A SIMPLE ETHER APPARATUS.

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The apparatus illustrated is very simple, cheap, and efficient. It is all that is really required for any operation if the administrator desires to administer the anaesthetic through the nose or mouth.

The procedure is as follows:

First, fully induce anaesthesia by the open ether or open ethyl chloride-ether sequence. The bottle containing the ether is 12 ounces, but may be of less size if desired. Into this bottle is placed about three ounces of ether. The bottle is stood in a bowl containing hot water 105-110 degrees. The anaesthetist then gently squeezes pressure bulb D, and holds metal nasal tube, or No. 8 catheter, or Davis gag, whichever he may have attached to the 4 ft. rubber exit tube, to his nose and smells if the ether vapour is coming away freely. Having ascertained this, he inserts the nasal tube into the nostrils, or the No. 8 catheter or Davis gag into the mouth, and presses intermittently on the pressure bulb. It is quite unnecessary to use very forcible or rapid pressure on the bulb. It is only necessary to press the bulb intermittently at intervals for a few seconds or even a few minutes, when the patient is under. The amount of ether used is very small, as every drop must go to the patient and none is wasted—three to four ounces in an hour should be ample.

No liquid ether can enter Exit Tube E, as it extends only just through the rubber cork.

Inlet Metal Tube F extends to within a quarter of an inch of ether but not right into the liquid.

The method gives excellent abdominal relaxation with quiet regular respiration. The apparatus can be used for any operation about head, neck, throat, etc.
A—Metal nasal tube; B—No. 8 catheter for administration through mouth; C—12 oz. bottle with 3 oz. of ether; D—Pressure bulb attached to inlet tube; E—Inlet metal tube comes to within half-inch of ether; F—Exit metal tube only just through cork (rubber); G—4 ft. rubber tube attached to exit tube. Davis' gag can be attached to this tube for mouth operations in place of catheter.
A Simple Ether Apparatus

The Davis gag is better than No. 8 catheter for throat work.

The metal nasal tube can be used for any class of case except nose work.

The whole outfit can be made for less than 15/- . There are no stop-cocks or valves to take up attention. Towards the end of the operation the ether is emptied out, and air administered by means of the apparatus. It is simply a method of conveying ether vapour to the patient, free entirely from any electrical connections or complications of any sort, and is all that is required if a man knows his work.

A little chloroform may be added to the ether if the anaesthetist desires, but I have never found this necessary. The warm ether is sufficient.

If the anaesthetist should start to use this method before the patient is fully anaesthetised he may find that, on inserting the nasal tube, or the Davis gag, the first onrush of ether may cause the patient to cough. For this reason the patient should be fairly well anaesthetised before inserting either of the above.

A—Metal silver-plated nasal tube.
B—No. 8 metal catheter for administration through mouth.
C—12 ounce bottle, containing three ounces of ether.
D—Pressure bulb attached to inlet tube.
E—Exit metal tube only just through rubber cork.
F—Inlet metal tube which passes through rubber cork to within a quarter of an inch of ether surface.
G—Four foot rubber tube attached to exit tube, to which can be attached either metal nasal tube, No. 8 metal catheter, or Davis gag, as desired.