§ 7. Some make this Spirit of Roses thus: ℞ *Of Damask Roses* ℔xx. *beat them into a Mass, which put into an earthen Jar, as before; cover it with white Salt in fine pouder so much as may overtop it four or five Inches, stop the Jar close with Cork, and close it well with Pitch, and so set it in a cool Cellar for eight or ten Weeks: then taking out the Mass, put it into a Copper Vesica Tinn'd within, and distil in Bal. Vaporoso, and rectifie the Spirit as before in a Glass Matrass.*

§ 8. Or thus: ℞ *Whole Damask Roses, q. v. beat them in a Mortar, and in a fit Vessel affuse on them a good quantity of fair Water, which digest together for a Day or two, and then distil with a good Fire in a Copper Vesica Tinn'd within, as is usual: so will you find upon the top of the Water some few drops of a very sweet and odoriferous Oyl or Essence, which is called* Adeps Rosarum: *this must be taken off with a little Cotton.*

§ 9. *Cohobate the distilled water upon the Magma of the Roses, and distil again as before with a strong fire, so will you have more drops of the Oyl or* Adeps Rosarum, *which is to be taken off as before: and this work you may repeat so long as you find any Oyl to swim on the top of the Water.*

§ 10. The Spirit of Roses is thought to be the greatest of all Cordials, it fortifies Nature, provokes Lust, Chears the Heart, Revives the Spirits, Natural Vital and Animal, and strengthens the Stomach to a Miracle.

§ 11. It is good against Melancholy, Palpitation of the Heart, faintings, swoonings, &c. but it is better for Men than Women, because in them it is sometimes apt to raise the Vapours. Dose a ℥ss. ad ℥ij. in Damask Rose Water sweetned with Syrup of Clove-gilliflowers.

§ 12. The *Adeps Rosarum*, has all the Virtues of the Spirit, but is much stronger, and a more noble Essence, and may be given a gut. ij. ad viij. (dropt upon fine white Sugar) and so mixt with some proper Vehicle.

CHAP. III.

Of OYLS Distilled.

I. *Oleum Aloeticum*, Oyl of Aloes.

Bate.] *Aloes Epatica* ℔j. *Myrrh* ℥ij. *Frankincense* ℥ss. *mix and distil in Sand with degrees of fire.* Being anointed upon the Navel, it purges and kills Worms.

Salmon.] § 1. *You must put these Ingredients into a Glass Retort, large, deep, and fit to contain three or four times as much of the Ingredients; fit to it a large Receiver; begin the distillation with a gentle Fire for some time, then increase the Fire by little and little, till you see the Oyl to come over, and continue the Fire till you see the Receiver clear; so will you have an acid Spirit mixt with*

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much flegm, and a thick, bitter, stinking Oyl.

§ 2. Filter all through brown Paper, so will the Flegm and Spirit pass through leaving the fetid Oyl behind in the filter.

§ 3. *The Spirit you may rectifie by putting it into a Glass Cucurbit, with its Head and Receiver; and with a very gentle Fire in Sand, or B. M. distilling the one half, you will have the acid Spirit very pure ascend first, leaving the flegm or unprofitable part behind.*

§ 4. The Spirit being given inwardly a gut. x. ad xx. or xxx. in any fit Vehicle, has the same virtue and operation, that the Oyl has being anointed outwardly.

§ 5. They both of them are good against Vapours and Hysterick Fits, the Spirit being inwardly taken as aforesaid, and the Oyl being outwardly anointed upon the Nostrils, Universals being prescribed.

II. *Oleum Antimonii Saccharatum*, Oyl of Antimony Sugared.

Bate.] *It is made from the Pouder of crude Antimony and Sugar, ana, distilled through a Retort, by the help of a strong Fire, S. A.* It is profitable against both internal and external Diseases: Dose a gut. iij. ad vj. in Quartan Agues before the Fit.

Salmon.] § 1. In our *Pharmacopœia Londinensis*, lib. 3. cap. 8. sect. 87, 88, 89, 90, 91, & 92. we have taught six several ways of making this Medicine from *Basil*, *Sennertus*, *Faber*, *Beguinus*, *Quercetanus*, and *Sala*, so that much more need not be said thereof in this place.

§ 2. Yet it seems that this Prescript of our Author is different from them all, and therefore we shall endeavour here to explicate what he intends by his sugared Oyl.

§ 3. ℞ *Choice Antimony, white Sugar-candy, ana; grind each severally, and being exactly mixed put them into a Retort, putting over them a handful of clean Hemp or Tow, to hinder the Ingredients from rising and passing over into the Recipient, when it feels the heat, and makes an ebullition (which cannot well be otherwise hindred but by this Tow.)*

§ 4. *Place the Retort in a close Reverberatory, fitting thereto a large Recipient; make at first a slow Fire, and increase it by degrees, till you see no more drops nor vapours come over the Helm.*

§ 5. *Let the Vessels cool, and take the Recipient, and put the distilled matter therein into a glass Matrass, add to it Tartarised S. V. three inches above it, and digest them together in a vaporous Balneo for three or four days: then filter all in the Cold thro' a Cotton into a small Cucurbit, which place in B. M. and draw off the S. V. leaving the Sugared Oyl at the bottom, which keep for use.*

§ 6. *Lemery* makes it thus: ℞ *Antimony, Sugar-candy, A. pouder and mix them, and put them into a large Glass Retort, so as to leave two thirds empty, fitting to it a large Receiver: distil in Sand with a gentle Fire, to draw off the Flegm, which cast away.*

§ 7. *When red drops begin to come forth, fit to it another Receiver, lute the Juncture, increasing the Fire gently which manage prudently (lest the matter rarifies, and its substance runs into the Receiver, which will force you to begin again) continue the Fire till nothing more comes forth, and when the Vessels are cold, take and keep what you find in the Receiver for use.*

§ 8. In this Composition the Sugar, as it contains in it self an Essential acid Salt, and an Oyl; so being mixed with a Portion of the Sulphur of Antimony, it makes an oily Liquor.

§ 9. Now the sweet taste of the Sugar proceeds from a natural mixture of this acid with the Oyl; for if you separate these two substances one from another, neither of the two will be sweet at all.

§ 10. The Oyl alone is insipid upon the Tongue, making little or no Impression on the Nerve that serves for tasting, but being perfectly mixt with the acid, the points of the acid serve for a Vehicle to the Oyl, to make it penetrate, and superficially smite upon the Nerve, whereby the sense of Tasting is produced.

§ 11. And the acid being alone becomes incisive, and prick the *Nervi Gustantes* by their points; but being blunted by the ramous parts of the Oyl, they no longer pierce the said Nerves, but only smite them with a great deal of pleasantness and sweetness.

§ 12. This Oyl is a most excellent and almost miraculous Medicine for the Cure of green Wounds and Contusions; it cleanses Ulcers also, and heals them, if applied with a Feather or Cotton.

§ 13. And it takes away Tettars, Ring-worms, and other Itchings which infest the skin. If you find it too sharp, you may qualifie it with a little *Aqua Mellis*, or some such like thing.

§ 14. Besides, *Le Febure* affirms it to be a surprizing Remedy against intermitting Fevers, but chiefly against *Quartanes*, for the cure of which he proposes the following Pills therewith.

§ 15. ℞ *Of this Sugared Oyl of Antimony* ℥j. *fine Aloes washed with Juice of* Carduus Ben. *and reduced into an Extract* ℥ss. *Ambergreese* ʒij. *Tincture of Saffron, evaporated to the thickness of a Syrup* ʒi. *mix and make all into a Mass of Pills.*

§ 16. Dose a gr. iv. ad xvj. in Conserve of Roses: they purge gently downwards, and sometimes provoke Sweat, or work by insensible transpiration.

III. *Oleum Balsamicum*, The Balsamick Oyl.

Bate.] ℞ *Alkanet Roots* ℥ij. *Oyl Olive* ℔ij. *boyl till it is of a rubicund colour: strain and add Cyprus Turpentine washed in Violet-water* ℔ss. *Oyls of Hypericon, and of Bay-berries A.* ℥j. *Oyl of Peter, and Chymical Oyl of Juniper Berries, A.* ℥ss. *distilled Oyls of Rhodium and Spike, A.* ʒij. *distilled Oyls of Angelica Seeds, and Aniseeds, A.* ʒj. *mix them, S. A.* It prevails against all cold effects, and dissipates Wind. In the Palsie, Deafness, Pain of the Ears, &c. it does much; and is a present Remedy against the Cramp, Colick, Dropsie, being both internally taken, and outwardly applied. Dose a ℈j. ad ʒj. in some appropriate Vehicle.

