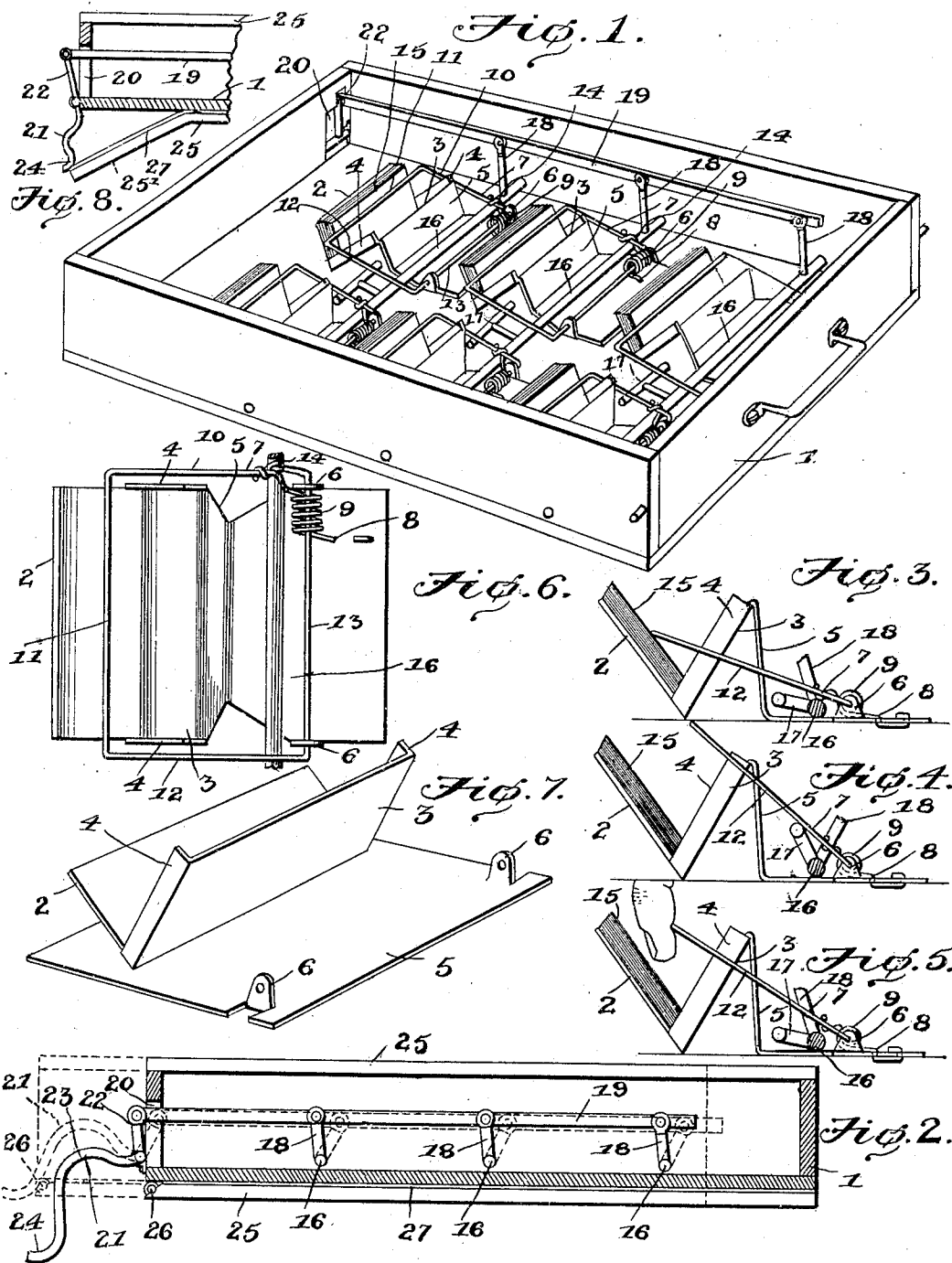


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F. G. HARNISH.
LABEL HOLDER.

APPLICATION FILED MAY 21, 1906.



WITNESSES:

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LABEL-HOLDER.

No. 833,049.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANK G. HARNISH, a citizen of the United States, residing at Alice, in the county of Cass and State of North Dakota, have invented a new and useful Label-Holder, of which the following is a specification.

This invention has relation to label-holders; and it consists in the novel construction and arrangement of its parts, as hereinafter shown and described.

The object of the invention is to provide a label-holder especially adapted to retain in proper position druggists' labels, more particularly those labels that are provided with gummed backs.

