A short treatise of metal and mineral waters; viz. those of the Spaw, Bathe, Epsom, Northhall, Barnet, Tunbridge, and the New Wells at Islington ... / by E.P. [i.e. Ellis Pratt].

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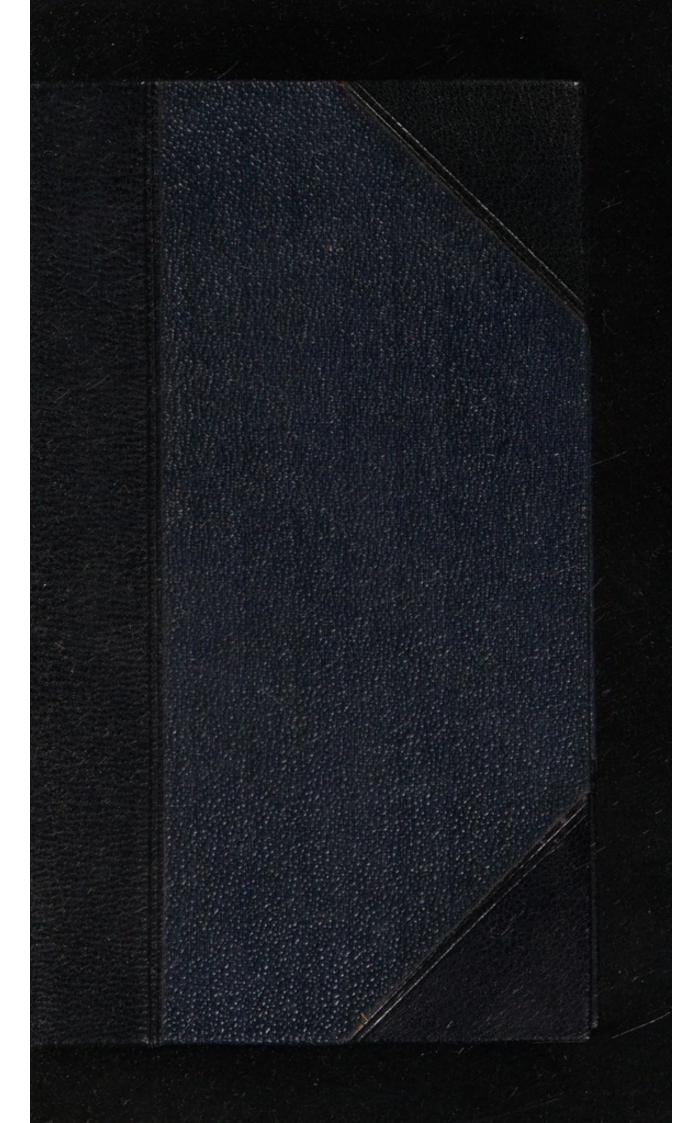
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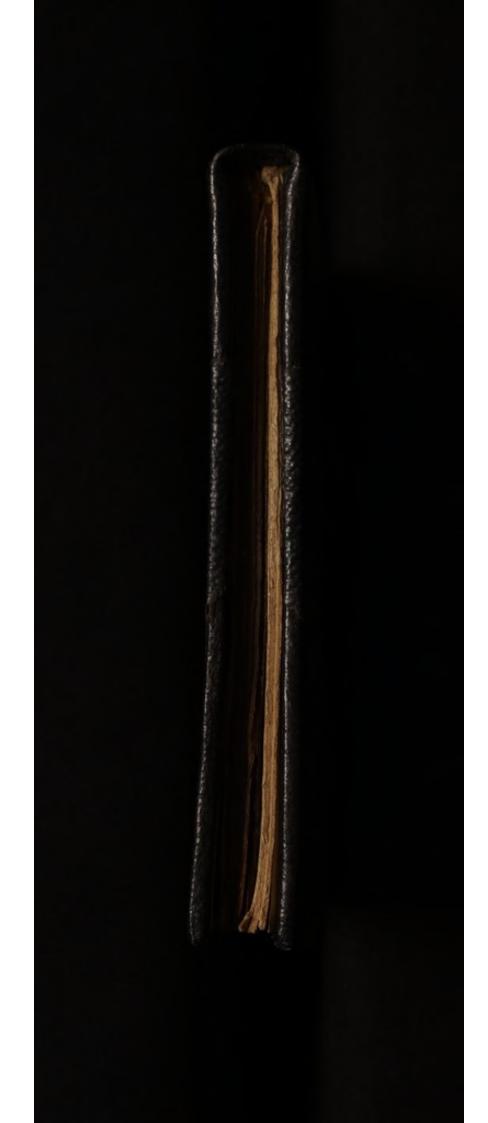


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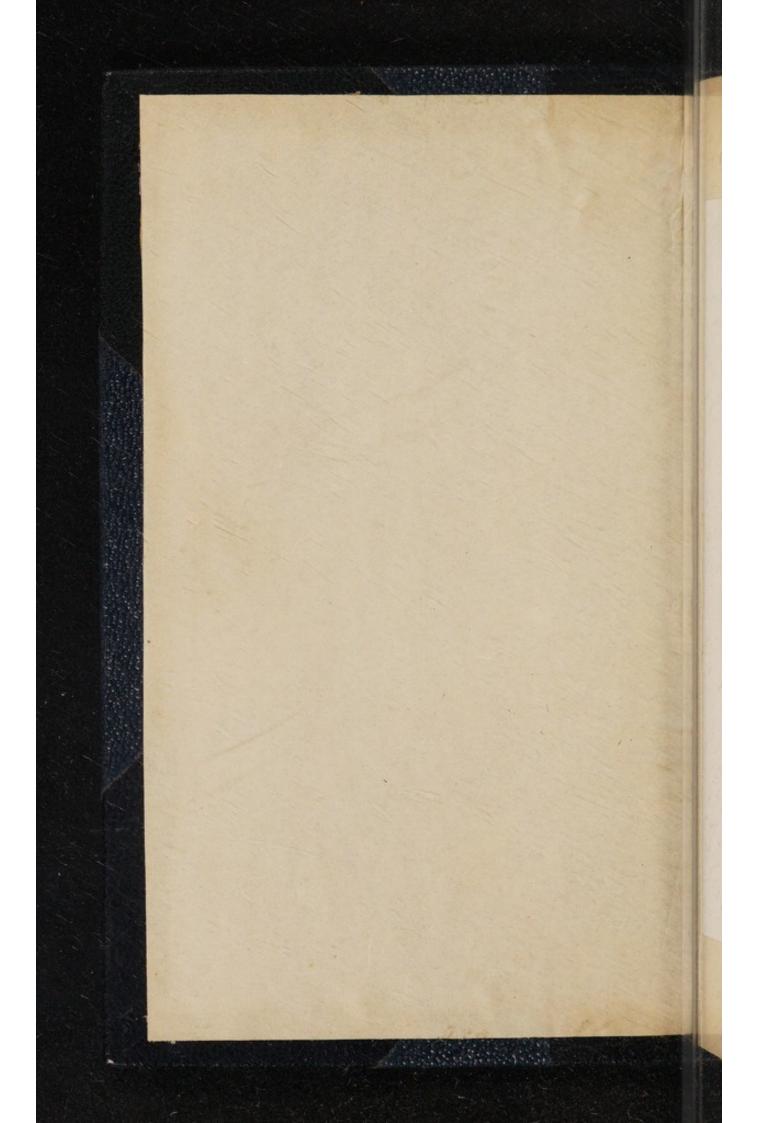












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VIZ. Those of the Spaw, Bathe, Epsom, Northhall, Barnet, Tunbridge, and the New-Wells at Islington.

