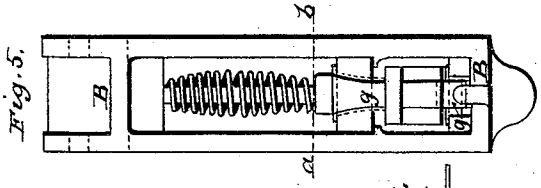
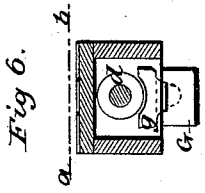
(No Model.)

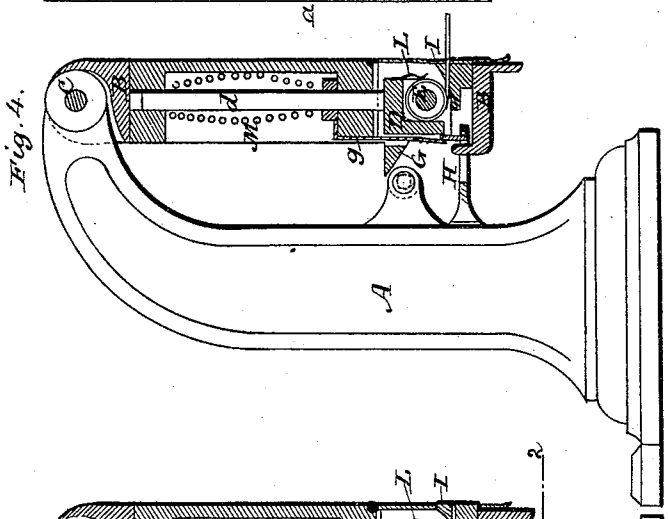
A. LUCCHESINI.

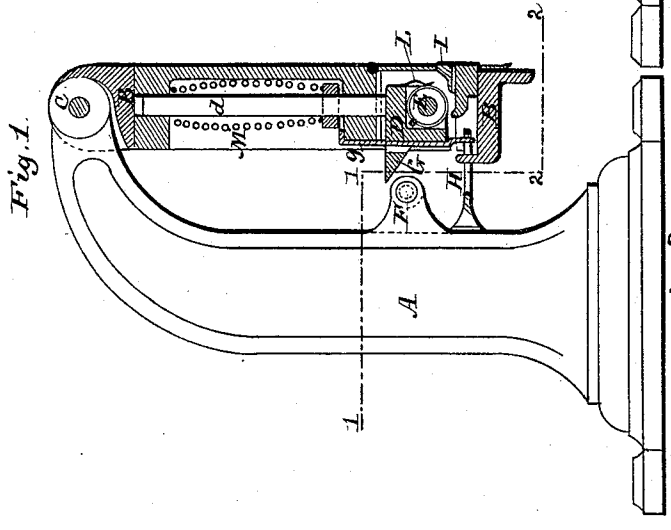
DATE STAMPING MACHINE.

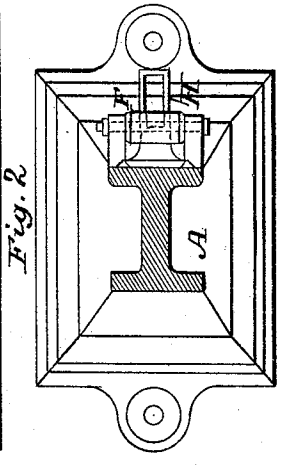
No. 495,187. Patented Apr. 11, 1893.

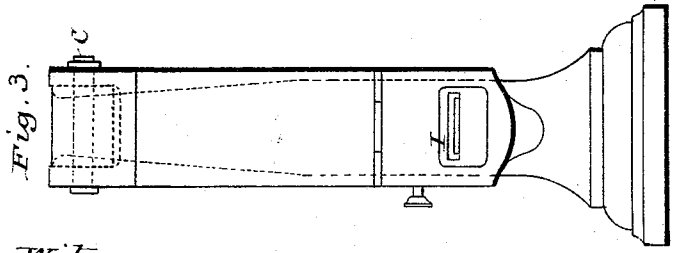












Witnesses:
W. C. Pinckney
W. A. Cunningham.

Inventor:
Alessandro Lucchesini
By Bowen & Behrens
attorneys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ALESSANDRO LUCCHESINI, OF FLORENCE, ITALY.

DATE-STAMPING MACHINE.

SPECIFICATION forming part of Letters Patent No. 495,187, dated April 11, 1893.

Application filed May 26, 1892. Serial No. 434,432. (No model.) Patented in Switzerland October 6, 1891, No. 4,100; in Italy October 12, 1891, No. 30,378; in Belgium October 15, 1891, No. 96,634; in Spain November 6, 1891, No. 12,589; in France November 13, 1891, No. 215,055; in Austria-Hungary February 12, 1892, No. 44,722, and in England March 7, 1892, No. 4,473.

