

C. E. NORIN & A. C. ROTHOFF.

HAND STAMP.

APPLICATION FILED JUNE 14, 1910.

Patented Aug. 8, 1911.

2 SHEETS-SHEET 1.

999,846.

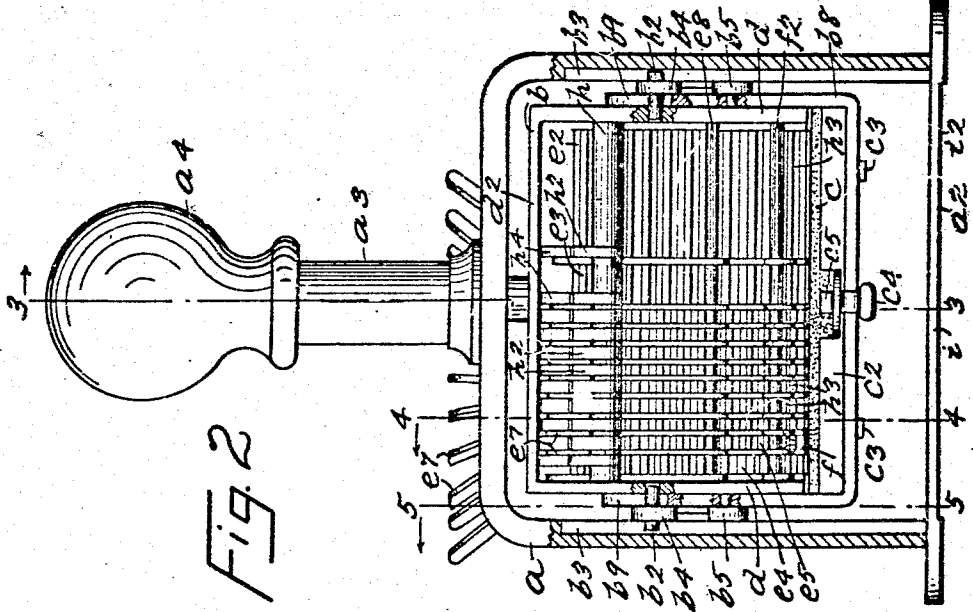


FIG. 2

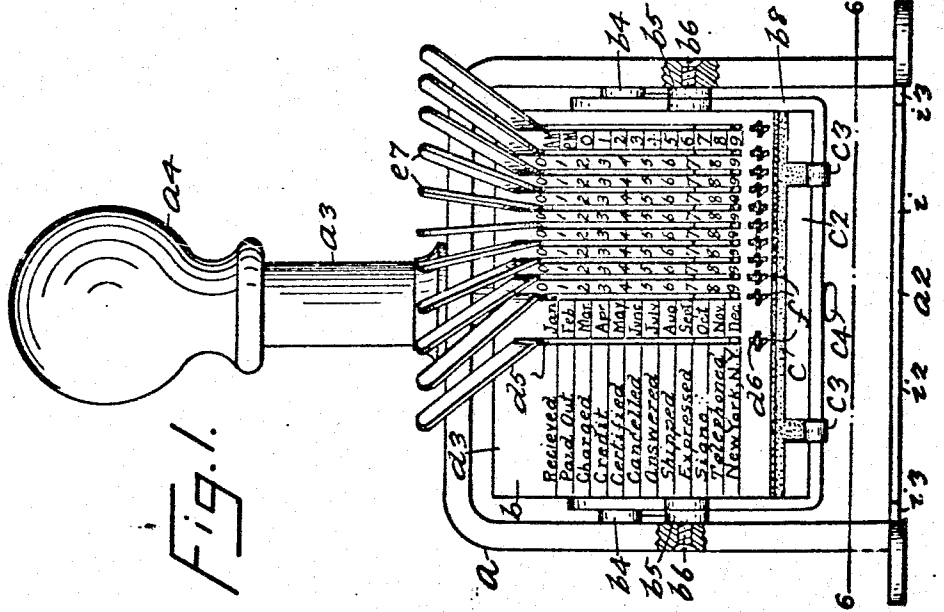


FIG. 1.

Witnesses:  
George F. Bentley  
J. C. Cole.

Carl E. Norin  
Albin C. Rothoff  
Inventors

By *J. C. Cole* Attorney

C. E. NORIN & A. C. ROTHOFF.  
HAND STAMP.

APPLICATION FILED JUNE 14, 1910.

Patented Aug. 8, 1911.

2 SHEETS—SHEET 2.

999,846.

