

F. E. KAISER.

MACHINE FOR TRIMMING AND MARKING CIGARS.

No. 415,643.

Patented Nov. 19, 1889.

Fig. I.

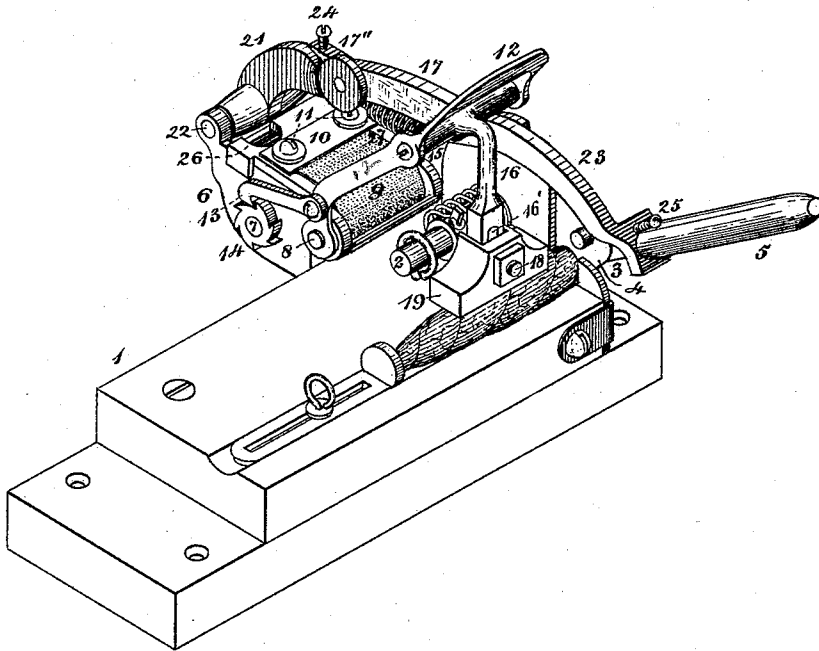


Fig. II.

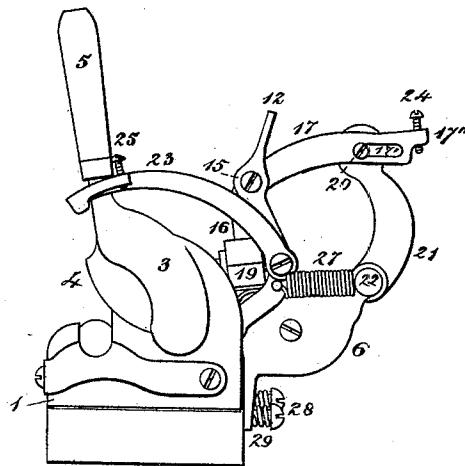
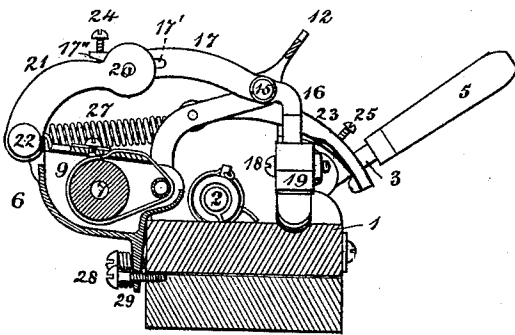


Fig. III.



Attest:
 Geo. H. Knight, Jr.
 Emma Arthur

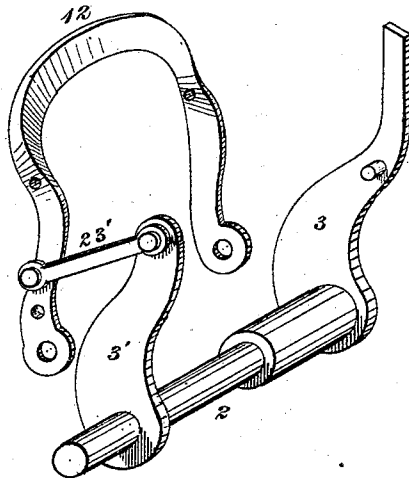
Inventor:
 Frank E. Kaiser
 By Haight Bros.
 Attyd.

(No Model.)

2 Sheets—Sheet 2.

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Fig. IV.



