H. LASKO.

STAMPING MACHINE.

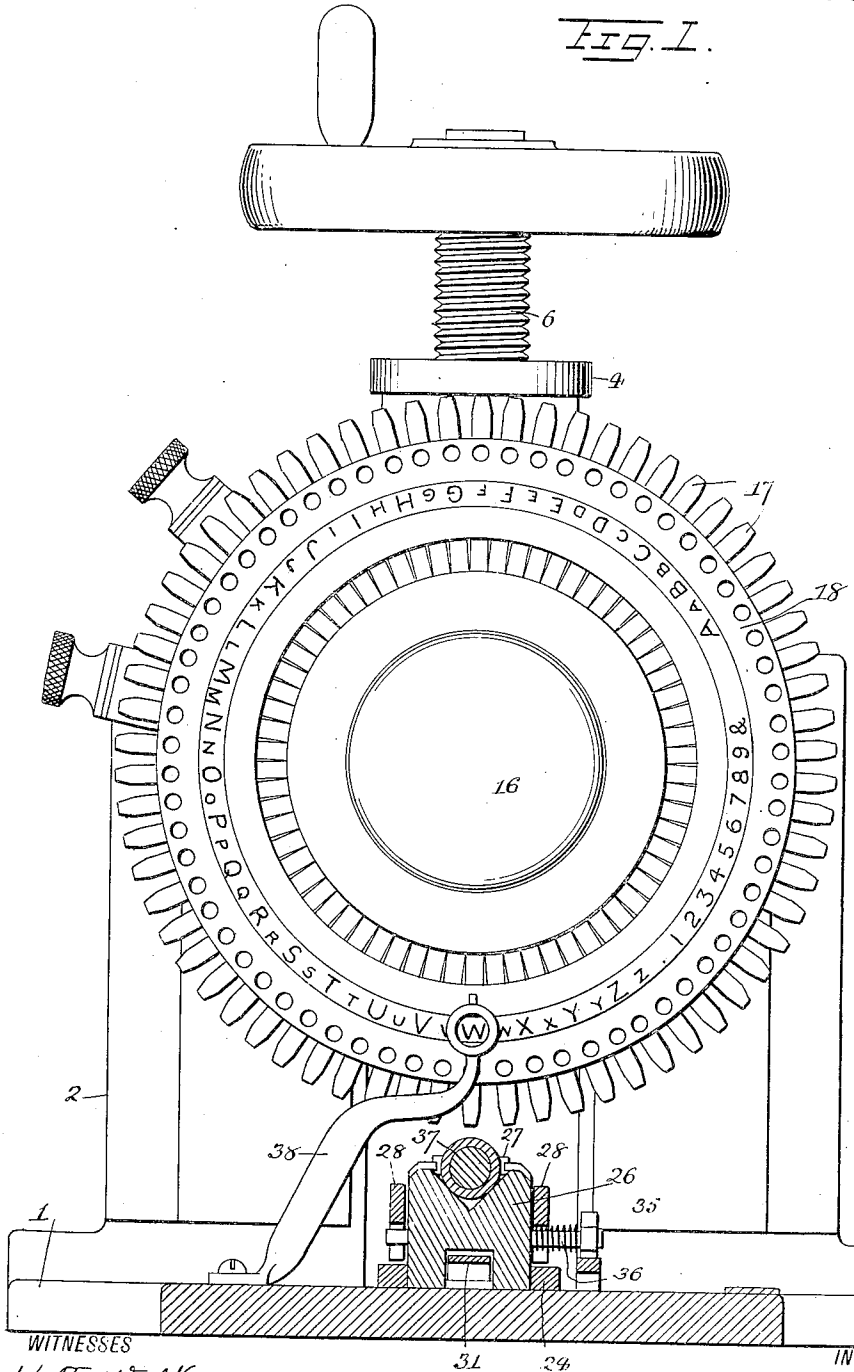
APPLICATION FILED AUG. 8, 1919.

1,354,408.

Patented Sept. 28, 1920.

3 SHEETS—SHEET 1.

Fig. 1.



