

R. A. BRIGHT, Jr.  
Cigar-Machine.

No. 202,628.

Patented April 23, 1878.

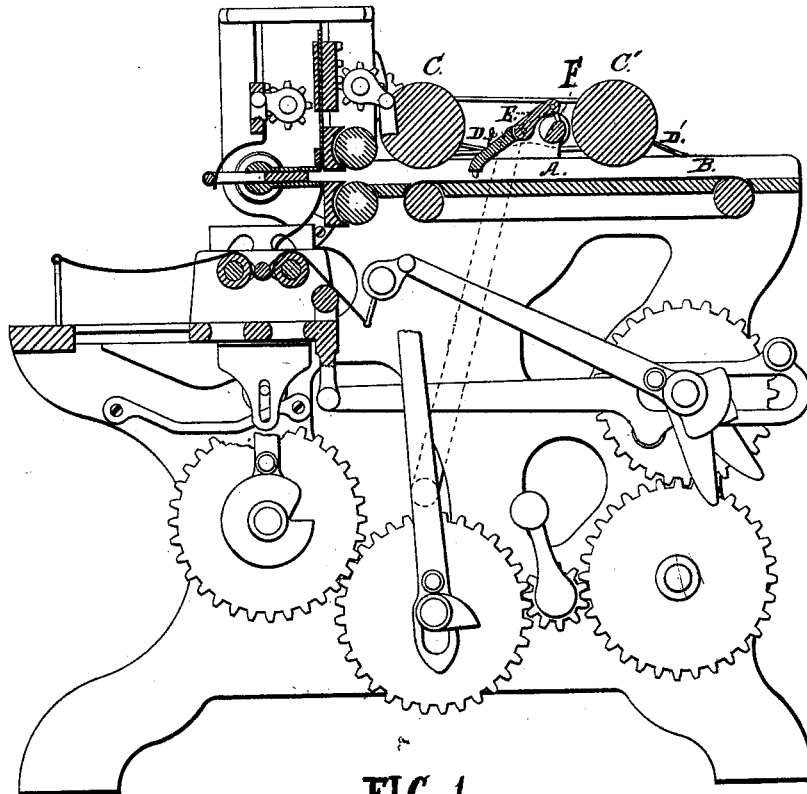


FIG. 1.

WITNESSES.

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# UNITED STATES PATENT OFFICE.

RICHARD A. BRIGHT, JR., OF PROVIDENCE, RHODE ISLAND.

## IMPROVEMENT IN CIGAR-MACHINES.

Specification forming part of Letters Patent No. 202,628, dated April 23, 1878; application filed February 26, 1878.

*To all whom it may concern:*

Be it known that I, RICHARD A. BRIGHT, Jr., of Providence, in the State of Rhode Island, have made certain new and useful Improvements in Cigar-Machines; and I do hereby declare that the following specification is a full and particular description thereof, reference being had to the accompanying drawing, and to the letters marked thereon.

Said drawing represents a side elevation of my improved machine.

This invention relates to machines for manufacturing cigars; and it consists in the employment (for feeding stock to such machines) of an inclined feeding-slide, in combination with an endless stock-carrying belt, said slide being suitably guided and operated through a doubly-hinged connecting rod or arm by a cam or small crank on a rotating shaft, all of said parts being constructed, combined, arranged, and operated substantially as herein-after set forth and claimed.

In the annexed drawings, A designates the endless belt (passing over rollers) which conveys stock to the machine. Said belt moves between two raised longitudinal guides, one of which (marked B) is shown in the drawing.

C designates a roller, which operates to transfer the stock from belt A to the machine proper, and which is held down toward said belt by the yielding pressure of two springs, one of which (marked D) is shown in the drawing; but said roller is otherwise free to rise in its slotted bearings. When coarse par-

ticles of stock come into contact with said roller, the above-described arrangement allows said roller to be lifted by said particles until the latter pass, thus preventing the machine from being clogged.

The above parts are not new, and I therefore make no claim to them; but my invention lies in feeding devices, consisting of a broad feeding-slide, *e*, which is actuated through double-hinged connecting arm or pitman E by a crank or eccentric carried by rotating cross-shaft F. Slide *e* works in inclined guides, and is, preferably, provided with points, for convenience in feeding the stock forward on belt A. The rotation of said shaft F produces a reciprocatory motion of said inclined slide, so as to intermittently feed the stock, as described.

C' designates a roller similar to C, and held down by two springs, one of which (marked D') is shown in the drawing. These may be used as auxiliary feeding devices, but have no novelty.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the endless belt A with the doubly-hinged arm E, feeding-slide *e*, and suitable devices for giving reciprocating intermittent action to the same, substantially as and for the purpose set forth.

RICHD. A. BRIGHT, JR.

Witnesses:

J. T. RICH,  
WALTER B. VINCENT.