an ordinary atomizer.

THE DECOMPOSITION OCHLORIC ACID.

Fig. 15 shows a piece exparately, and pass into the eudiometer.

I(D)

as in Fig. 15. Leavering. 15).

slip up and dow The apparatus can-

easily, without pelnot be used without apparatus is filled. Us stand. Figs. 16 ut one inch long, for elecand 17 show convend (d). Make a groove in tent stands for this wire, and insulate the wireurpose. Take two stoppers, through whice locks of wood of g of the tubes (a) and (d)

it is difficult to insert the Vhen making the gases (in the dark, if necessary) invert the the bottle after it has bee test-tube in (c), so that the sealed end will come down nearly to the carbons. Now incline the apparatus, and the mixed adiometer it might be courses will pass up (b). Attach a drying tube, rubber tubing es, but it is not absolute and bulb (as in Fig. 14a), and pass the gases into the eudiomea rubber tubing with bul ter and explode. Thus it will be seen that the analysis and are of the drying tube, an synthesis of a compound may be shown in one experiment. her end by pressing on the this cannot be done unless the gases come off in the proper ear the end, and let the airroportions. When decomposing hydrothloric acid, some If valves are used on the ext-books recommend mixing one volum of concentrated hydrochloric acid with ten volumes of a saturated solution of common salt. This is not satisfactory, unless the current passes through the mixture until it becomes thoroughly saturted with chlorine, which takes considerable time. In most the decomposition of water ses it will be found more convenient to prepare the gases

which may be used for the The best method of filling the apparatus is to put a stopper subing about the size of in the aperture (a), put the test-tubes into place; pour the test-tube or dryin plution into (b), slightly tilting, until completely full. tube, and have mad lowly slip the electrodes into position, as in the diagram

tubes (a), (b), (c) and Should the apparatus be used to decompose salts, fuse (d) open. Have fitte pieces of platinum, one inch long and half an inch wide, to into (b) and (c) two opper wire, and insulate the wire. Place the platinum tips uniform test-tubes the apertures (a) and (d). This apparatus can be cheaply equal size which wi made by any glass-blower. It prevents leakage, etc.

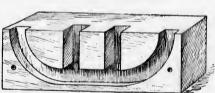


Fig. 16.