

(No Model.)

J. J. HOEY.
CARD GRINDING MACHINE.

No. 256,687.

Patented Apr. 18, 1882.

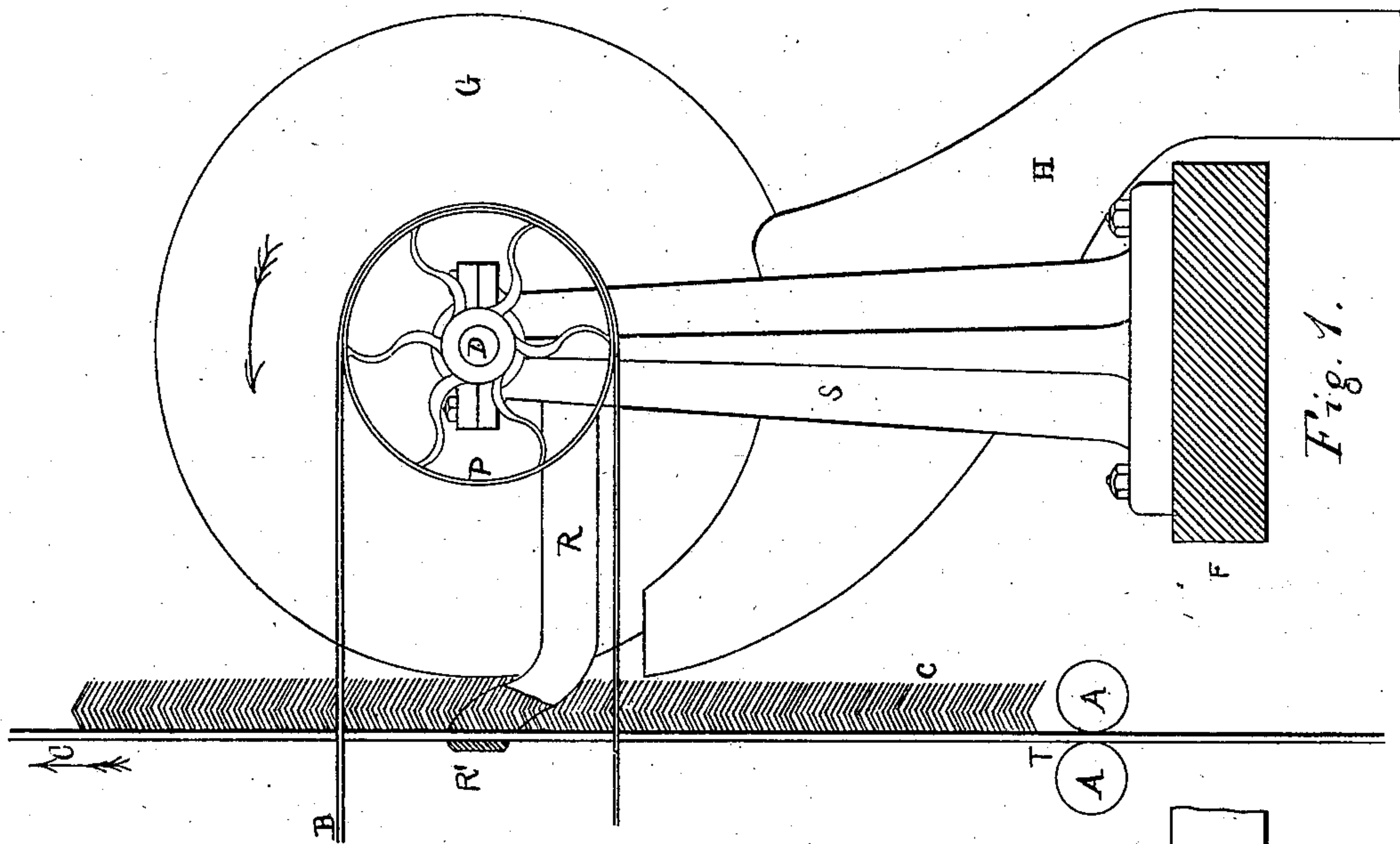


Fig. 1.

