Aug. 29, 1933. J. GRIFOLS Y ROIG 1,924,785

CANNULA PACKAGE

Original Filed March 16, 1929

Fig. 1.

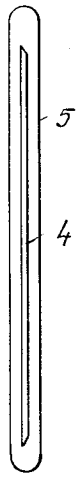


Fig. 2.

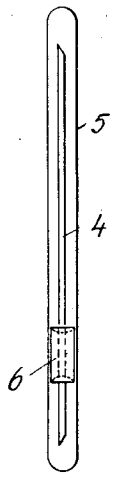
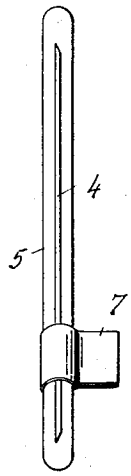


Fig. 3.



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UNITED STATES PATENT OFFICE

1,924,785

CANNULA PACKAGE

José Grifols y Roig, Barcelona, Spain

Original application March 16, 1929, Serial No. 347,572, and in Germany March 24, 1928. Divided and this application October 10, 1930. Serial No. 487,875

2 Claims. (Cl. 206—63.2)

My invention refers to hypodermic needles or cannulas and more especially to means for keeping such needles sterile during storage and for rendering unnecessary any contact of the fingers with the needle during use.

According to this invention a needle having the form of a plain cylinder pointed at either end and devoid of all projections is enclosed in a thin glass tube sealed at both ends. Such tubes can be stored for an indefinite length of time and can be shipped without danger of the needle being exposed to contact with the air and other contaminating media. In use the needle can be uncovered by simply placing the closed glass tube between the jaws of a needle holder or the like which on being forced towards each other will cause the tube to break and both points of the needle to be uncovered.

In the drawing affixed to the specification and forming part thereof a device embodying my invention is illustrated diagrammatically by way of example.

In the drawing

Fig. 1 is an elevation of a plain needle with the glass tube surrounding same,

Fig. 2 is a similar view showing means for fixing the needle in position in the glass tube and

Fig. 3 is another elevation showing means for handling the tube without its coming in contact with the fingers of the operator.

Referring to the drawing, 4 is the double pointed needle or cannula and 5 is the thin-walled glass tube closed at both ends and surrounding the needle. Obviously the size of this tube may be considerably smaller than shown in the drawing, the main thing being that the needle is safely enclosed in the tube.

In the modification shown in Fig. 2, 6 is a stopper of glass, cement or the like surrounding a small portion of the needle and fixed in the tube in such position as to prevent contact of the needle points with the tube.

As shown in Fig. 3 a small handle 7 formed of a folded strip of paper or the like is held in position on the glass tube by gluing.

By placing the middle portion of the tube in position between the jaws of a needle holder or the like and forcing these jaws toward each other the tube will be broken and the needle gripped between the jaws, so that there is no necessity for touching the needle with the fingers.

I wish it to be understood that I do not desire to be limited to the exact details of construction shown and described for obvious modifications will occur to a person skilled in the art.

I claim:

1. A package comprising a cannula or like medical instrument and a thin-walled, sealed envelope enclosing the same, said envelope being of shatterable material and its walls being sufficiently thin to be readily crushed by the jaws of a pair of small physician's forceps, without crushing the enclosed instrument.

2. The package of claim 1 wherein the envelope is of glass and which also includes means within said envelope and surrounding said instrument for preventing contact of the point of said instrument with said envelope, said means being fixed to the inner surface of said envelope.

JOSÉ GRIFOLS Y ROIG.