Salmon.] § 1. It is an approved thing for healing Ulcers of the Lungs, and curing inward Bruises, for which purposes there is scarcely a better Remedy.

§ 2. Outwardly also, it is as good a Vulnerary as one shall meet with al: for if immediately applied, the Blood being washt off first with common Spirit of Wine, it commonly performs the Cure at one intention, and by one Application; and therefore ought to be valued as a Jewel.

§ 3. Being applied in the Gout, Sciatica,

Sciatica, or any old ach or pain, it removes the pain, and cures the sick in a short time.

§ 4. It is good being taken inwardly against Coughs, Colds, hoarsness, Asthma's, and other Distempers of the Breast and Lungs, and is of singular good use against Spitting of Blood, and a Phthisis, or Consumption of the Lungs.

§ 5. It expels Wind, and gives ease in the Colick, Griping of the Guts, bloody fluxes, and other fluxes of the Bowels, cleansing and carrying off the sordid and Virulent matter, and healing the Ulcer.

§ 6. It may be also given in a Clyster for the same purpose: ℞ Of this Balsam ʒj. ad ℥iij. decoction of Bay-berries made in Posset-drink ℔j. mix and give it warm: it will not fail of giving ease in the most extream pains.

§ 7. Inwardly by the mouth, you may give it thus: ℞ *Of this Balsam a ℥ss. ad ʒj, Aquæ Alexiteriæ ℥j. Bawn Water, or Angelica water: ℥iij. Syrup of Violets ℥j. mix for a Dose.*

§ 8. So taken it is a good Cephalick, curing Diseases of the Brain, Nerves, and Womb, proceeding from Cold and Moisture; and it will be yet more effectual if it be also anointed Morning & Evening upon the parts affected.

IV. *Oleum Camphoræ*, Oyl of Camphire.

Bate.] ℞ *Camphire ℥ij. Tobacco-pipe-clay ℥iv. mix and make a Mass, and distil by a Glass Retort in Sand, S. A.* Or *it may be made by dissolving Camphire ℥ij. in Spirit of Nitre ℥iv. in a warm place.* It is Diaphoretick and Hysterick: Dose ad gut. x, &c.

Salmon.] § 1. In our *Pharmacop. Lond. lib.* 1. *cap.* 8. *sect.* 20. §, 1, 2, 3, 4, 5, & 6. we have shewn you six several ways of preparing the Oyl of Camphire from *Schroder, Hartman, Horstius*, and *Kesler*.

§ 2. And in our *Doron Medicum, lib.* 1. *cap.* 2. *sect.* 7. § 2, 3, 4, we have shewn three other several ways of doing it from other Authors.

§ 3. The ways here prescribed by our Author are differing from all them, which by reason he is very concise and short therein, require a little Explication.

§ 4. Tho' it is our Opinion, *Doron Med. lib.* 1. *cap.* 25. *sect.* 102. that *Camphire* is of so pure and exalted a substance, that it can be made better by no kind of distillation, nor by any other Artifice whatsoever. However for the sake of such as cannot rest in that Judgment, we will now come to the explication of our Author.

§ 5. ℞ *Camphire ℥ij. Potters Earth ℥ix. mix them into Balls, or otherwise, dry in the Sun, and put the mixture into a glass Retort, and distil in Sand into a large Receiver which has Rain-water therein; first there comes forth a white matter, then a clear Water, and at last with a stronger fire a sweet-scented Oyl, which being rectified with Spirit of Wine, will be as yellow as Gold:* Where note, that the white matter which sublimes in the Alembick, melts and falls into the Receiver.

§ 6. This Oyl is an excellent Remedy, resists putrefaction and poyson, and is good against the Plague and all malignant Diseases, both continual and intermitting Fevers: The Dose is from gut. i. ad vj. in some appropriate Liquor.

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§ 7. The Spirit of Wine is also camphorated, and good for the same purposes, and may be given a ℥ss. ad ℥j. or ℥ij.

§ 8. Both Oyl and Spirit are good to stop a Gangreen, give ease in the Tooth-ache, and allay the pains of the Gout and Sciatica.

§ 9. Oyl of Camphire by Spirit of Nitre; ℞ *Camphire ℥iv. rectified Spirit of Nitre ℥viij. dissolve in a Matrass, stop the Vessel close, and set it over a Pot full of Water a little heated, stir it now and then with a little stick to help forward the dissolution which will be done in two or three hours; so will the Camphire be turned into a clear Oyl, swimming above the Spirit, which separate and keep in a Vial well stopt for use.*

§ 10. This Oyl is of excellent use to cure rebellious and stubborn Ulcers; to remove the Caries of Bones, and to touch Nerves that are uncovered in Wounds.

§ 11. Some may think this to be a dangerous Medicine, because of the violent Impression which the corrosive Spirit does give to the *Camphire* in its dissolution; but by reason this Preparation is never given inwardly, those scruples are causless.

§ 12. Medicines much more acrimonious than this are commonly used, and yet esteemed without peril: and considering the uses it is put to, the *Spirit of Nitre* seems to be of absolute necessity, for the Oyl does so much the more and better, cleanse and scale rotton Bones, and foul Ulcers, and cause them to heal.

§ 13. This Oyl is only a dissolution of Camphire in Spirit of Nitre; for if you mix Water with it, and so destroy the force of the Spirit, it will return into Camphire as before.

§ 14. And of all the Rosins, this is the only one that will dissolve with Spirit of Nitre: from Camphire ℥iij. you will have of Oyl ℥iv. the Spirit of Nitre losing an Ounce in the dissolution.

§ 15. This dissolution is made without ebullition, or sensible heat, for Acids mixing with Sulphur never make any ebullition, because Sulphurs always submit without any resistance.

§ 16. And Camphire consisting of thin disunited parts, the Acids softly enter among them, and make an easie separation.

§ 17. *Le Febure* has a compound Oyl of Camphire, which is made after this manner: ℞ *Camphire in gross Pouder ℥vj. Spirit of Nitre ℔xij. put them into a Matrass, which stop with another, the neck of the one going into the other; lute the Juncture with a Bladder and Whites of Eggs, and digest in B. V. till the Camphire is dissolved and become an Oyl, swimming above the Spirit.*

§ 18. *Separate the Oyl, and add thereto rectified Oyl of Amber, Oyl of Juniper Berries, A. ℥iv. digest till they are united, then distill in a glass Retort in Ashes, cohobating three times; after which, rectifie upon Colcothar of Vitriol, till the Oyl comes forth clear, depurated, and fluid, the Camphire being made incorporeal, and perfectly turned into an Oyl.*

§ 19. This Oyl is Sudorifick, and of mighty force to expel the malignity of the Plague, or Pestilence, Spotted Fever, Measles, and Small-pox, and Poison it self.

§ 20. It is also a Preservative Remedy in time of Plague, being both inwardly taken and outwardly applied.

§ 21. Inwardly, let it be taken, reduced into a dissoluble, Balsam, with double or treble refined Sugar

gar in Pouder: Dose three or four drops in a Glass of Wine.

§ 22. Outwardly, let the Nostrils, Temples and Wrists at the beating of the Arteries, be anointed therewith, and by this means (being inwardly taken, and outwardly applied) this Noble Remedy will sufficiently strengthen the Spirit, and all the Natural and Vital Faculties so, as that there shall be no fear of their being invaded by the Infection, or Venom, and Poison of the Plague.

§ 23. The use also of this Oyl cannot be sufficiently commended against Fits of the Mother, Vapours, and other Hysterick and Splenetick Passions, for it penetrates as in a moment, and appeases all those Hysterick Irritations.

§ 24. This Oyl is also a Noble Specifick in the Epilepsie, whether in Old or Young, but chiefly against that kind which proceeds from disaffections of the Mesentery and Womb.

§ 25. Dose a gut. ij. ad vi. viij. or x. according to the Age, Sex, and force of the Disease.

§ 26. Terebinthinated Oyl of Camphir. ℞ *Camphir ℥iv. Oyl of Turpentine ℥viij. mix, dissolve and distil it, cohobating twice.*

§ 27. It is a subtil Medicine, Alexipharmick, and Anodyn; gives ease in a cold Gout, and Aches and Pains from a cold Cause, and is profitable against the Palsie, being anointed upon the part affected.

§ 28. *Rolfincius* his Oyl of Camphir: ℞ *Camphir ℥ij. Oyl of Sweet Almonds ℥iij. dissolve the Camphir by digestion in a gentle heat,* & cum homogeneo Menstruo Sulphureo per minima miscetur, *and so keep it for use.* You may give it a glorious red colour with Alkanet-roots.

