

No. 732,551.

PATENTED JUNE 30, 1903.

C. HANSEN.
HAND STAMP.

APPLICATION FILED SEPT. 2, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

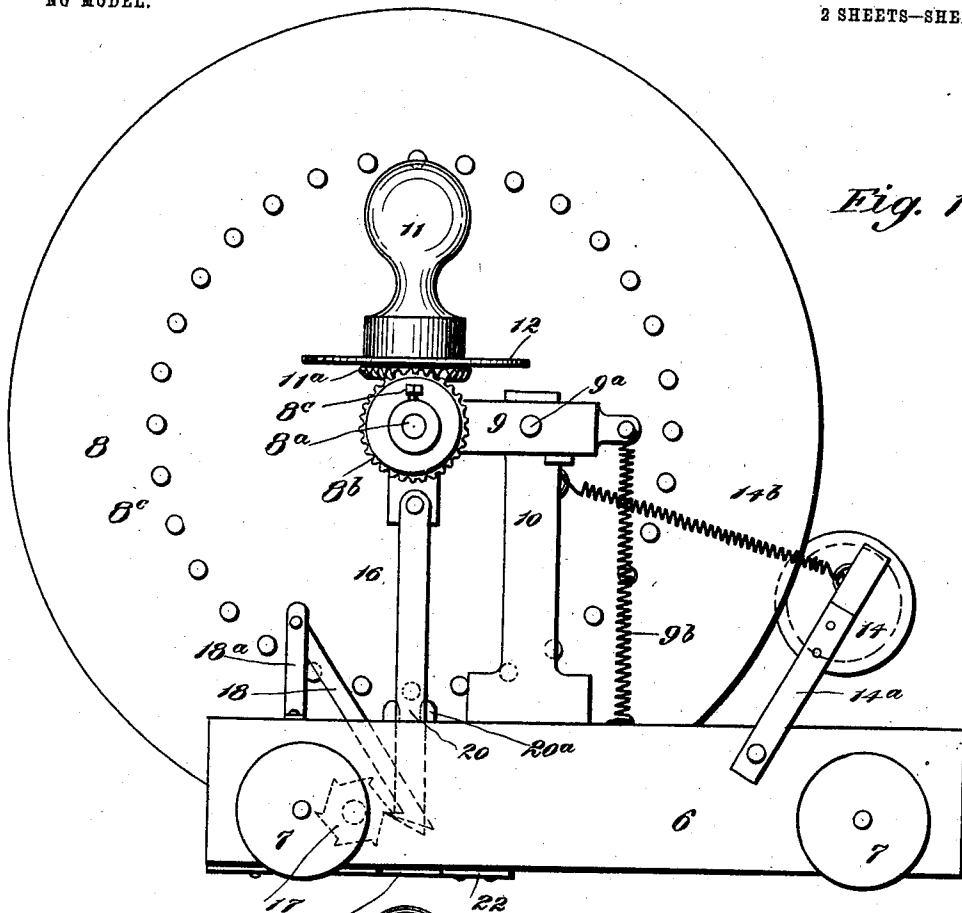


Fig. 1.

