

itive, and clearly indicates that absence of moisture prevents decomposition of organic material, or, in other words, desiccation takes the place of putrefaction.

Dr. G. Bayles, of Orange, N. J., in 1874, brought before the Public Health Association the method of disposal of the dead by desiccation. He tersely remarks: "I can hardly conceive it necessary, therefore, in presenting the subject, to centre all our thoughts and experimental operations upon one method, and that a reduction solely by means of fire. Has modern chemistry no other resources? Have our electrologists no practical ideas to present, drawn from their magazine of power? Why may there not be a system of thorough desiccation? The desert sands have buried and desiccated many thousands of unfortunate travellers as well as their camels. We have an unbroken and reliable chain of evidence, sufficient in itself to establish the fact that by excluding moisture and guarding against excessive changes of temperature we can effect desiccation upon *whole* bodies, and that they would continue entire and inoffensive for a length of time which we cannot measure."

The seed sown by Dr. Bayles fifteen years ago did not fall upon stony ground, as to-day it is bringing forth fruit. The desiccating method, as a proper means for the disposal of the dead, is now engaging the attention of many sanitarians and scientists, and in due time will be presented for public attention and investigation. In this process, as now conducted, the corpse is placed in a chamber constructed with pipes so arranged as to bring fresh dry air into them and conduct it through the casket, and by forced draughts through a central furnace, where all the gases and fluids taken from the body are consumed. The air-current is sufficiently rapid to make an entire change in the space every two seconds. When desiccation begins, the chamber containing the body is hermetically sealed, excepts as respects the inlet and outlet passages for air, which are closed when the process is completed. It is intended to deposit the desiccated remains in mausoleums which are to be constructed with a view to durability of material,

and protection from ghouls. The desiccating method has for its basis the fact that in all animal tissue water is present in greater or less proportion, forming about two-thirds of the weight of the whole body. A man weighing 165 lbs., if completely dried, would therefore lose about 110 lbs. from the evaporation of water. An opportunity was lately afforded me of inspecting and examining the body of a man undergoing the process of desiccation. The remains lay in a glass-covered metallic case, having been placed therein about nine months ago, and at that time weighed 160 or 170 lbs. Judging by the dried-up appearance of the body, I presume that to-day it does not weigh over 60 lbs. The muscles of the trunk, and especially of the extremities, are shrunken and hard. The integument is dry and feels leathery to the touch. The countenance looks natural. There is no discoloration of the cuticle and no evidence of any decomposition. A current of ordinary air is admitted to the casket at one end, it freely circulates around the body, and escapes through a tube, placed at the other end, into a chimney or furnace through which all the volatile products pass before mingling with the atmosphere.

The desiccating process has many commendable features. It complies with all the sanitary requirements, and meets the medico-legal demand that the evidence of crime shall not be destroyed. The rapid abstraction of moisture by this method will do away with the factors in the production of ptomaines which might vitiate the result of a chemo-legal examination. This system is devoid of everything that can shock sensitive minds or offend refined tastes. It does not conflict with the widespread and deep-seated reverence felt for the remains of the dead. The mass of mankind looks not only with aversion but with feelings akin to horror on any process that aims at the immediate destruction of the body. This may be all sentiment; nevertheless no amount of specious reasoning can readily or easily overcome the tender and universal deference for the beloved departed, for it is woven into the very warp and woof of the human heart, and has the religion,