

(No Model.)

F. YOUNG & W. RAUK.
EMBOSSING MACHINE.

No. 569,145.

Patented Oct. 6, 1896.

Fig. 1.

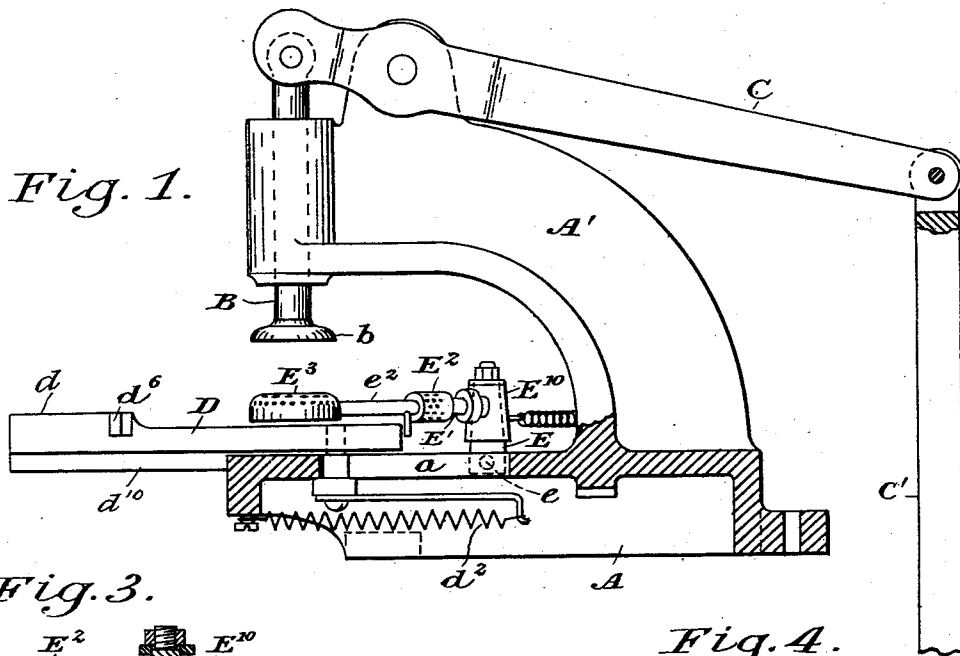


Fig. 3.

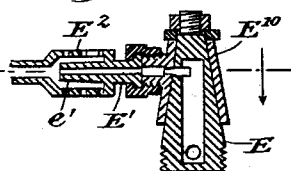


Fig. 4.

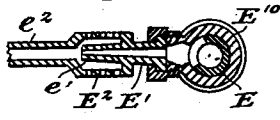
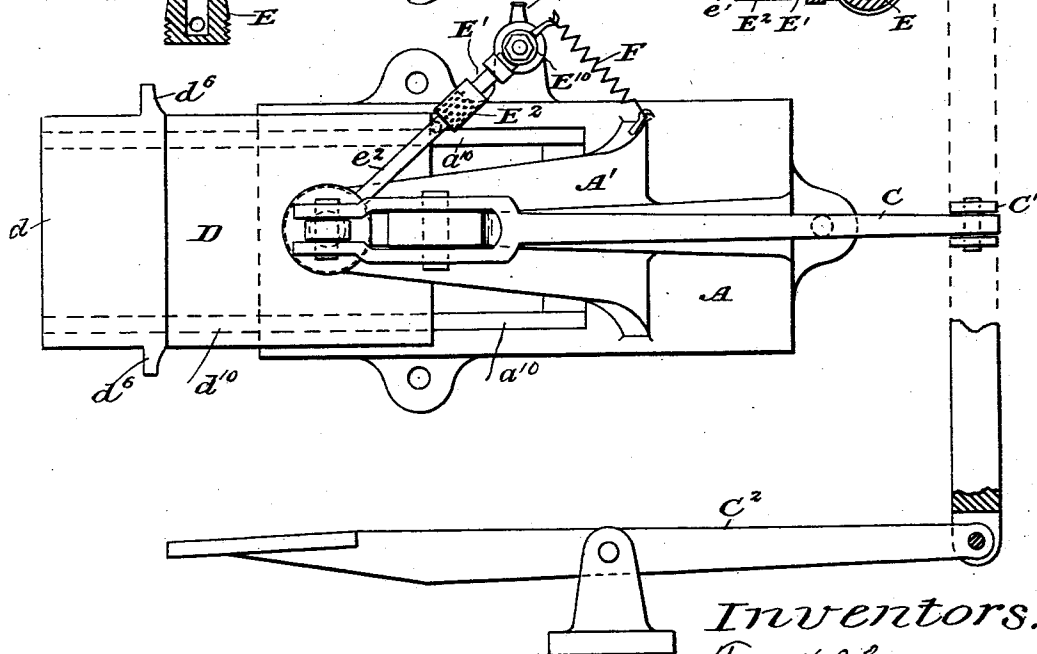


Fig. 2.



Witnesses:

L. B. Bolton
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By

Inventors.

Frank Young
William Rauk
J. O. Farley, Jr.
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UNITED STATES PATENT OFFICE.