§ 29. The celebrated Virtues of this Oyl are beyond all reproof; it provokes Sweat, purifies the Mass of Blood, strengthens the principal Viscera, resists the Infection of the Plague or Pestilence, and is profitable against all malign Fevers, if inwardly taken. Dose a gut. iij. ad vj. or viij.

§ 30. Utendi modus. ℞ *Generous Wine ℥iv. Spirit of Saffron ℥ss. of this Oyl gut. iv. ad vj. mix for a Draught.*

§ 31. Outwardly, it is anointed upon Gangreenated Parts, by which means it refocilates or recovers the dying heat, and resists the impending putrefaction. *Angelus sala Hydrolæologia*, cap. 13. *Præfert Camphoræ in Substantia Usum, oleis quantumvis diligenter præparatis.*

V. * *Oleum Chartæ*, Oyl of Paper.

Bate.] ℞ *Paper, and light it, and put it upon Plates of Jupiter, or Tin, that it may be burnt, so will the Oyl adhere to the Tin-plates, which gather and keep for use.* It wonderfully prevails against an Alopecia, or Fox-like Falling of the Hair, Herpes, Impetigo, &c. It is Anodyn, and eases the Pain of the Teeth.

Salmon.] § 1. *Lemery* makes an Oyl and Spirit of it after another order, by distillation in a Retort, after this manner: *Make white Paper up into little Pellets, and fill with them a great Earthen Retort, or a glass one covered with lute, which place in a Reverberatory Furnace, with a large capacious Recipient well luted to it; make under it a Fire, at first very gentle for about two hours, only to heat the Retort, then increase it with two or three Coals, and continue it so for two or three hours more, and then increase it to the third degree;*

degree, and the Receiver will be filled with white Clouds; when no more will come, put out the fire.

§ 2. *This Operation will be ended in about seven or eight hours: The Vessels being cold unlute them, and that which you have in the Receiver filter through brown Paper, so will the Spirit pass through the filter, and a thick, black, ill-sented Oyl, will be left at the bottom of the filter, which keep in a Vial close stopt for use.*

§ 3. The Spirit you may rectifie by distilling it in Sand. It is an excellent Aperitive and Diuretick, and after an admirable manner takes away all Obstructions of Urine, being given a gut. x. ad xx. or xxx. in any proper Liquor.

§ 4. This Spirit is very acid in comparison of the Spirits of other Vegetables, because it comes from an essential Salt, which has been put into a very considerable motion.

§ 5. For considering the many mutations of the Hemp and Flax, before it is brought into Cloth, or made Canvass of; and afterwards what it passes through when Cloth, by Washings, Boylings, Buckings, Whitings, &c. And lastly, what it meets withal by being converted into Paper, and the Fermentations which it there receives, it is possible that its fixt Salt may be so far volatilized, as to become of the nature of an essential Salt.

§ 6. Now in the distillation all this Salt becomes dissolved into a Liquor by the Flegm, and converted into that which is called Spirit the which may be demonstrated with almost Mathematical certitude.

§ 7. For scarcely any fixed Salt at all can be drawn from the feces left in the Retort, but they are cast away as useless: it takes fire exceeding easily by reason of a sootiness adhering to it, which gives it the black colour.

§ 9. The Oyl is a good Remedy for Deafness, because that Disease is often caused by a thick pituitous humor, which dries and hardens in the Ear, so as to stop the Auditory Nerves.

§ 9. Now this Oyl dissolves and thins this humor or matter, and disposes it the better for its coming forth, by which means the noise and ringing in the Ears cease, being caused by Wind which this matter pent in.

§ 10. It may be dropt into the Ears, and so stopt in with a little Cotton dipt in the same. It cures also the Tooth-ache, much like the Oyl of Guajacum; and being anointed with, it helps Tetters, Ringworms, Herpes, and other like breakings out.

§ 11. And being smelt to, and the Nostrils touched or anointed therewith, it represses Vapours, and Hysterick Fits.

§ 12. You ought to use Paper white and clean, and not written upon, for the Ink thereupon may alter the Virtue of the Oyl and Spirits, and change the natures of the Preparations.

§ 13. The Receiver also ought to be large, that the white Vapours may have room to circulate in, for they come forth with that force, that otherwise the Vessel would break, had they not room enough to play in.

§ 14. Be cautious also in your fire, for if it be too great at first, for the first two or three hours, the Retort will infallibly be broken.

§ 15. From ℔vj. or ninety six Ounces of Paper, you will have

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℥ix. of Oyl, and fifty four Ounces of Spirit, there remaining about thirty Ounces of Coals in the Retort.

VI. *Oleum Heraclinum*, Oyl of Hazel-wood.

Bate.] *It is made of Hazel-wood cut down in* September *or* March, *cut into little bits; put them into a Retort and distil in Sand with a gradual fire: separate the Oyl from the Water, S. A.* It heats, incides, is anodyn, and an excellent thing against the Epilepsie, and Pain of the Teeth. Gut. ij. iij. or iv. taken with Crums of Bread. It kills Worms upon the spot, and brings them forth by Stool.

Salmon.] § 1. *Rolfincius, lib.* 3. *sect.* 2. *art.* 1. *cap.* 11. makes it after this manner: ℞ *Hazel-wood rasped, or in pieces q. v. fill an earthen Retort therewith, fit to it a Receiver, and distil with degrees of an open fire, so will you have Spirit and Oyl: separate the Oyl from the acid Spirit by filtration, and rectifie the Spirit.*

§ 2. The Spirit and Oyl being rectified, both cure the Epilepsie, and Apoplexy, being internally taken.

§ 3. *Outwardly*, with Cotton or Lint, some drops of the Oyl applied, it cures the Tooth-ache; and anointed upon the Navel, kills Worms, eases the Pains of the Colick, and drives forth both Birth, and After-birth, as also the dead Child.

§ 4. Some Authors order the Wood to be ground into Pouder, and then put into a Retort and distilled in Sand: and order the Oyl to be rectified with much Water to make it more pleasant; and the acid Spirit to be rectified in B. M.

§ 5. But *Hartman* in his Practical Chymistry, saith it is more rightly distilled *per Descensum*, or *per Vesicam*.

§ 6. *Schroderus in Pharmac. lib.* 4. *class.* 1. *sect.* 108. saith, That the Oyl is made by a Retort with a naked Fire, or by descent: and that both Spirit and Oyl are hot and inciding, anodyn, and antepileptick, and chiefly cure the Tooth-ache.

§ 7. This *Oleum Heraclinum Rulandi*, (saith he) *Quercetanus* judges to be Oyl of Box; but *Libavius*, *Hartman*, *Kesler*. and *Beguinus*, say it is the Oyl of the *Hazel-wood*.

§ 8. They are confirmed in the Opinion, that the *Oleum Heraclinum* is Oyl of *Hazel-wood*, because the *Hazel-nuts* are called *Nuces Heracleoticæ*. See *Beguinus Tyro. Chym. lib.* 2. *cap.* 6.

§ 9. Some, says *Schreder*, will have *Rulandus*'s Oyl of the Wood *Heracleum* to be the Oyl of Hazel-wood; for that the *Hazel* was first translated from *Heraclea Ponti* into *Greece* where it was called *Heracletica seu Pontica*, and the *Nuts*, *Heracleoticæ*.

§ 10. Tho' others again will not allow it, but affirm it to be the Oyl of the Box Wood, as *Quercetanus*, *Tetrade affect. capitis*, *pag.* 214, 215, 216.

§ 11. Where he shews, that *the Oyl of Box-wood*, abounds with a very Narcotick Sulphur, and commends it against the Epilepsy and Tooth-ache, Worms in the rotten Teeth, and hollow Teeth, a Tooth-pick being put into it, and then put to the bottom of the hollow Tooth.

§ 12. But if we may be guided by the name of the thing, and adding also to the Authority of the greater number of the most Learned, we are obliged to conclude, that the *Oleum Heraclinum Rulandi*, and

and which our Author here intends, is truly *the Oyl of Hazel-wood*, and not of *Box*, to which the appellation has no relation.

VII. * *Oleum Linteorum*, Oyl of Linnen-cloth.

Bate.] *It is made from Linnen-cloth [or old Linnen Rags] kindled and extinguished upon Plates of Tin, S. A.* It is a powerful thing for the curing of Ophthalmies, a drop thereof being mixed with one of spittle.

Salmon.] § 1. It is distilled after the way and manner as *Oyl of Paper*, at *Sect.* 5. aforegoing, to which I refer you; and the Virtues and Uses are also the same.

