

PLATE IX.

*Luffaria variabilis*, n. sp.

Fig. 1. A colony of three specimens of elongated shape ; natural size.

Fig. 2. Portion of the skeleton of one of them ; somewhat magnified.

Fig. 3. A specimen of massive shape ; natural size.

Fig. 4. A horizontal section through the skeleton of one of its outgrowths ; natural size.

Fig. 5. Portion of this latter section ;  $\times 14$ .

Fig. 6. Some of the finest skeletal fibres ;  $\times 100$ .