To all whom it may concern:

Be it known that I, ALESSANDRO LUCCHESINI, civil engineer, a subject of the King of Italy, and a resident of Florence, (Via Geramontino, No. 5,) Italy, have invented certain new and useful Improvements in Date-Stamping Machines, (for which I have received patents in the following countries: Italy, dated October 12, 1891, No. 30,378; Switzerland, dated October 6, 1891, No. 4,100; Belgium, dated October 15, 1891, No. 96,634; Spain, dated November 6, 1891, No. 12,589; France, dated November 13, 1891, No. 215,055; Austria-Hungary, dated February 12, 1892, No. 44,722; and Great Britain, dated March 7, 1892, No. 4,473,) of which the following is a specification.

The new ticket date punching machine is of a strong construction, very simple, and realizes a very good, clear and indelible impression of the date on the tickets, and this quite independently of the will of the person who has to use it.

This machine is represented in the annexed drawings.

Figure 1 is a lateral elevation where the contrivance affording the stamp of the date is supposed to be in a cross section. Fig. 2 is a horizontal section through the line 1—2 but the contrivances of stamping are there removed. Fig. 3 is a front elevation. Fig. 4 is a side elevation showing the ticket inserted, the spring *g*, having released the box D. Fig. 5 is a rear view of the case B. Fig. 6 is a sectional view of case B, through the line *a b* Fig. 5, showing the manner of fastening the spring to the frame.

This machine is made up by a stand A of convenient form and dimension, on which a case B containing the punching system is suspended, and can move round an axis C; and to the same a roller F of steel, and one horizontal stirrup H are mounted. In the case B is a steel bar *d* which under the action of a double conic spring M, may take a reciprocating motion into two vertical holes of the case. The spring is secured between a fixed face in the upper side and a ring fixed by a pin to the steel bar in the lower. To this bar is fastened at the lower end, the box D with an inclined plane G; which box contains a certain number of engraved toothed wheels carrying the digits necessary to form the different dates. In the grooves of the teeth digits are also engraved, so that the number read over there corresponds to that to be stamped. These wheels may turn round an axis and may become fixed by a small bar L to the box D in a proper position.

The number of engraved wheels may change according to the indication required on the ticket. They may be six if the date to be punched is to represent the progressive number of the day, month and year, for example, 12. 10. 92 for 12th October, 1892, or four if they are to indicate only the progressive number of the day and the year, like 286. 2.

The box D and of course all the system for stamping, is kept in a certain position by a notch of a solid spring *g* fixed by dove-tail on the case B. The end of this spring *g* gets into the stirrup H.

How to use it.—The ticket must be introduced into the mouth I. The case B is pulled till the spring *g* meeting with the stirrup H, lets the box D free, which box under the action of the double conic spring M, punches the date on the ticket. Pushing the case B against the stand A, the inclined plane G runs over the roller F, the box D gets again its former position, is retained there by the notch of the spring *g*, and the spring M is again tightened up, and so on for every ticket. The pulling and pushing of the case B, though constituting two different motions in different direction, must be considered as forming only one motion like the one made by coachmen, when they crack their whip by a quick double motion forward and backward of the arm. In order to obtain this motion easily, the ticket must be taken between the thumb and the forefinger, while the middle finger is passed behind the handle K of the case B.

The advantages of the machine are its being very simple and not so liable to get out of repair, and also its allowing a constant and deep impression independently of the will of the person who has to use it.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination with a standard and a pivoted arm, of a spring-pressed plunger provided with a printing head, holding means for retaining said plunger in an inoperative position, releasing means for releasing said plunger to effect the printing, and resetting means for restoring the plunger to its original inoperative position, substantially as described.

2. The combination with a standard provided with a plunger elevating roller, and plunger releasing means, of a pivoted arm carrying a spring-pressed plunger provided with a printing head, a spring catch for holding said plunger arranged to cooperate with the plunger releasing means, and an inclined projection cooperating with the plunger elevating roller, substantially as described.

3. In a ticket printing machine the combination with a pivoted swinging arm provided with a spring-pressed plunger carrying a printing head, of holding means for retaining said plunger in its elevated or inoperative position and releasing means for releasing said plunger to effect the printing, substantially as described.

4. In a ticket printing machine, the combination with a pivoted swinging arm provided with a platen, a ticket slot and a handle, of a spring-pressed plunger carrying a printing head, holding means for retaining said plunger in its inoperative position, and releasing means for releasing said plunger to effect the printing, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 22d day of April, 1892.

ALESSANDRO LUCCHESINI.

Witnesses:
JAMES VERNER LONG,
SPIRITO BERNARDI.