O. NAUEN.

Needle-Case.

No. 169,029. Patented Oct. 19, 1875.

Fig. 1.

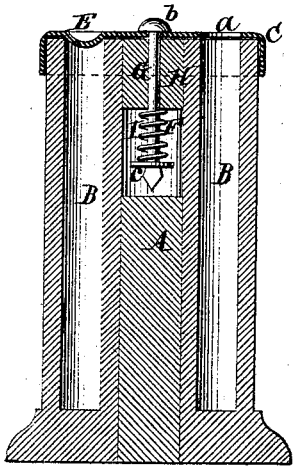


Fig. 2.

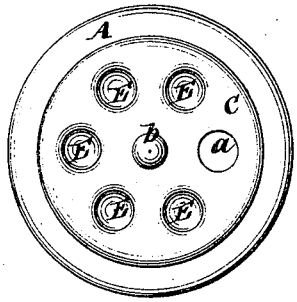
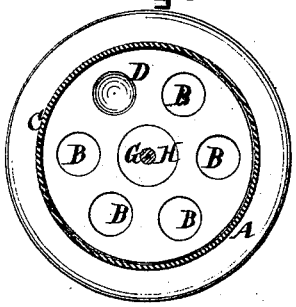


Fig. 3



Witnesses.

Otto Hufeland

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per

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UNITED STATES PATENT OFFICE.

OTTO NAUEN, OF NEW YORK, N. Y.

IMPROVEMENT IN NEEDLE-CASES.

Specification forming part of Letters Patent No. **169,029**, dated October 19, 1875; application filed April 17, 1875.

To all whom it may concern:

Be it known that I, OTTO NAUEN, of the city, county, and State of New York, have invented a certain new and useful Improvement in Needle-Cases, of which the following is a specification:

This invention is illustrated in the accompanying drawing, in which—

Figure 1 represents a vertical section. Fig. 2 is a plan view. Fig. 3 is a horizontal section, showing a plan of the needle-case.

Similar letters indicate corresponding parts.

The invention relates to needle-cases having a series of cells to receive needles of various sizes, and having a cap with an aperture which, when properly adjusted, admits of dropping out the needles.

My invention consists in providing the cap with one or more rounded or inclined protuberances on its inner surface, and combining therewith a spring, which has a tendency to draw the cap down on the case in such a manner that the rounded or inclined protuberances are held in the end of the needle-cells, and by this means act as a stop to prevent the cap from automatically rotating or shifting its position. When the cap is forcibly rotated, in order to adjust its aperture to different cells, the rounded or inclined protuberances spring from one cell to another, and by retarding the cap, indicate when a cell is reached.

In the drawing, the letter A designates my case, which is preferably made cylindrical, and which has a series of needle-cells, B, near the edge. These several cells are designated by figures or characters marked on the side of the case opposite to the cells.

On the top of the case is fitted a cap, C, which has an aperture, *a*, serving to let out the needles from either of the cells when the aperture is adjusted thereto. One of the spaces alloted to the cells B is left blank, or is made with a superficial socket, D, Fig. 3, (to accommodate rounded or inclined protuberances, next referred to,) so that by adjusting the aperature *a* above the blank D, the needle-cells are severally closed by the cap. In the cap are stamped, or otherwise formed, studs or rounded or inclined protuberances E of the diameter, or nearly so, of the needle-cells B. When the cap is secured in place the studs occupy the upper portion of the cells B, and by the action of a spring, F, connected to the cap, and which has a tendency to draw the cap toward it, the studs are tightly held down. The cap, however, is capable of being rotated, and the studs of being sprung out of place against the action of the spring, so that the aperture *a* may be set to different cells. When the cap is rotated the studs E simply spring from one cell to another, the studs and cells being at like distances apart, and by slightly retarding the studs, indicate when a cell is reached. By this arrangement the cap can be adjusted with the utmost facility.

The spring F is connected to the cap C by means of a pin, G, which constitutes a center on which the cap C turns, which has a head, *b*, located above the cap, and a bottom plate, *c*, located beneath the spring. Between the cap and spring is interposed a plug, H, which is cemented or otherwise secured in a hole formed in the case.

In putting the parts together I pass the pin G through the cap C, thence loosely through the plug H, affix the spring F and its stop-plate *c*, and then fasten the plug, when the case is in a finished condition.

It is obvious that a single stud, E, will have the same effect as a number of them, as in the present case shown, and I do not wish to restrict myself to any number.

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

1. The needle-case, having a series of cells, B, in combination with the pins G, spring *f*, and perforated cap C, having flanges overlapping the body of the needle-case, and constructed with one or more rounded or inclined protuberances, E, substantially as described, for the object specified.

2. The combination, with the needle-case, having a series of cells, B, and a perforated cap, having one or more protuberances, E, of the plug H, pin G passing through the cap and plug, and having an enlarged bottom head, and the spring F applied to said pin between the lower end of the same and the plug, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of February, A. D. 1875.

OTTO NAUEN.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.