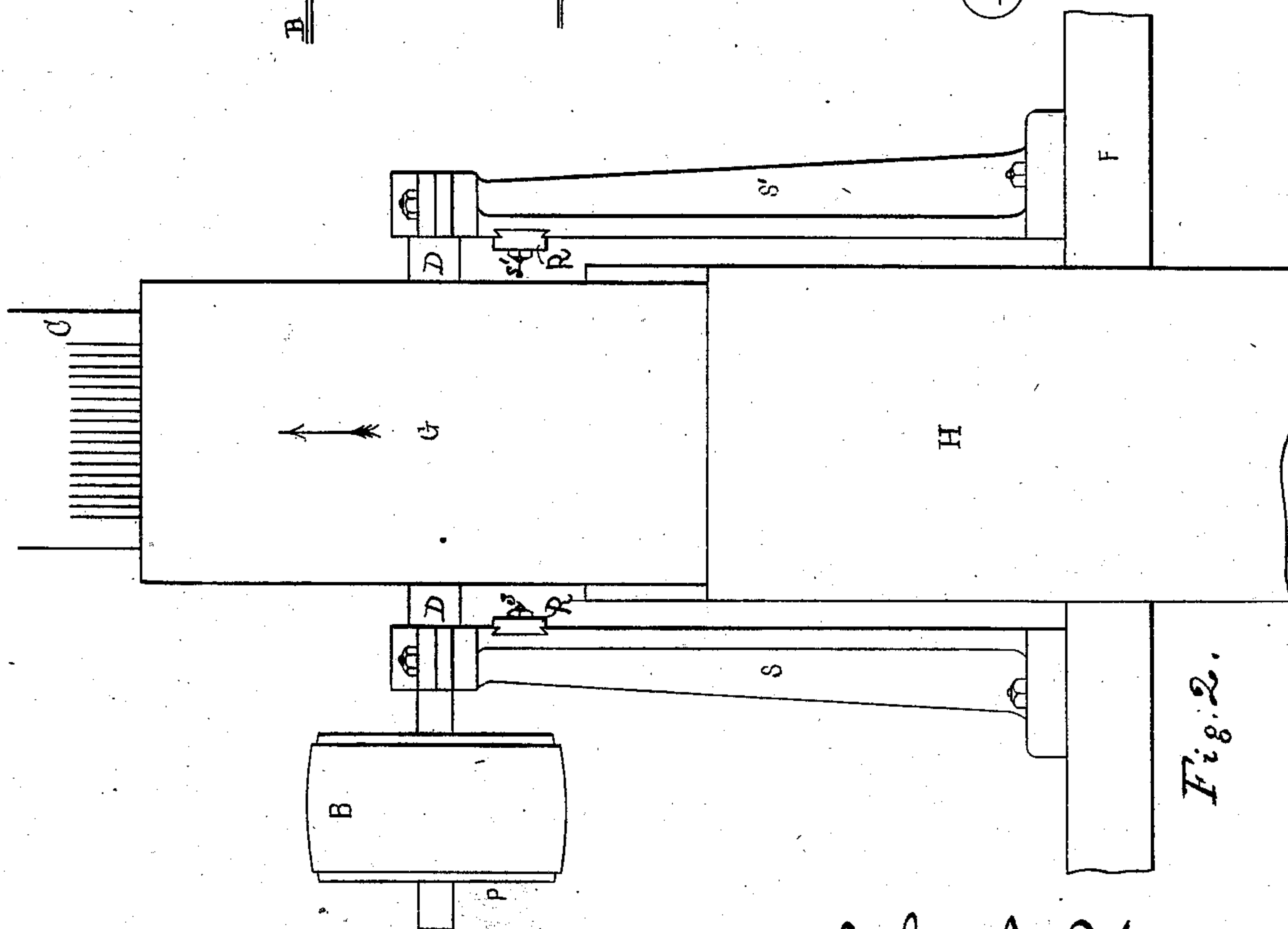


Fig. 2.

Witnesses.
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UNITED STATES PATENT OFFICE.

JOHN J. HOEY, OF LAWRENCE, MASSACHUSETTS.

CARD-GRINDING MACHINE.

SPECIFICATION forming part of Letters Patent No. 256,687, dated April 18, 1882.

Application filed December 5, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. HOEY, a citizen of the United States, residing at Lawrence, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Card-Grinding Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention has relation to that class of card-grinding machines in which the filleting passes over an adjustable guide, which holds said filleting against the grinding-wheel, and is intended as an improvement on my Patent
15 No. 246,507, whereby the tension-rollers in said machine are utilized and the card-teeth are ground immediately after they are inserted; and to that end the novelty consists in the construction of the same, as will be hereinafter
20 more fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, similar letters of reference indicate like parts of the invention.

25 Figure 1 is a side elevation of my improved grinding attachment, and Fig. 2 is a front view of the same.

30 F represents a convenient part of the card-setting machine, and A A the friction or tension rollers, between which the filleting O is drawn. As soon as the filleting passes between the rollers A A the teeth *c* are inserted by suitable mechanism. (Not shown in the drawings.)

35 S S' are standards attached to the frame F, and in their upper ends is journaled a shaft, D, provided with a grinding-wheel, G, and a pulley, P, said wheel and pulley being operated by the belt B, which is connected to and is driven by a pulley on the card-setting machine. (Not shown.)
40 R is a U-shaped yoke or guide, its ends be-

ing adjustably connected to the standards S S' by the bolts *s s'*. This guide R is provided with a flat back, R', which bears against the back of the filleting where it comes in contact
45 with the grinding-wheel, and thus insures a uniformity of length in the teeth on the card.

H is a spout, which carries away the dust and dirt of the wheel G.

The guide R is adjustable, its parallel arms
50 being dovetailed, as shown in Fig. 2, and by means of the bolts *s s'* it may be adjusted with reference to the grinding-wheel G, whereby the teeth on the card may be ground to any
55 desired length.

The movements of the card and grinding-wheel are indicated by the arrows.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States,
60 is—

1. In a card-grinding machine, the standards S S', adjustable guide R, and grinding-wheel G, substantially as and for the purpose
65 set forth.

2. In a card-grinding machine, the standards S S', shaft D, pulley P, and grinding-wheel G, provided with the spout H, in combination with the adjustable guide R, constructed and arranged substantially as and for
70 the purpose set forth.

3. The combination, with the tension-rollers of a card-setting machine, of the standards S S', adjustable guide R, and grinding-wheel G, substantially as and for the purpose set forth.
75

In testimony whereof I affix my signature in presence of two witnesses.

JOHN J. HOEY.

Witnesses:

JAMES MURPHY,
PATT SWENEY.