§ 2. And an Oyl likewise may be distilled from the *Hemp* or *Flax* after it is peeled from the *Bun*, before it is spun or hackled, having the same uses and effects to every intention and purpose.

§ 3. If a little lint is dipt into it, and it be stopt into an hollow aking Tooth, it presently eases the pain.

VIII. *Oleum Ludi*, Oyl of the Gravelly Substance sticking to the bottoms of Chamber-pots.

Bate.] ℞ *The Tartarous matter adhering to the bottoms and sides of Chamber-pots, which calcine and dissolve per deliquium, S. A.* [*that is, by passing it through a Bag in a cool Cellar, or other moist place*] It is prevalent in resolving Tartar in any part of the Body; yea, even to the dissolving of the greater Stones whether in the Reins or Bladder, and to expel them. It also conduces wonderfully to open all Obstructions arising from those Causes.

Salmon.] § 1. You may calcine the matter several ways, either with Sal Nitre, in about six hours time: Or with Sulphur and Nitre: or with a treble quantity of Beech-tree Charcoal.

§ 2. *Sennertus* calcines with a Circulary Fire; then with Reverberation; then with Beech Charcoal in a Potters Oven, *Instit. lib.* 5. *par.* 3. *sect.* 3. *cap.* 5.

§ 3. He also calcines with Nitre, and extracts a common Salt with Spirit of Wine, then abstracting the Spirit of Wine, sets it in a cool moist Air to melt *per deliquium*. Dose a gr. vj. ad xij. in Parsly, Arsmart, or Onion-water.

§ 4. Others calcine either with Beach Charcoal, or with Nitre, and elicit the Salt with some proper Diuretical Water, or Spring-water, or with Flegm of Nitre or Allum, then filtrate, evaporate, and melt *per deliquium*. Dose a gr. iv. ad x. *plus-minus*.

§ 5. And because this matter is full of an impure Sulphur, it may be doubly calcin'd, filtrated, and evaporated as aforesaid, so will the *Oyl, per deliquium*, be yet purer.

§ 6. Lastly, being put into a Glass Retort and distilled as you do *Harts-horn*, you will have a volatile Salt sticking to the Neck of the Retort, and Sides of the Receiver, a Urinous Spirit, and a little quantity of stinking Oyl, all which may be rectified as other Oyls, Volatile Salts and Spirits, *&c.*

§ 7. These have the same Virtues with the *Oyl per deliquium*, but much more powerful; & all of them specifick against the Epilepsie, Apoplexy, and Fits of the Mother.

§ 8. Let the Salt be dissolved in the Spirit, and so kept, of which you may give a gut. x. ad xxx. or more, in any proper Liquor.

§ 9. The

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§ 9. The *Oyl* may be given a gut. ij. ad iv. or viij. first mix with a little of the Yolk of an Egg, and then with the Vehicle.

IX. *Oleum Lumbricorum*, Oyl of Earth-worms.

Bate.] *It is distilled in a Sand-heat, from Earth-worms washed in Spanish Wine, S. A.* It wonderfully prevails in the Cure of the Palsie.

Salmon.] § 1. The Worms ought to be carefully dried with a very gentle heat before-hand, that they may be divested of the greatest part of their Flegm, so will the Operation be the sooner performed.

§ 2. *Then being cut into pieces, put them into an Earthen Retort, or a Glass one coated, which place in a Reverberatory Furnace, fit to it a great capacious Receiver, luting the Juncture close.*

§ 3. *Begin the distillation with a small Fire to warm the Retort, and drive out the remaining part of the Flegm guttatim: When no more drops fall encrease the Fire a little, and the Spirits will come forth, filling the Receiver with white Clouds, and at last a black Oyl and volatile Salt, sticking to the sides of the Receiver: continue the Fire till all is come forth that will.*

§ 4. *Then cooling the Vessel, and unluting, shake the Receiver, to loosen and mix the volatile Salt with the aqueous and spirituous Matter; put all into a Bolt-head with its Receiver, luting the Junctures well with a wet Bladder, then with a gentle Fire in a Sand-heat; the volatile Salt will sublime to the top of the Bolt-head, which separate and keep by it self.*

§ 5. What remains filter thro' brown Paper, so will the Flegm and Spirit pass, leaving the Oyl behind; keep each by themselves for their particular uses.

§ 6. The Spirit you may, if you so please, rectify from its Flegm, casting the Flegm away.

§ 7. The *Oyl* is fetid, and stinks so abominably, that it is scarce possible to be used alone, especially unrectified.

§ 8. *To rectify it, you must mix it with Pouder of Bone-ashes, or Colcothar, and draw it off from them, so will it be pure, and divested much of its stinking scent, but scarce tolerable to be used by Unction.*

§ 9. *The Spirit, Volatile Salt, and Oyl*, have all one and the same Virtues, save the *Volatile Salt* is the more powerful, the *Spirit* next in Virtue, then the *Oyl*.

§ 10. The two first are to be given inwardly, the Oyl only to be used outwardly by Unction, as we shall presently teach you.

§ 11. The Spirit is given a gut. xx, ad xxx, or xl. The Volatile Salt a gr. iv. ad xij. or xiv. in any Specifick Vehicle against the Palsy, Apoplexy (for which they are Specificks) Epilepsy, Vertigo, Lethargy, Consumptions, and all other cold and moist Diseases of the Head, Brain and Nerves; as also against the Pleurisy, and all Disaffections of the Lungs and Womb, as Vapours, Hysterick Fits, and such like.

§ 12. *Outwardly*, the Paralitick Parts are to be anointed with the *rectified Oyl*, as also the Sutures of the Head, Temples, Nostrils, &c.

§ 13. But because it is so odious by reason of its ill scent and nastiness, we shall here teach you to convert it into the *Potestates* of the same, which are a Medicine so neat and cleanly, that it will scarely foul the finest and cleanest Linnen.

§ 14. These

§ 14. These Potestates are thus made: ℞ *Of the best rectified Spirit of Wine* ℔ij. *Volatile Salt of Earth-worms* ℥j. *mix and digest two Months, till the Spirit is impregnated with the Salt: decant it from the remaining Salt (for all of it, it will not suck up) and add thereto of the former rectified Oyl* ℥j. *mix, by shaking them well together, digest two Months, and then draw them off together in an Alembick, so will they be intimately united and remain together for ever.*

§ 15. *And thus have you the Powers of Earth-worms*, having all the Virtues of the *Spirit* and *Salt* aforementioned; and may be given inwardly a ℥ss. ad ℥i. in any fit Liquor.

§ 16. And bathed withal outwardly they are good for the Cure of the Palsie, as our Author has directed, being ten times more effectual than *his distilled Oyl* prescribed, which stinks (as I said before) so egregiously, that it is scarcely possible to be used.

X. *Oleum Martis*, Oyl of Mars, or Iron.

Bate.] *It is made of the Rust of Mars, contracted by sprinkling it with* Aqua Stygia, *then washing it with Water, filtering and exhaling it to an Oleaginosity, S. A.* It is one of the greatest Deobstructors in the World. Dose gr. iv. or v. *&c.*

Salmon.] § 1. This is not *Oleum Martis*, for that is *Oyl* made of the *Vitriol of Mars*, of which we have nothing to say here, for that there is no difference in the Preparation thereof, from that of the Preparation of the *Common of Oyl of Vitriol*, all the same Rules, Directions and Cautions being to be observed in the one, that is to be observed in the other.

§ 2. This here is rather *a Tincture of Mars* extracted with common Water, the Body of the *Mars* being beforehand open'd with *Aqua Fortis*, or *Spirit of Nitre*, by virtue of which the *Tincture of the Mars* is extracted by the Water; which being filtred and abstracted to the *thickness of the Oyl*, receives its denomination from the likeness which it has thereto.

§ 3. *Le Mort.* makes it after this manner: ℞ *Filings of Mars* ℥xiv. *Spirit of Common Salt* ℥j. *fair Water* ℥viij. *mix, and digest for three or four days, stirring it twice a day, then add Crystals of Tartar in fine Pounder* ℥viij. *mix them well again; and add fair Water again a sufficient quantity, boil them together, for an hour in an Iron Pot or Kettle, continually adding fresh Water, as the Matter evaporates; then filter, or let it settle, pouring off the clear Liquor, which evaporate to the consistency of a thin Syrup: add an half part of rectified Spirit of Wine, and keep it for use.*

§ 4. *Lemery* makes it thus: ℞ *Rust of Iron* ℥xij. *White Tartar* ℔ij. *Pouder and mix them together, then boyl them in an Iron Pot with* ℔xij. *or* xv. *of Rain-water for twelve hours with a soft fire: stir the matter with an Iron-slice often, or almost continually, take care to put in more boyling Water into the Iron Pot, according as it consumes.*

§ 5. *Then leave it for a while to settle, and you will have a black Liquor, which filtrate and evaporate in an Earthen Pan over a Sand heat to the consistence of a thin Syrup, or till a little pellicle rises upon it.*

§ 6. Now here is to be noted in this Preparation, that *Water alone* would not be strong enough to penetrate the *Iron*, so as to make a *Tincture*, tho' it should be

be boyled for a year together; and therefore *our Author* in his way makes the Rust with *Aqua Stygia*.

