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modern dental

art. When we take into consideration that our whole system of crowning, comprising upwards of twenty-eight various methods, are almost entirely dependent upon the cements for their proper adjustment, will it not be glaringly apparent that either we are guilty of falsifying to our patients in representing the permanency of bridge work and all our crown work, else those who challenge the durability of an improved modification of the same principles, are blindly prejudiced.

However, in order to accommodate the most incredulous, the following devices may be of interest: (See Fig 1, Plate VII.) The

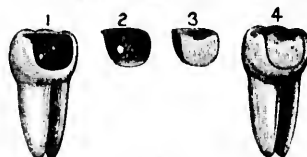


PLATE VII.

cavity No. 1 is lined with a gold matrix as represented at Fig. 2. This has been formed by burnishing a piece of platinum foil into the cavity. It is then removed and gold plate fused over the surface by the aid of the blow-pipe. This will form a gold and platinum lining that conforms to the exact outlines of the cavity. A hole is drilled in the center, through which a screw passes as shown in Fig. 1. The screw is provided with a shoulder, which is intended to force the matrix on to a solution of gutta-percha, or it may be asphaltum, sponge gold, Robinson's felt foil, or any other indestructible material. The object is to first establish a thoroughly reliable foundation for the section of porcelain as seen in Fig. 3. Fig. 4 indicates the completed work, the section being secured with oxy-phosphate cement. The latter material being between two indestructible surfaces, will be of little consequence if a portion should become disintegrated.

Fig. VIII illustrates an incis-
or manipulated in the same
manner. Fig. 2 in this drawing
illustrates the matrix, 5, adjusted
over the screw post, as seen in
Fig. 1. Fig. 3 is the completed
tooth crown, which is made in the

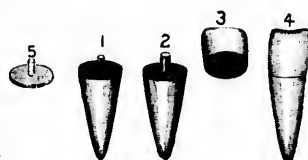


PLATE VIII.

following manner: The matrix, 5, forms the base or support on which to build the porcelain body. This, when mixed with a sufficient quantity of rain-water—preferred on account of having no lime in it, or distilled water can be had of your druggist—to form into a stiff putty or paste, in this plastic condition the body can be moulded or carved into any desired shape. The body is built on the matrix, 5, in the shape as seen in Fig. 3. It is then