NOTE.—The containers hold the units listed, irrespective of the quantity.

No. 1. No. 2.

Directions for Administration.—The antitoxin is injected hypodermically. Whether in its liquid or dry form, the vials must be thoroughly sterilized. The following method is recommended for vials of serum with rubber or leather stoppers; it is applicable to any other form. Wash out the syringe and needle repeatedly with 5-per-cent. carbolic acid solution. Then fill the syringe in a small dish of the carbolic acid solution until it is ready to use. Now wash out the syringe once or twice with recent boiling water. Replace the needle in the vial, as this may be done from one end to the other. Then draw the serum into the syringe, as before, and inject the contents into the syringe. If an ordinary hypodermic needle is used for filling the syringe, a little serum will be left in the bottom of the syringe, which may be avoided by using an old needle which has had the bevel broken off or filed off. Draw all the serum into the syringe that will go, then remove the needle from the syringe and inject it, and, with the point of the needle in the neck, the last drop of the serum will enter the syringe.

A reader may find the following paragraph valuable in the use of the Filling Needle. In the usual manner, the volume of each vial contains the same amount of serum as the syringe. This needle is not for the use of any other purpose than drawing the serum from its container (bulb or vial, as the case may be); it should be sterilized after each use.

No. 3.

Inject the antitoxin fairly deeply, and slowly, into the subcutaneous tissue; close the opening made by the needle with iodoform gauze. In mild or uncomplicated cases, either in adults or children, or in the severe large cases, 100 or 200 units should be used.

No. 3.

Local Treatment.—This must not be neglected. Probably the best local treatment is the swabbing of the throat with Loeffer's solution. This is a powerful germ-destroying solution. The solution can be applied with a large camel's-hair brush, or with a cotton swab. Be very careful to shake the swab or brush before applying, so that drops of the fluid cannot fall into the larynx. The hours must be even, immediately after the injection of the serum. Croup cases may appear, and strict local and manual, and occasionally manual, care is necessary.

Constitutional Treatment.—With the serum treatment and with local treatment locally, it is no longer a constitutional or constitutional treatment for the disease itself. But the local therapy must be added to, and a culture and a killing must be done in every case.

In cases of great severity it is better to inject the remedy at once, and make a culture at the same time for bacteriological examination, than to delay the treatment until a positive diagnosis has been made by bacteriological means.

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SYRINGES:

Serum Syringe.—We recommend, for the injection of Anti-diphtheritic Serum Syringe No 1, which has a capacity of 6 cc. It is supplied in a leather, calf-lined case, containing three small syringes for each.