WITNESSES

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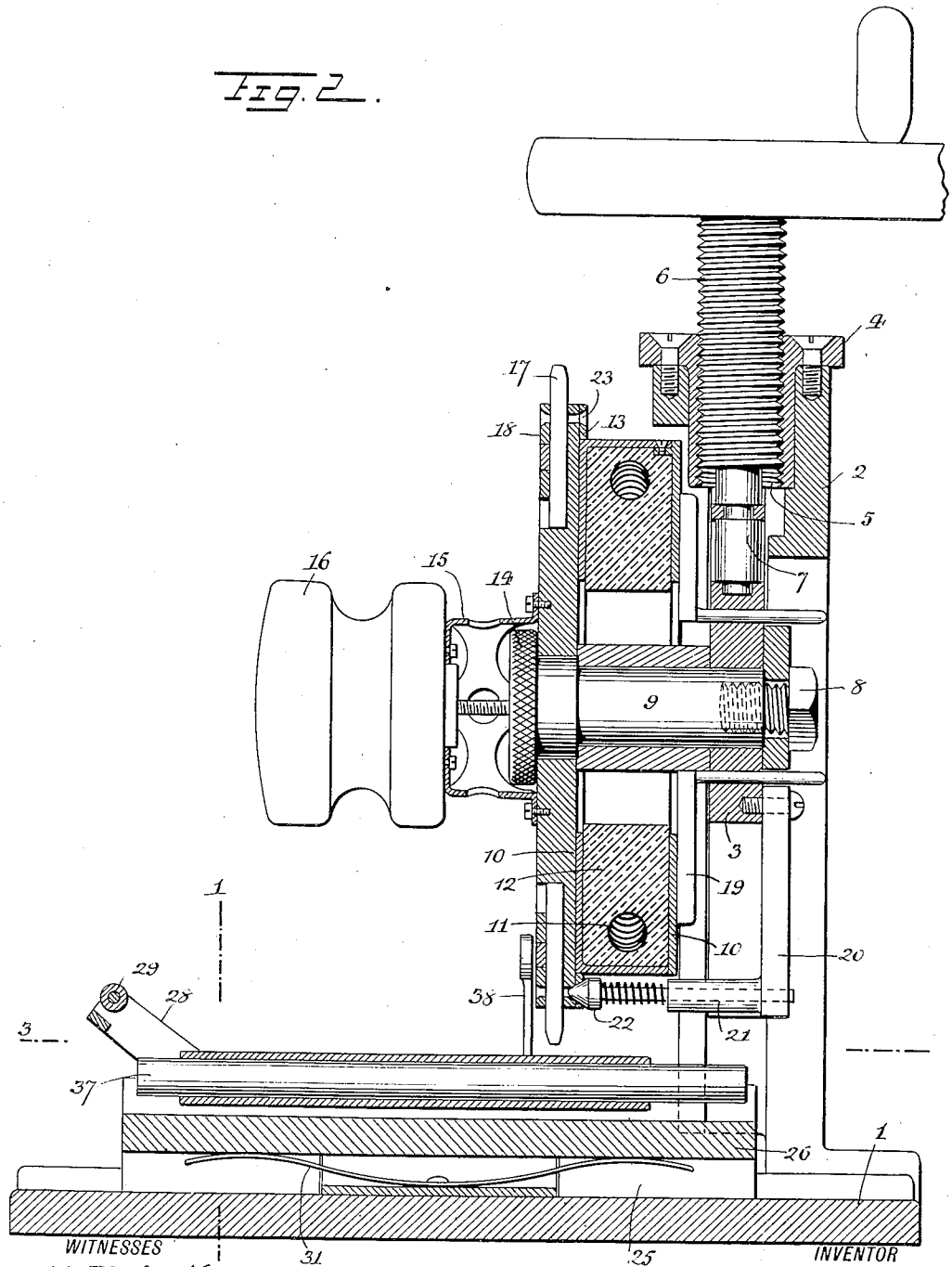
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3 SHEETS—SHEET 2.

Fig. 2.



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3 SHEETS—SHEET 3.

Fig. 3.

