

In reply to a subsequent objection of Deschamps that its alkalinity is owing to the caustic potash or soda used in its preparation, they assert that it may be obtained by Calcined Magnesia and even by neutral acetate of Lead.

It appears also that *Conicine* has been analysed by Liebig, and found to consist of

Carbon,	-	-	-	-	66.91
Hydrogen,	-	-	-	-	12.00
Azote,	-	-	-	-	12.80
Oxygen,	-	-	-	-	8.29

100.

Annales de Chemie, Avril, 1835.

G.

On the latent heat of Carbonic Acid Gas. By M. BISCHOFF.

In decomposing Carbonate of Lime by heat in a gun barrel, I found the end of the barrel at $144\frac{1}{2}$ Far. while the current of gas indicated only $88\frac{1}{2}$ F. If we suppose the temperature to which the Carbonate of Lime was exposed to be equal to the melting point of gold, or about 2500° or 2600° F. the gas would have rendered latent 2430 to 2500° Far.

When chalk is decomposed by weak sulphuric acid the mixture marks 122° F. and the gaseous current 86° . When the acid is concentrated, the mixture is 212° F. and the current 133° .

Ann. de Pog. in Ann des Mines.

G.

On the use of Ether in Analyses. By M. DOBEREINER.

If to a solution of chloride of manganese and cobalt in alcohol, fifteen to twenty times its volume of ether be added, all the chloride of manganese will be precipitated and the liquid becomes of a beautiful blue. In adding water, the chloride of cobalt is precipitated of a rose colour; and by redissolving in alcohol and employing ether again we may separate the whole of the chloride of manganese.

Ether has a strong tendency to form a special combination with twice its volume of alcohol, and this tendency may frequently be turned to profit in chemical analyses.

An alcoholic solution of hydrate of potash, which contains .25 to .30 of water is entirely decomposed by ether, so that the potash separates in the state of an aqueous solution; but if the alcoholic liquor contains no water, the ether does not separate the potash, and the separation is effected only by adding water to the mixture.

If a mixture of nitrate of lime and nitrate of strontian be treated with alcohol, and that independently of the first salt a little of the second be dissolved, the whole of the latter may be precipitated by adding ether and allowing the liquid to remain some time at rest.

Ann. des Ph. in Ann. des Mines 1836.

G.

Promotion of the Germination of Seeds.

“Having procured, while in England, seeds of various species of the Australian *Acacia*, and sown them immediately on my arrival at the Cape [of