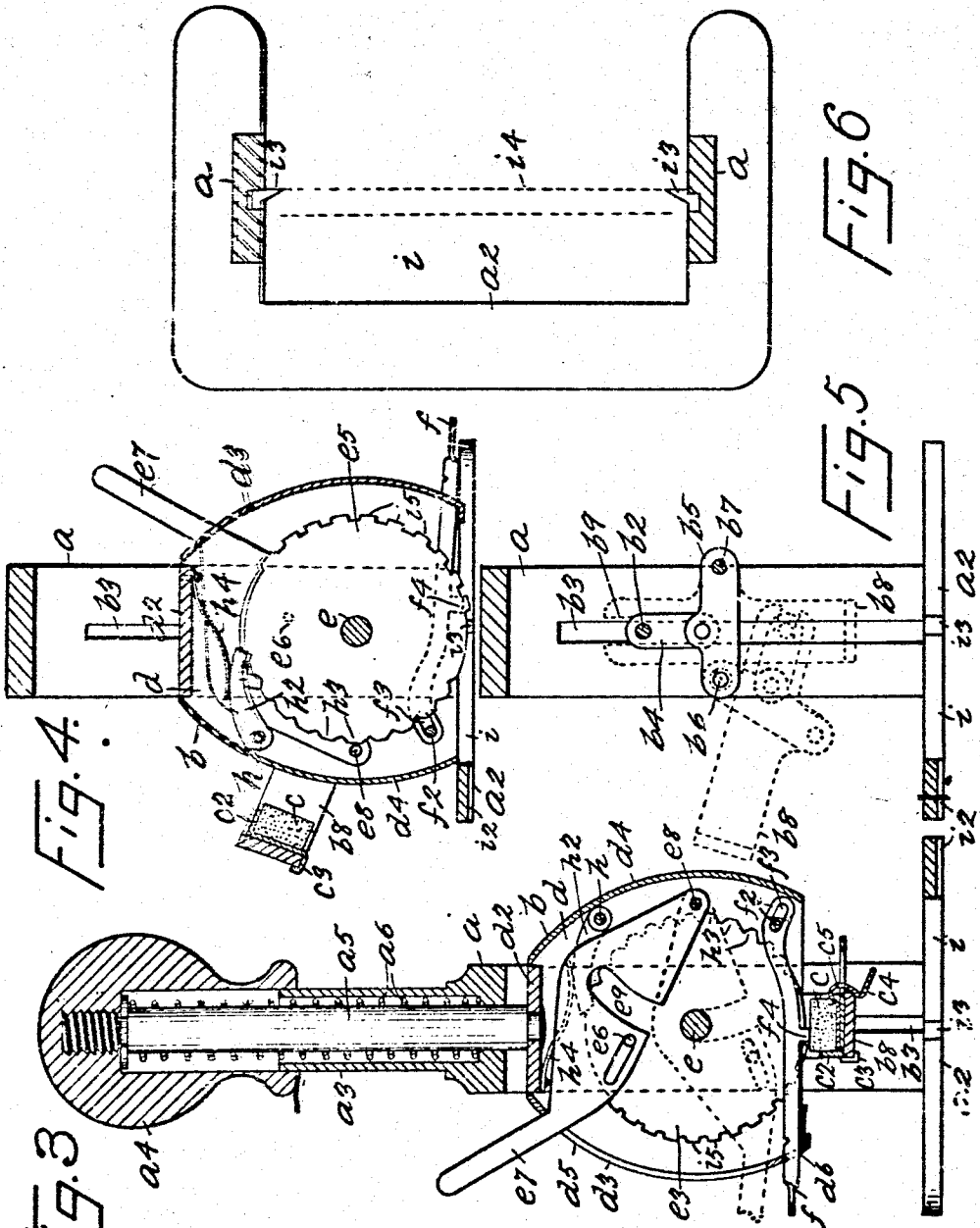


FIG. 3

FIG. 4

FIG. 5

FIG. 6

Witnesses:  
George F. Bentley  
J. C. Coker

Carl E. Norin  
Albin C. Rothoff  
Inventors

By this Attorney J. Ellis Larkin

BEST AVAILABLE COPY

# UNITED STATES PATENT OFFICE.

CARL E. NORIN AND ALBIN C. ROTHOFF, OF WOODHAVEN, NEW YORK.

HAND-STAMP.

999,846.

Specification of Letters Patent. Patented Aug. 8, 1911.

Application filed June 14, 1910. Serial No. 566,776.

To all whom it may concern:

Be it known that we, CARL E. NORIN and ALBIN C. ROTHOFF, subjects of the King of Sweden, and residing at Woodhaven, in the county of Queens and State of New York; have invented certain new and useful Improvements in Hand-Stamps, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to stamps for printing, particularly that class known as hand stamps, and the object thereof is to provide such a device which is capable of a multiplicity of uses heretofore requiring a plurality of distinct stamps.

