

Bacteriological examination of the disease present in the different varieties showed that we were working with the same bacterial disease. The amount of disease present is shown in the following list of varieties :—

*Immune* : Jersey Navel.

*Less than 5 per cent. Rotted* : Greystone Improved, Purple Top Mammoth, Early American Purple Top, Red Top Strap Leaf, White Flat Dutch Strap Leaf, White Egg, White Lily, Warly La Crosse, Red Top White Globe, Rennie's Selected White Globe, White Top Strap Leaf, Hunter's Purple Top Globe.

*Between 5 and 15 per cent. Rotted* : White Stone, Cow Horn, Yellow Stone, Green Barrel, Lutton's Imperial Green Globe, White Six Weeks, Milk Globe, Orange Sweet, Long Tankard, Sutton's Favorite P. T. Yellow Hybrid, Sutton's Perfection Green Top Hybrid, Yellow Finland, Large White Norfolk, Sutton's Purple Top Scotch.

*Between 15 and 30 per cent. Rotted* : Early Purple Top Murrich, Pomeranian White Globe, Red Globe Norfolk, Purple Top Hybrid, Jersey Lily, Early White Model, Extra Early Milan.

*Between 30 and 50 per cent. Rotted* : Orange Jelly, Imperial Green Globe, All Gold, Yellow Globe.

*Between 50 and 65 per cent. Rotted* : Yellow Aberdeen Green Top, Yellow Aberdeen Purple Top.



Fig. 1. A healthy canliflower plant: uninoculated and grown under the same conditions as the inoculated plants.