The label-holder is preferably mounted in series in a drawer or set of drawers, and each holder is provided with a spring which is adapted to bear against each bunch of labels and retain them flat in their proper stalls. When the drawer is opened, every spring in the drawer is automatically lifted out of the way, so that any particular label may be readily removed for use. While every spring mechanism is operated automatically when the door is opened, yet each spring mechanism is so constructed that any one may be operated by the hand without disturbing the others.

In the accompanying drawings, Figure 1 is a perspective view of a drawer provided with the label-holder. Fig. 2 is a vertical longitudinal sectional view of the drawer, the heavy lines showing the position of the parts when the drawer is closed, the dotted lines showing the positions of the parts when the drawer is opened. Fig. 3 is a side elevation of the label-holder, showing the spring in engagement with the labels. Fig. 4 is a side elevation of the label-holder, showing the spring raised out of engagement with the labels. Fig. 5 is a side elevation of the label-holder, showing the manner of lifting any individual spring by hand. Fig. 6 is a top plan view of the label-holder, showing the peculiar construction of spring; and Fig. 7 is a perspective view of a modified form of receptacle for holding the label. Fig. 8 is a longitudinal sectional view of the rear end of a drawer, showing a modified form of means for operating a lever.

The label-holders are usually arranged in series or sets in a suitable receptacle, such as a drawer 1. Any number of drawers prop-

erly equipped may be arranged within a suitable cabinet. (Not shown.) The label-holder proper, as shown in Figs. 3, 4, 5, and 6 of the drawings, consists of a piece of sheet metal struck up in such manner as to provide a back piece 2, which when the label-holder is in position in the drawer is substantially in a plane at right angles to the eye of the person desiring to remove a label.

The front piece 3 is provided at its edges with the flanges 4 4, and the shank-piece 5 extends back from the upper portion of the front piece 3 and is adapted to be secured to the bottom of the drawer. The lugs 6 6 are formed at the edges of the shank-piece 5. The spring 7 consists of a single piece of wire formed in the following manner: One end of the wire is secured to the shank 5 at the point 8. (See Fig. 6.) The coil 9 is then formed in the said wire. The wire is then carried forward, forming the side section 10, is then bent at right angles, forming the front section 11, and is then carried back at right angles, forming the opposite section 12. The wire is again bent at right angles, forming the back section 13, which is pivoted in the lugs 6 6. The back section 13 passes through the coil 9, and the extreme end of the section 13 is carried around, as at 14, and passed under the side section 10. The tension of the spring portion 9 is such as to have a tendency to maintain the front portion 11 in the lowest position possible, and consequently the said portion 11 bears against the labels 15, which are deposited upon the front piece 2 of the label-holder.

In the form of the label-holder as shown in Fig. 7 the shank-piece 5 is in the form of a flat plate, which may be attached to the bottom of the drawer, and the lugs 6 6 are cut out of the metal constituting the shank 5 and are bent up at right angles thereto in the manner as shown. The triangular tray, consisting of the front piece 3, the back piece 2, and the end flanges 4, is secured at the apex of its angle to the shank-piece 5. The spring adapted to be used in connection with the form of holder as shown in Fig. 7 is of the same construction as that shown and described in Fig. 6 of the drawings.

From the above description it will be seen that the labels 15 are normally held in their proper arrangement by the contact of the spring 7. In fitting a drawer with a series of holders a means is provided for lifting all of

the springs 7 out of contact with the labels 15 at the same time—that is, when the drawer is opened—and when the drawer is closed bringing all of the springs 7 in contact with the said labels. To accomplish this, the holders proper are arranged in rows, as indicated in Fig. 1 of the drawings. A shaft 16 extends over the shanks 5 of each row of labels, the shaft having at suitable intervals the fixed lugs 17, which extend under the side portions of the springs 7. Near one end said shaft is provided with arm 18, the upper end of which is pivoted to the rod 19.

