

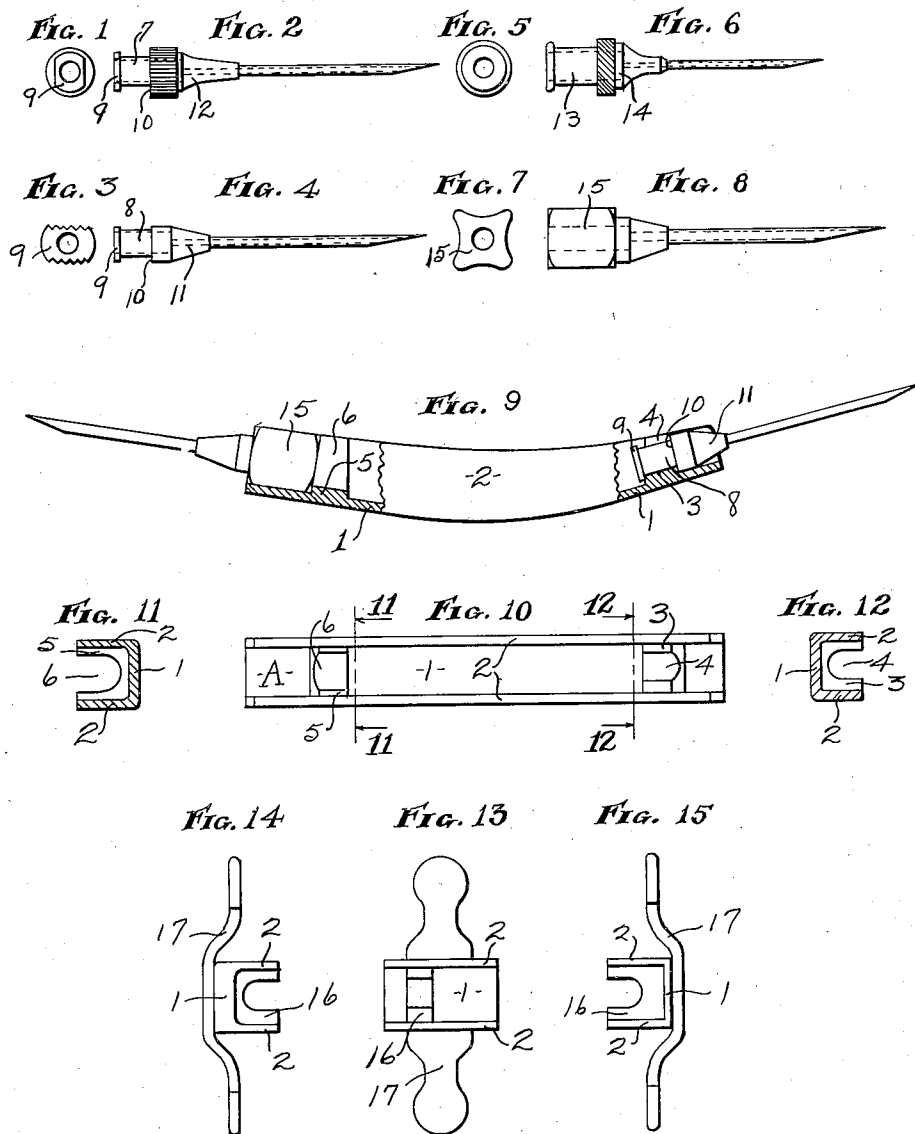
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HOLDER FOR HYPODERMIC NEEDLES

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HOLDER FOR HYPODERMIC NEEDLES

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2 Claims. (Cl. 128—347)

My invention relates to improvements in a holder for hypodermic needles.

The object of my invention is to provide a holder with means to receive varying forms of the hubs of hypodermic needles.

A further object of my invention is to provide a holder that will receive the hub of the needle snugly seating therein and removable therefrom without friction but retained against longitudinal movement for thrust of the needle.

A still further object of my invention is to provide an inexpensive holder, efficient and durable to receive the hub of a hypodermic needle.