FRANK YOUNG AND WILLIAM RAUK, OF NEW YORK, N. Y., ASSIGNORS TO
KAHN & LEVY, OF SAME PLACE.

EMBOSSING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 569,145, dated October 6, 1896.

Application filed April 15, 1896. Serial No. 587,741. (No model.)

To all whom it may concern:

Be it known that we, FRANK YOUNG and WILLIAM RAUK, citizens of the United States, and residents of New York, county of New York, and State of New York, have invented a certain new and useful Embossing-Machine, of which the following is a specification.

Our invention relates to embossing-machines, and has for its object the provision of an organization simple in construction, inexpensive in manufacture, and efficient and rapid in practical use.

To attain the desired end, our invention consists in the construction, arrangement, and operation of parts herein set forth.

In the drawings which accompany and form part of this specification, Figure 1 represents a side elevation of our machine, partly in section. Fig. 2 is a plan view of the same, and Figs. 3 and 4 are views of our gas-cock in detail.

Like letters of reference indicate like parts in the views.

Referring particularly to the drawings, A denotes the bed-plate, and A' an elevated arm of the frame of our machine. In the end of the arm A' works a vertical plunger B, to the free end of which is secured any suitable die or impression device *b*, the other end being attached in a movable relation to the lever C, fulcrumed on the arm A' and connected by rod C' with the treadle C². The bed-plate A is provided with slots *a*, in which works a pin secured to the reciprocating carriage or plate D, which terminates in a raised surface or platen *d*, upon which the article to be embossed is placed. The carriage D is provided with slides *d*¹⁰, which work in corresponding guide-grooves *a*¹⁰ of the bed-plate A. The carriage D is normally held in an outward position by means of spring *d*², the ends of which are respectively secured to the carriage D and bed-plate A. To the bed-plate is secured a gas-cock E, which may be supplied with gas through a pipe *e*, communicating with the same. A pipe E', attached to the rotary sleeve E¹⁰ of the gas-cock E, terminates in a nozzle *e*', located within a perforated chamber E², whereby air is allowed to enter and become mixed with the gas. To the chamber E² is fastened a pipe *e*², which terminates in a burner

E³, consisting of a distributing-chamber provided with holes.

The gas-cock E is so arranged that when the burner E³ is in the position shown in the drawings the gas will be turned on to its full capacity, but when the same is moved away from beneath the plunger B the supply of gas will be partially or almost entirely checked.

A spring F is respectively attached to an arm projecting from the sleeve E¹⁰ of the gas-cock and to the bed-plate A and serves to hold the burner E³ beneath the plunger B when the carriage D is in an outward position, and upon the said carriage being manually pushed inwardly it engages the pin *e*¹² of the pipe *e*² and rapidly throws it out of the way of the approaching carriage on account of the short leverage used.

The carriage D is provided with side lugs *d*⁵, which may, if desired, be directly engaged by an article, as a hat, the lining of which is desired to be stamped or embossed.

On account of the carriage D being returned to its outward or normal position by its spring much time is saved and more rapid work can be accomplished, as during that time another article can be picked up and got ready to be placed on said carriage.

Having thus described our invention, what we claim is—

1. The combination, with a vertical plunger and operating-lever, of an independent pivoted spring-controlled gas-burner normally stationed under the same, and of a reciprocating carriage constructed and arranged to be manually pushed inward and normally thrown out by a spring, and provided with means to engage the said gas-burner, whereby the spring-controlled gas-burner may be pushed to one side of the plunger-support, when the carriage is in an inward position.

2. The combination, with a vertical plunger and operating-lever, of a spring-controlled gas-burner normally located under the same and provided with an automatic gas-cock controlled by the movement of the burner, and of a reciprocating carriage constructed and arranged to be manually pushed inward and normally thrown out by a spring, whereby the spring-controlled gas-burner may be pushed

one side and the supply of gas checked when the said carriage is in an inward position.

3. The combination, with a vertical plunger and operating-lever, of an independent piv-
5 oted spring-controlled gas-burner normally stationed under the same, and of a reciprocating carriage provided with a platen constructed and arranged to be manually pushed
10 inward and normally thrown out by a spring, and provided with means to engage the said gas-burner, whereby the spring-controlled gas-burner may be pushed to one side of the plunger, and whereby the carriage-platen and

the gas-burner may alternately be brought under the die.

15 In testimony of the foregoing specification we do hereby sign the same, in the city of New York, county of New York, and State of New York, this 4th day of March, A. D. 1896.

FRANK YOUNG.
WILLIAM RAUK.

Witnesses:

J. ODELL FOWLER, Jr.,
CHARLES CROOK.

It is hereby certified that the name of the second-mentioned patentee in Letters Patent No. 569,145, granted October 6, 1896, for an improvement in "Embossing Machines," was erroneously written and printed "William Rauk," whereas said name should have been written and printed *William Rank*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 13th day of October, A. D., 1896.

[SEAL.]

JNO. M. REYNOLDS,
Assistant Secretary of the Interior.

Countersigned:

JOHN S. SEYMOUR,
Commissioner of Patents.