

Hope, these trees altogether changed the climatic conditions of the unhealthy forests in that colony, and miasma disappeared as if by magic. In the Campagna of Rome, the marshy exhalations have been nearly destroyed in many places, and in the fen districts of England the paludal fevers have been diminished by this natural therapeutical agent. An instance is recorded from Sussex, where a malarial fever, brought from Rome, ceased to reappear after the gentleman planted a few of these trees under his casement window. Dr. Bertherand, who received reports from thirty localities in Algeria, writes in equally favourable terms of this tree. At the great iron mines of Mokta-el-Hadid, the first set of workmen perished from miasmatic causes, but when, from 1368 to 1870, some 100,000 of these trees were planted by the Company, the next batch of men were able to reside altogether upon the premises. Another case is cited, concerning a farm some twenty miles from Algiers, where 13,000 of the Eucalyptus trees were planted during the commencement of the year, and when the regular fever set in, not a case occurred in the near neighbourhood. The effect is said to be due to the rapidity with which they absorb moisture, and also to the presence of an essential oil which is exhaled from the leaves, and which is freely emitted when there is a breath of wind. It is a fast growing tree, and will attain in seven summers the height that an oak tree can only reach after a lapse of twenty years.

One word more, and that is to the equally happy effects produced by some flowering plants—the sunflower, for instance. This will absorb impure gases and nitrogen quicker than any other known plant, and will evaporate as much as a quart of water daily. On the banks of the Scheldt, a landowner who sowed the plant extensively on his estate, escaped altogether the miasmatic fevers which prevailed on the estates all around him. General Sherman, who also grew the sun-flower extensively on the Roman marshes, noticed upon one occasion that a village close by his residence was visited by fatal attacks of fever, but that owing to the sixty plants which he had sown in his garden, his house altogether escaped. These are well authenticated cases, and ought to make us reflect. Nor are mere flowers to be despised, for, according to Professor Mantegazza, the active principle of oxygen, which is ozone, and an oxidant, disinfectant and deodoriser combined, is generated largely by all plants possessing aromatic odours, and is thrown off under the sun's rays. The scent given off also by lavender, sage, and rosemary, is said to be efficacious in cases of plague. Assuredly we are only in the very alphabet of economical botany.—*Sanitary Record*.