

ON THE ORIGIN AND FIRST CAUSES OF THE GRAPE AND POTATO DISEASES.

At the German Association of Naturalists, Dr. Gümpel, of Landau, read a paper "on the Cells, with reference to the origin and first causes of the Grape and Potato Diseases." The author considered it his duty to lay before the meeting the result of his careful investigation respecting the cause of these diseases. After tracing the progressive steps of the scientific discovery, three of which he specially alluded to,—the researches of Aristotle, the discovery of painting, and the invention of the microscope,—he attributed to the latter our knowledge of the cells and cellular structure of plants. The great element in the development of vegetable life is pollen, (Blüthestaub.) The pollen is the great cause of the disease or death of plants; the sound or unsound condition of the pollen influences the whole growth of the plant. The pollen is carried in every direction by the winds; it attaches itself to the leaves, or it falls on the ground. There it bursts, and again distributes its mischievous effects, if unsound, on all around. Thence the difference in the time when the disease shows itself on the grape and potato, as it can only appear after the flowering, on which depends the healthy or unhealthy state of the plants. He did not explain when the pollen first became diseased, but he thought it might be in the bud. At all events, he concluded, we have now no more mysterious enemy to deal with, and need not fear the existence of a mysterious, unseen, unknown foe in the air.



HOLLOWAY'S OINTMENT AND PILLS.

Glandular swellings in the throat, neuralgia, tic doloureux, rheumatism, gout, lumbago, and other diseases affecting the glands, muscles, and nerves of sensation, are permanently eradicated by the persevering application of this healing, anti-febrile, pain-destroying preparation. Irritating eruptions, running sores, open wounds, burns, scalds, the bites of venomous insects or reptiles, and, in short, all the varieties of superficial inflammation, soon lose their angry and painful character when treated with Holloway's Ointment. The Pills have never yet been administered in dyspepsia, liver complaint, or disorders of the bowels, without producing the desired results.—Office 80 Maiden Lane N. Y.