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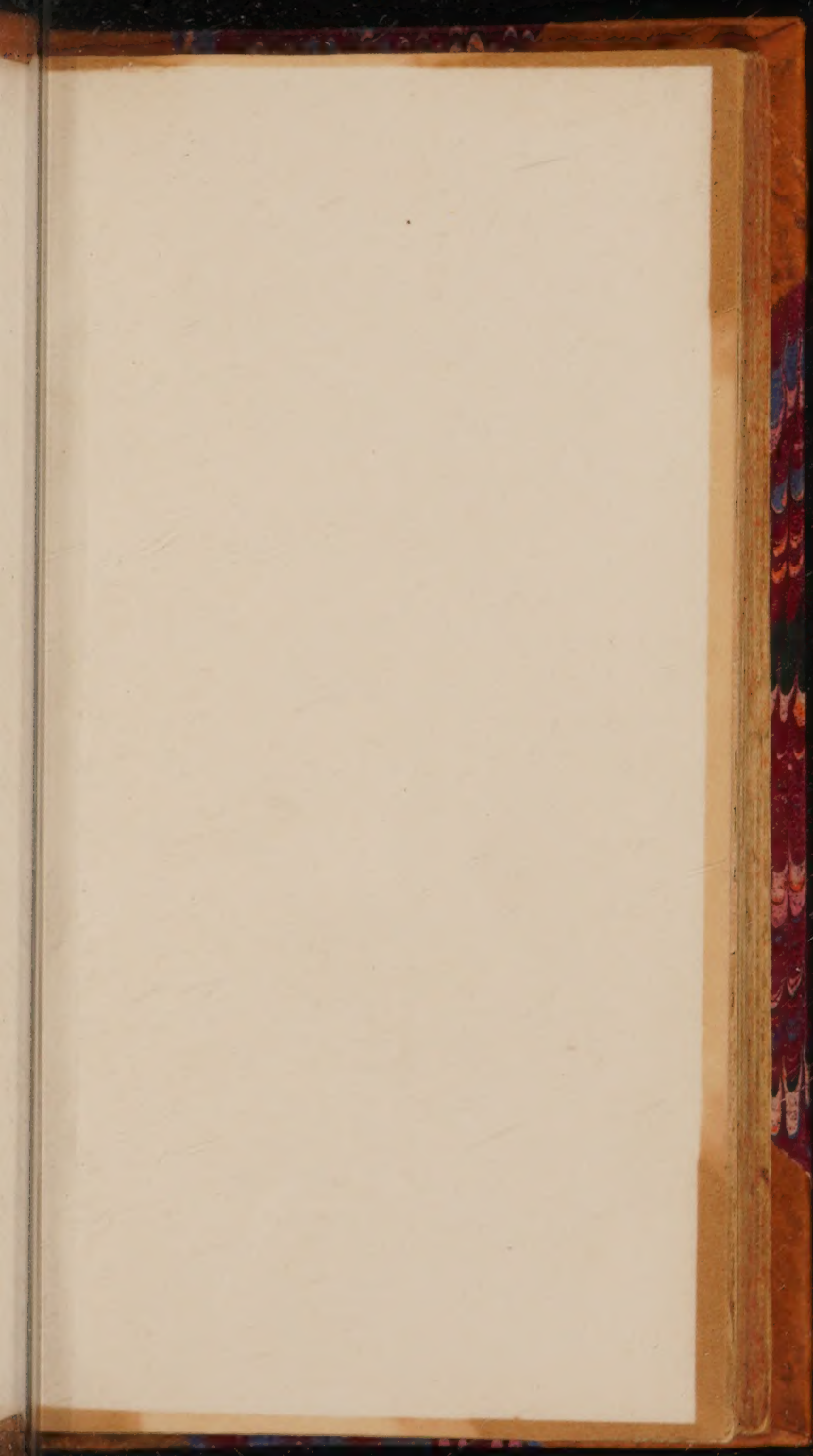