§ 7. *Le Mort* uses *Spirit of Salt*, and a small Proportion of *Tartar*; but *Lemery*, because he uses no *Aqua Fortis*, nor *Sp. Salis*, takes so much the larger Proportion of *Tartar*; with these things the Water being impregnated it dissolves the *Mars* very easily, and gives it strength enough to extract almost its very Soul.

§ 8. But you must not think that this *Oyl-like Body* is a perfect solution of *Mars*; for if there was an intire solution of it, there would appear no more *Tincture* than there does in the Solution of it, with *Spirit of Vitriol* and *Water*.

§ 9. But because the soluble parts of the *Tartar*, which is the *Agent* in this Operation, is only an impure acid Salt, it can but grosly rarify or open the *Mars*, and after mixing with it, keep it suspended in the Water.

§ 10. After the *Tincture* is drawn, there remains a whitish matter, which may be cast away as nothing worth, being a Mixture of the grosser and unclean parts of the *Tartar* and *Mars*.

§ 11. And the *Tincture* has a sweetness in it, from whence, as also from its Consistence or Body, some are pleased to call it a *Syrup*: others an *Oyl*, tho' in truth it is neither.

§ 12. It is brought by evaporation to the consistency of an *Oyl* or *Syrup*, that it might keep the better; but *Le Mort* thought good to add to it *Spirit of Wine* for its greater Security and Preservation.

XI. *Oleum Polypodii*, Oyl of Polipody.

Bate.] *It is made from the dryed Roots, distilled by a Retort in Sand, S. A.* It serves for catching of Fishes.

Salmon.] § 1. It is found on Beech and Hazel-Trees, and stony Places, but that from the Oak is best.

§ 2. The Root in form of a Decoction, purges Melancholy, and tough Flegm, and opens Obstructions of the Liver, Spleen, Womb, and Mesentery, but because it is but a slow Purge it is seldom given alone, but with other stronger Purges.

§ 3. Being distilled its Cathartick Virtue is totally destroyed; you have instead thereof a sharp, opening Spirit, and a fætid Oyl: The Spirit is profitably given against Venereal Defædations, and Dietetically; you may give it a ʒj. ad ℥ij. or more in Drink, or Decoction of Guajacum.

§ 4. The Oyl is so fætid, that it is not possible to be taken inwardly without rectification, and then at best it is a loathsom Medicine; which tho' it may be good against the Venereal Distemper, Leprosie, and other Impurities of the Blood, is seldom or never taken; for that many other Medicines, a thousand times more grateful, and possibly more efficacious, are ever ready at hand to be had.

§ 5. What its other Properties are, our Author has told you, which is the Catching of Fish, which it does by drawing them together after it, by reason of its strong scent.

§ 6. As for the way and manner of making it, there is no difficulty in it; *being cut into bits, you may fill an Earthen Retort full thereof, and having luted thereto a Receiver,*

you

you may perform the distillation in Sand, first with a great fire, then with a stronger, augmenting it even to the last degree, in all respects as we have before taught you in the distillation of Guajacum.

XII. *Oleum Sacchari Simplex*, Oyl of Sugar simple.

Bate.] *It is made with Sugarcandy, and Spirit of Wine, ana, being mixed and dissolved in the heat of B. M. then by burning the Spirit away to the Consistence of a Syrup, S. A.*

Salmon.] § 1. This is no Oyl, but a Syrup, and receives its denomination only from its Form, Body, or consistency.

§ 2. It was designed against Coughs, Colds, Wheezings, Asthma's, Shortness of Breath, Difficulty of Breathing, and other Distempers of the Breast and Lungs.

§ 3. The way of using it is thus: ℞ *Of this Syrup* ℥ij. *Elecampane in fine Pouder* ʒj. *Ginger in fine Pouder* ℈j. *Catecht in fine Pouder* ℈ss. *mix for a Dose* to be given Morning and Evening; the Sick may also lick of it in the Day time, as often as the Cough returns.

§ 4. This is properly nothing but Syrup of Sugar made with Spirit of Wine, and is mostly used as a Vehicle to convey other Medicines in; or at least to invigorate, dulcifie, and make pleasant the more insipid Vehicles, and is more especially used with such remedies as have respect to the Breast and Lungs.

XIII.* *Oleum Sacchari Compositum*, Oyl of Sugar Compound.

Bate.] ℞ *Dates cut into pieces* ℥j. *Figs* ℥iij. *Hyssop. M. j. Liquorice, Aniseeds, Cotton seeds, A.* ʒvj. *Roots of Florentine Orrice* ℥j. *Spirit of Wine* ℔ij. *boyl by burning to the consumption of the half, then strain through* Hippocrates's *Sleeve, dissolving in it Sugar-candy a sufficient quantity.* It prevails against Asthma's, Coughs, &c.

Salmon.] § 1. This is no Oyl of Sugar, any more than the former, and is only so called with respect to the Form or Consistence, being more properly a Syrup.

§ 2. The Virtues are the same with the former, but is more Pectoral, and therefore to be made use of in the more desperate cases, thus.

§ 3. ℞ Of this compounded Syrup ℥j. Elecampane in fine Pouder, Aniseeds, ana ℈j. Pepper in fine Pouder, gr. x. mix for a Dose to be taken Morning and Evening, and to be lickt of in the interval as need requires.

§ 4. *Le Mort* makes an *Oyl of Sugar* after this manner: ℞ *Sugar* ℔ j. *Sand, or washed Ashes* ℔iij. *mix them, and put them into a Glass Retort, and distil with a very gentle fire in Sand, at last increasing the fire almost to a red hot heat, so have you Oyl and Spirit, which you may separate.*

§ 5. *The Spirit* opens Obstructions of the Breast, Lungs, and urinary Parts: *The Oyl* is Pectoral, and may be mixt with other Pectorals, and so given.

§ 6. Dose of the Spirit, so much as to give any Wine, Ale, or Cordial Draught a pleasant acidity: the Oyl may be given a gut. vj. ad xij. or more, mixed with proper Pectorals afore directed.

XIV.* *Oleum Saponis*, Oyl of Soap.

Bate.] *It is made of Venetian Soap*

Soap thin sliced or scraped, and Spirit of Wine, of each a like quantity being distilled by a Retort, first with a gentle fire, then increasing it gradatim. Let the Oyl swimming upon the Green Water be separated. It is good against Convulsions and Pains of the Head, being anointed upon the Temples, Nape of the Neck and Nostrils. It helps also against the Gout, Contusions, and Worms, being anointed upon the place affected, and then a Colwort-leaf applied over them.

Salmon.] § 1. *Rolfincius, Art. Chymiæ, lib.* 3. *sect.* 2. *art.* 1. *cap.* 15. makes it after this manner: ℞ *Venice Soap thin sliced or rasped* ℔ *j. Calx Vive finely pulverized* ℔ *ij. mix them well, then sprinkle them with White-wine, put all into a strong glass Retort: begin the distillation with a very gentle fire, increasing it to the third degree, so will you have Flegm and a rubicund Oyl, which keep in a glass close stopt for use.*

§ 2. It resolves and dissipates cold Tumors; helps the Spleen and Vapours, being anointed upon the Region of the Spleen; and anointed upon the Joynts it eases the Gout, and dissolves the Tartarous Nodes thence arising.

§ 3. It stinks much, and therefore it is necessary that it should be once or twice rectified from *Colcothar*, or *Bone-ashes*, for by that means it will be finer and subtiller, and lose much of its *Empyreuma*.

§ 4. A warming and strengthning Emplaster, and good against Fits of the Mother, you may make after this manner: ℞ *Galbanum Amoniacum, A* ℥*ij. Wax, Oyl of Soap, A.* ℥*j. mix and make an Emplaster.*

XV. *Oleum Tabaci*, Oyl of Tobacco.

Bate.] *It is made of the dryed Leaves by a Retort, or from the Seeds bruised by expression.* It is of use against Pains of the Gout, Rheumatism, Tooth-ache, Worms, &c.