A further object is to provide means whereby all of such uses are rendered inoperative or any desired combination thereof rendered operative.

A further object is to make such means manually and arbitrarily operative.

A further object is to provide means for printing any one of a plurality of terms or texts employed in business offices.

A further object is to provide means for printing the day, month, year, and time of day, either alone or in conjunction with any of the above mentioned terms.

A further object is to provide means for printing any desired number within the capacity of the device.

A further object is to provide means for punctuating at will after any or all of said terms, numbers, or other characters.

A further object is to provide self-inking means for the said device.

A further object is to provide means audibly determined, or by touch, for insuring the alinement of the said printing; and a further object is to provide such a device which is simple in construction and use, which is positive in action, which cannot readily get out of order and require repair, and which is comparatively inexpensive.

Our invention is fully described in the following specification, of which the accompanying drawings form a part, in which the separate parts are designated by the same reference characters in each of the views, and in which:—

Figure 1 is a front elevation of our invention; Fig. 2 is a rear elevation thereof, partly in section, and with the cover re-

moved; Fig. 3 is a section on the line 3—3 of Fig. 2; Fig. 4 is a section on the line 4—4 of Fig. 2; Fig. 5 is a section on the line 5—5 of Fig. 2; and Fig. 6 is a section on the line 6—6 of Fig. 1.

In the drawings forming a part of this application we have shown a frame comprising a yoke *a* in detachable engagement with a base *a*<sup>2</sup> and provided with a vertical tubular member *a*<sup>3</sup>, slidable in a handle *a*<sup>4</sup> having a rod *a*<sup>5</sup> in detachable connection therewith and secured, at its lower end, to a casing *b*, said rod, casing, and handle being normally held in raised position by a spring *a*<sup>6</sup> within the tubular member *a*<sup>3</sup>, all of these parts being of the usual or any desired construction.

Pivotally mounted in each side of the casing *b* is a stub shaft *b*<sup>2</sup>, the outer end of which moves in a guide is guided by a slot or groove *b*<sup>3</sup> in the vertical members of the yoke *a*, thus guiding the casing in its vertical movement through the medium of the handle *a*<sup>4</sup>, and pivoted on each of the said shafts is a link *b*<sup>4</sup> also pivoted to a lever *b*<sup>5</sup> in pivotal connection, at *b*<sup>6</sup>, with the yoke members, the outer ends of the said levers being in pivotal connection, at *b*<sup>7</sup>, to a yoke shaped bar *b*<sup>8</sup> provided with slots *b*<sup>9</sup> in each of the vertical ends thereof and in which the stub shafts *b*<sup>2</sup> move, thus controlling said bar, said bar being provided with an ink-pad *c* held within a box *c*<sup>2</sup> in detachable engagement with the said bar by means of permanent hooks *c*<sup>3</sup> and a latch *c*<sup>4</sup> controlled by a spring *b*<sup>5</sup>.

The casing *b* comprises side plates *d* connected by means of a cross-head *d*<sup>2</sup> in turn secured to the rod *a*<sup>5</sup>, and front and back plates *d*<sup>3</sup> and *d*<sup>4</sup>, preferably detachable, and the former of which is provided with a plurality of vertical slots *d*<sup>5</sup> and with smaller openings *d*<sup>6</sup> directly thereunder, dividing the face of the plate into a corresponding number of vertical spaces, one of which, in the form shown, has a plurality of business terms inscribed thereon, such as "Received", "Paid out", "Charged", etc. another abbreviations indicating the months of a year, another the terms "A. M." and "P. M." indicating morning or afternoon, as well as the numerals from zero to nine inclusive, and the remaining spaces carry the said numerals only, and it will be ob-

served that, whereas the first three spaces mentioned have twelve rows of terms or characters each, the others have but ten each, but we do not limit ourselves to any

5 specific number of spaces nor rows, nor to any specific terms or characters thereon, but it is our intention to make the subject matter of any row form a context with that of any other row or rows.

10 Arranged centrally of the casing *b* is a shaft *e* which carries a plurality of rotatable disks *e*<sup>2</sup>, *e*<sup>3</sup>, *e*<sup>4</sup>, and *e*<sup>5</sup>, there being eight of the latter shown and all exactly alike, whereas the others differ from each other

15 in thickness and from those *e*<sup>2</sup> both in thickness and in a manner hereinafter described, and each of said disks carries a pin *e*<sup>6</sup> slidably mounted in a lever *e*<sup>7</sup> extending beyond the front plate *d*<sup>2</sup> for each of said

20 disks, said levers being pivotally mounted upon a shaft *e*<sup>8</sup> and being provided each with a slot *e*<sup>9</sup> concentric with the pivot thereof to admit the shaft *e* and thus permit a greater range of lever movement, and it

25 will be seen that any of the disks may be rotated upon the shaft *e* by means of the corresponding lever, and in either direction.

