(No Model.)

E. R. DENNY.

CASE FOR EXHIBITING NEEDLES.

No. 479,117. Patented July 19, 1892.

Fig. 1.

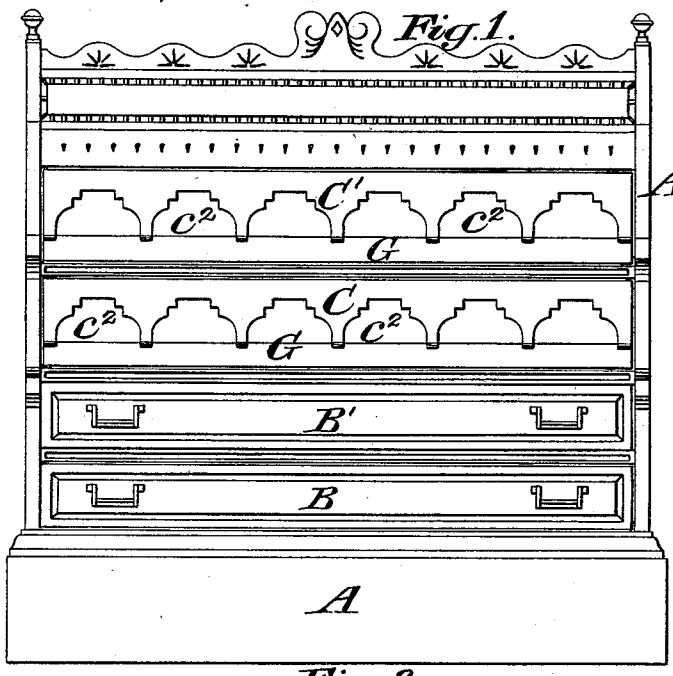


Fig. 2.

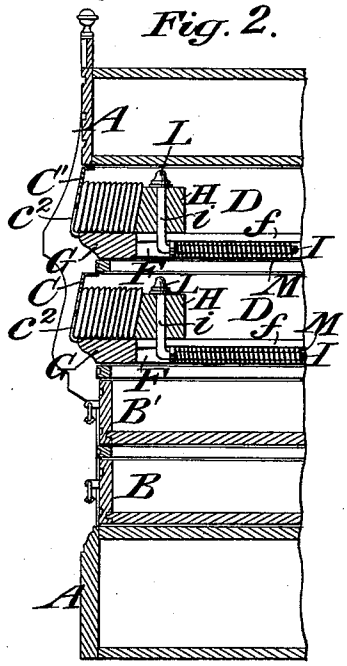


Fig. 3.

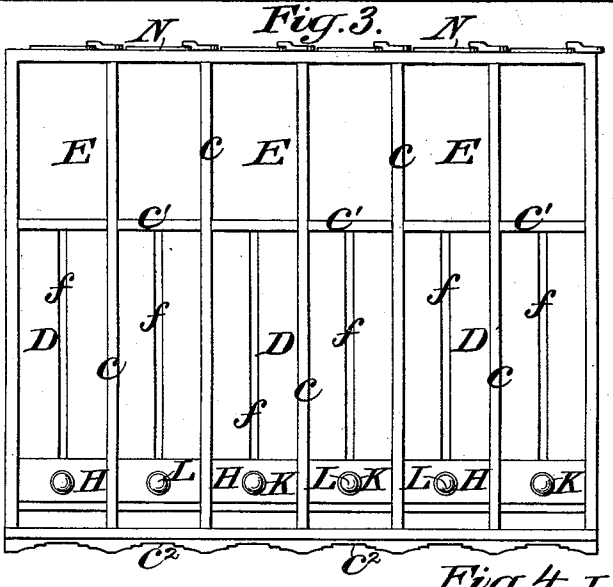


Fig. 5.

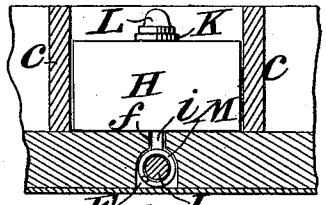


Fig. 6.

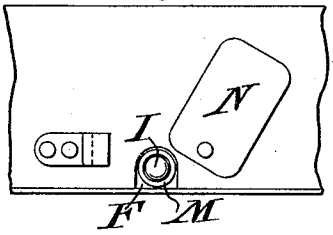
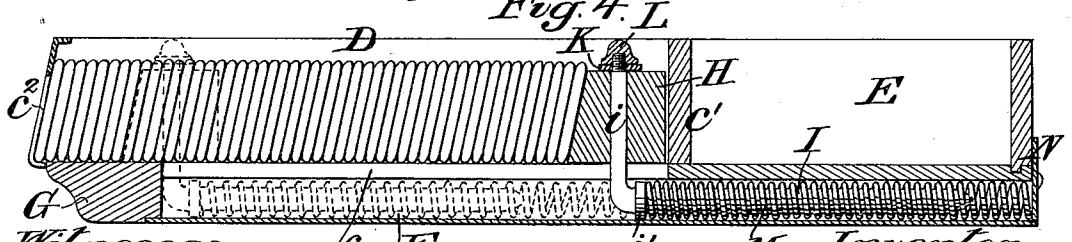


Fig. 4.



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UNITED STATES PATENT OFFICE.

ERNEST R. DENNY, OF SPOKANE, WASHINGTON.

CASE FOR EXHIBITING NEEDLES.

SPECIFICATION forming part of Letters Patent No. 479,117, dated July 19, 1892.

Application filed March 5, 1892. Serial No. 423,810. (No model.)

