

APPARATUS.

A Simple Method of Protecting Platinum Wires fused into Glass Tubes.
A. Rosenheim. (*Berichte*, 1899, xxxii., 2570, 2571.)—The device adopted by the author to prevent platinum wire fused into glass from being broken is shown in the accompanying figures.

The platinum wire *D*, fused into the vessel *A*, is surrounded on the exterior by a glass tube, *R*, fused on to *A*. This tube is partially filled with mercury, *Q*, in which is immersed the connecting wire, *L*, of the battery. In Fig. 2 and Fig. 3 the tube *R* is adapted for the protection of a wire fused into the side or bottom of a vessel. The tube (Fig. 3) can be easily filled with mercury with the aid of an air-pump. In order to prevent the mercury from being spilled, the opening of the tube may be narrowed, as shown in Fig. 2.

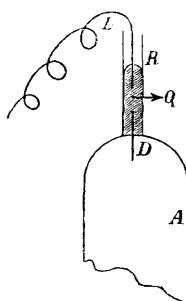


Fig. 1

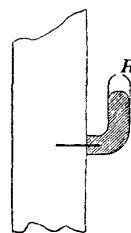


Fig. 2.



Fig. 3.

C. A. M.