Salmon.] § 1. By the leave of our Author, there is a vast difference between a distilled Oyl drawn by a Retort from the dryed Leaves, and the expressed Oyl from the Seeds: An Ounce of the latter is not equal in Virtue and Power to ten drops of the former.

§ 2. How this Oyl is particularly to be made we shall not here repeat, forasmuch as we have largely performed that task in *Chap.* 2. *Sect.* 34. § 3. & 15. where also we have amply shewn its rectification, and several Uses, with the way of its exhibition or application.

§ 3. In making of this Oyl you have also a Spirit filled with volatile Salt, which you are to rectifie, as (in the place cited) you are directed, which has admirable Virtues, and in my Opinion, much transcending the Oyl.

§ 4. To make the Oyl of the Seeds by expression: *Let them be ground in a Mustard-Quern as fine as for Mustard, then put them into a Bag of new strong Canvass; tie the mouth of it fast, and put it between two Tin plates, or Plates of Wood lined with Tin, which place in an Almond press, squeezing it at first very gently, but afterwards with a very great force, leaving the Bag in the Press, till the Oyl has time to drop forth.*

§ 5. Now here is to be noted, that if the Seeds be heated in an Earthen Pan, or Frying-pan, till they be pretty warm, before they are put into the Bag, which ought to be wetted and wrung hard out of hot Water, you will have the more of Oyl.

§ 6. That if you press strongly at first, some particles of the Seeds will be apt to come through the Bag, whereby your Oyl will be thick and filthy, which otherwise would be pure and clear.

XVI. * *Oleum Vitrioli Dulce*, Sweet Oyl of Vitriol.

Bate.] ℞ *Rectified Oyl of Vitriol* j. *part: Alcohol of Wine* ℔iv. *digest thirty or forty days, and then distil by a Retort, cohobating three or four times till they are united, S. A.* It is profitable against the Stone, Tartarous Diseases, Catarrhs, &c. Dose ℈ij. in some proper Liquor.

Salmon.] § 1. By j. part in this place is intended ℔j. and it is the same Proportion which is limited in our *Pharmacopœia Londinensis, lib.* 3. *cap.* 11. *sect.* 94. where the Process is amply explicated, together with its several Virtues and Uses,

§ 2. But Monsieur *Charras* alters the Proportion, and makes it by mixing the two inequal Proportions, and then distilling the mixture in a Glass Alembick in an Ash heat with a moderate Fire.

§ 3. By this inward Union (says he) of the acid of the Vitriol, with the volatile Sulphur of the rectified Spirit, there arises a composition much more sweet in savour, and gentle in all its effects, than was the Oyl of Vitriol before its conjunction.

§ 4. And tho' we must confess, that this Spirit is composed of two; nevertheless, we have a better Opinion thereof, because they unite without the destruction of each other, and that by this new disposal of their parts through this Union, that which both of them had of Violent, is qualified, and their joynt Operation much more proper and fitted to our Nature.

§ 5. So that the use of this Spirit is of much more advantage, than that of the unmixed Spirit, especially to those Persons to whom Acids are injurious, and that it is much more proper for several Diseases, especially the Scurvy.

§ 6. For tho' the Spirit of Wine imparts to the Oyl of Vitriol a Diaphoretick Virtue, yet does not deprive it of its quality or property it has to open Obstructions and strengthen the parts.

§ 7. Maets *takes Oyl of Vitriol* ℔j. *Tartarised S. V.* ℔ii. *digest them together for a Night, and in the Morning distil them by a Retort; and* De Nova, *digests for a Night again, reiterating this Work three or four times, till the Acrimony of the Oyl of Vitriol is apparently abated.*

§ 8. Thus, saith he, you have a most temperate Menstruum for extracting the Tinctures of multitude of Vegetables.

§ 9. This Spirit allays the febrile heat and ardours of the Blood, powerfully cuts tough Flegm, and opens the most obdurate Obstructions; it breaks and dissolves the Stone and Gravel, whether in the Reins or Bladder, expelling the same by Urine.

§ 10. From the *Caput Mort.* an acid Spirit, but much less violent than that which is drawn from Vitriol after the ordinary manner, may be extracted by laying it in a place where it may receive the Beams of the Sun, Influences of the Moon and Heavenly Bodies with the Moisture of the Air, but yet so that no Rain may fall upon it, and leaving it there for about a Year.

[11. By this means the *Terra Damnata* (being deprived of its own

own natural Salt, but not of its Ferment) will be impregnated with the acid Salt of the Air; and become in a sort a new kind of Vitriol.

§ 12. From whence by the ordinary method, in about twelve hours time, you may draw an acid Spirit very pleasing (called by some *Spiritus Vitrioli Regeneratus*) which being compared with the fermer strong Oyl of Vitriol, may well be accounted among the number of the sweet Spirits of Vitriol, for which reason sake, we have discoursed it here. Dose ℈ij. ad ʒj.

§ 13. A sweet Spirit of Vitriol compound. ℞ *Vitriol calcined, to redness in Pouder* ℔iv. *Flints callined, and in Pouder* ℔v. *Salt of Tartar calcined to whiteness* ℔j. *mix and put altogether into a Retort, which place upon a naked fire in a close Reverberatory, with a very large Receiver, and distil as for the common Spirit and Oyl, till all is come forth.*

§ 14. *This done, cohobate the Liquor upon the* Caput Mort. *reiterating the distillation, and repeating this cohobation and distillation three times.*

§ 15. Thus have you a Spirit powerful to open Obstructions of Liver, Spleen, and Bowels, profitable especially in Dropsies and Jaundice, being used as you use the former.

§ 16. Spiritus Vitrioli Dulcis Paracelsi: ℞ *Common Oyl of Vitriol, cohobate it upon* Caput Mort. *and distil, reiterating the cohobation, and distilling nine times; with this last Spirit mix the* Caput Mort. *again, and affuse thereon so much Tartarised S. V. as may make the whole into a Paste, which put into a Retort, distilling with a gradual fire as before, so have you* Paracelsus's *corrected sweet Spirit of Vitriol.*

§ 17. This he commends against the Epilepsie, given a vj. ad xij. drops, or more in any Antepileptick Water.

§ 18. *Hartman's* dulcified Antepileptick Spirit of Vitriol. ℞ *Hungarian Vitriol, Childrens Urine: mix and digest for some days in B. M. then draw off in the same Balneo the Water or Flegm to drineſs, (which Water is good against the Gout, and a peculiar Remedy for most Diseases of the Eyes.)*

§ 19. *Pouder the feces, put them into a Retort, with a very large Receiver, and with a naked and gradual fire, force over the Spirit of an austere savour, and sulphrous smell, which rectifie twice.*

§ 20. This, says he, is an infallible Remedy and absolute Cure for the Epilepsie in Children. Dose ℈j. with a little Water and Spirit of *Peony*-Roots and Flowers, giving it in the Fit, and continuing the use of it so long as need requires.

APPENDIX.

XVII. *Oleum Mercurii per deliquium*, Oyl of Mercury by dissolution.

Salmon.] § 1. ℞ Choice Corrosive sublimate ℥xvj. which reduce cautiously into fine Pouder: Sal Armoniack sublimed, in fine Pouder also, ℥xxxij. mix them well, and put them into a Retort, with a Receiver luted to it, and distil and sublime in Sand: make a gentle Fire first, which increase gradatim to the fourth degree, and continue the Operation for eight or nine hours.

§ 2. Then take the distilled matter, and all the sublimed Substance, and grind them well in a Glass Mortar; which done put it

upon a Glaſs Plate or Porphory Stone in a cold and moiſt Cellar, leave it to be reduced *per deliquium*, into an Oleaginous Liquor, which is called Oyl of Mercury by diſſolution.

§ 3. Some make it from the firſt ablutions of *Turpethum minerale*, which in a Glaſs Veſſel are evaporated away to dryneſs; after which a Salt will be left at bottom: this Salt being put upon a Glaſs Plate, or Porphory Stone, in a Cold moiſt Cellar, will be reduced *per deliquium*, or melting, into a Liquor which will be a very ſtrong Corroſive, but contains truly much leſs of the Mercury than the former, and therefore nothing near ſo powerful to the purpoſes intended.

§ 4. They are both good (but the former better) for the curing of rotten and ſtinking ſores, old running Ulcers, Tettars, Ring-worms, Puſtles, Shankers and other Pocky breakings out in any part of the Body.

§ 5. Some dip Pledgets therein and apply them to the grieved part; but they are not for an unskilful hand to meddle with: the more ſafe way is to qualify them, by mixing therewith a ſmall quantity of Damask Roſe Water, or ſome other cold diſtilled Water, and then to waſh the Sore or Ulcer therewith, and ſo to apply Pledgets dipt in that qualified Liquor to the part affected.

