W. F. LODGE.

Paper-Scoring and Cutting-Machine.

No. 212,315. Patented Feb. 18, 1879.

FIG. 1

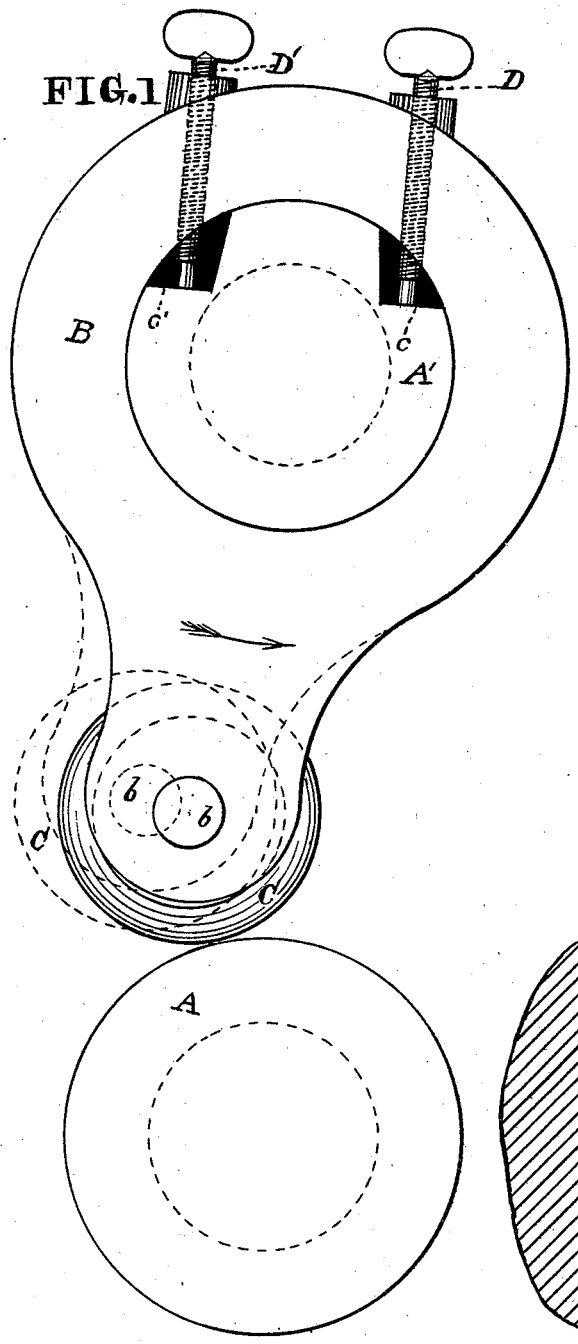
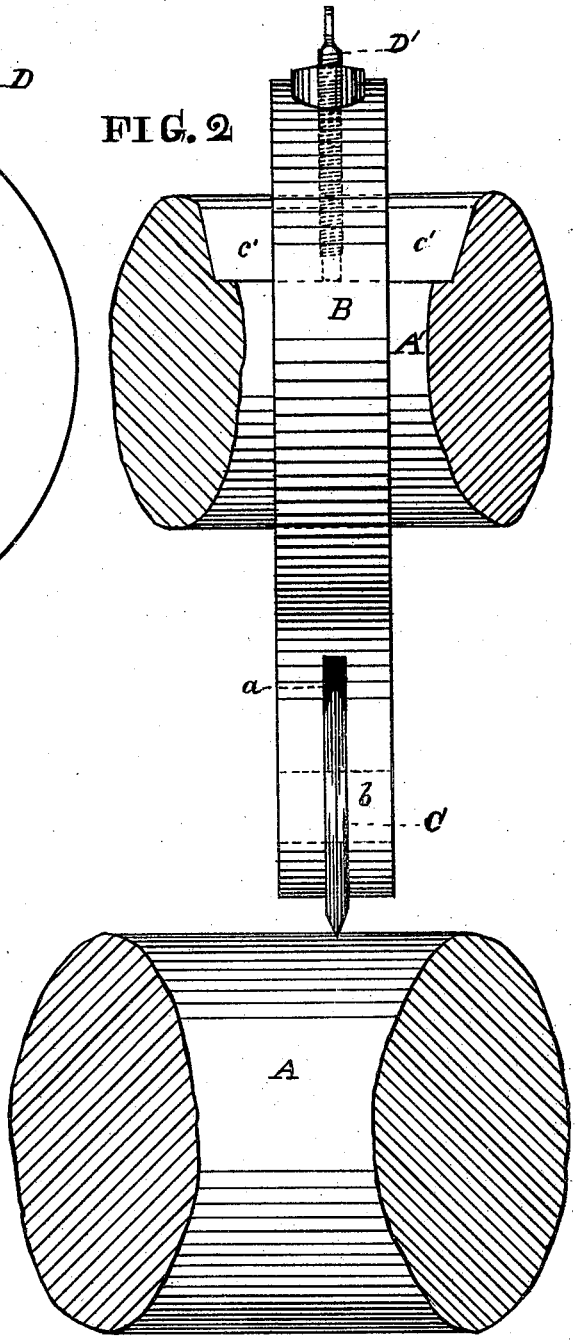