Arranged directly beneath the levers *e*<sup>7</sup> are a corresponding number of bars *f* extending beyond the front plate *d*<sup>2</sup> and slidably mounted upon a shaft *f*<sup>2</sup> by means of a

30 slot *f*<sup>3</sup> therein, each of said bars carrying a depending member *f*<sup>4</sup> carrying, in practice, a punctuation type, such as a comma, or the like, and it will be observed, by reference to

35 Figs. 3 and 4, that forward movement of any of the bars *f* raises the depending member thereof because of the inclined slot *f*<sup>3</sup>, thus moving the said character thereon out

40 of operative position, and backward movement carries the said characters into operative position, and said bars are operable independently of the levers *e*<sup>7</sup>.

Pivotally mounted upon a shaft *h* are a

45 plurality of pawls *h*<sup>2</sup> in line, each, with one of the disks *e*<sup>2</sup>, *e*<sup>3</sup>, *e*<sup>4</sup> and *e*<sup>5</sup>, and adapted to be engaged by ratchet teeth *h*<sup>3</sup> on the said disks, of which there are sufficient to insure

50 twelve operative and one inoperative positions of the said disks *e*<sup>2</sup>, *e*<sup>3</sup> and *e*<sup>4</sup>, and ten operative and one inoperative positions of the disks *e*<sup>5</sup>, corresponding to the number of

55 rows of terms or characters on the particular space of the front plate behind or in line with which the said disks are arranged, and we also provide a spring *h*<sup>4</sup> for each of the said pawls to insure such engagement.

By reference to Fig. 6 it will be seen that the base *a*<sup>2</sup> is provided with an open space *i*

60 beneath the casing *b* and is also hollowed out on the bottom central portion thereof, as shown at *i*<sup>2</sup>, to permit the passage of checks or other instruments under the said base

65 and, in practice, we provide two positioning fingers *i*<sup>3</sup> whereby the line of printing *i*<sup>4</sup>

may be accurately determined, as on a printed line on such instrument.

As will be noted, by reference to Fig. 3, the disks *e*<sup>2</sup>, *e*<sup>3</sup> and *e*<sup>4</sup> are provided with

70 twelve type faces corresponding in number to the rows of terms or characters on the spaces on the front plate in line therewith, and the disks *e*<sup>5</sup> have but ten such faces and

75 corresponding to the spaces in line therewith, these type faces being shown at *i*<sup>5</sup> but it will also be observed that the number of pawl engagements of the said disks exceeds the number of type faces by one, thereby

80 leaving an inoperative disk position preferably with the levers in their uppermost position and whereby no printing occurs when the casing *b* is moved toward the base *a*<sup>2</sup>, but by means of the lever movements the

85 corresponding disks are rotated accordingly and the subject matter of the said disks, or rather the type faces in operative positions, is indicated on the front plate by the position of the said levers, the passage of the

90 pawls from one point of engagement to another being audible and appreciable to the sense of touch and, because of the pawl

95 springs, an exact positioning of the disks results, thereby producing exact alignment of the printing performed by the said disks or type faces, the inking of the type faces taking

100 place when the casing *b* is in its uppermost position, and the ink-pad being moved out of the way on the downward movement of the said casing as clearly indicated in

105 Fig. 5.

It will therefore be seen that we provide a stamp capable of a plurality of uses, either

110 separately or in combination and, while we have shown and described one form thereof, it will be obvious that many changes may be made therein and still accomplish the desired

115 results and, with a reservation to ourselves of all such changes, what we claim as new and desire to secure by Letters Patent, is:—

1. A device of the class described, comprising a shaft, a carrier therefor, a plurality of disks bearing each a plurality of

120 type surfaces on said shaft, means for rotating said disks into predetermined positions, means for holding the same in said positions, means for moving said carrier to bring

125 said type surfaces into contact with a surface for printing thereon, and bars bearing punctuating characters arranged between said disks and movable in said carrier to

130 make said punctuating characters operative or inoperative.

2. In a device of the class described, a carrier, a plurality of disks rotatable therein,

135 each of said disks being provided with a plurality of type surfaces, means for rotating said disks to bring any of said surfaces into operative position, means for moving

140 said carrier whereby printing is accom-

plished by the said type surfaces in operative position, and bars slidably arranged between said disks and bearing punctuating characters and adapted to be moved into and out of operative position individually, at will.

5 In testimony that we claim the foregoing as our invention we have signed our names

in presence of the subscribing witnesses this 11th day of June 1910.

CARL E. NORIN.  
ALBIN C. ROTHOFF.

Witnesses:

GEORGE F. BENTLEY,  
J. C. LARSEN.