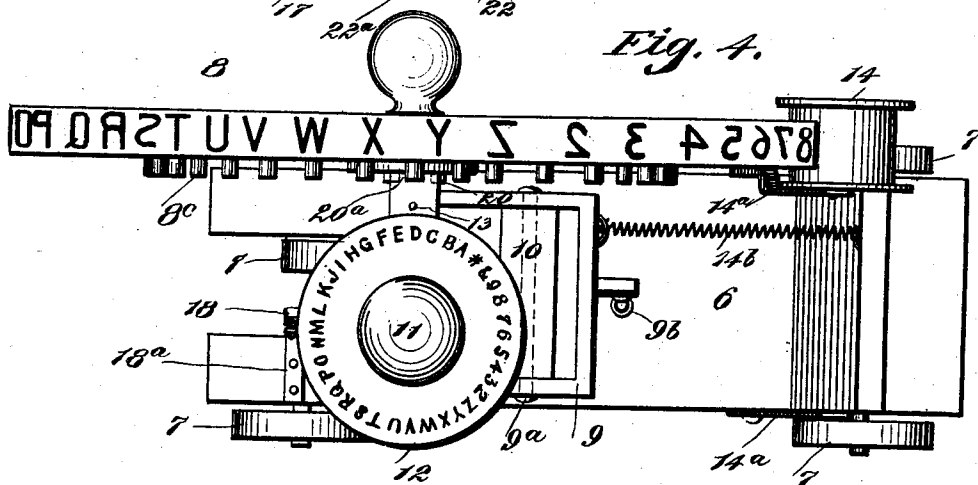


Fig. 4.

Witnesses

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Geo. E. Tew

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2 SHEETS—SHEET 2.

Fig. 2.

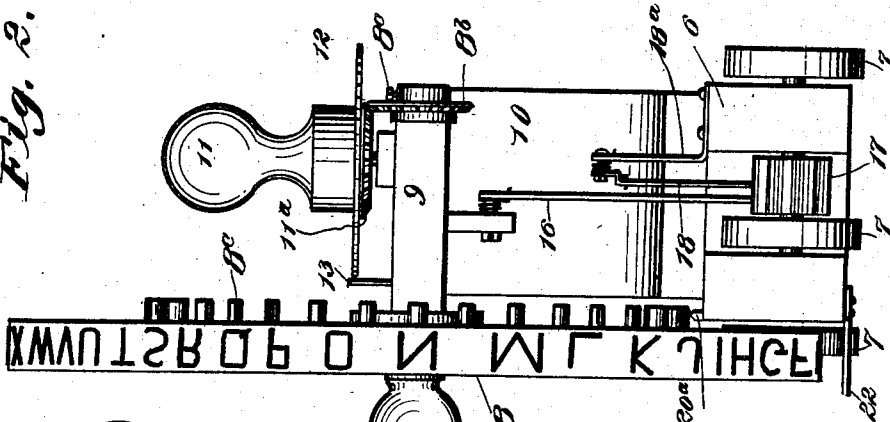
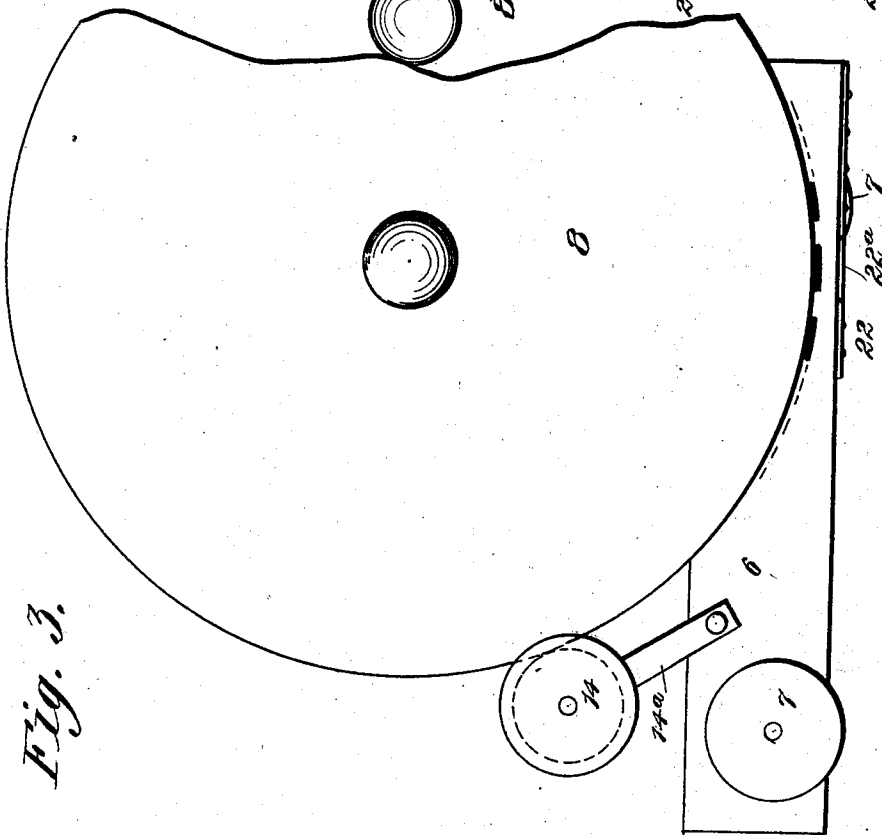