As illustrated in Fig. 1 of the drawings, as many shafts 16 are provided as there are rows of label-holders, the said shaft 16 extending transversely across the bottom of the drawer 1. The rod 19 extends longitudinally along one side of the drawer 1 and at its rear end passes through an opening 20, provided in the back of the drawer. At the base of said opening 20 a lever 21 is fulcrumed. Said lever is of peculiar configuration: Its working end 22 is pivotally attached to the rear end of the rod 19, while its power end is arched outwardly, as at 23, and curved upwardly, as at 24, at its extremity. The guide 25, which supports the drawer 1, is provided at its rear end with a roller 26. Said roller is located in the path of the lever 21, and immediately behind the side roller 26 and upon the guide 25 is located a wear-plate 27. Said wear-plate is also in the path of the lever 21. It will thus be seen that when the drawer 1 is opened the arched portion 23 of the lever 21 will come in contact with roller 26 and that as the door opens the free end of the said lever is raised. The working end 22 of the said lever is at the same time depressed and is thrown into the position as shown in Fig. 3 of the drawings. The rod 19 is moved toward the front of the drawer and through the arms 18 the shafts 16 are caused to describe partial rotations. Thus the lugs 17 are carried up under the springs 7 and all of the said springs are simultaneously lifted from the various packs of labels. Thus when the drawer is opened the druggist may remove any particular label, and when the drawer is closed the operation above described is reversed and the labels are held in their proper receptacles. This device is especially advantageous for use in connection with gummed labels, as such labels are affected by atmospheric conditions and tend to curl and twist. When contained within such a holder, they are held flat and are always accessible for speedy use.

In the form of the lever-operating device as illustrated in Fig. 8 the lever 22 is substantially the same as in Fig. 2. However, the rear end of the guide 25 is inclined down, as at 25', and the end lever 22 passes up this incline as the drawer 1 is opened, thus operating the parts as above described. This

construction is desirable where the drawer 1 contains a large number of label-holders. It is of course understood that in using a column of drawers thus equipped the rear ends of the drawers would terminate at the beginning of the incline 25'.

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

1. In combination with a sliding drawer a label-holder mounted therein, a spring attached to said label-holder and being under tension to retain the labels in proper position, and a means attached to the drawer and adapted to overcome the tension of the spring to move the same away from the labels when the drawer is opened.

2. In combination with a sliding drawer a label-holder located therein said label-holder being adapted to retain the labels at an angle of approximately forty-five degrees, a spring adapted to bear against said labels, and a means for moving said spring as the drawer is opened.

3. In combination with a sliding drawer a label-holder consisting of a tray adapted to hold one or more labels, a spring pivoted to said label-holder and consisting of a single piece of wire having one end fixed to the label-holder, a coil formed therein, a side portion extending from said coil, a front portion extending from said side portion, a side portion opposite to the first said side portion, a back portion extending parallel to said front portion and passing through said coil and being pivoted to the label-holder and terminating in an end which passes under the first said side position, and a means for lifting said spring against the tension of said coil when the drawer is opened.

4. In combination with a sliding drawer a series of label-holders arranged therein each label-holder having a spring adapted to engage the labels, a shaft operatively located with relation to said series of holders and carrying suitable lugs, and a means for operating said shaft when the drawer is opened so that the said lugs will lift said springs out of engagement with the labels.

5. In combination with a sliding drawer a label-holder located therein and adapted to hold the labels, a spring attached to said holder and adapted to bear against said labels, a shaft suitably journaled and having a lug adapted to engage said spring, a rod pivotally attached to said shaft, a lever fulcrumed to the rear end of said drawer and being pivotally attached to the rear end of said rod said lever being of such configuration as to engage the drawer-guide when the drawer is opened and operate the said rod and shaft so as to cause the lug thereof to lift said spring.

6. In combination with a sliding drawer a label-holder located therein and having

means for engaging the labels when the drawer is closed and releasing the labels when the drawer is opened, a mechanism for operating said means consisting of a shaft, 5 an arm fixed to said shaft, a longitudinally-movable rod pivoted to said arm, a lever fulcrumed to the drawer and having one end pivotally attached to said rod, said lever being of such configuration as to engage the 10 drawer-guide when the drawer is opened whereby its free end is elevated and the said rod is moved longitudinally.

7. In combination with a sliding drawer a label-holder located therein and provided 15 with means for engaging the labels when the drawer is closed and disengaging the labels when the drawer is opened, a lever fulcrumed to the drawer and having an intermediately-arched portion, the working end of the lever 20 being operatively connected with the label-holder said arched portion adapted to engage the drawer-guide when the drawer is opened

whereby the free end of the lever is elevated and the label-holder is operated.

8. In combination with a sliding drawer a 25 label-holder located therein and adapted to hold the labels, a means for engaging the labels when the drawer is closed and for disengaging the labels when the drawer is 30 opened, a lever-operated mechanism connected with said label engaging and disengaging means, a roller located on the drawer-guide within the path of the lever of said 35 operating mechanism, and a wear-plate located upon said drawer-guide and also being located within the path of said lever.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

FRANK G. HARNISH.

Witnesses:

A. B. SACKETT,
A. L. BAYLEY.