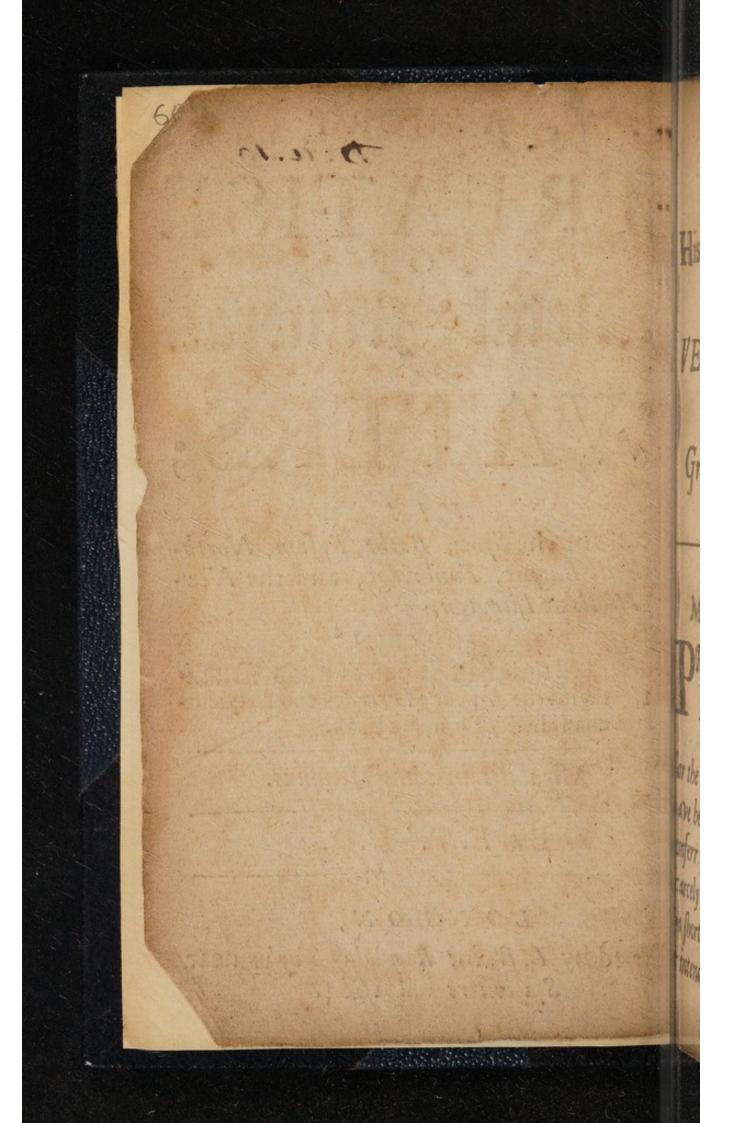
WHEREIN

s described their bad as well as good Dualities, with the danger of Peoples too frequentand unadvisedly Drinking them.

Mirabilis in aquis Dominus.

By E. P. M.D.

LONDON, inted by T.B. for Randolph Taylor near Stationers-hall 1684.



# His ever Honoured Friend The LADY VERE BEAUMONT, OF Grace-dieu, in Com. Leic.

Madam,

PRay be pleas'd to accept of this small Present; but not as any the least requital, I befeech you, or the almost innumerable favours you are been pleas'd from time to time to inferr upon me; since I fear it can arcely be call'd an Acknowlegment.

Thort, Madam, this short Treatise, intended for public benefit in general, but

but if it may, in the least measure, be serviceable or conducible towards the Preserving of your Ladiships Health, in particular, I have attained my Aim; and in an happy hour may then subscribe my self

Madda, this fight Theatill

chided for public benefit in centra

Madam,

Your ever oblig'd
Servant,

E. Prat.

Reader,

Am not ignorant that the use of Metal and Mineral Waters are often prescribed by Physitians against many Diseases; as Palsies, Tremblings, Ulcers of the Stomach, Reins, Bladder and Womb, Tenesmus, deprav'd Months, Abortion, &c. and though I know Sacred Writ says, Mirabilis est in aquis Dominus; because of wonderful and almost divine virtues given them by the Almighty Physitian; for the cure of many rebellious and contumacious Diseases; and that as Vitruvius says, ther's seen no more miracles of nature than in Waters: yet I would first advise all diseased Persons, that they would not be too hafty, and run hand over head, as they say to drink those Wa. ters, because it may be some of their neighbours, &c. told them they found benefit by them, without consulting the Physitian, whether they may be proper for them? forgetting the old saying, One man's Meat may be another's Poyson.

Next I would have the young Physitian, chiefly be prudent and cautious in prescrib-

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ing them, and not, as too often, to send their Patients, after they have put them to great cost, and wearied them with multitudes of Medicines, to the Wells, as their last refuge, without considering the nature of the Waters or the Sick; and not to send the intemperate, and full of foul humours, or that have hot entrals, or that abound with stinking, sharp malignant rebellious dregs, and who are full of obstructions, the notorious Parent of most Diseases, which are scarcely ever to be remov'd; For the se Waters are all of hot and dry qualities; some more then others, as proceeding from hot and porsonous Minerals, as you will see in this Book; so that 'tis impossible but theremust remain an Empyreuma, or coll ction of filthy matter, which in an intemperate and dispos'd body will beget a new kind of Disease, and augment the hot disposition of the Stomach, Liver, and other Entrals ordain'd for nourishment, if there were any; and this from Hipp. de aere, aquis & locis text.13. Aristot.. lib. 2, Meteor, c.3. Galen. l. 1. c. 6. de: simple facult. They may work miracless in some Discases, but rara non sunt artis,

fitian, instituted in the sound, safe and Orthod x doctrine of Hipp. and Gal. promiscuously and immethodically to prescribe them almost to all People and Diseases; as your Diobolory, I had almost said Diabolary Empirics, and wretches in Town do their Family Pills, their Friendly and Popular Pills.

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Then as for Ulcers of the Stomach, I cannot but think them improper, being too hot, as proceeding from Nitre, Sulphur, Vitriol, the last of which is altogether of a contrary nature to Man, as being of a poys nous quility; as for Gold, Iron, &c. the Learned Fallopius, who understood the nature of Water's certainly as well as any man, believes they impart not any of their quality to the Water. The same may be said of Ulcers of the Reins and Blider, which, for the most part will admit of no cure; by reason of continual afflux of sharp, watrish humours, wh reby their detersion, and desiccation is hindred; so for Ulcers in the Womb, and preventing Abortion; these Waters are not of so drying force to work such effects.

So that I cannot in reason see how these Waters should be so proper for so many Diseases for which they are extoll'd, for they are all samous for their potential, as they call it, and hidden heat, in an eminent degree, whereby they destroy the native economy and temper of the Entrals: and imprint in them an extraneous heat, and so cause Dropsies, as Hipp. noted in a peculiar Example of his, and a 1000 other dire diseases, which prove incurable, and hasten death.

Certain it is some Physitians, for private filthy lucre, promote the Waters, and even discover new ones: And though many out of a good intent, in Books, extol them, yet let none precipitate themselves into danger of another, and perhaps morse disease, but advise with the Learned Physician

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#### OF THE

# NATURE

Medicinal Waters.

### CHAP. I.

Of the Matter Origine of Fountains in General.

A ND here I shall be brief; intending not a speculative Philosophical, but a Medico-practical Discourse, for information and instruction of the unlearn'd, and not for Learned Philosophers and Physitians.

Now'tis clearly my Opinion, with the Divine Plato, Aristotle's Master, and before him Thales Milesius, as also Philo, ib. de mundi opisicio; the great Seneca, 3 c.1. quest natural, and others; that he Original of Fountains is from the

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Sea; from whence, through Sinuolities, Veins and Meanders of the Earth, water is carried to certain places, where it breaks forth and continually flows; it may very probably be conjectur'd they had this from the greatest of Philosophers Salomon, who in Eccles. 1.7. says, all Rivers run into the Sea, and it overflows not; unto the place from whence they came thither they flow again, and indeed scarce can there be: affign'd any other reason why the Seal doth not redound by fuch a dayly concourse and afflux of Rivers; unless because the Rivers do again flow out of the Sea, and return and pay only for much to the Sea, as they borrowed therefrom. Although the Evaporation and Extraction of watry Clouds by the Attractive force of the Sun, iss no small help: and other material helping causes are Rains and Snows, which augment (though they do not generate) the Rivers; for these helps being withdrawn, heat of the Sum approaching they become Rarefied, and the neighbour parts of the dry'dl Earth

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Earth drink them off. Whence, Kings 17. 7. the River Careth is said to wax dry by reason of the Sun's too great heat.

But we have one Cardanus impiously and Atheistically disputing against Salomon, subtil. c. 2. de Elementis, whom we shall endeavour to satisfactorily answer and enervate; though God Almighty's Power and Wisdom, might be oppos'd as answer enough, and Sacred Scripture ought to be of more Authority than all humane fagacity.

First then he says the Sea-water, because 'tis heavy, cannot ascend to fuch an height, as the tops of Mountains; but to this have been several refutations; some ascribing this motion to the operations of the Celestial bodies; and they say this motion is not violent, (though it be contrary to the private inclination of its proper form) if the Potentia obedientialis be considered; whereby inferior Bodies are made to obey their Superiors, &c. Others say there is a certain infite, B 2 attractive

attractive faculty in the Veins of the Earth, whereby it fucks Water out of the Sea, as the Veins of Animals fuck Blood: others there are but too long for this place, and wholly Philosophical and so not easily to be understood by ordinary capacities and so I

omit them.

Then Secondly, he fays before the Water could reach the Mountains out of the Sea, there's no reason to be given but it would break forth: But the Earth hath passages in some places and in some none. Then whatsoever he assigns to be the original of Fountains, it may be queried why in some places and Mountains there are Fountains and Rivers, and in some none?

