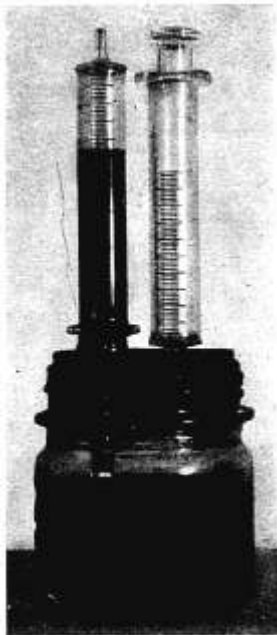


CURRENT COMMENT AND CASE REPORTS

CURRENT COMMENT is a new department in ANESTHESIOLOGY. In it will appear invited professional and scientific correspondence, abbreviated reports of interesting cases, material of interest to anesthesiologists reprinted from varied sources, brief descriptions of apparatus and appliances, technical suggestions, and short citations of experiences with drugs and methods in anesthesiology. Contributions are urgently solicited. Editorial discretion is reserved in selecting and preparing those published. The author's name or initials will appear with all items included.

AN OXYGEN ANALYZER FOR HOSPITAL USE

The apparatus here described and illustrated is offered as a modification of the St. Luke's model described by Andrews and Roth. The long glass tube is here replaced by the barrel of a 10 cc. syringe. The advantages of this substitution are: (1) the apparatus is more com-



compact and easily carried; (2) there is less danger of breakage; (3) readings are more easily obtained with no appreciable loss of accuracy; and (4) no sliding, hand-made scale is used.

The apparatus is standardized each day by either or both of two methods. In the first method, 10 cc. of helium is injected and the zero level is thus obtained. In the second method, the 21 per cent level is determined by injecting 10 cc. of air. For all subsequent tests, each cubic centimeter represents 10 per cent, since it constitutes one-tenth of the volume injected. The upper level of the meniscus is read throughout. No balloon, as described by Andrews and Roth, is used in this model, as the exposed opening in the piston of the barrel is very small.

The jar pictured is a half-pint fruit jar. The rubber stopper is size 12.

The apparatus is useful in checking the oxygen concentrations in oxygen tents. It has been used here, however, very largely in determining the oxygen concentrations of gaseous mixtures used during anesthesia. Accurate readings have been obtained in one and a half to two minutes.

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