FIG. 2



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM F. LODGE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO JACOB LODGE & SON, OF SAME PLACE.

IMPROVEMENT IN PAPER SCORING AND CUTTING MACHINES.

Specification forming part of Letters Patent No. **212,315**, dated February 18, 1879; application filed November 6, 1878.

To all whom it may concern:

Be it known that I, WILLIAM F. LODGE, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Paper Scoring and Cutting Machines, of which the following is a specification:

The nature of my invention consists in the combination of a cutter-holder (provided with a circular cutter that is capable of revolving upon its axis connected with the holder) with a stationary shaft, upon which it has a partially rotary reciprocation movement imparted to it by means of two set-screws, one of which, by bearing upon a seat or longitudinal rabbet, which runs from end to end of the shaft, brings the cutter into the proper position for performing its work upon the paper carried forward by the feeding or carrying roller. The other set-screw is adapted to turn the cutter-holder in the opposite direction to remove the cutter from the carrier-roller by bearing upon a like seat at the opposite side of the roller, as hereinafter fully described.

In the accompanying drawings, Figure 1 is an end elevation of the scoring and cutting apparatus without the stationary frame. Fig. 2 is a front elevation of the same.

Like letters of reference in both figures indicate the same parts.

A is the paper-carrier roller; B, the cutter-holder on the stationary shaft A′; and C, a rotary scorer and cutter in the slot *a* of the holder, held by means of the pin *b*, on which it revolves. The holder is adapted to have a partial reciprocating movement on the shaft A′ by means of the adjusting-screws D and D′, which pass through the upper edge of the holder to the rabbets *c* and *c′*, which run from end to end of the shaft, and form seats for the adjusting of any desirable number of cutter-holders it may be found necessary to connect with the shaft. When the cutter is in proper position for scoring or cutting it has been moved by turning the holder B in the direction of the arrow by forcing the screw D forward (the screw D′ being slackened) until the cutter assumes the position shown by full lines in Fig. 1, with its edge somewhat removed from the periphery of the carrying-roller A, or touching it, as may be required for the work to be accomplished. When the adjustment is effected the holder is held firmly in its position by screwing down the screw D′ until its point bears sufficiently hard upon its seat *c′* to prevent the lateral movement of the holder. When it is required to remove the cutter away from the carrying-roller a reverse manipulation of the screws D and D′ brings the cutter into the position shown in dotted lines in Fig. 1.

It will be seen that by the means above described the cutter is expeditiously brought into its working position, or removed away from the carrying-roller, and firmly and securely held in its position.

I claim as my invention—

In a paper scoring and cutting machine, a series of cutter-holders, B, having adjusting and confining screws D and D′, in combination with the stationary shaft A′, having longitudinal rabbets *c* and *c′*, upon which the points of the screws are caused to bear in the adjustment of the cutter-holders, and the confinement of them in their adjusted position, substantially in the manner and for the purpose set forth.

WILLIAM F. LODGE.

Witnesses:

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