Then Thirdly, he fays, if it were so, Rivers would never be less; but it may be answered Rivers sometimes grow less from what portion is lost which comes from falls of Showers and Snows; and when part is suckt up by the dryness of the Earth, and heat of

the Sun &c.

Fourthly, he fays the Sea would not

not satisfy so many Rivers, when the greatest part of Waters vanish by the heat of the Sun; But it may be anfwered that the Sea receives only as much as it gives forth; as Salomon fays, Rivers flow to the Sea, that they may flow out again; then if the greatest part of Water should vanish, the Sea would long agone have been wasted; but the extracted vapors are recondens'd into Waterwhich either flows into the Sea, or falls upon the Earth, to augment the Rivers, which at length unburthen themselves into the Sea.

Fifthly, He says, there can be no reason given why it should slow from one Mountain and not from another; But the answer to his second Ob-

jection solves this.

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Lastly, He says, Fountains and Rivers would tast saltish and brackish. But to this is answer'd that Sea-water, whilst it passes through various Veins, Sinews and Meanders of the Earth, and so being as it were strein'd it sensibly deposes its saltness and bitterness. Hence the more remote Fountans

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Fountains are from the Sea, the sweeter they are. If any shall say, that the Water was more likely to contract a bitterness by reason of the Exhalations it receives from the Earth: it may be answered, that they are not any sort of Exhalations that produce bitterness, but only adust ones; and all are not such in the intrals the Earth. Therefore now Cardan, we may conclude, I hope, hath not got any thing by contradicting Solomon.

#### CHAP. II.

Of the Division of Fountains and of Mineral and Metal Waters.

Aving in the former Chapter given the Reader a plain account of the Matter and Origine of Fountains, we should in the next place, see how many forts of Fountains there are, but because 'tis the work of Natural Philosophers and Hydrographers;

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phers; and nothing of an advantage to our present purpose we shall wholly omit it, and only speak of Mineral and Metallic Fountains, as being the subject of our present Discourse. Now those I call Mineral and Metallic Waters, which participate of the na. ture and faculty of that Metall or Mineral through which they pass in the Caverns and Veins of the Earth. The which are either I Salt, 2 Vitriol, 3 Allumn, 4 Bitumen, 5 Napiba, 6 Nitre, 7 Gypsum, 8 Arsenic, 9 Cadmia, 10 Antimony, II Chrysocolla, 12 Ochre, 13 Lime, 14 Asbes, 15 Pummice-stones, 16 Gold, 17 Iron, 18 Brass, 19 Lead, 20 Brimstone, and 21 Quickstver. Now as I said the Minerals through which Waters pass, bestowing upon them in their journey a considerable part and portion of their good and bad qualities; I thought it very requifite, before I discours'd of the use of the Waters themselves, to say somthing of the Natures and Properties of the Metals and Minerals they are mixt with that thereby you may be the better

ter able to judge of the nature of the Waters proceeding from them; then

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we will begin with Salt.

The faculties of Salt are great, many and very useful to man; but not so necessary in Physick, as many think; fuch as your Quacking Chymists, who predicate many wonderful and vain stories of Salt reduced by their Chymical Art; for they audaciously affert that their is a Purgative faculty in Medicaments because of Salt; and when they have got some Extract from any Medicament, then they prefently aver that they have got its Salt for footh; but these being things above the vulgar capacity; I shall say Salt is very Conservative, of an Astringing, Absterging, Purging, Discussing, Repressing, Extenuating quality, and vindicates the Body from Putrefaction; yet some Salt is better then others; but us'd immoderately produces very bad effects, as sharp, salt corroding humors all over the Body, Seabs, Leprosie, the Stone, and other dire Diseales; as Dulness of sight, disorderly FerFermentations in the Blood, rendring it thick and earthy by burning it; Schroder thinks thus of the Original of Salts; the Macrocosm he says, as the other two Kingdoms, i.e. the Vegetable and Animal, is susteined and lives by its food; in this abounds a falt, answering to the salt Excrements in the Sweat, Urine, and Dejections in Animals; now the Salt of the greater World congregated into the inferior Glob, is of a dverse kind, according to the variety of its Matrix, even as the falt Excrement in Animals is different; hence, Common Salt, Salt Gem, Salt Nitre, Alum, &c, abore

The Greeks call that Calcanthum, which the Latines from its blackness, call Attramentum Sutorium, or Shooemakers Ink; and from its spendent vitreous Nitre, Vitriol; Dioscorides a man of profound Judgment in the Materia Medica, reckons three sorts thereof, two Native, and one factitious; one sort of the Native is found concreted in the bowels of the Earth; another is collected in form of a Wa-

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ter, out of some Mine, which put into a Vessel soon coagulates into Vitriols as for the factitious we have nothing to fay to that here: the Native or Fossile Vitriol participates of Calcitis, Mily, and Sory; the Native and White: WA is prefer'd in the Medicinal uses :: link which the Metallicolous Alchymists Say is produc'd by their Sulphur and Mercury; as of Sperm; which they indifcriminately exhibit to all affections, out of which they draw a certain acid Liquor, a few drops whereof mix'd with Syrup of Violets, acquire a mon: elegant colour and taste: But Oyl of Sulphur will do the same, and a few drops of one or both of them infused in the Syrup of Roses, will make the whole Liquor red; which they call, for sooth, Tincture of Roses.

Now Nature 'tis true hath enrich'd Vitriol with eximious faculties, which skilful Physitians have both experienc'd and left describ'd; as Galen, Dio-scorides, Paulus Ægineta, Ætius, Oribasius, &c. who have very much nobilitated it: it heats, binds, drys, kills

broad

road Worms, helps against Toad poytion, preserves moist flesh, and drysup numors, drives away Putrifaction, roboates the inward parts: outwardly it pinds, purges Ulcers, caufes Wrincles ike Alum, with whom it hath relation; But besides these excellent qualities Viriol hath also its bad ones: for it is ill for the Stomach, acrimonious, corrofive and vomitous; and therefore ignorant Quacksalvers and Women give it some-1800 times in Wine, and sometimes in Rosewater in uncertain weight, against Quotidian and Quartane Agues, and mamy other Diseases, and indeed the Fever is often resolv'd by vehement Vomiting, but this Medicine being unskilfully Administred proves most ofren more formidable than the Disease.

Alum is, as it were, the Brine of the Earth; whereof Dioscorides makes three forts; the Round, the Liquid, and the Jagged, or Scissile, the last is often call'd Plumeous, for they are so like in form that they can scarse be distinguish'd, yet they differ both in nature and qualities, for the Scissile is

manifeftly

manifestly binding, and may be burn but the other is Acrimonious, and sid fers not by fire. Mathiolus, says he fai and tasted a Liquid Alum; of which afferts, that he never found any thin more Astrictive. Now when Alan is fimply mention'd, we mean Rocci Alum, which is a faltness of a Minerr Earth, of a Leadish nature, consistim of an acid spirit, and a caustice Earthy falt; and all Alum is of Craa parts, binds much; whence 'tis call' Stypterion in Greek, because it is Styr tical, it heats, cleanses, amends putril Ulcers, dryes humid ones, absume superfluous flesh, takes away itching cures the Scab, and very useful in many Medicaments made for the Current of Ulcers.

Bitumen, which the Greeks call Appliates, is as it were the fatness of the Earth swiming above the Waterss which being cast upon the shoar which being cast upon the shoar and inflamable: As long as it swimmen on the water 'tis soft, but when 'tis on it becomes thicker and harder, among the second statement of the water is soft, but when 'tis on it becomes thicker and harder, among the second statement of the water 'tis soft, but when 'tis on the water 'tis on the water 'tis soft, but

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sembles dry Pitch; yet easily melshe dat the fire. Many Lakes are bitumibus, but especially one in India, thence and the dead Sea, Alecause of its vastness, and because Water remains almost immoveble; not stormy, but heavy, salt, thick, and stinking; wherein neither Plants or Animals breed; neither doth it nouwish such as are put into it, or admit

hem into its bowels.

All Bitumen is not folid and hard; ut some is perpetually fluid and liuid, call'd Naptha; which is the treining of Babylonian Bitumen, white of colour, and most capacious of ire; for Fire and this are so near a tin, that it will presently leap into Bitumen. For its Virtues all Bitumen discusses, mollisses, glutinates, desends rom inflammation, by olfaction, suffunigation, or imposition; mends the trangling of the Womb. Naptha extenuates, incides, digests, penetrates, absumes frigid and thick humors in hall, parts of the Body, and cures the Resolution

Resolution of the Nerves, Palsies, am diseases in the Veins and Arteries from cold cause.