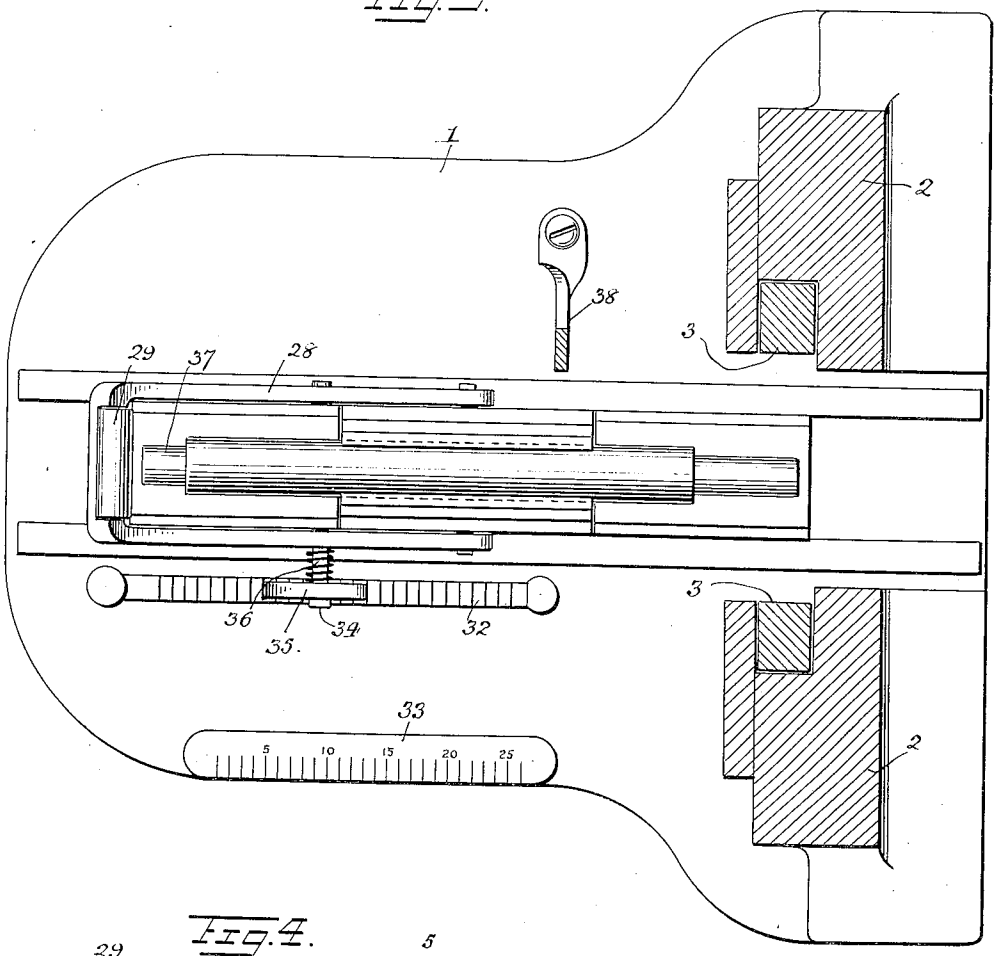


Fig. 4.

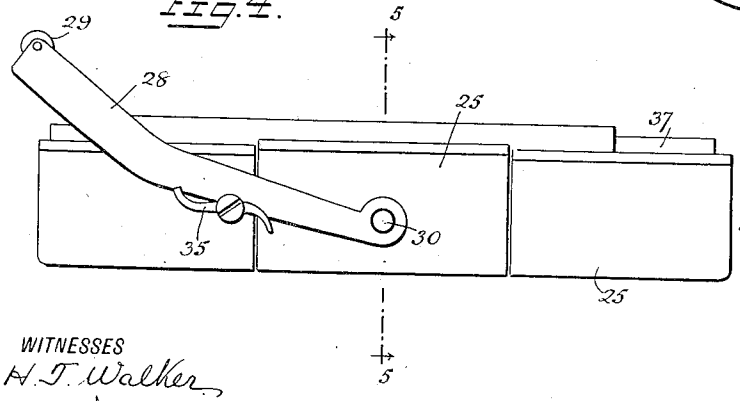
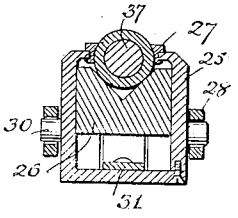


Fig. 5.



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UNITED STATES PATENT OFFICE.

HENRY LASKO, OF NEW YORK, N. Y.

STAMPING-MACHINE.

1,354,408. Specification of Letters Patent. **Patented Sept. 28, 1920.**

Application filed August 8, 1919. Serial No. 316,167.

To all whom it may concern:

Be it known that I, HENRY LASKO, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Stamping-Machine, of which the following is a full, clear, and exact description.

This invention relates to a stamping machine, and aims to provide a device by means of which articles such as fountain pens may have imprinted on their outer surface the name of the purchaser or any other subject matter desired.

A further object of the invention is the provision of a machine which is not limited alone to stamping upon fountain pens but which would be universal in its adaptation and by means of which objects, such as fountain pens, or pencils, of any size may readily be accommodated.

