P. L. NORDIN.

HAND STAMP.

APPLICATION FILED AUG. 10, 1921.

1,408,389. Patented Feb. 28, 1922.

Fig. 1

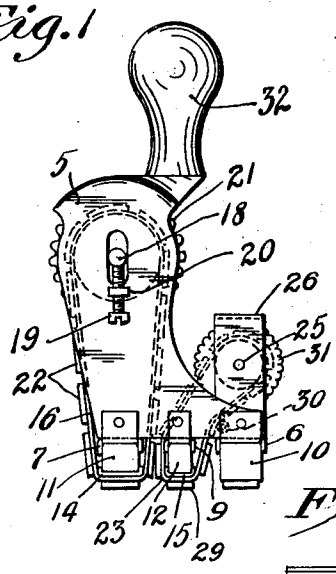


Fig. 2

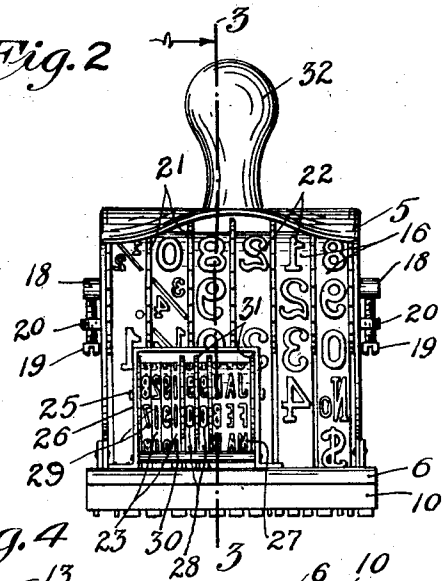


Fig. 4

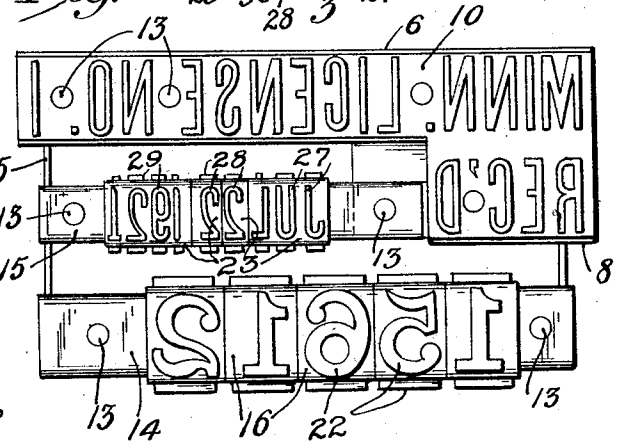
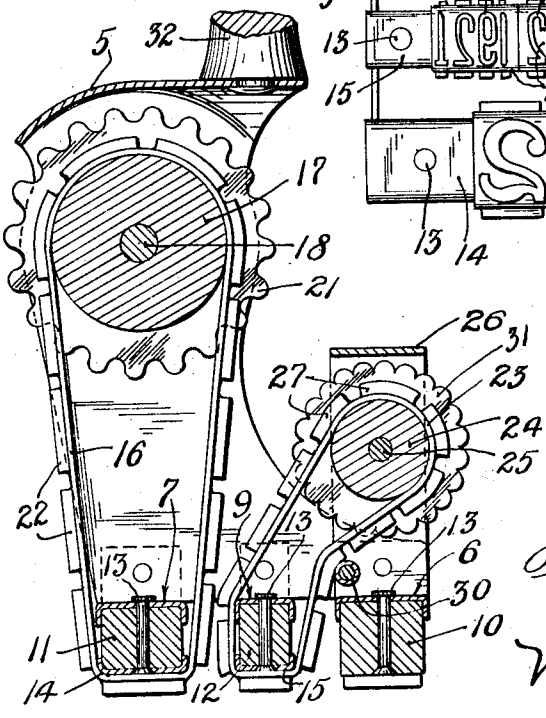


Fig. 3



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UNITED STATES PATENT OFFICE.

