL-PAPER.

Specification forming part of Letters Patent No. **155,232**, dated September 22, 1874; application filed June 6, 1874.

To all whom it may concern:

Be it known that I, IGNATZ FRANK, of the city, county, and State of New York, have invented a new and Improved Machine for Cutting Roll-Papers, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front view of my improved machine for cutting roll-papers, and Fig. 2 a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described, and then pointed out in the claim.

In the drawing, A represents the vertical supporting frame or standard of my roll-paper-cutting machine. Frame A is preferably made of cast-iron, of circular shape, with central aperture for the roll-paper, which is placed therein, and held firmly in position by supporting quadrantal rear shoulders B, and a suitable clamping device, C, applied by set-screw to the upper part of the roll. The roll-supporting shoulders B serve also, by their horizontal base-flanges B', in connection with a guide-arm, D, and thumb-screw D', for firmly fastening the machine to a table or other support. A ring-shaped cutter-carrying plate, E, is rotated by a crank-handle, F, on the face part of standard A, concentrically to the central roll-aperture, and guided in a ring-plate, E', projecting over the cutter-carrying plate E. Two cutting knives or blades, G, are pivoted at diametrically-opposite points to base-plate E and guide-bands a, which are attached by fastening-screws a' to plate E in such a manner that the cutting-blades slide between them and plate E, being secured in open position sidewise of the central aperture by pivoted

spring-catches H, which are forced with their hook ends b through holes b¹ of the guide-bands a into holes b² of the knives. Strong spiral or other springs I, which are fastened with one end to the base-plate E, act with the other end on the grooved rear edge of the knives, and force the same with considerable force toward the center of the aperture when released from the hook-catches. Projecting handle ends G' of knives G serve to carry the same back into side position, to be held by the catches for adjusting the roll in the central aperture. When this is accomplished, and the center part of the roll provided with a short stiffening-pin, the release of the knives by pressing on the pivoted spring-catches carries them either singly or jointly, as desired, against the roll-paper.

The rotation of the cutter-carrying plate, in connection with the action of the springs on the knives, cuts the roll-paper in rapid and even manner, so that the application of the cutting-machine in the various trades which require a trimming or cutting of roll-papers results in a considerable saving of time and labor.

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

The revolving plate E, having opposite pivoted blades G G having holes b², combined with pivoted spring-catches H, having hook ends b, and bands a, having holes b¹, as and for the purpose specified.

IGNATZ FRANK.

Witnesses:

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