Fig. 3.



Witnesses

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PATENTED JUNE 30, 1903.

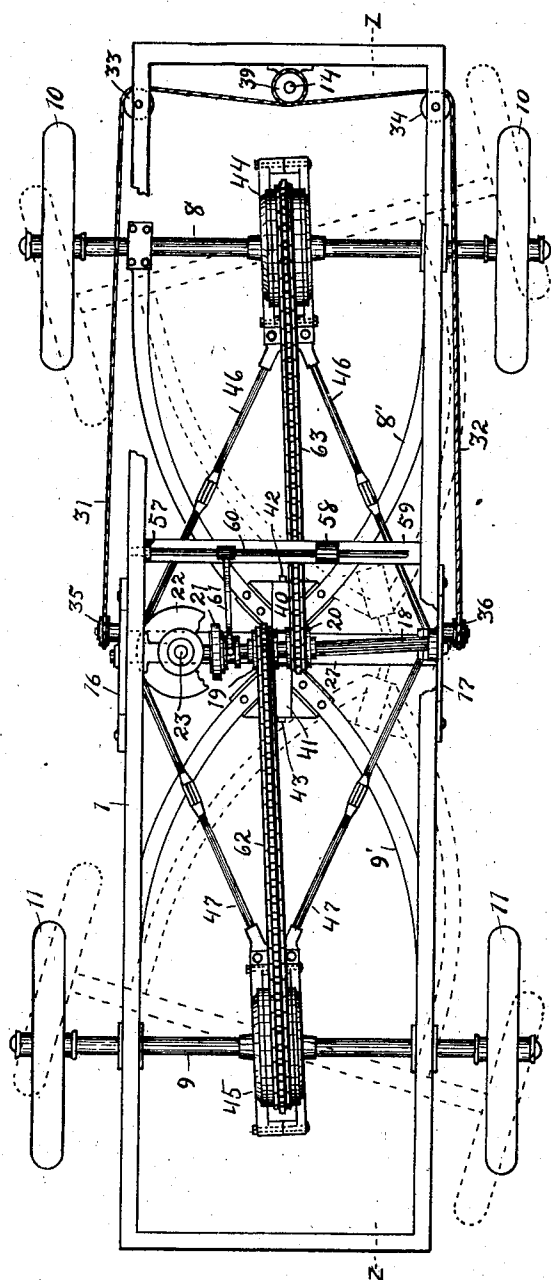
C. A. HIDER.
MOTOR VEHICLE.

APPLICATION FILED APR. 23, 1903.

NO MODEL.

3 SHEETS—SHEET 1.

Fig. 1.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHRISTIAN HANSEN, OF CHICAGO, ILLINOIS.

HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 732,551, dated June 30, 1903.

Application filed September 2, 1902. Serial No. 121,806. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN HANSEN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Hand-Stamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

15 This invention relates to hand-stamps, and is particularly designed as a marking-machine for impressing letters and figures on signs, tags, and the like.

20 Speaking generally it embodies a carriage which moves automatically over the surface to be printed and supports a type-wheel, which is carried by a swinging frame so that the type-wheel may be properly positioned with respect to the letter or character to be 25 printed and then pressed down by a handle to contact with the impression-surface.