These and other objects will hereinafter be more fully explained, reference being had to the accompanying drawing forming a part of this specification, and in which like characters will apply to like parts in the different views.

Referring to the drawing:—

Figs. 1 to 8, inclusive, are illustrations showing a side and end view of well known types of hypodermic needles.

Fig. 9 is a side view of the holder, partly in section with a hypodermic needle seated in each end thereof for convenience of description.

Fig. 10 is a plan view of Fig. 9.

Fig. 11 is a sectional view taken on line 11—11 in Fig. 10.

Fig. 12 is a sectional view taken on line 12—12 in Fig. 10.

Fig. 13 is a plan view of a modified holder.

Fig. 14 is one end view of Fig. 13.

Fig. 15 is the other end view of Fig. 13.

My invention herein disclosed consists of a holder comprising a body portion having a bottom 1 and sides 2 forming a channel arcuate in form.

Spaced inward a short distance from one end is a seat 3 having a slot 4 extending from the outer portion inward. On the other end of the holder is another seat 5 spaced a greater distance from its respective end of the holder, and having a slot 6 of greater magnitude than slot 4. The said seats are adapted to receive the hub of a hypodermic needle varying in form similar to those disclosed in Figs. 1 to 8, inclusive.

Seat 3 is adapted to receive needles having hubs similar to that shown in Figs. 1 to 4, inclusive, the hubs of which have necks 7 and 8 respectively, and on the outer end of which is a flange 9. The neck portion adapted to seat in slot 4 as shown in Fig. 9, the flange and shoulder 10 of the hub 11 fit closely to their respective sides of the seat to avoid longitudinal move-

ment when thrust or withdrawn from an animal. Hub 12 will seat in like manner to that of hub 11 above described.

The slotted seat in the other end of the holder is adapted to receive a neck 13 of its respective hub 14 in which instant said neck is of greater diameter than those illustrated in Figs. 2 and 4, furthermore, said seat last referred to is positioned inward from the outer end sufficient to receive the hub 15 of the hypodermic needle illustrated in Figs. 7 and 8, each side of the said hub being concave as shown in Fig. 7 and adapted to seat loosely in the rectangular portion as at A, the ends of the hub abutting the outside of the seat to avoid inward movement when the thrust of the needle is made.

It will be understood that the needles are hollow, also their respective hubs with which the hollow communicates, by which means when the holder is removed after incision of the needle into the blood vein of an animal, the holder is quickly removed for the purpose of receiving the blood passing therethru in a vial for future test as to the physical condition of an animal.

It will also be understood that the hub of the hypodermic needle is retained when seated in the holder by the pressing of the thumb thereon, while the holder is gripped with the hand, the arcuate form conforming neatly to the natural position of the fingers when gripping the same.

The holder illustrated in Figs. 13, 14, and 15 is a modification and adaptable to receive hubs of different form, the seat 16 being spaced a short distance from one end thereof for the reception of a needle similar to that shown in Figs. 2 and 4, and inasmuch as the hubs illustrated in Figs. 3 and 4 are flattened, I have reduced the outer end of the channel in depth approximately in keeping therewith, the other end being of sufficient size to receive the hubs of needles shown in Figs. 6 and 8, the outer end of each abutting against the wall of the seat element.

Transversely attached to the under side of the channel portion of the last described holder is a bar 17 integrally connected thereto, the said bar functioning as a handle for the fingers, while the thumb is compressed on the hub of the needle when making a thrust, and such other modifications may be employed as lie within the scope of the appended claims.

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

1. In a holder for hypodermic needles, a channelled body portion, a slotted seat positioned near

one end of the channel integral therewith, the channel varying in depth with respect to each side of the seat, a bar element secured to the back of the channel transversely crossing the same.

- 5 2. In a holder for hypodermic needles, a channeled body portion, a slotted seat positioned in

the channel integral therewith, means cooperative with the channel to retain a hypodermic needle in operative position when the thrust of the needle is made for the purpose specified.

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