

NEUMAN ON NITRE



THE NATURE AND DIFFERENCE

OF

SALT PETRE

Neuman on Nitre. (⊕)

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on
The Nature and difference
of Salt petre.


We divide common ⊕ into 3 Classes; though when ⊕ is perfectly pure and well depurated from external, impure or foreign bodies, it is then one and the same, whether it comes from Germany, Poland, Russia, France or the East Indies.

The difference consists alone in a greater or less degree of purity, viz:

- 1. The unpurified quite crude ⊕ .
- 2. The once purified ⊕ .
- 3. The perfectly pure ⊕ .

1. Crude ⊕ is crystallised but is still mixed with a quantity of ψ ▽, common ⊕ and fat ▽ ly particles; This ⊕ looks yellowish or ▽ ly, consists of small ill shaped Crystals; and fulminates slowley and badly.

2. The one purified ⊕ looks white, has got large clumsy Crystals, fulminates stronger, and when dissolved in ▽ and precipitated with O_2 □ i or with a pure potash Lye, this ⊕ does not precipitate so much ψ ▽ as the quite crude ⊕ does.

3. A perfectly pure $\textcircled{\text{D}}$ is nearly transparent like ∇ , has beautiful well shaped Crystals with 6 sides and longish, fulminates very strongly in the Δ , contains no Ψ ∇ nor Common \ominus . Its Crystals look like this , some smaller, some larger, which depends on the quantity of the evaporated Solution and on the Vessel according to the place and room the Crystals have to shoot in; which Crystallisation is done suddenly in a moment, all though not in every place at once, but gradually in different places of the Dishes.

MR. NEUMAN says: Nature generates the HALI-NITRUM or APHRO-NITRUM (i.e. THE NATURAL $\textcircled{\text{D}}$, before the saltpetre-makers boil and crystallise it the first time, and is called NATIVE-NITRE) the most principal and from all other Salts distinguished Essence, specifying the Character of Nitre.

Nature does not bring this APHRO-NITRUM to a perfect dry hard and crystalline State, or into such a Salt, as the genuine $\textcircled{\text{D}}$ appears after boiling and crystallising.

Art adds to this imperfect nitrious Essence generated by Nature, a fixed alkaline Salt, and therewith, by Various, yet simple operations, brings it to a dry, hard, crystalline, perfect and useful Nitre.

How Nature generates NITRE, MR. NEUMEN formerly a celebrated Chymist and Pupil of Professor STAHL at Berlin, gives us the following Information, well worthy of Notice to a Chemical Philosopher.

Whenever Nature intends to generate $\textcircled{1}$ in the Earth three Ingredients are required.

1. The principle is a putrid Substance or a rotten Concrete either from the animal or vegetable Department.

This required putrid substance must be an Oily urinous Salt.

2. The second Ingredient is an ∇ , which must be fit to receive such an $\textcircled{\circ}$ ly \square ous \ominus , until the generation is accomplished.

To this, either Clay or megre Loam, or Lime-Stone, Old Walls or old plastered Walls are the most proper Earths.

3. The third and principal Ingredient is the ∇ , (Excellent) partly as a universal agent, although not the Whole ∇ , but its inward Vivifying principle inclosed in a UNIVERSAL ACID, NITREOUS, MOST SUBTIL SALT. (my system of Nature exactly) Partly as an assistant and Instrument, as Nature wants the whole Volume or mass of to perform this wonderful generation, not only for causing the FIRST NECESSARY PUTREFACTION, but also as a Vehicle for introducing THAT UNIVERSAL AGENT, THE AERIAL ACID, NITREOUS \ominus , in order to effect the new mixture or generation of the Native- $\textcircled{1}$ eous-Essence.

The whole Process of Nature consists therefore in the following Operations.

1. To dispose Animal or Vegetable substances towards putrefaction.
2. When those substances putrify, to introduce the most subtil $\textcircled{\circ}$ y, \ominus ine, \square ous particles into one or more of the above mentioned Kinds of ∇ , and
3. To introduce that Vital, principle inclosed in that universal,

ACID, $\textcircled{\text{D}}$ eous Salt, as much as is necessary, and

4. By means of Warmish aerial Humidity, as a Vehicle and assistant to accomplish the natural Mixture.

The Native Saltpetre originates and is got without much human assistance, as God and Nature procures it. It is either obtained ;

1. From Nitrious ∇ , which is the Case with us in germany and more so in the East Indies.

2. From Loamy Walls or grounds.

3. From old decayed Ruins, which have been built of Lime-Stones.

Whenever Nature generates $\textcircled{\text{D}}$, unassisted by the art of man, it happens commonly in such places, where different Substances have putrefied, and such putrefaction has insinuated itself into a Clayish or loamy ground in its whole mixture, or the putrified most subtil $\textcircled{\text{O}}$ ly \ominus ine \square ous Essence has evaporated and insinuated itself into the Limy particles of old decayed Walls, standing near such putrefactions.

Both may happen Various ways, viz:

1. When $\textcircled{\text{D}}$ is generated in the Earth, the place is either such a one where large heards of Cattle have stood, or where much Cattle have passed, or where Battles have been fought and a number of men and horses have been killed and buried; or such a place where Leaves of Trees or other juicy Vegetables have putrified in large quantities, or in Church-yards and burying grounds, and lastly on or near places where dead Cattle or dead horses are buried.

(Flamel makes use of a saying: remember that you have learned this Secret amongst the bones of the dead!)

2. When $\textcircled{\text{D}}$ is generated on loamy or lime-Stone Walls, buildings, Cellars, or such like; it is then either near Stables or places where Sheep, pigs, Cows, Goats or Horses are kept night and day, or near pigeon-or-Fowl-Houses; or near privies and Common-Sewers, near Dung-Hills and places where urine is thrown, and where no Sun-Shine can dry it up; likewise near old Walls in Churchyards or burying grounds, near old decayed Ruins built of Lime or free Stone standing in shady places, and under old decayed thatched sheds; finally in such places where various putrefactions and strong Exhalations of putrefied Substances happen or have happened, such as Burying grounds.

(Its origin may well be called VILE.)

The Loam and ∇ wherein the putrified Essence insinuates itself more readily for Nitrification, is commonly rather poor than fat, or has been plastered or built with Lime; for that reason we deem Lime Ψ an excellent magnet.

3. $\textcircled{\text{D}}$ is generated in Ψ STONES, and most commonly in such as are of an absorbing kind, such are those about Paris.

In FRANCE near SAUMUR on the River LOIRE is a quarry, which yields a minera, full of $\textcircled{\text{D}}$, and therefore is digged out there in great quantities, out of this Stone much $\textcircled{\text{D}}$ is boiled.

FINIS.