

have endeavoured to overcome this difficulty. Their process consists in preparing pure valerianic acid and ammoniacal gas, and then uniting the two bodies. In proportion as the combination takes place the salt crystallizes in a confused form, but under the microscope, four-sided prisms, either terminated in pyramids or bevelled at their extremities, are distinctly seen. The valerianate thus obtained has been analyzed by a commission of the *Academy of Medicine*, and its purity has been ascertained.

The following is the formula: Take monohydrated and pure valerianic acid; place it in thin layers in a flat capsule, covered with a perfectly fitting receiver; let anhydrous ammoniacal gas pass into the receiver, until the valerianic acid is saturated; preserve the valerianate of ammonia in small portions, in well-stopped bottles.—*Bull. Gén. de Thérap.*, tom. 52.

14. *Formula for a Liquor Cinchonæ to replace the Wine of Bark*.—M. DESCHAMPS proposes the following: Alcohol, s. g. 833, five ounces; water, twenty-seven ounces; sulphuric acid, s. g. 1845, fifteen and a half grains; yellow bark, three ounces; orange peel, four scruples. Macerate the entire for ten days, strain, and add to the strained liquor half its weight of sugar; dissolve the sugar, and strain. One ounce represents the infusion of half a drachm of bark.

The advantages of the preparation are said to be, that while it is comparatively cheaper than wine of bark, the sugar it contains will modify its action in the same manner as the organic matter contained in wine does; secondly, that its taste is more agreeable than that of wine of bark; thirdly, that the preparation will always be uniform; and fourthly, that children will not refuse to take it.—*Ibid*.

15. *Formulae for the Gelatinization of Cod-liver Oil*.

M. Stanislas Martin's *Jelly modified*.—Take of cod-liver oil, two ounces; fresh spermaceti, two and a half drachms; simple, or other suitable syrup, and Jamaica rum, of each six drachms. Beat the ingredients together with the aid of heat, and when the mixture has acquired some consistence, pour it into a wide-mouthed bottle. *Cod-liver Oil solidified with gelatine*.—Take of pure gelatine, half an ounce; water, simple syrup, of each four ounces; cod-liver oil, eight ounces; aromatic essence, as much as may be sufficient. Dissolve the gelatine in the boiling water, and add successively the syrup, the oil, and the aromatic essence; place the vessel containing the entire in a bath of cold water; whip the jelly for five minutes at most, and then pour it, while still fluid, into a wide-mouthed glass bottle, furnished with a cork, or with a pewter cap, or if a bottle be not at hand, into a porcelain or earthenware pot, which should be carefully closed. *Cod-liver oil gelatinized with Carrageen or Irish Moss*.—Take of fucus crispus, half an ounce; water, eighteen ounces; simple syrup, four ounces; cod-liver oil, eight ounces; any aromatic, according to taste. Boil the carrageen in the water for twenty minutes; pass the decoction through flannel; concentrate it until it is reduced to four ounces by weight; add the syrup, the oil, and the aromatic; whip the mixture briskly, having first placed it in a cold bath, and pour it, while still a little warm, into the vessel intended to receive it. The syrup may be replaced by an equal quantity of Garus' elixir, mint, or vanilla cream, or rum, &c.

M. Sauvan proposes to combine cod-liver oil with Iceland moss. *Lichen and Cod-liver Oil*.—Take of Iceland moss jelly, four ounces; gelatine, four scruples; hydrocyanated cod-liver oil (to which two drops of essence of bitter almonds have been added), six drachms. Prepare the Iceland moss jelly in the usual manner; melt the gelatine and pass it into the vessel which is to hold it; then add the cod-liver oil; stir the entire with a spatula, until the mixture be homogeneous and the jelly begins to congeal. Dose—two or three spoonfuls daily.—*Ibid*.

16. *Caustic Glycerine in Lupus*.—The following formula is employed by Dr. HÉBRA, of Vienna: Iodine, iodide of potassium, of each one drachm; glycerine, two drachms. This is applied every second day by means of a brush; it pro-