

CIRCULAR *RE* VACCINATING OUTFIT FOR THE ADMINISTRATION OF ANTHRAX AND BLACK-LEG VACCINES.

The anthrax and black-leg vaccines prepared at the Biological Laboratory are dried on braided silk threads, and require a special instrument for their administration.

The outfit consists of a handle and two inoculating needles. The handle of wood is hollow, and the needles are placed in this recess for protection during shipment and when they are not in actual use. The needle is of special construction, with a bayonet point and a small hook about one-half inch from the sharp end.

METHOD OF VACCINATING.

The needle may be dipped in alcohol before each vaccination, and allowed to thoroughly dry before engaging a thread of vaccine. If disinfectants, such as carbolic acid or creolin, are used on the needle, the virus on the thread will be destroyed, in consequence of which the vaccination will be of no protective value to the animal.

The needle is placed in the holder, the ferrule is screwed down tight to securely hold the needle, and the outfit is ready for use. The stopper of the vaccine container—to which the vaccine is attached by means of a spring clip—is removed from the vial and reversed. The fine hook of the needle is passed through the braiding of the silk and by a slight pressure away from the spring clip, the thread of vaccine is removed from the clip and remains on the hook of the needle. With the thread of vaccine on the hook of the needle, the site of inoculation on the animal having been properly prepared, the skin is grasped with the free hand and the needle carrying the thread is forced under the skin parallel to the body of the patient. When the thread is lost from sight the needle is removed, leaving the vaccine beneath the skin, and the process of vaccination is complete.

The price of the vaccinating outfit is 50 cents.

The price of vaccinating needles separate from the handle is 25 cents for two.

The price of anthrax vaccine is 5 cents per dose.

The price of black-leg vaccine is 5 cents per dose.

Vaccinating outfits and vaccines may be obtained by applying to the Veterinary Director General, Ottawa, Canada.

F. TORRANCE,

*Veterinary Director General.*

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