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HAND STAMP.

1,408,389. Specification of Letters Patent. Patented Feb. 28, 1922.

Application filed August 10, 1921. Serial No. 491,102.

To all whom it may concern:

Be it known that I, PETRUS LEONARD NORDIN, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, 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.

My invention relates to improvements in hand stamps and, more specifically, to such stamps made for marking goods or packages or boxes containing goods delivered to cold storage plants by stamping thereon, with ink, at the time of receiving, the license number of the plant, the receiving date and an identifying number. Certain States have laws requiring such markings and it often requires more than one day to deliver goods for storage and each lot must bear the date on which the first delivery was made and, hence, the receiving clerk is required to change the date on his identifying stamp many times a day. Stamps now in use, in addition to other matter, have daters made up of independent type held in retaining channels and each time the date is changed, it is necessary to pick out one or more of the type and substitute other type therefor, which requires considerable work and a great deal of lost time and, furthermore, these independent type are very often dropped and lost.

My invention has for its object to provide a stamp in which the dating and numbering apparatus may be very easily and quickly adjusted, together with other important improvements hereinafter noted.

To the above end, generally stated, the invention consists of the novel devices and combinations of devices hereinafter described and defined in the claims.

In the accompanying drawings, which illustrate the invention, like characters indicate like parts throughout the several views.

Referring to the drawings:

Fig. 1 is a left side elevation of the improved hand stamp:

Fig. 2 is a back elevation of the same;

Fig. 3 is a vertical section taken on the line 3—3 of Fig. 2, on an enlarged scale; and

Fig. 4 is a bottom plan view of the invention as shown in Fig. 3.

The numeral 5 indicates a U-shaped main frame, to the sides of which, at their lower edges, are rigidly secured two outer platen bars 6 and 7. The width of the platen bar 6, at its left-hand end, is materially increased toward the platen bar 7, as indicated at 8.

An intermediate platen bar 9 is located between the platen bars 6 and 7 and spaced edgewise therefrom and has one of its ends secured to one of the sides of the main frame 5 and its other end is secured to the extension 8 of the platen bar 6. Preferably, as shown, the platen bars 6, 7 and 9 are in the form of inverted channels.

Mounted on the platen bar 6 and its extension 8 and on the platen bars 7 and 9 are elastic beds 10, 11 and 12, respectively, of sponge rubber or other suitable material. These beds 10, 11 and 12 are secured to the respective platen bars 6, 7 and 9 and the extension 8 by headed guide pins 13, which are free to move endwise in the respective platen bars to permit said beds to independently move under compression. The under faces of the beds 11 and 12 are covered by channel-wearing plates 14 and 15, respectively, held in position by certain of the headed guide pins 13. On the under face of that portion of the bed 10 mounted on the platen bar 7 is a line of type which reads as follows: "Minn. License No. 1." Also, on the under face of that portion of the bed 10 mounted in the platen extension 8 is a line of type, aligned with the wearing plates 15, which reads as follows: "Rec'd."

A plurality of edgewise spaced type-carrying endless ribbons 16 are arranged to run over the wearing plate 14 and overlying wheels 17 journaled on a stationary shaft 18, the ends of which extend into slots in the sides of the main frame 5 and are adjustably supported on bearing screws 19 having screw-threaded engagement with lugs 20 on the outer faces of the sides of said main frame. Obviously, these bearing screws 19 act as tighteners for the endless ribbons 16. To one end of each wheel 17 is secured a metal disk 21 having a notched periphery, the diameter of which is considerably larger than the wheel 17. These disks 21 may be engaged at diametrically opposite points by the fingers of an operator's hand extended