§ 6. The former of theſe Oyls is only Mercury coagulated by the Corroſive Spirits of Common Salt and Vitriol, which being mixed again with Sal Armoniack by ſublimation is rendred very ſubtil and Volatile, and by Virtue of the volatile Sal Armoniack which is apt to liquifie in the Air, the matter or Salt melts and carrys with it all the mercurial Particles which are joyned with it by Virtue of the ſublimation.

§ 7. Glaſs Veſſels, and a Glaſs Plate are here Choſen in this work, becauſe Earthen Veſſels if unglaſed would ſuck moſt of the matter into them: and if glaſed, they would prey upon the Lead or Glazing, and ſo ſpoil the Medicament.

§ 8. This latter Liquor may be made with Spirit of Nitre, but then it will be of a more Violent Operation, and pierce too much, and be the cauſe of many dangerous accidents: and therefore it is rather to be prepared with the Oyl of Vitriol.

§ 9. If a few drops of *Oleum, Tartari per deliquium*, be put into it, a Mercurial precipitate will fall to the bottom, becauſe the *Alcali* of the Tartar will deſtroy the Acid which holds up the Mercury: This precipitate may be put into Pomatums againſt Tettars, Ring-worms, Scabs, Puſtules, Itch, &c.

XVIII. *Oleum Terebinthinæ*, Oyl of Turpentine.

Salmon.] § 1. ℞ Choice Turpentine ℔iiij. put it into a Retort ſo large, as it may be more than half Empty; and put to it a handful or more of Tow to prevent the Thicker parts of the Turpentine from riſing up when the Liquor diſtills: place the Retort in a Furnace and diſtil in a naked Fire, a Receiver being fitted & luted to it.

§ 2. The diſtillation is to be begun with a fire ſo gentle as only to warm the Retort, and force out the volatile Spirit: after which, the Fire is gradually to be Augmented, and ſo you will have 1. a clear Oyl, 2. A Yellow Oyl. 3. Red Oyl.

§. 3. Theſe are to be taken apart as

as they come over, in several Receivers: and when you see the Red Oyl begins to come thick, you are to put out the Fire, and the Vessel being cold to unlute them, keeping the several Oyls apart in several Vials close stopt.

§ 4. Where note, That you ought to put your Turpentine so nearly into the Retort, that it may not touch the sides of its Neck: otherwise if the Neck is fouled with the Turpentine sticking to it, it ought to be cleansed before you begin to distil.

§ 5. The Fire and Ætherial Spirit is Oleaginous, and is a Fine etherial Oyl mixed with a little Flegm, and a small quantity of Essential acid Salt, by which it is made very aperitive or opening.

§ 6. It opens all Obstructions in the whole Body chiefly in the Breast and Lungs, Reins, Bladder and Womb, admirably eases pains in the Back, and that to a wonder, drives forth Sand, Gravel and Slime, which obstruct the Reins and passages of the Urine, driving the Morbifick matter out of the Body: it eases a Nephritick Colick, dissolves Viscosities in the Bowels, and helps to cure or heal a Virulent Gonorrhæa.

§ 7. *The clear Oyl* has the same Virtues with the former Spirit, but is somewhat more Nauseous to take: and a mixture of this Oyl with the former Spirit, makes that which is generally sold at the Druggists shops.

§ 8. *The yellow Oyl* may serve to make Vulnerary Balsams with, being an excellent thing to discuss cold Tumors, ease Cramps, comfort the Nerves, ease pains in punctures, and Consolidate Wounds.

§ 9. *The Red Oyl* may serve for Vulnerary Balsams, as the former, and is indeed it self a Balsam, but a great fire is necessary to draw it; as to its red colour, it is caused from fuliginous Vapours mixing with it, in its passage out of the Retort.

§ 10. If you break the Retort, and take the Mass and melt it (separating it from the Tow) you will have a black sort of Colophone fit for Plaisters, &c. But if otherwise you encrease the Fire, and continue the Distillation, till no more will come forth, you will find in the Retort nothing but a Spongy *Caput Mort.* of no value.

§ 11. And after this manner you may distil Oyls from *Benjamin*, *Gum Elemi*, *Frankincense*, *Labdanum*, *Mastich*, *Olibanum*, *Rosins*, *Tacamahacca*, *Vernix*, and other like Substances.

§ 12. Besides this way of distilling Oyl of Turpentine in a Retort; there is another way of doing it in a Copper Vesica, with a large Quantity of Water, the manner of doing of which (in some other of our Books) we have taught at large.

XIX. *Oleum Carbonis & Gagatis*; Oyl of Sea Coal; and Oyl of Jet.

Salmon.] § 1. *Beat Sea Coal into Gross Pouder or into small bits, which put into an earthen Retort or a Glass one well luted, put it into a Furnace upon two Iron-Bars, and fit to it a large Receiver, luting well the Juncture.*

§ 2. *Make only a small Fire at first, so as to warm the Retort, and to force out the Flegm: then increase the heat gradatim, to a sufficient height, so will you have a Spirit and Oyl, and the Fire is to be continued till no more will come forth, after which the Fire going out, and the Vessels*

being Cold, you may unlute them.

§ 3. *If any Volatile Salt sticks about the sides of the Receiver, shake all together, that the Flegm may dissolve it; then put all together into a Glass Alembick, fit to it a Receiver, and luting well the Junctures, make so small a Fire at first as only to heat the Vessel, then increase it a little, so will the Flegm and Spirit arise, and carry with them a little very fine Oyl: this Fire is to be continued till all the Spirit is come over, and a thick red Oyl remains at bottom of the Cucurbit.*

§ 4. *The thin Oyl which swims upon the Spirit is to be separated; as we have in other places taught; the thick black Oyl which remains at bottom, may either be kept as it is, or it may be rectified (because of its exceeding fetidness) by mixing it with Calcined Vitriol, and so distilling it again.*

§ 5. Or it may be made into an Elixir thus: ℞ *Of this thick black stinking Oyl ℥ii. Spirit of Nitre ℥vj. mix and dissolve the Oyl in the Spirit: Then put to it Rectified S. V. ℥xxx. digest and keep it close stopt for use.*

§ 6. After the same manner is *Jet* to be distilled, in all respects, but because it is a more dry Substance, and has more earthy parts, it requires a stronger Fire.

§ 7. Also you must note, that whereas at § 3. above we advise to shake altogether, that the Flegm may dissolve the Volatile Salt, you will in some Operations not find Flegm enough; in this Case you are to put into the Receiver a small quantity of warm Water, so much as you think convenient to make a Dissolution of the Salt.

§ 8. The Water and Spirit now remain mixed together, which you may either use as they are, or separate the Water by Evaporation, evaporating one half or more as you see fit, what remains is Spirit of Sea Cole or of *Jet*.

§ 9. *This Spirit* is opening and has respect to the Head and Womb, and therefore good against Fits of the Mother, Jaundice, Obstructions of the Reins and Bladder. Dose a gut x. ad xxx. in any fit Vehicle.

§ 10. The fine pure Oyl, which swims above the Spirit and Flegm may also be given inwardly against Hysterick Fits, Apoplexies, Carus, Epilepsies, Palsies, &c. Dose a gut. j. ad vj. in some Appropriate Liquor; mix it with a little of the yolk of an Egg, and so it will the better mix with the Vehicle.

§ 11. *The black Oyl* after rectification is kept for outward Uses, to anoint the Nostrils, Lips and Wrists of Women with, in fits of the Mother.

§ 12. *The Elixir* has all the Virtues of the Volatile Salt, Spirit, and Oyls, but a thousand times more pleasant, and indeed more aperitive, penetrating and effectual: and may be given in a Glass of Wine, a gut. x. ad xxx. *plusminus.* All the Preparations of *Jet* have the same Virtues.

XX. *Oleum Tartari Distillatum*, Oyl of Tartar made my distillation. Salmon.] § 1. ℞ *Rhenish or White Tartar Grosly beaten, which put into a Retort, so much as may fill it about ⅔ full: put the Retort into a Reverberatory Furnace, fit to it a very large Receiver: and make under it a very small Fire for three or four hours, which may only warm the Vessel and force out the Flegm but guttatim: this water cast away.*

§ 2. *Fit to it again the Receiver, luting well the Juncture, and gradatim*

tim increase the Fire; and in a little time, the Spirits will Ascend, which will fill the Receiver with Clouds: continue the Fire and the Oyl also will Ascend: which when no more will come forth, let the Vessels cool, and unlute them.