A still further object of the invention is the construction of a stamping machine which will quickly be ready for operation when it is desired to use the same and by means of which a firm and neat imprint may be produced upon the outer surface of the object to be imprinted.

Reference is had to the accompanying drawings which illustrate one practical embodiment of my invention, and in which—

Figure 1 is a front view partly in section taken along the line 1—1 of Fig. 2;

Fig. 2 is a sectional side view through the machine;

Fig. 3 is a sectional plan view taken along line 3—3 of Fig. 2;

Fig. 4 is a side view illustrating the carriage adapted to receive the object to be stamped; and

Fig. 5 is a sectional view taken along line 5—5 of Fig. 4.

In these various views like reference characters designate similar parts, and the reference numeral 1 indicates a base upon which is mounted a pair of standards 2 provided with a groove along their longitudinal inner edges in which is slidably mounted a block 3. Extending between the upper ends of the standards 2 there is provided a fixed crosspiece 4 formed with a screw-threaded opening 5.

A screw-threaded rod 6 projects through the opening formed in the crosspiece 4 and engages the screw threads formed therein. The lower end of the rod 6 is conveniently formed in such a manner as to provide a suitable rotatable connection between it and the block 3, such as, for instance, a reduced portion 7, which is engaged by a certain portion of the block.

Rotatably secured to the block 3 by any convenient means, such as a bolt 8, is a stem 9 which projects through a pair of spaced disks 10 housing an electrical resistance element 11 and heat-retaining material 12 of any suitable construction. A circular plate 13 bears against the outermost of the disks 10 and is firmly retained in this position by means of a head 14 bearing against its outer face, which head 14 is secured to the outer end of the stem 9.

Conveniently extending around the head 14 is a non-heat conducting cage 15, to the outer face of which there is secured a hand knob 16.

Housed within the plate 13 are a suitable number of dies 17 which project radially to a certain extent beyond the edge of the plate 13 and are held in position by any suitable means, such as, for instance, rings 18.

Bearing members 19 may be provided for absorbing the greater amount of strain imparted to the outer portions of the apparatus, and an arm 20 extends downwardly from the block 3 and terminates in a right-angled extension 21 with which there is slidably associated a spring detent 22 suitably engaging openings 23 formed in the inner face of the plate 13 and adjacent its edge.

Track members 24 are mounted upon the base 1 and extend inwardly between the standards 2, which serve as a slidable mounting for a carriage, including two end portions comprising side walls 25 and a base 26 supported therebetween.

The central portion of the carriage includes, as indicated in Fig. 5, side walls 25 having their upper ends bent inwardly, as indicated by the reference numeral 27, so as to overlap a certain portion of the base 26, the lower ends of such side walls being joined together, as clearly shown in this figure. A rocker member, including arms 28 and a joining handle 29, is pivotally secured to the side walls of the central portion of the carriage, as indicated by the reference numeral 30; and a spring 31 is interposed between the base joining the two side walls of the central portion of the carriage and the underside of the base 26.

Conveniently mounted to one side of the

tracks 24 is a division plate 32 corresponding to the scale 33, provided for a purpose hereinafter more fully specified. The carriage has associated with it a pin 34 extending outwardly over the division plate 32, and mounted upon such pin is an indicator arm 35 having its lower end normally brought into engagement with the upper surface of the division plate 32 by means of a spring 36.

It will now be seen in operation that if it is desired to imprint upon the outer surface of an object, such as a fountain pen, any desired characters, this may readily be accomplished by primarily inserting into the body of the fountain pen a core 37 so as to provide a rigid backing for the body of the pen. The handle 29 of the carriage is now depressed so as to swing upwardly the central portion of the same and permit the positioning of the pen upon the base 26, subsequent to which the handle 29 may be released, resulting in the pen being firmly held against movement by virtue of the overlapping 27 of the side walls 25 of the central portion of the carriage.

Current is now supplied to the resistance element 11, which results in a heating of such resistance element and the heat-retaining material 12, and the transmission of such heat to the plate 13 and its associated die 17.

The pen, prior to its insertion into the carriage, is preferably alined with the scale 33, and the number of characters to be imprinted upon the same are marked off by means of chalk, or any suitable substance, upon the body of the pen so that the characters will appear in proper alinement and spacing when the carriage is moved accordingly by means of the indicator 35 which bears against the division plate 32, designating the corresponding divisions to those derived from the scale 33.

