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Apparatus for Nitrous Oxide, Oxygen, and Ether.

Shown by F. E. SHIPWAY, M.D.

AN attempt is made in this apparatus, which is a modification of that devised by Dr. G. Marshall, to combine easy control with portability. It can be packed with two 50-gallon N_2O cylinders and one 15-gallon O_2 cylinder into the bag which is made to hold Hewitt's gas-oxygen apparatus, and is quickly assembled.

The stand consists of (1) a wooden base and an upright rod (made up of three lengths which slip into one another) which carries a steel three-ringed holder for the gas cylinders, and (2) a unit-consisting of the mixing chamber and ether bottle. The bottles in the latter are interchangeable, and the unit carries a hook which can be slipped over the back of a chair, or hung on the rail of a bed. The height of the apparatus can be altered at will, by removing one or more of the upright sections; it can be used with the base standing on the floor, or on a table or chair. It takes three cylinders in the upright position, two of N_2O , and one of O_2 ; either vertical or horizontal cylinders can be used of 25, 50, or 100-gallon capacity, so that the anæsthetist can use any combination he thinks desirable. If a vertical bottle is used in the centre, the bayonet-shaped section of the upright allows of the use of a