Nitre of the same nature with the

Gypsum, is a kind of Talk, of the nature of Lime, whose hot, fiery, cause

stic quality every one knows.

Ratsbane, or Arsenic, is between a Salt and a Sulphur, 'tis of such an aicrimonious, corroding, hot quality that it will burn to a crust; dissolving, destroying and preying upon the Principles of Life; malignant, and am Enemy to all Natural parts; and to the Radidical moisture, and innate heat; and therefore was very ill advis'd of Nich. Alexandrinus to prescribe it for an Ingredient in the greatt Athanasia, says the great man of skill in the Materia Medica, fohannes Renodeus; for by permixtion with other Medicaments it doth not depose its malignity. The Learned Schroder fays 'tis one of the highest Poysons; for befides its acrimony, it is an Enemy to our Natural Balfam of Life, so that it brings

prings strange symptoms, not only taaken inwardly, but apply'd outwardy; as Convulsions, numness of Hands and Feet, cold Sweats, Palpitations, Faintings, Vomitings, Corrosions and

Torments, Thirft, &c.

Cadmia, Metallic, 'tis the Stone out of which Brass is drawn, and is call'd Brass. Ore, which Artificers use in making Yellow Brass, which the Shopmen call Aurichalcum, or Orichalcum, and 'tis probable this is the Stone which Albertus Magnus calls, Didachos, or the Devils-stone: Cadmia discretes gently, absterges and helps humid and putrid Ulcers, and draws them to scars; Schroder says 'tis Caustic, and that it ulcerates the Hands and Feet of the Miners, and taken inwardly kills all Creatures.

Antimony, or Stibium, or the seventh Metall, which some say is Mercury, others Ambar, but neither of these are more than in a potency to be Metalls; a grand Alchymistical Quacksalving Idol; the sole Empyrical, Chymical Cathartic; whereby they boast to

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cure all Diseases; but it most devilshly disturbs mens Ventricles by moving wor upwards and downwards; others in her miserably torments by vigorous Purging; some it kills and restores very few to perfect health. One Corneliuss Gemma, a Physitian of Lovain, relates, how a Paracelsian English Quacksalver, being himself and his Wife sick of at Fever, took himself and gave to his Wife, that which they call prepared Antimony, whereupon she fell quickly distracted, and changed her Life, yet valid, with death; and he complaining of Dreams and continual Watchings, seven days after his Dejection, began to Rave; from that he became Epileptical; from his Epilepsie he fell into a Lethargy, being therewithal somewhat Apoplectical: when he had been three days in that fopor, he fell again to his raving, and was so agitated with fury, that not long after he expir'd and pass'd from his conjugal Bed to his conjugal Tomb: and howfoever the Chymists cry up their Preparations of Antimony,

yet as able Physitians as any in the World forbear to exhibit them because they have much better Medicaments wherewith they may more securely cure any Disease. And I could give a large account of the dismal Accidents that I have known happen by the administring of Antimony: and my ever honoured Master Dr. Patin, Regins Professor in Physick in the Famous University of Paris, wrote a Book which he call'd the Martyrology of Antimony.

Chrysocolle, which the Shopmen, following the Barbarous Mauritanian Idiome call it Borax, is found in the Golden, Silver, and sometimes Bramenia, Macedonia, and Cyprus; it heats, checks superfluous Hesh, and is mordacious; it produces Ulcers to sanity, but taken at the Mouth 'tis perillous, says Renodeus.

Ochre, is a kind of Yellow Earth nuch commended in Affrica, not lapideous, but friable, clayey and smooth, t binds, corrodes, discusses Tumors, and represses Excrescences.

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Gold

Pocket; most certainly; for omne cardiacum debet esse humidum & Calidum: aurum autemest frigidum & sicum, i.e. every
Cordial ought to be most and hot, but:
Gold is cold and dry, Ergo Gold is no
Cordial at all; and nothing indeed is:
Cordial but what nourishes; a Glass
of generous Wine, and nourishing;
Broaths, and such Diet are the greatest:
Cordials under the Sun.

of Mercury and Sulphur, not so meltable, cruder, or rather of Sulphur and Salt; mixed with the Cruder parts of the Earth: it binds and opens, as the Chymists says; the opening Virtue is chiefly in its more Volatile part, and so in the Salt; the Astringent virtue lyes in the more fixed part, and so in the:

Earthy.

Brass, was formerly dedicated to Venus, from her Island Cyprus where great plenty was dug; 'tis either of a Golden color call'd Anrichalcum; or redder, and then call'd Brass absolutely.

Brass was of more use among the

Antients Hi

Antients, than either Gold, Silver or Iron; for the first money was Brass; and hence we meet with Erarium, publicum, Es ali num, Qu stor er rius, their Warlike Arms also were not of Iron or Steel, but Brass as also their

Statues and Temple doors.

Lead, according to the Alchymists, is both dedicated to Saturn and called Saturn, and in their opinion 'tis generated of impure Quicksilver, and a little impure Sulphur, and 'tis thought that not only under the Earth, but in the open Air also it augments, and therefore Cardanus, thinks it endamages houses by its weight: for its Virtues, it refrigerates, binds, and thickens, &c.

Fossile or Native Sulphur is naturaly generated out of a certain fat portion of Earth; much whereof is in
Lipara, Melos, and such like places,
t is much in quality a kin to fire, for
f be cast upon Coals it will burn, and
not be extinguished, till all its oleous
and fat substance be wasted; that
Sulphur whereof your Quacking Chymists

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tell

is not common Sulphur; yet 'tis mixed, though they affert it to be a principle of mixture. But no more of that here. It heats, cooles, resolves, curess Coughs, and difficulty of breathing, taken in an Egg, or burnt and its smoak catch'd, moves Spittle: mixed with Butter or Swines grease, it mittigates and kills the Itch over the whole Body; and mixed with Turpentine it cures Tetters.

Mercury or Quickfilver is the prime Idol of the Alchymists, which they pronounce to be the principle of thingss and Sperm of Metals; and indeed for true each, that nothing more false;; for if Metalls have any Sperm, 'tiss with within themselves, not else where to be fought; nor will ever mixt bodies naturally resolve themselves into Salt, Sulphur and Mercury, though these Chymical Vulcans will be hammering them out, as the Learned Im Philosopher and Physician Riolanus hath proved against them. This Quicked filver its as it were, the Monster off Nature, which will not be subject to

Naturen

Natures Laws; 'tis more fluxible than Water, more permeable than Vinegar; tho it moistens not; sometimes cures cold diseases; sometimes hot: when it seems cold it induces hot effects; when hot then cold ones; it sometimes hurts in small quantities, always in great; it easily loses it proper form, and in this 'tis miraculous, that it often profits being taken inwardly; and often causes Palfie, trembling and other sad effects when apply'd outwardly; Falop.de Lue Wener. 'tis such a Beast that can scarce be tam'd by any Art; So that Galen the Prince of Physitians, next Hippocrates, durst not use it; having learn'd of Dioscorides that it was Poysonous. Its qualities are yet under debate; for some, from its effects, say 'tis cold; othere follows of there follows of there follows of thers follow, fay 'tis cold and moist; Fracastorius, Tomitanus and others, who attribute a corroding faculty to it, contend for its heat. But Renodeus, with Trajanus, thinks it to be of a mixt quality, participating of many other faculties. Stures

faculties, but consisting chiefly of subtile parts; for it incides, attenuates, penetrates, melts, refolves, loosens the belly; and what is most to be admired, partly by an attractive quality attracts humors from the superficies to the Centre; and excludes them by stool;; and partly by an impulsive faculty, them from the Centre to the habit, and ejects them by salivation; and itt often works by seige when it should! salivate; and ofetn salivates when it should move downward. Thus much of the nature of all the Metalls and Minerals from whence the Waters proseed, now a few words concerning the: manner have the Waters acquire their: virtues from them.