§ 3. *Then put all that which is in the Receiver into a Funnel lined, with a Capsula of brown Paper inversed, that the Spirit may filter through it, leaving the thick black Oyl behind.*

§ 4. *Put the Spirit into a Glass Cucurbit, and Rectifie it by distilling it in Sand, drawing it off, not with a forcible, but a gentle Fire, which keep in a Glass close stopt for Use.*

§ 5. In the bottom of the Retort, a black Earthy Mass will be found; from which, being calcined in a naked Fire, you may by Elixiviation with Water, extract a pure White, fixed Salt of Tartar.

§ 6. From 48. Ounces of Crude Tartar, you will have of *Flegm* ℥iiij. of *Spirit* ℥viij. and of *Oyl* ℥iij. and there will remain of the *Caput Mort.* about ℥xxxij. out of which you may extract ℥xij. of *Salt of Tartar*, so that there will be left at last ℥xx, of *Terra Damnata.*

§ 7. If instead of Tartar it self, you should make use of Lees of Wine, you would have a very Volatile and Alkalous Spirit, which is supposed to be that which several Authors have writ of, and may possibly be that very Spirit which *Parcelsus* and *Van Helmont* have said so much of.

§ 8. But as for a Volatile alcalous Spirit from *Tartar* it self, I doubt it is not to be found: but because Tartar contains a good quantity of Essential acid Salt, this coming forth by distillation, with the Flegm, is all the Spirit which can be drawn from it.

§ 9. This Spirit may be rectified per se in a Cucurbit, if need be, to free it from any foulness which is in it; but to mix it with Coral, Crabs Eyes or other like Alcalies, is but to spoil it; for then if you should draw off a sufficient quantity of the Liquor, it would not be volatile Spirit but Flegm only, divested of its Essential Acid Salt, which would remain behind, absorbed by the Alcali, in the remaining Flegm, not drawn off.

§ 10. *The Spirit of Tartar* is Sudorifick, and Diuretick, and therefore exceeding good against the Scurvy, and being highly Aperitive, it opens Obstructions of the Viscera and Nerves, and so is good against Asthmas, Coughs, Colds, Hoarsness, Epilepsies, Hysterick Fits, Palsies, and other Diseases of the Nerves. Dose a ℥j. ad iij. in Peony, or Black Cherry Water.

§ 11. *The thick black Oyl*, is of use for Women Subject to Hysterick Passions to smell to, but by reason of its very great fætidness, it is not much used: but if it be rectified from calcined Vitriol, &c. it will be something better.

§ 12. But it cannot be any ways made pleasant to the smell, but by Elixirating of it first with rectified Spirit of Nitre, and then mixing it with three times the quantity of all; of rectified Spirit of Wine: then it may be given inwardly a gut. x. ad xl, in a fit Vehicle against most Distempers of the Head, Brain, Nerves, Joynts and Womb.

XXI. *Guttæ Goddardianæ*, seu *Arcanum Goddardianum*, Goddard's Drops.

Salmon.] § 1. Be *Humane Bones*, or

or rather Sculls well dryed, break them into bits, and put them into a Retort, and join thereto a large Receiver, which lute well; and distil first with a gentle Fire, then with a stronger, increasing the Fire Gradatim; so will you have in the Recipient a Flegm, Spirit, Oyl, and Volatile Salt; shake the Receiver to loosen the Volatile Salt from the sides, then close your Receiver, and set it in the Earth to digest for three Months; after that digest it in a gentle heat fourteen days, then separate the Oyl which keep for use.

§ 2. The Author of this *Recipe*, was not that *Goddard*, many of whose *Recipes* and *Prescripts*, are scattered up and down in several places of this Book, but the famous *W—Goddard*, a great Philosopher and Physician, who deserved well of the World in his Day and Time, and who has even in this Remedy left himself an Immortal Name.

§ 3. And this is the true Medicine which was purchased of the Doctor by King *Charles* the Second, so much famed through the whole Kingdom, and for which he gave him, as it is reported, many hundred Pounds *Sterling*.

§ 4. They that please may make it according to the Prescript; but in my Opinion, for 'tis possible a Dwarf standing upon a Giant's Shoulders may see farther than the Giant, it would be a better way, first to, rectifie the Oyl from the Flegm, then to grind the Volatile Salt with the Oyl, and so by a long digestion to joyn them together, *S. A.*

§ 5. You may make it of all the Bones of the Humane Body together, or if it be for a particular Intention, as for the Gout in any Limb, then of the Bones of those parts; but if for Diseases of the Head then of Skulls only.

§ 6. And you ought to chuse those Bones which have lain a long time a drying, for that they will have lost most of their Flegm, and for the same reason will yield their *Volatile Salt and Oyl* the more plentifully.

§ 7. These drops are of an ill and fœtid Smell, but being made of Skulls are an excellent thing against the Falling Sickness, as also against the Apoplexy, Lethargy, Vertigo, Megrim, Head-Achs, Carus, Palsies, Convulsions, and most other Diseases of the Head, Brain and Nerves.

§ 8. They cure the Vapors in Women, and Fits of the Mother, and remove the Obstructions and Pains of the Spleen.

§ 9. Dose, a gut. vj. ad xij. or xvj. and in extremity to gut. xx. in any proper Vehicle.

§ 10. But if you would take away their evil Scent and Elixirate them, *add to every Ounce of them Spirit of Nitre rectified so much as may dissolve the Oyl, which done mix it with four times the weight of the whole of Alcohol of S. V. and digest them together for a Month, so you will have a Medicine beyond all comparison, ten times exceeding the other in Worth and efficacy.*

§ 11. For it will not only be pleasant in Smell even to a *Fragrancy*, and retain all the afore enumerated Vertues, but as it will be much more sharp, volatile and subtile, so will it also ten times more powerfully open Obstructions, and become even a Restorer of Nature, and add Vigor and Strength to the whole Humane Frame.

§ 12. But in this last way, you must give it in a large Dose, as a gut. xx. ad 60. in a Glass of Canary,

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nary, in the Morning fasting, a little before Dinner, and last at night going to Bed.

§ 13. But before we leave this Subject, let me give you this following Note, *That the Bones being reduced into pouder by beating in a Mortar, and then prepared with Spirit of Nitre rectified; and that Dissolution mixed with double the quantity of the best Tartarized Spirit of Wine makes a Medicine much pleasanter both in Smell and Taste, and preferrable before all the other Preparations both for Vertues and Efficacy*, as I by a long Series of Experiments can truly tell. Dose, a gut. 20. ad 60. in a Glass of Wine, as in the former.

CHAP. IV.

Of BALSAMS Distilled.

I. * *Balsamum Apoplecticum*, Apoplectick Balsam.

Bate.] ℞ *Distilled Oyls of Cinamon, Cloves, Lavender, Limons, Marjoram, Mint, Rue, Rosemary, Sage, Rhodium, Wormwood, A. gut. vj. Bitumen Judaicum in fine Pouder ℥ij. Oyl of Nutmegs by Expression ℥j. Balsamum Peruanum. q. s. mix and make a Balsam.* It comforts the Head discusses cold Humors, for which reason it prevails against Apoplexies, Swoonings, and Palsies, being put into the Nostrils, or otherwise applied. Internally it is given a gr.iij. ad vj. &c. with some Cephalick Electuary.

Salmon.] § 1. This Apoplectick Balsam as it is now used, is only smelt to; but that can do but little good; if you will have it powerful to the intention, which is to cure all the parts affected, bathe it well in before a Fire.

§ 2. If the Head be afflicted you must anoint the Temples, Sutures of the Head, and Nostrils; if for a Palsie, anoint the Back-bone from the Nape of the Neck to the Rump, as also the Paralitick Parts.

§ 3. And be sure to do it twice a day, for a Month or six Weeks together, and be not weary; too soon giving over the use of a Medicine, tho it might be the best in the World, as it frustrates the intention for which it is used, so it disparages the Medicine, and causes the Physician to be slighted and despised, who otherwise may be a Man of Learning and Ability enough.

§ 4. If it be made for Great and Noble Persons who are able to pay for it, you may add *choice Musk, Ambergrise, A. ℥ss. Oriental Civet ℈j.* which being ground together with a few drops of pure Juyce of Limons, may be mixt with the Composition.

§ 5. With the Perfumes it ought not to be given to Women who are apt to be troubled with Fits of the Mother; but without the Perfumes they may freely take it inwardly; and that even against the Fits themselves, for which it is a good Expedient: it may be made into a Pill with pouder of Cloves, and so swallowed.

II. * *Bal-*