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Emma Arthur

Inventor:
Frank E. Kaiser
By Knight & Co.
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UNITED STATES PATENT OFFICE.

FRANK E. KAISER, OF CINCINNATI, OHIO.

MACHINE FOR TRIMMING AND MARKING CIGARS.

SPECIFICATION forming part of Letters Patent No. 415,643, dated November 19, 1889.

Application filed May 1, 1888. Serial No. 272,477. (No model.)

To all whom it may concern:

Be it known that I, FRANK E. KAISER, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Machine for Trimming and Marking Cigars, of which the following is a specification.

My invention relates to means for the simultaneous marking and trimming of cigars; and the mechanical device by which I effect the above-mentioned purpose consists of a stamping or printing mechanism which is attached to and combined with a common cigar-trimmer.

In the accompanying drawings, Figure I is a perspective view, and Fig. II is a transverse section, of my machine in its active condition. Fig. III is a side elevation of the device in its normal or inactive condition. Fig. IV represents a modification of the mechanism that transmits the motion of the cigar-trimmer to the stamping device.

1 represents the base or bed of a customary cigar-trimmer.

2 is the customary spring-retracted rock-shaft, to whose arm 3 the knife 4 is fastened. 5 is the customary handle on the free extremity of said arm.

6 is a receptacle for the metallic powder or "bronze." 7 8 are shafts journaled parallel to each other in the same, and around which is stretched an india-rubber band or apron 9.

10 is a cut-off plate, which can be brought at any desired proximity to the apron by means of fastening-screws 11.

Pivoted to receptacle 6 is a swinging yoke 12, to which is pivoted a pawl 13, that engages in a ratchet-wheel 14 upon the shaft 7. Also pivoted to the yoke 12 is a rock-shaft 15, from whose opposite sides extend arms 16 17. The slotted eye 16' at the end of arm 16 permits adjustable attachment by means of a bolt 18 of stamp 19. At the end of the other arm 17 is a slot 17', that receives a wrist 20 upon arm 21 of a rock-shaft 22, that is pivoted to the receptacle. Also pivoted to the swinging yoke 12 is a bridle 23, whose free extremity engages over or with the arm 3 of the trimmer-knife. The parts are so proportioned that in the retracted or normal condition shown in Figs. I and II the printing-face of the stamp 19 is pressed flatly down upon the bronze-covered surface of the apron 9, and so that a forward stroke of the knife

operates to lift the die squarely from the apron and to apply it squarely to the cigar, which is thereby imprinted with the desired mark by which that particular brand is known in the market. A rearward projection 17" from arm 17 has a gage-screw 24, whose point at the forward end of the stroke impinges on the arm 21. By adjustment of the gage-screw 24 there is secured a perfectly-flat presentation of the face of the stamp to the surface of the cigar. A like gage-screw 25 in the rear part of the bridle 23, being adjusted toward or from the arm 3, serves to limit the forward stroke of the stamp.

26 is the charging-orifice for the bronze.

A spring 27 operates to automatically retract the parts when left at liberty and aids in steadying their action, so as to secure a good imprint.

The receptacle 6 is fastened to the base 1 by means of screws 28 and springs 29, which, besides serving to fasten the parts, as stated, operate to cushion the forward stroke of the stamp. By screwing the said screws in or out this action may be modified at will.

An obvious modification of my device may have an additional arm 3' on the trimmer-shaft 2, which may be connected by a bridle 23' with the swinging yoke 12, which may be used either in company with or instead of the bridle 23. India-rubber cushions may be employed instead of the springs 29. The cigars when thus operated upon should (without being wet) be just sufficiently damp to retain the marking-powder.

I claim as new and of my invention—

1. The combination, with a single operative arm or lever 3 and simultaneously operated thereby, of trimming-knife 4 and imprinting-stamp 19, as and for the purposes set forth.

2. In a machine for simultaneously stamping and trimming cigars, the combination of base 1, receptacle 6, the arm or lever 3, the simultaneously-operated trimming-knife 4 and printing-stamp 19, the fastening-screws 28, and the springs or cushions 29.

In testimony of which invention I hereunto set my hand.

FRANK E. KAISER.

Attest:

GEO. H. KNIGHT,
FRANK PHILLIPS.