In the accompanying drawings, Figure 1 is a rear elevation of the device, parts being broken away. Fig. 2 is a side elevation. Fig. 30 3 is a front elevation. Fig. 4 is a top plan view.

Referring specifically to the drawings, the carriage is indicated at 6, mounted on wheels 7.

35 The type-wheel is indicated at 8, having the alphabet and such other characters as may be desired around its rim. This wheel is rotatable and its shaft 8^a is journaled in bearings formed in a rocking frame, indicated at 9, said frame being pivoted at 9^a to the top of a 40 standard 10.

The handle is indicated at 11, rotatably mounted on a spindle projecting vertically from the frame 9. This handle carries a disk 12, bearing characters corresponding to the 45 characters on the type-wheel. The handle also carries a bevel-gear 11^a in mesh with a bevel-gear 8^b on the shaft 8^a of the type-wheel. The latter bevel-wheel is fixed to the shaft by a set-screw 8^c, whereby the wheels 50 may be so arranged that a certain letter on the type-wheel will be brought to the printing position when the same letter on the disk

reaches a certain fixed point, such as a pin 13. The type-wheel is normally raised from the surface, being printed by the tension of 55 a coiled spring 9^b.

The inking-roller is indicated at 14 and is carried by a bracket 14^a, pivoted to the carriage. The spring 14^b serves to retain the inking-roller in contact with the type-wheel. 60

16 indicates a spring-pallet which is carried by the rocking frame and reciprocates vertically when the frame is rocked. This pallet engages and communicates motion to a ratchet-wheel 17, secured to one of the carriage-wheels 65 7. The carriage is thus caused to move along the surface, being printed at the time the type-wheel lifts. The ratchet-wheel is so proportioned that the space the carriage moves has proper relation to the width of the type-face on the type-wheel. 18 indicates a spring-pawl supported by a bracket 18^a, which prevents backward motion of the ratchet. 70

On the back of the type-wheel are a series of studs 8^c, corresponding to the characters 75 on the rim thereof. These studs guide the particular letter desired to be printed to the exact position required to give a good impression by entering a notch 20, formed in a plate 20^a, secured to the front edge of the carriage. 80 By means of this construction if the disk on the handle should not be set exactly to the right point the type-wheel will nevertheless, when it is depressed, find its exact and proper printing position by entering the appropriate 85 stud into the said notch.

Under the type-wheel, attached to the bottom of the carriage, is a plate 22, having a recess 22^a cut therein. This recess is of sufficient size to allow one character to print 90 therethrough, and the adjacent parts of the plate serve to prevent the other letters from coming in contact with the surface being printed.

In operation the stamp is placed on the sur- 95 face to be printed and properly located for the first character, the handle being revolved to bring the character desired beside the pin 13, which brings the corresponding character on the type-wheel to the lowest point on the 100 wheel. Downward pressure on the handle then rocks the frame and brings the said character against the surface being printed. The pressure on the handle being released, the

spring 9^b lifts the type-wheel and in the lifting motion the pawl engages the ratchet-wheel, which turns the wheel 7, carrying the carriage forward the proper distance for the
5 impression of the next character.

What I claim as new is—

The combination with a wheeled carriage having a standard thereon, of a rocking frame pivoted at the top of the standard to rock in a
10 plane parallel to the direction of movement of the carriage and having a supporting-spring connected to the carriage on one side of the pivot, a type-wheel having printing characters on its rim, supported on a horizontal spindle
15 journaled in the frame on the other side of

the pivot and extending at a right angle to the frame beside and outside the carriage adjacent to the printing-surface, an index disk-wheel geared to the type-wheel, a pallet depending from the frame and engaging a
20 ratchet-wheel connected to one of the carriage-wheels, and a type-guard secured to the bottom of the carriage and projecting between the type-wheel and the printing-surface.

In testimony whereof I affix my signature
25 in presence of two witnesses.

CHRISTIAN HANSEN.

Witnesses:

NELLIE FELTSKOG,
H. G. BATCHELOR.