Now all these Waters are of a mixt, not simple nature, for they proceed and pass not from and through one Quarry or Vein of the Earth only but from divers; and therefore acquire diverse faculties according to the divers substances which they draw along with them: as for Example, if a Water arises where is generated a Quarry or

Vein

Vein of Sulphur, from whence it passes where Iron's generated, or Lead; this Water more certainly shall acquire mixt faculties to it self; and yet it shall attract more of the substance of the one than the other, according as any one quality makes more impression than another: and many times fo comes to pass that the Water proceeds from and passages through passages where the Metall or Mineral is not yet perfectly generated, then you must expect it to be of an hot Nature, but not so much participating of the Metal or Mineral; the reason is because all Metalls and Minerals have heat for their efficient cause, and therefore if the Waters pass by while the Metall or Mineral is in generating, and where there is the cause of their generation, which is heat, they will consequently become hot; whence they will prove to be actually hot, and of a firery quality; and this shall be more or less according the more or lesser acting of of the Heat; or by reason of the longer or shorter stay of the Water, or 1/11

by reason of the nature, quality am fubstance of the Matter which is morn or less permiscible. For that the Waters do effectually attract the Vin tue of the Quarry or Vein, there are three things requisite (viz.) that hear perfom it parts well; that it acts opo portunely, and those things which ought to be mixt, be fit to be mixt: So that fince these three conditions aree required to the compleating the works it comes so to pass that although Wan ter do sometimes participate of more Quarries or Veins; yet it shall retain the faculties of one more than another; either by reason of one of these eauses, (viz.) either because heatt was more active, or from its longer flay, or from the Matters being more wor apt, or lastly from all these causes conjunct. Now a Quarry or Vein doth not impart its substance or faculties to the Water one manner of way only; butt either it so imparts it, as its substance, is truly and really mixt, with its and those Waters and reteins their faculs ties for a long time and to some pur-

## Df Medicinal Waters.

pose: or else they are mixt not with a true and real mixture, but are and when they are mixt by fuch a kind of confusion, the Waters of the Quarry are not all one, neither are they truly mixt, for one may separate one from another: sometimes lastly they are mixt, not because of the substance of the Quarry is mixt with Water; but only vapors elevated from the matter are permixt; And fince it happens as you may understand that mixtion is perform'd by these three manner of ways, 'tis no wonder if Water mixing it self in several Veins, shall attract and contract to it felf the faculty of one more than another. As for example; if Water that shall be perfectly mixt in one Quarry, with another confusedly only, and with another, with the vapors only, and not with the substance, it shall retein much more of the nature of that wherewith it is perfectly mixt, than the other.

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facula

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#### CHAP. III.

Of the Waters of Bath, and their Causes.

Waters being of so hot a Nature, thatt throw but a Fowl therein and it shalll immediately deplume it; put Fish and Eggs therein end it will prefently concoct them; that these Waters are so hot of their own nature, I cannot believe; for all Water is always, and of its own Nature cold in quality; and if it become hot by accident takes but away the heating cause thereof, and it shall return to its prestine cold temper of its own accord, without any thing of an altering nature being adhibited: For there are Rivers in hot Countries that are not very hot from the heat of the Sun: So that I conclude these Waters to be hot in the: Caverns of the Earth from an outward

ward cause: which that it may be nade more plainly manifest, we shall priesly inspect into the causes of Baths.

Concerning their efficient Causes heir are likewise various opinions; pmitting the whimfical frothy conceits of the Chymists; let us see what he more found and folid fort of Learned Philosophers say to the business; some ascribe this virtue to the Rays of the Sun with Thermophilus, who held that the Sun penetrating he pores of the Earth (for certainly he Earth is porous and Spungy,) was in its bowels there fortified, and nade more active in heat; so that like Fire it heats Water, and what ever it neets with, and even burns what it neets with combustible; but if this were so, these Baths would be so not in Summer only, not in Winter; or at least it would follow that these Springs would be less hot in Winter than in Summer, contrary to all experience; for every Idiot can tell ou the Springs, &c. are hotter in Winter than Summer, the cause where-

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of the Learned Philosophers ascribe tt that they call Antiperistasis, that is, iii plain English; the Earth is hotter within in Winter when the Sun's absent, than in Summer; and so they'll tell you that their Sellars are hot in Winter and cold in Summer. Secondly, I canno conceive how the Sun should penetratus into such deep Caverns of the Earth ass by force of its heat, to make the Waa ters therein to become so hot; where we see, it cannot effect the same on Lakes in any hot Region: Then 3ly We know that there are Baths found in the most cold Countrys, as Island, &c Some with Mileus will have a Wind on a Spirit vehemently toss'd and mov'd up and down, and so penn'd up grows hot, and so coming to fall upon the Waters overheats them. Democritus says, they receive their heat from Ashe and Lime: others think these Water grow hor by reason of vehement mo tion and beating against the Rocks and not a few there are which say than the matter through which they pass heats them, which they say is the realbut, because they flow from Sulhury Veins. Others, o'th other side, will have the cause to be an extream cat within the Earth in those places, which overflow with hot Waters; and earned Dr. Forden our Countryman I mistake not, thinks they derive neir heat from the fermentation of setals in their Generation; to which required an actual heat with a cerain humidity; and some affirm that hunder heats the Waters, as may be seen from Maulius;

ignes,

na nubes.

Les penetrant Terras, Athnamque imitantur Olympo,

Will Et calidas reddunt ipsis in fontibus undas.

Lastly, the Chymists will have the Wa
white ers to wax hot from a mutual combat

middle of divers Salts or Mineral

middle odies; after the same manner, as we

see in the conjunction of Spirit of V triol or Salt of Tartar, as from the two fires the Glass becomes so hot,

Ut multo accensis, servore exuberat undiss Clausus ubi xusto liquor indignatur abenie

Now among so many disagreeing opi nions, when there can be but om ith' right on't; Aristotle the great fearcher into the Secrets of Na ture, in my opinion hit the Nail o'th head, who following Empedocles, the Disciple of Pythagoras when he saw these Therm or Baths, so call'd from Deguds, Calidus, to be so hot, though they could become so no other way! than from a most fervent cause because all Waters of their own Na ture are cold, and could think the efficient cause to be no other then Fire included in the inmost parts of the Earth, and there, as it were, primoge: neally refiding; of which the Epicure an Poet and Philosopher,

rincipio tellus habet in Corpora prima,
nde mare immensum, vo ventes flumina
fontes
'Sidue revomunt habet ignes unde oriantur,
Iam multis succensa locis ardent sola
Terræ.

Now that there is Fire under the arth, besides the hot siery water prings; the Lime, Ashes, &c. which are omited and dug out of the Earth, lay confirme and persuade us; as eing the genuine effects of fire; o fay nothing of Smoak and Soot, reaking out of the Earth; and some places fire it self; therefore ubterranean fire, which Kirkerus alls pyrophylacia, i. e. a Prison for tre, is the most certain cause of the eat of the Waters, For while those prings of Waters upon the Mounins, are carryed by the Veins and newy bendings of Metalls, in maner of Dragons and Chaldrons in the aths of the Antients, writhed and twisted

Meander; and from thence attract the Virtues and Vices, as I may so say, co Metalls, wherewith the Water is time ctur'd, they wax hot from the natural fire Subterraneous to those windlings, even just as Water in a Pot is head by Fire; and Bartholine says expressy that Fire doth not heat the Water attempted the manner above related from Aristotle and Empedocles; but that the Pipes or Veins of the Earth conteins Fire it self within them,

Now the VVater becomes more on less hot, here and there, First, as the matter is found more or less apt for heat; Secondly, as that Fire is nighen or farther off the VVater, whence in fome places Fire breaks out together with VVaters, in some places VVater without Fire to be seen. Thirdly, as there is a present quantity and proportion of matter, as for example, and great quantity of VVater would extinguish a little Fire, so that we see no Richard ver to be so hot, much less a Lake, least of all the Sea.

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But since so much and lasting a Fire cannot continue without some food, or maintenance, therefore it must necesfarily have some Matter to nourish and renewit. Now this matter must be fomething that will burn, either dry, or oleagenous. Lands taken from the Fens and dryed, they call it roafted, cannot be the fires continual matter; for it is soon consum'd by the Fire, and it burns only by reason of the Roots and Herbs and Grafs which it contains; wherefore it must be oyly, fat matter; Now the fatty things which are begot in the Bowels of the Earth, are chiefly Marle, Bitumen and Brimstone; now Marle burns not, nor any Earth, unless it be Sulphurous, or Bituminous; so that we may certainy conclude that Bitumen and Brimstone nd Oyls are the material cause of the ot Baths: hence Baths are call'd Sared, because they abound with Sulbur, with which the Ancients us'd to xpiate their offences, whence the Greans call it Theion, i.e. Divine; For hatsoever is annointed with Oyl or Bitume

34 Bitumen and Brimstone, it presently takes fire: For moist and fatty, by consent of the Philosophers, is the ge-

nuine food of Fire;

