

not bring back, and whose absence prevents the development of the microscopic organism. I have no doubt that this explanation, to which we are led by palpable facts in this case, will be found to be generally applicable to all virulent diseases.

It must appear superfluous to point out the principal consequences of the facts which I have had the honour to present before this Academy. There are, however, two of these which may be mentioned. One is, that we may hope to obtain artificial cultivations of every virus, and the other is, the idea of obtaining vaccines of the virulent diseases which afflict humanity, and which are the greatest plague of agriculture in the breeding of domestic animals.

(Communicated by Dr. Girdwood.)

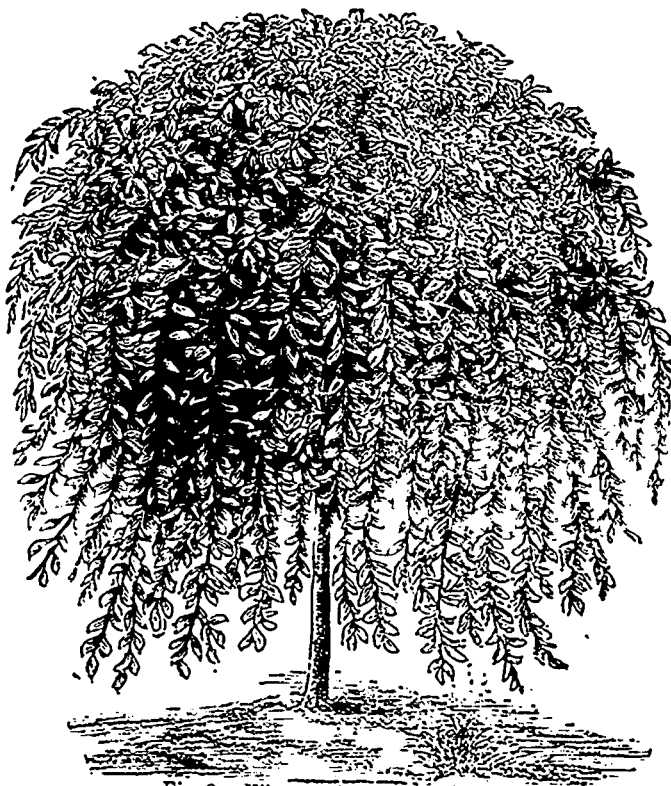


Fig. 2 — Kilmarnock Weeping Willow.

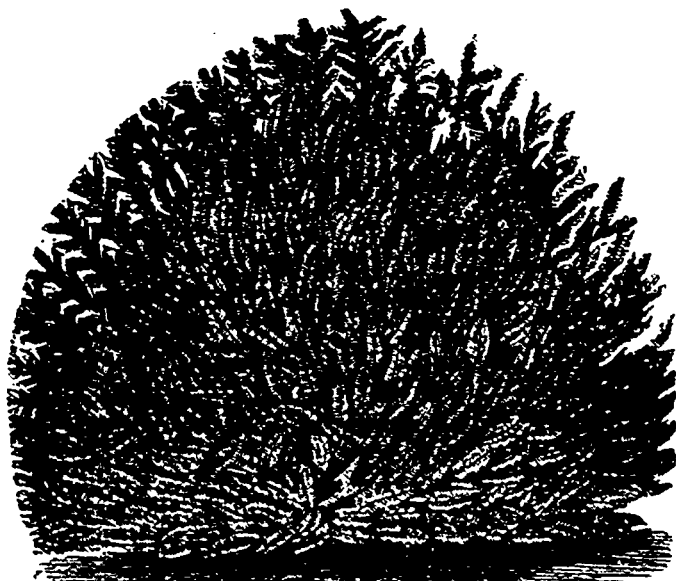


Fig 10.-- American Arbor vitae—White Cedar

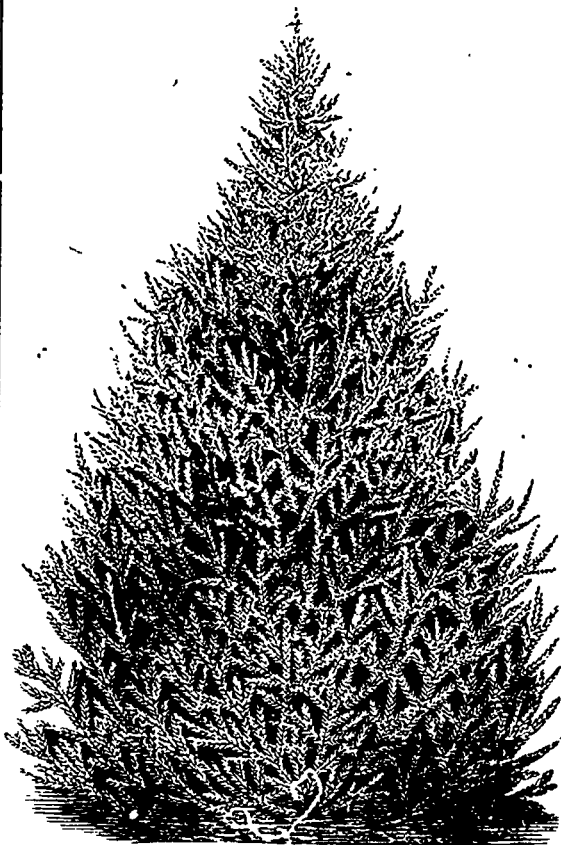


Fig 7 — White spruce



Fig. 8.—American Black Larch.