This invention relates to hypodermic needle sterilizers, and more particularly to a combined needle sterilizer and hypodermic needle-carrying case.

The primary object of the invention is to maintain the hypodermic needle in a sterilized condition at all times, and ready for use, by submerging the needle in a sterilizing bath, while it is being supported within the case.

Still another object of the invention is to provide a carrying case wherein the contents of the hypodermic syringe of which the needle forms a part, will be trapped within the syringe and prevented from escaping, while the syringe is being carried.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts herein-after more fully described and pointed out in the claims, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawing:

Figure 1 is a longitudinal sectional view through a case, illustrating the needle end of a hypodermic syringe as positioned within a base, constructed in accordance with the invention.

Figure 2 is a longitudinal sectional view through the sterilizing case.

Figure 3 is a sectional view through a modified form of the invention.

Referring to the drawing in detail, the device comprises a body indicated by the reference character 5, the body having an open end into which the needle end of a hypodermic syringe is positioned.

The body 5 is formed with a contracted portion 6 dividing the body into a chamber 7 for the reception of the hypodermic syringe, and a chamber 8 for the reception of the sterilizing fluid.

A rubber plug 9 completes the dividing wall within the body 5, and this plug is formed with an opening, through which the needle of the hypodermic syringe, indicated by the reference character 10, is extended. One end of the chamber 6 is closed by the rubber plug 11, the space between the plugs accommodating the sterilizing solution. The screw cap indicated at 12 is fitted on one end of the body portion and engages the plug 11, holding the plug 11 in position. The plug 11 is formed with an opening to receive the needle 10, the opening in the plug 11 being in alignment with the opening in the plug 8, as clearly shown by Fig. 2 of the drawing.

In this form of the invention, it will be obvious that the needle 10 of the hypodermic syringe, is maintained submerged in the sterilizing solution to insure the needle of being ready for instant use. It will also be seen that the case as shown by Fig. 2, provides a support for the hypodermic syringe, to hold the same in such position within the case, that it will not be broken when the syringe is being carried on the person.

In Fig. 3 of the drawing, I have illustrated a modified form of the invention designed preferably for use by dentists, wherein the casing would be supported under normal conditions, on a cabinet or table. In this form of the invention, the body which is indicated by the reference character 13 is supplied with a plug 14 which divides the body into a sterilizing solution chamber 15 and a chamber 16 in which the needle end of the hypodermic syringe is supported.

One end of the sterilizing solution chamber 15 is closed by means of the cap 17 which holds the sealing disk 18 in position. By removing the cap and disk 18, the sterilizing solution may be readily removed or replenished.

From the foregoing it will be seen that due to the construction shown and described, the needle of a hypodermic syringe will be maintained sterile and ready for instant use at all times.

It might be further stated that the rubber plugs or partitioning members are formed with recesses 19 to receive the ends of the syringes which are positioned within the casings, relieving the needles of strain which would be otherwise directed thereto.

What is claimed is:

1. A syringe case having an open end in which the needle end of a syringe is positioned, said case having a contracted portion intermediate its ends, a rubber plug positioned within the contracted portion, dividing the case into a sterilizing solution-containing chamber, a removable rubber plug closing one end of the sterilizing solution-containing chamber, said plugs adapted to grip the syringe needle extended therethrough, supporting the needle with a portion thereof submerged in the solution contained within the compartment.

2. A syringe case having an open end in which the needle of a syringe is positioned, a rubber plug positioned within the case, dividing the case into a sterilizing chamber, a rubber plug closing one end of the sterilizing chamber, a cap for holding the latter plug in position, said plugs having aligning openings for the reception of the needle of a syringe, and said first mentioned plug having a recessed portion forming a conformation of the opening therein, adapted to accommodate one end of a syringe positioned within the case.

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