As for the nature of our Baths im Somersetsbire, Physitians are divided among themselves, some saying once thing and some another: Dr. Turner, who hath wrote concerning them fays they confift of Sulphur and Coppenie mixt together: Dr. Forden and Drive Venner, Practitioners at the Bath, william have them impregnated with Sulphur Nitre, and Bitumen, Dr. Venner becausse he judges Sulphur to have the dominate nion; but Dr. fordan is for Bitumen Others will have them confift of neither ther; as Lossius, who in his counsient concerning these Baths, when he had given his opinion, that the material cause of Baths in general was Sulphund Oyl and Bitumen; tells you afterward that the Baths in Somersetsbire conteins neither Brimstone, nor Bitumen; as h ving neither taste nor smell of either and says if you distill them in a Glad Alembec, you will not find the least significant

of either, but a certain substance like Salt, such as is found in Pipes, through which Water runs into Cysterns; and this he takes to he a kind of Nitre, wherewith that ground be fays doth much abound; mixt with a portion of one Vitriol: and the Learned Dr. Meara, Inm, n a Letter to Dr. Prujean, (before ho Lossius wrote) concerning the cause of he Heat in these Waters, tells him; s a certain person of Quality was iding out of the City one day to take the Air; he by chance espies a certain half ind of Chalk, or Marle as white as now springing out of the Earth like Tole-hills, brings some of it home and minews it to him and Dr. Maplet 5 which he fays, was of a crumbling the ature, and almost turning to Powder its own accord; affording a manift sharp, sowr taste without astriction; at biting and begetting an inflammary choking or stopping in the Throat; but the did not doubt, but that it awas not altogether void of Arsnic: into cold water, it presently produc'd

36 duc'd an ebullition, as if it had been Quick: Lime, and the water by degree grew vehemently hot; and fince this Marle or Chalk was found in the neighbour bouring parts of Bath, he very process bably was induc'd to believe that the Bath water grew hot from this Fire And he says, though he is not ignion rant that Authors every where afcrill the heat of the Bah waters to Brin stone and Bitum n; and though it can not be deny'd but that there is greeten plenty of Bitumen in those Springs, air the that they are abundantly impregnation therewith, as the Cure of Scabs, Lepinde fy, Ulcers, &c. may convince, yet doubts whether either of them has ti nature of a Ferment apt to heat it Waters; since both are destitute Acidity, the chief promoter of Fermi tation; neither can either of thee cast into water, produce Fermentatri or Heat, and whenas they are of clammy confistence, and especially Bitumen, so that the Water cann insinuate or penetrate it self into the particles, it must be concluded the tll

they are unapt for such a Fermentation; whenas the contrary is feen in that degrees crumbly, powdry and not gummy confistence of the Marle: and so coneneigh cludes leaving it wholly to Dr. Prujean to be judge, in so obscure a case. I likewise shall not trouble the Reader, with tedious Philosophical disputes upon this subject; being as I told thee at first, I intended a plain and practical, land not an hard, difficult contemplarative discourse, and so shall pass on in somethe next Chapter to shew you the use of these and other Waters, or as I may lay, their Virtues and Vices. fomething first of the preparing the Body.

### CHAP. IV.

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Of the manner of preparing the Body of such as intend to drink the Waters.

But most Peoples intention of going to the Waters being as I suppose cleanse their Bodies, and free them D 3 from

from Obstructions, Stone and Gravel, &c. and put their Bodies in good tem-. per and order, I would advise them by all means to Prepare and Purge their Bodies before they take any of these: Waters, either Tunbridge, Empsom, Dullege, or any other hereabouts, or att other places, as likewise at the Bath, &c... for if they go thither with gross,, foul Bodies, and gorge themselves with the WVaters before they have unloaden themselves, of their overfulness of Blood, or bad humours, they had better stay at home, than to make work for the Physitian and damnisies themselves in Body and Purse.

Now if thou art troubled with too much blood, which thou mayst know by the fulness of the Veins, and heavilles and dulness of thy Body, thou hadst best take away some blood, to the quantity of 6,9, 12, ounces according to the strength of thy body, age, sex, or thou mayst do it at twice; them or thou mayst do it at twice; them half an ounce to an ounce of the best half an ounce to an ounce of the best sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and from a Scruple to a dram control of the sena, and the sena, an

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Cream of Tartar, & infuse them all night in some White-wine or Ale Posset-drink strein it & drink it offearly in the morning or thou mayst have Electuaries or Pills at the Apothecaries; if thou hadst thele rather; a Scruple of Stomach Pills taken at night going to bed, or after thy first sleep will work finely the next morning, made into three or four Pills, and you may go about your lawful occasions: or Lenitive Electuary, Catholicon, and Diaprunes of each two drams taken after the same manner, then you may venture to drink the VVaters, any of these taken twice first.

If thou beest of a Choleric nature prepare thy body, by boyling some Sorrel, Borage, Bugloss, Chichory, Dandelion, Endive, Strawberry-leaves, Spinach, and fuch like in Fountain water or River water, with a little French, Barfey and Liquorice, and strein it and drink thereof for a day or two; if thou wouldst have it pleasant, add some Syrup of Violets or Lemons, and then Purge with Sena and Cream or Christal of Tartar

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Tartar the quantity as before, infus'dle in some of the Liquor you preparedle your body with, or the Electuary a-

bove, not Pills.

body, by boyling Fumitory, Balm, Maidenhair, Dodder of Fime, Ceterach, Hyssep, Scabious, Agrimony, some of these, or such like, as before with the Roots of Smallage, Fennel, Parsley, Polypody, Butchers-Broome, Enulacame pane, Orice, and the like, and Syrupping of Maidenhair, Apples, sive opening the Roots, or such like: then Purge with the Decoction of Epithymum, at the Aparthee thecaries, or with Sena infus'd as being fore, or the Electuaries, not Pills.

It Phlegm abound, Prepare thy body with Wormwood, Southernwood Mugwort, Agrimony, Betony, Centaury Calamint, Majoram, Motherwort, Peny royal, Horehound, Sage, Savory, and fuch like, in whose Decottion you may infuse Sena as before with Cream of Christal of Tartar; and in lieu of the Electuaries use the Pills. Now for the Electuaries use the Pills. Now for the sena as the pills.

manner of using the VVaters.

#### CHAP. V.

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of the time, manner and order of taking the Metallic and Mineral and Bath Waters, and other such like.

S for the Time then, that is twofold here; of the Year, and of (profint: the day: Temporibus Medicina valet data tempore Et data non apto tempore vina nocent.

for the Season of the Year, Summer is the best, when the weather is commonly settled, warm and dry, and fo they are commonly ordered to be taken in the Dog days;

cum canis arentes findit biulcus agros.

but there are other times in Summer certainly as fit as that (for the Dogdays keep not always to one temper) as fune and beginning of fuly, and after the Dog-days, many years are seasonable, as the Season falls out; and hot and dry, the Water is best; as well best in Winter as in Summer; nay the VVan ter is the stronger in hard, frosty wear ther; the cold hindring the Spiritt from evaporating; for in Rainy on Misty weather, when fupiter doth, permit cribrum mingere, piss through a Sieve as Aristophanes merrily speaks, the Waters must certainly lose much on their Virtue.

Then as to the time of the day, the Morning about an hour after Sun-rii fing is the fittest; for when the Sun begins to get power, it certainly at tracts some of the Spirits of the Warters, and so consequently not so strong;

and then is the best walking.

Now as to the manner and order; 'tiss best taking the quantity you are to take that day, within as small a space of time, as conveniently you can, without oppressing the Stomach; them you shall take a gentle walk before you Drink, so as to warm your blood a little, not to sweat or be ready to sweat, and so between every Glass.

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Next as to the Quantity of Water be taken every Morning, it cannot e justly defin'd or prescrib'd; in rewa ard of the difference of bodies as to wheir Age, Sex, Strength, and other ircumstances; in which you are wholly to be ordered by your Physitiin, n; for though the drinking of the Naters be a Quackfalving, Empyrical undeltemedy, yet it ought not so be used r administred; and every one ought the o remember, that the best direction is from those things that help and hurt: ome may begin the first Morning with hree pints, or two quarts, or five wapints, and so augment a pint, till they come to four Quarts, more or less as they find agree with their body and fo de decrease a pint by degrees. 'Tis not to be good to drink like some,

Invenies illic qui Nestoris ebibit annos.

Mestor's years: Some between every glass eat a few Carraway, or Corriander Seed Comfeits, or Candid Elecampane,

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or Angelica, or Orange, Lemon, or Citreo pills, &c. And certainly 'tis very number of Lozenge, or successive, Powder or Lozenge, or successive, (appropriated to the grief for which they take the Waters) appoint

ed them by their Physitian.

Having drank your dayly quantitt of Water, you will do well to walk or stir up and down, and composit your self to Mirth with some of the Company; for all cares and contrary passions of the Mind and Melancholl must be left behind: this done, in the Name of God go to your Dinner; ii you perceive the Waters to be com cocted and past through. Now the fign of their concoction is, that youn Urine begins to be colour'd; which in you perceive not you may abstein a while longer. If you drink the Wal ter cold, take not any more after the first draught till that be warmed im your Stomach, and no heaviness bee perceiv'd.

