

**M0009852: Wellcome Historical Medical Museum display: "Clover's chloroform apparatus"**

**Publication/Creation**

06 February 1947

**Persistent URL**

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# CLOVER'S CHLOROFORM APPARATUS



This apparatus was shown by J. T. Clover and was exhibited at the International Exhibition of 1892. A description of it appeared in the *Medical Journal and Quarterly Review of Blue Jay*. This apparatus insured that only a few percentages of chloroform vapor could be inhaled by the patient.

Inhalation was carried out from the reservoir bag, which had a stopcock of copper and was sufficient for several administrations.

In order to fill the bag, it was attached to the upper part of the generator and below by means of a flexible tube. At each stroke of the bellows 500 cubic inches of air were drawn through the vaporizing chamber into the bag. 50 strokes of the bellows were enough to fill the bag. The vapor was injected by the syringe into the chamber, and the patient inhaled the air from the bag. A 45 cubic inch reservoir bag was used for the purpose of the air.

When in use the flexible tube of the bag was connected to a face-piece and the bag drawn over the shoulder of the generator. The concentration of the vapor could be still further reduced by means of an adjustable air-valve on the face-piece.

In the apparatus shown the face-piece is probably slightly larger than that used in the apparatus as it is fitted with the respiratory valve, which was not needed with certain valve apparatus mentioned in a closely fitting face-piece.



J. T. CLOVER  
M.D.  
1848-1918