To all whom it may concern:

Be it known that I, ERNEST R. DENNY, of Spokane, in the county of Spokane and State of Washington, have invented a new and useful Improvement in Cases for Exhibiting Needles, &c., of which the following is a specification.

My invention consists in a case of the above character which is divided into drawers and compartments in such a manner as to hold packages of different-sized needles and present them plainly to the eye; and it further consists in such a construction as to permit one of each class of packages being removed at a time through one of a series of openings in the case in an easy and convenient manner.

My invention still further consists in such a construction of the case as to utilize all the space therein and have a ready means of access to the different compartments for the purpose of refilling the same or examining the stock.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 is a front view of my improved needle-case. Fig. 2 is a partial vertical section of the same. Fig. 3 is a top plan view of one of the drawers, showing the same divided off into compartments. Fig. 4 is a longitudinal vertical sectional view through the center of one of the compartments of the drawer. Fig. 5 is a transverse vertical section through the same, and Fig. 6 is a partial end view of the drawer.

A designates the case. B B′ C C′ are drawers located therein. The drawers B B′ are of usual construction and are adapted to hold the larger classes of needles, such as crotchet, darning, and knitting needles. Each of the drawers C C′ has partitions *c* extending from front to rear. The spaces thus formed are divided into front and rear compartments by means of a cross-partition *c′*. The front or delivery-compartments are designated by D and the rear or storage compartments by E. A recess F is formed along the bottom of the drawer under each of the compartments D and E, and the said recess communicates with the compartment D along its center by means of a longitudinal groove *f*. The front of the drawer extends from the top downward and outward until within a short distance of the bottom, when it makes a sharp turn inward and is then secured. Openings c^2 are formed in the said front opposite each delivery-compartment D. The openings are a little wider at their bottoms than the packages to be removed and then gradually contract; but the said openings are large enough to enable a person to see all the reading matter upon the front packages. A strip of metal G or other suitable material is secured along the bottom of the drawer and incloses all the recesses F for the purpose which will hereinafter appear.

In order to force the packages in the compartment D toward the front of the drawer, I provide the following parts: A follower H is inserted in the compartment D. The face of the said follower is substantially parallel with the front of the drawer. A pin I is inserted in the recess F and has an arm *i* bent up therefrom. The said arm *i* extends up through the groove *f* and through the follower H, and the follower is firmly secured to the said arm by means of a nut K and knob L. The pin I is further provided with an enlarged portion *i′*. A spring M is also inserted in the recess F and embraces the pin I and presses against the enlarged portion *i′*. This pressure tends to push the follower toward the front of the compartment D. A plate or cover N is secured upon the back of the drawer in position to close the end of the recess F, and it serves as a bearing-piece for one end of the spring M.

When it is desired to remove or strengthen the spring M or for any other purpose, the plate or cover N is swung open and access is thereby obtained.

The compartment E is used for a reserve stock of packages for the purpose of refilling the compartment D when desired.

The operation of my device is as follows: The drawer is opened, and the knob L is pushed back until the follower is forced back against the partition *c′*. The space thus formed is filled with the packages of needles of a certain size, and the front package is pressed firmly against the front of the compartment in such a position as to have its size, &c., readily seen

from the outside through the opening c^2. Each compartment is filled as above, and the drawer is then closed. When the operator wishes a certain size of needles, he glances along the front of the case until he sees the one desired. He then gives a downward pressure with his finger or thumb upon the package and it is forced out, and the next package is immediately forced to the front by the spring-actuated follower. The bottom of the opening c^2 is made only large enough for the passage of one package at a time. If it is desired to inspect the stock or refill the compartments at any time, access is had by simply pulling the drawer open. If the spring should be found to be too weak, the plate-cover N is swung open, the spring removed and stretched, and then replaced without any degree of trouble or annoyance.

It will be seen that by utilizing the compartments E for storage of the packages I am enabled to use the entire space within the case. It will be seen, further, that by confining the spring M in the recess F by the strip of metal G it will not get out of place.

While I have shown and described a case for containing packages of needles, it is obvious that I may use the same for tickets, labels, &c., without departing from the spirit and scope of my invention.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A case, a drawer therein divided into compartments for the reception of packages, the front of said drawer having openings corresponding with the compartments, recesses formed along the bottom of the drawer under each of said compartments in the direction of their length and having direct communications with the compartments, followers within the compartments, and follower-actuating means located within the said recesses, substantially as set forth.

2. A case, a drawer therein divided by partitions into delivery and storage compartments, the storage-compartments being situated to the rear of the delivery-compartments, the front of each delivery-compartment being provided with an opening therethrough, and a spring-actuated follower within the delivery-compartment, substantially as set forth.

3. A case, a drawer therein divided into delivery and storage compartments, a recess along the bottom of the drawer underneath each of said compartments and having a communication therewith by means of a groove, a follower within the compartment, a pin within the recess, having an arm uprising therefrom and secured to the follower, a spring within the recess, exerting a forward pressure upon the pin, and thereby upon the follower, and means for confining the pin and spring within the recess, substantially as set forth.

4. A case, a drawer therein divided into delivery and storage compartments, the front of said drawer provided with openings corresponding with the delivery-compartments, a recess extending along the bottom of the drawer under each set of delivery and storage compartments and having a direct communication with the delivery-compartment, a follower within the delivery-compartment, a pin within the recess, having an arm uprising therefrom and secured to the follower, a spring within the recess, exerting a forward pressure upon the pin, a strip of metal along the bottom of the drawer for confining the spring and pin, and a removable plate or cover over the rear end of the recess, whereby access is obtained to the spring, substantially as set forth.

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