over the transverse portion of the main frame 5, to impart turning movement to the wheels 17 for adjusting the ribbons 16. Secured to each ribbon 16 are longitudinally spaced type 22 representing the digits naught to nine, inclusive, and the type 22, on the several ribbons 16, are arranged to be transversely aligned on the wearing plate 14 to afford a "lot" number, as shown in Fig. 4. A plurality of type-carrying edgewise spaced ribbons 23 are arranged to run over the wearing plate 15 and a plurality of overlying wheels 24 independently journaled on a shaft 25 mounted in the sides of a yoke-like supplemental frame 26 secured to the platen bar 6. On one of the outer ribbons 23 are type 27 indicating the months of the year arranged to be successively positioned on the wearing plate 15, on each of the two intermediate ribbons 23, are type 28 indicating the digits naught to nine, inclusive, arranged to be transversely aligned on the wearing plate 15 to indicate the days of a month, and on the other outer ribbons 23 are type 29 indicating different years arranged to be successively positioned on the wearing plate 15. By adjusting the ribbons 23, the type 27, 28 and 29 may be transversely aligned in various different arrangements on the wearing plate 15 after the word "Rec'd.", to indicate the month, the day of the month and the year, as shown in Fig. 4. A guide rod 30 is secured to the sides of the supplemental frame 26 for guiding the ribbons 23 to and from the wearing plate 15 to position the type 27, 28 and 29 thereon.

Secured to one of the ends of each of the wheels 24 is a metal disk 31 similar to the metal disks 21 and which disks 31 may be engaged, at diametrically opposite points, by the operator's fingers while his hand is extended over the transverse portion of the supplemental frame 26. A handle 32 is secured to the transverse portion of the main frame 5 by which the improved stamp may be carried and operated.

From the above description, it is evident that the lot number and the date may be very easily and quickly changed and, in stamping boxes or packages having uneven surfaces, the elastic beds 10, 11 and 12 will yield so that all the letters and numerals on the stamping face of the device will rest evenly upon the surface thereof and thereby clearly and distinctly reproduce on the box or package the name of the State, the license number, receiving date and the lot number.

The above described device, in actual usage, has proven highly efficient for the purpose had in view.

What I claim is:

1. The combination with a frame, of two outer platen bars and an intermediate platen bar edgewise spaced the one from the other, two sets of wheels journaled on the frame over the platen bars, elastic beds on the platen bars, wearing strips on one of the outer elastic beds and the intermediate elastic bed, type carrying ribbons arranged to run over said wheels and said wearing strips, and type on the other outer elastic bed.

2. The combination with a frame, of two outer platen bars and an intermediate platen bar edgewise spaced the one from the other, said platen bars having depending flanges, two sets of wheels journaled on the frame over the outer platen bars, elastic beds on the platen bars held by said flanges, channel wearing plates on one of the outer elastic beds and the intermediate elastic bed type carrying ribbons arranged to run over said wheels and said wearing plates, and type on the other outer elastic bed.

3. In a stamp of the kind described, the combination with a frame, of a platen bar, an elastic bed mounted on the platen bar, a guide pin extending completely through the elastic bed and mounted in the platen bar with freedom for endwise movement to permit compression of the elastic bed, and type on the under side of the elastic bed.

4. In a stamp of the kind described, the combination with a frame, of two outer platen bars and an intermediate platen bar edgewise spaced the one from the other, two sets of wheels journaled on the frame directly over the outer platen bars, type-carrying ribbons arranged to run over said wheels and one of the outer platen bars and the intermediate platen bar, and type secured to the other outer platen bar.

5. In a stamp of the kind described, the combination with yoke-like main and supplemental frames, of two outer platen bars and an intermediate platen bar edgewise spaced the one from the other, elastic beds mounted on the platen bars, type secured to one of the outer elastic beds, two sets of wheels journaled one set in each of said frames, and type-carrying ribbons arranged to run over said wheels and the other elastic bed and the intermediate elastic bed.

In testimony whereof I affix my signature.

PETRUS LEONARD NORDIN.