

cases in which a bandage tied around the arm will be found of great assistance.

Having selected the vein, draw the skin slightly upwards over it and make an incision about an inch long along its upper margin. Allowing the skin to fall back into place, the incision will be found over the centre of the vein. This is done to avoid prematurely wounding the vein. By a little dissection the vein is isolated from the subcutaneous tissues. Grasp the vein with an artery forceps in the lower angle of the wound. This forceps takes the place for the present of a ligature to the distal end of the vein.

While I am doing this, an assistant has been preparing the solution, i.e., bringing it to the proper temperature (110 F.) In the absence of other means, I judge the temperature fairly accurately, by pouring a little over my bare arm. Water at 110 F. can be borne on the bare arm. The assistant fills the funnel with the solution and holds it about four feet above the patient's arm, before I proceed with the next step, viz. opening the vein. To do this, some recommend to sever the vein entirely across. The only occasion I did this I found it very inconvenient. It necessitates holding on to the severed ends, the employment of more instruments to do so, and in spite of all precautions the frequent losing of the proximal end and the consequent loss of time in searching for it.

The method I always follow is to make either a transverse or a longitudinal incision in the vein wall. The escape of blood tells me all the coats of the wall have been penetrated. Now taking the canula in one hand and with the other manipulating the vein into position by the forceps attached to it and allowing the solution to flow on my arm to satisfy myself of the correct temperature, I then insert the point into the incision in the vein. Allowing the solution to flow over the wound for a few seconds clears the field of blood excepting the small stream marking the cut in the vein wall. The point of the canula is inserted into the vein with the stream running. The assistant keeps the funnel supplied with fluid, refilling while there still remains about an ounce of fluid in the funnel. Before refilling