Now the Waters taken in so great a may a quantity will force themselves a way

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Repareither by Seige or Urine, yet some add repopening Syrups as of Maidenhair, &c. of Limons, or loofening ones; or Salt, or Manna, and Purging Powders; poon tis better to drink them at the Fountains, than some miles off; Then as for the time of staying to drink the Waters, if you ask me how long it must be? Truly I must answer it cannot be exactly defin'd or order'd; some stay longer, some shorter time, some a fortnight, &c. some a month, some more.

# CHAP. VI.

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Of the Dyet to be observ'd by those that drink the Metallic and Mineral Waters, and for all other persons what seever.

urpitavil en mali nim te akonomi Y Dyet here I do not mean only Meat and Drink, as it is commonly so taken by the vulgar; for with Physitians it hath a larger acceptation; as comprehending, Air, Mo-

tion.

ed, Sleeping and Waking, and the Passion of the Mind: all these are to be duly and rightly order'd and observ'd, a smooth considerably conducing both to the preserving and restoring on the health.

To begin then with the Air; now whereever you drink the Waters your must take the Air as it is, and be contented with it; otherwise if you will wh chuse for the best, you are to consider two things chiefly, its substance and its quality: its substance must be conspicuous, pure and not corrupted, nott putrify'd. A serene, pure, perspicuous and temper'd Air, that exhilerates the heart, illustrates the Spirits, and makes the blood apt to be distributed through the whole Body; so that there is nothing almost more healthful for the Body of man than to live in such an Air.

Next the Quality of the Air, that's: from the Sun and Moon, &c. in the Spring, especially in the midst of its extream; the Air is hot and moist;

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Summer, hot and dry; in Autumn, old and dry; and in Winter, cold and noist; and the same may almost be Baid of the several parts of the day; for he Morning answers to the Spring &c: The Moon changes the Air with its uarters; for the first quarter is like

The Spring; the second Summer; the my hird Autumn, and the last quarter

kon ike Winter.

What is faid concerning Air, I hope mide will not displease; for Air is of great mont concern in most diseases; thousands manave been freed from deplorable diseaet es by change of Air only; yet change of Air may do harm, as if one goes out

of a good Air into a bad one.

101 Next is Meat and Drink, whose subfrance affords good or bad juice; is of there good or bad Consoction, little or much nealth, Meat of good juice is very necessary; for Diseases are produced from Mears of bad juice: light food and spices beget thin Blood, which weakens and exhausts the substance of the Spirits; gross begets clammy blood, oppresses

presses our natural heat and begent

fulness, and bad humours.

For Quality hot, cold, moist, dr meats, do affect us with their qua lities; the quality of Food when in health must be correspondent to the temper and age of the body; the Recommendation gion and time of the Year; but ii

fickness contrary, to reduce it.

For Quantity, we ought never to ear more than nature requires; fulnell is the Parent of all bad humours; and fasting or a spare Dyet wasts the hun mours and innate heat: and all mannes of Dyet is either thin or sparing, on gross, or a mean; the first diminishes our faculties, the fecond augments the last preserves them.

Custome is to be kept, for 'tis a second nature. For Rustics who are us'd town gross meat, as strong Beef and Bacon better concoct it than tenderer meats which are rather apt to corrupt in their Stomach: therefore things week are accustomed to, though worse, are

better than what we are not.

A regard should be had to the Orden

are to be eaten before those of hard Concoction, so moist Meats are to be

taken before dry.

Meats are not to be taken out of Time; those in health are to eat after exercise, and when their former meat s concocted; and generally at an accustomed hour: to stay longer fills the stomach with sharp, bad humors, and o eat before creates crudities. Neiher neglect the Time of the Year, in Vinter 'tis best to eat more and drink es; let your meat and drink be hot and drying; as Roast-meat, and stroner drings; in the Spring eat less, ut drink more and smaller drinks; nd eat Boyl'd meats rather then Roast; and hotter than in Summer: in Sumver eat little and often; in Winter therwise: let the fickly feed sparing-7, for cold dulls weak Stomachs: he same is to be said of the Regis and Age; for we must eat more paringly in an hot, then in a cold country; so Young men require more leat than Old; so Childrens Dyet must

must be moist, lest their growth the hindred by a dry one: to Boys house and dry, a cold Dyet will be besself and Boyl'd meat rather then Roasself much drink, but not strong; Your men from 14 to 25 of a tempera will be constitution, require a tempera will be constitution.

Dyet.

But here comes a question, How com we are to eat in a day? which I think general cannot be decided, becaute of fo numerous variety of temperfor Phlegmatic people, who are best alling to fast, once a day may be enough the Coleric, who easily is hurt fasting, he may eat oftner but tle; they may Breakfast, Dine and Silving but soberly: let the Sanguine keep line mean in all things: let the Melanch may take something thrice a diam whereby they may moisten their dinastration ness. Most certain our fore-fath were far more sparing than us; and prolong'd their lives, and were action strong, beautiful, tall: But yet: his must not believe they fed only on the corns, as Poetical Fables relate:

Il manner of Fruits, Pulies and flesh: for Holy Writ tells us, after our first whatarents were cast out of Paradise, they Refilled the Earth, and facrific'd Vi-Youtims, whose flesh and intrails they men robably fed upon. And 'tis most meretain that Intemperance is the Nurse Physitians; and that more perish by Howfluttouy than the Sword. Our Ance-

his ors fays Galen more rarely were fick, ecause they liv'd more temperately. emper ippocrates, says, Women, and Eunuchs rere not troubled with the Gout; but either are free from it now; because their Gluttony. Wherefore 'tis est to observe that Golden precept of

pocrates, we ought to eat to live, and not live to eat.

Again, At which repast is most to be Dinner or Supper? This questihath been formerly fo much conunded for, that some of the Italian hyficians have written whole books, re healthful to sup sparingly. First beuse of the frequent experience of aloft an infinite of men, who have receiv'd

light Supper; the Stomach is least but den'd, and so sleep must be more pleasant; Secondly, the matter is prevented, whereby they are obnoxous to Influxions, Rheumatisms, Gouts, Dropsin Vertigoes, &c. that eat large Supper Thirdly, from a sparing Supper stomacoction is better perfected, and grevious obstructions are prevented

with many more diseases.

Another question may be, Wh the Meals are to begun with Meat or Drim Liquids or Solids? And here I am of conion that we should begin with quids; because they are soonest cocted; and then the concoction Meat in the Stomach is performed affect the manner that crude Flesh is in pot; whence, the Prince of Philophers, Aristotle, compares this stockion to the boyling of Meat in Pot; but we first put water into Pot, then sless: which is to be und stood of Broths and such liquid thim not Wine, or strong Ale or Beer,

they offend the Nervous parts of our podies, and so cause Gouts and Scurvey humours; and fluctuations in the Stomach, whence is all coction disturbed: for this it was that Galen would have neat precede;) drink Broths first then come solid substance, then to drink, hat all may be equally mixt in the Stomach, remembring what Schola Salerni, ays, Inter prandendum sit sepe parumque ibendum. But not to eat any crude Fruit after Meals, as 'tis too common, out either boyl'd, roasted, bak'd or present a for Drink, that appeales Thirst,

As for Drink, that appeales Thirst, and is the Vehicle of Food, if it be purely drink, as Water; it may be iberally drank, if the bodies be strong and sirm; but if weak, sparingly, and he oftner. We here in England drink mall Beer generally, and the poor ort ith' Country drink When and But-

her-milk, &c. of which hereafter.

Beet,

Thus far of Dyet in General; now in particular, the first thing that occurs Bread, the best is made of Wheat, even'd better then unleaven'd. Now

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as there are several sorts of Wheat; If the Bread is of different nature where of it is made; that which is made to the pure meal is best; the next is that with Meal and Bran; that made to all Bran is for Dogs; always remember to put a convenient quantity to Salt into your Bread, against obstructions.

Bread made of Rye nourishes less and is not so easily concocted; but mixt with Wheat 'tis better, and an fords a moderate nourishment. Barlle bread, nourishes least of all; yet it dry and cleanses, and is the same with Oatt by all which you may easily conjectume at the nature of Miscelane. The oll Proverb is, An Egg of an hour, bread aday, and Wine of a year. The Crum affords the best juice, and is of easie concoction than the Crust, is dryer, and Schola Salerni Says, Ne comedes crustam coleram quia gigm on adustam, then cut away the burnt Crust yet the Crust is not so much to be diffus approv'd as some suppose; for its very convenient Food for those of Hith strong Stomach.