The dies having been sufficiently heated, the carriage is moved forwardly so that it assumes a position between the standards 2 and in accordance with the scale upon the division plate 32. By rotation of the screw-threaded rod 6, by means of its associated handle, the block 3 is now moved downwardly, and by virtue of their mounting the heated dies are brought to bear with a proper amount of pressure upon the upper surface of the utensil to be marked; subsequently the direction of rotation of the screw-threaded rod 6 is reversed so as to raise such dies out of contact with the surface of the device to be marked.

As clearly shown in Fig. 1, by means of the indicator 38 and the ring 18 upon the plate 13, upon which ring characters corresponding to the characters imprinted by the dies appear, it will now be possible to aline the proper die with the upper surface of the object upon which an imprint is to be made.

It will be noted in this connection that the plate 13 is rotated by means of the knob 16, and that such plate is held from rotation by means of the detent 22, which offers sufficient resistance to any rotational motion to prevent any accidental movement of the plate 13, but which resistance may readily be overcome upon an extraneous force being exerted upon the knob 16.

Obviously, any number of modifications may well be resorted to without departing from the scope of my invention.

Having thus described my invention, I desire to claim:

1. A stamping machine, including a base, a pair of standards upon such base, dies associated with such standards and movable with respect thereto, means for heating such dies, a carriage adapted to receive the device upon which the imprint is to be made, such carriage comprising side walls, a base between such side walls, and means associated with such carriage for retaining the device upon which an imprint is to be made upon such base.

2. A stamping machine, including a base, a pair of standards upon such base, dies associated with such standards and movable with respect thereto, a carriage adapted to receive the device upon which the imprint is to be made, such carriage comprising side walls, and a base between such side walls, the side walls of such carriage being cut so as to provide a central portion for such carriage movable with respect to the remainder of such carriage, the upper ends of said side walls of the central portion overlapping the base whereby to bear against and retain upon such base the object upon which an imprint is to be made.

3. A stamping machine, including a base, a pair of standards upon such base, dies associated with such standards and movable with respect thereto, a carriage adapted to receive the device upon which the imprint is to be made, such carriage comprising side walls, a base between such side walls, the side walls of such carriage being cut so as to provide a central portion for said carriage movable with respect to the remainder of such carriage, the upper ends of such side walls of the central portion overlapping the base whereby to bear against and retain upon such base the object upon which an imprint is to be made, and a spring adapted to normally force the overlapping portions of such side walls downwardly toward the upper surface of the base.

4. A stamping machine, including a base, a pair of standards upon such base, dies associated with such standards and movable with respect thereto, a carriage adapted to receive the device upon which the imprint is to be made, such carriage comprising side walls, a base between such side walls, the

side walls of such carriage being cut so as to provide a central portion for said carriage movable with respect to the remainder of such carriage, the upper ends of such side walls of the central portion overlapping the base whereby to bear against and retain upon such base the object upon which an imprint is to be made, a spring adapted to normally force the overlapping portions of such side walls downwardly toward the upper surface of the base, and means engaging such central side wall portions whereby the same may be moved upwardly.

5. A stamping machine, including a base, a pair of standards upon such base, dies associated with such standards and movable with respect thereto, a carriage adapted to receive the device upon which the imprint is to be made, such carriage comprising side walls, a base between such side walls, the side walls of such carriage being cut so as to provide a central portion for said carriage movable with respect to the remainder of such carriage, the upper ends of such side walls of the central portion overlapping the base whereby to bear against and retain upon such base the object upon which an imprint is to be made, a spring adapted to normally force the overlapping portions of such side walls downwardly toward the upper surface of the base, a pair of rocker arms adapted to engage the side walls of said central portion, and a handle associated with said rocker arms whereby such central portion may be moved upwardly from the base.

6. A stamping machine, including a base, a pair of standards upon such base, a block positioned between such standards and movable with respect thereto, heating means associated with such block, a plate mounted upon such heating means, such heating means and plate being movable with respect to said block, and dies associated with such plate.

7. A stamping machine, including a base, a pair of standards mounted upon such base, a block positioned between such standards and movable with respect thereto, a crosspiece between the upper end of such standards, such crosspiece being formed with a screw-threaded opening, a screw-threaded rod mounted within such opening, the lower end of such rod being secured to such block, heating means mounted upon such block and rotatable with respect thereto, a plate associated with such heating means, and dies mounted upon such plate.

HENRY LASKO.