Hither are to be referr'd all kind of weet-Breads, which in general are but bad Food, except Biscockt; for none of them are without their fault; among which are also Puddings, Pasties, Pan-cakes, Cheese-cakes, Custards, and many such like, Quelquehofe, hony'd, fugar'd, milky'd, egg'd: all bak'd Meats are hurtful to the Stomach and Liver, feeing they most manifestly heat, obstruct and of: fend the inward parts.

The next are Fruits; of which this may be affirm'd in general, that they moisten and cool much; nourish little, vet some more, some less. All Fruits almost are endued with some bad qualities, and beget winds and serous, thin humours, and are very hurtful to distempers proceeding from obstru-Etion, and putrid Fevers: of Fruits that will not keep long, and are foon rotten, the moister are to be chosen, and eaten in the first course; such are Prunes, Cherries, Grapes, but the more Tolid and fuch as bind more, and will not be rotten fo foon, are to be eaten at the EA

the second course; among which air

Quinces, Pears, Apples, Nuts, &c.

Fruits that may be boyl'd, bak'd, co roasted, beget bad juice, if eater crude.

As for Melons, Co cumbers, Pompions they may in some measure conduce to hot Stomachs and Choleric persons to for they refresh and moisten much but they beget thick, cold juice, am ten of hard concoction; Historians make mention of perfons of great renow. that dyed by eating Melons: and Pearis Quinces, Medlars, Services, &c. ough not to be eaten by healthful people, but he after meals; and then but in small fine quantity, to strengthen the Stomach Filbirds may be allow'd, as being com a temperate nature; Chesnuts begee de thick Blood, Wind, and not eafily com coffed.

No Pulses are much to be commended for Beans green are windy, disturb the senses, cause Dreams, and are of a thick juice, hard of concoction among not much nourishing; Primrose says

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they beget serous blood; &c. but dry'd they retrigrate, dry, and deterge also, apply'd in Pultises: Pease are of the fame nature. Rice and French-Barly are the most excellent of all Pulses, becruse they nourish most, and breed fewest Excrements: both moderately Am Arengthen the Stomach, and are not perlons of bad concoction: Ciches or Vitch s, nourish more than Pease, and discharge the reins, by their Diuretic faculty, and therefore are thought to be profitable renovato those that are obnoxious to the fun Stone in the Kidnies: But it is best to use them sparingly, nor without the Physician's advice; for by the undi= fcreet using of them, neither few nor light symptoms may ensue; as also from the untimely use of any other Diuretics.

Herbs come next to be handled; In general all Herbs nourish little and are rather endued with altering qualities; for they heat, cool, dry, and moisten what way soever us'd. Galen extolls Letuce above all herbs; as endued with nourishing juice, but very cooling

cooling; and causing sleepiness: Nexual in cooliness are Sorrel, Cichory, Porcee lan, &c. which may be profitably us'de land dayly; Among hot Herbs are Sagee of Thyme, Savory, Penyroal, Majorann Rosemary.

Lastly, Roots are by all esteem'comb

others.

Now the Food we receive from Anii mals may be reduced to Flesh and Egg. in general: and Flesh to Fish, Birds or four footed Beafts. Of Fish those that live about the Rocks, &c. are most commended; Sea-fijb are betten than River Fish; standing Pools worst All Fresh-fish beget Phlegm; are easily corrupted; dry'd and falt are of hard digestion, and burn the blood. The best are Trouts, Pike, Sole, Roach, Carp, Turi bot; then Mackrel, Perch, Skait, Eeles .... for Tench, Crab fish, Lobsters, are only difficult coction; so last in goodness Salmon is to be eaten with moderatil on. Fish, boil'd less good, fry'd bett ter, roasted best because dryest. Indian general the Male better then the Female

male, young (but not the very least)
better then old; notwithstanding the
old Proverb, Young Flesh; and old

Fish.

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As for Birds, &c. young better then old, those that feed upon Mountains and high grounds, are of easier digestion than others; Tame have tenderer and moist Flesh; wild harder and drymaker: those that are castrated are of a more pleasant taste than others: Birds nourish less, though sooner concocted than four footed Beafts. The best are M. All Patriges and Mountain Birds, Cardan a better a Physician so highly excells Patriges, sworth if you'll believe him, that of themfelves he fays they are able to cure the that Pox, which he found by experience upon his own body, having, as he ingeniously confesses of himself, being his infected therewith no less than seven times; next Woodcocks, Blac birds, Doves, Pheafants, then Chicken, Pullets and Capons.

For Four-footed Animals, Fauns, Lambs, Pig, Weather, Veal, are best for taste and nourishment; Porks-sless

nourishes

fronger Stomach; Galen prefers before all; Beef is grosser, and so be gets more Melancholic ju ce then Munton. Now there are several sorts is ways of Cooking this Flesh; roassing boyling, frying, baking, &c. for dry bodies boil'd is best, for moist others. Broaths are of easie nourishment beim soon distributed.

things as are used in preserving of Food. As first Hon y; hot and sharp Sugar comes nighest to it not so hot more pleasant and familiar to the Stomach. Salt is hot and dry; and share all Spices. Mustard seed is most hot and dry; Oyl is temperate: Vines gar's temper is not decided; as Vines gar's temper is not decided; as Vines gar 'tis cold; as made of Corrup Wine, it retains somewhat of heart but 'tis more cold than hot; it drys provoks an Appetite, and strengthem the Stomach.

Eggs are the best, Duck and Goose the worst: besides Eggs, we have Milke

Butter

Bu'ter, Cheese, Blood from sour-sooted
Beasts.

Milk is of a diverse temper, according to the Animal 'tis milk'd from. It consists of a threefold substance, waterish, whence Whey; thick whence Cheese; fatty and oily, whence Butter, Cons Milk hath most Butter, so it nourishes most, and cools less. Sheeps more Cheese so worse; Asses most Whey, so sittest to cool and moisten; Goats of a middle temper, Butter heats somewhat, nourishes little, losens and and softens: Cheese of thick bad juice so stopping, an Enemy to those substance for stopping, an Enemy to those substance it is to the Proverbis very true.

Caseus ille bonus quem dat avara manus.

All Blood is of hard coction and nourishes little, Beef-blood the worst. Thus far concerning Meat, next follows.

Drink, was nothing but Water in the beginning of the World; if it be colour'd or smell, or taste, not good; lightest

lightest the best; for weak Stomachis it may be boil'd: and because few drink water alone, Barley may be ad boyl'd therein and so made Beer and Ale; stronger or smaller; some add Wheat, Oats and Beans; certainly 'ties and the most healthful drink, if people for would accustome themselves to it; for fo they would free themselves from 21 11 a world of Diseases got by immode. rate drinking Wine or strong Beer, &c. as Tremblings, Palsie, Lethargy, Apoplexy, Vertigo, Pains ith Head, Eyes, Gout, Stone, Droffie, Rheumatisms, Piles, &c. for it strengthens the Stomach, causes an Appetite; the Æ gyptian and Israelitish Priests and Kings drank nothing but Water; Aristotle and Plato order Nurses, Children, Students to drink Water. Demosthenes left Wine when he came to the Bar: and Pulpit; Water preserves and quickens the fight. Alexander Aphrodiseus lays in his Problems, it makes all the Senses more lively, cools the Liver, opens the passages, clenses the Reins and Bladder. Fountain and River Water are the best. Sleeping

## Of Medicinal Waters.

Sleeping and Waking ought to be moderated with Prudence: Sleep concocts Meat and Humours, corrects distempers of the Mind; moistens; Labor for the Flesh and Joynts, Sleep for the Entralls; Night's the best, three hours from Supper, Day sleep hurts, unless none by Night, or weary; for it makes a moist Brain, and breeds sour Belchings, &c. exceed not eight hours; lye first on the right side, then the left, nor on the Back or Face; Watching's also to be moderate; for immoderate produces contrary effects.

Motion comprehends all exercise, whereof are several sorts, Tennis, &c: for the whole Body; riding for the Intestines, walking for the Thighs, and Reading and Singing for the Lungs, &c. it strengthens, distributes, Meat: Morning and Evening; exercise till the Body be florid, and begin to sweat, the

same moderation in Rest.

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As for things to be retein'd and voided, they help health, if those be evacuated that ought, & contra: thing to be voided if they are retein'd hu

## Of the Pature

Hemorhoids, Courses, Seed, &c. if supported oppress and putrisse. So ill things be voided that ought to be restein'd, or voided in too great quantity.

As for the Passions of the Mind, they must not be violent; so of what beforee as Mest, sleep, &c. all must be moderate; and thus much for dyet which is minded, there would not be any need of taking such uncertain remedies as Mineral Waters; which have certainly been the utter ruin of many thousands.

As for the many symptoms following the irregular and unadvised drinking the Waters, as suppression of Urine, Dropsies, &c. too long here to name, they are to be remedied by the

Learned Physician.

FINIS.

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