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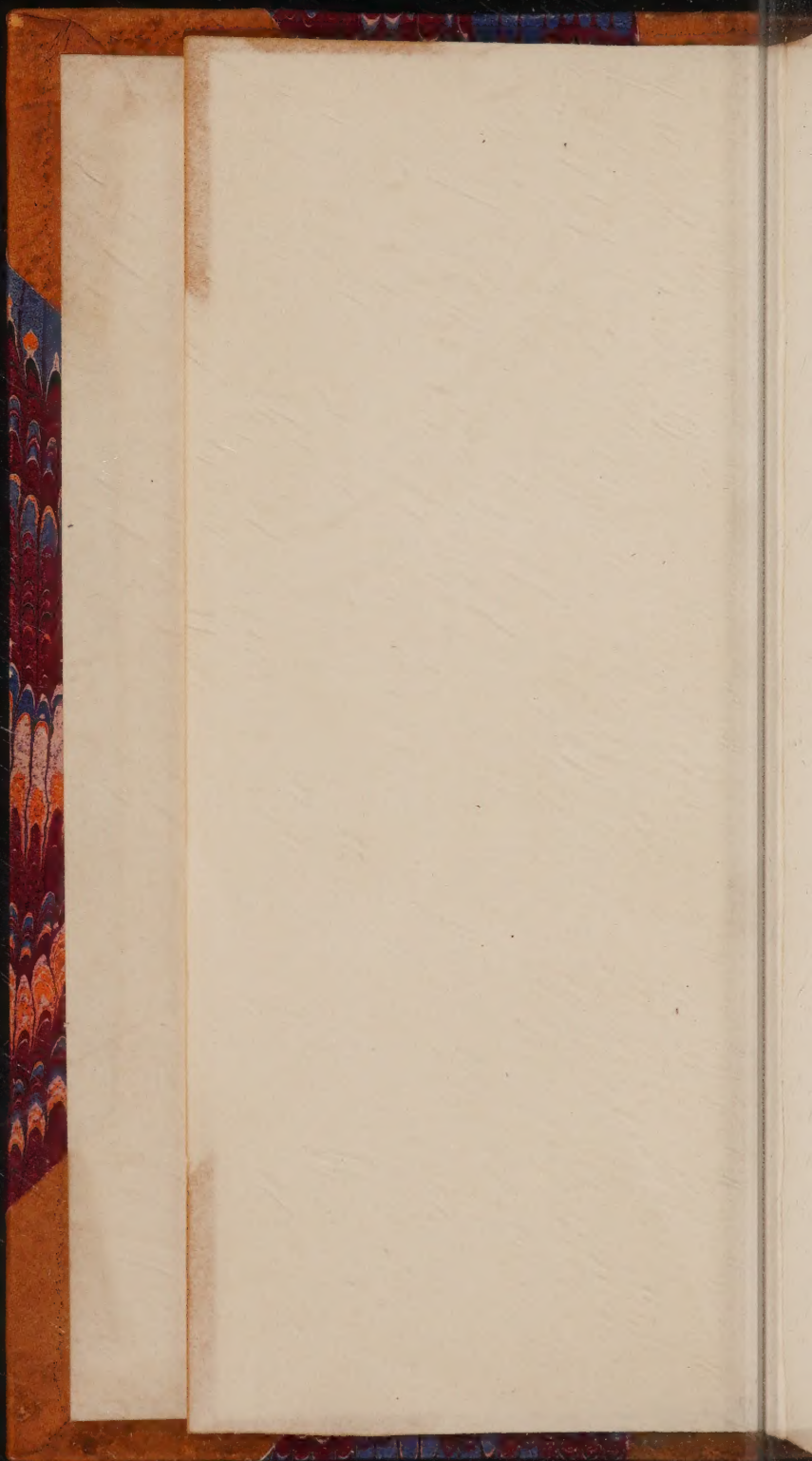


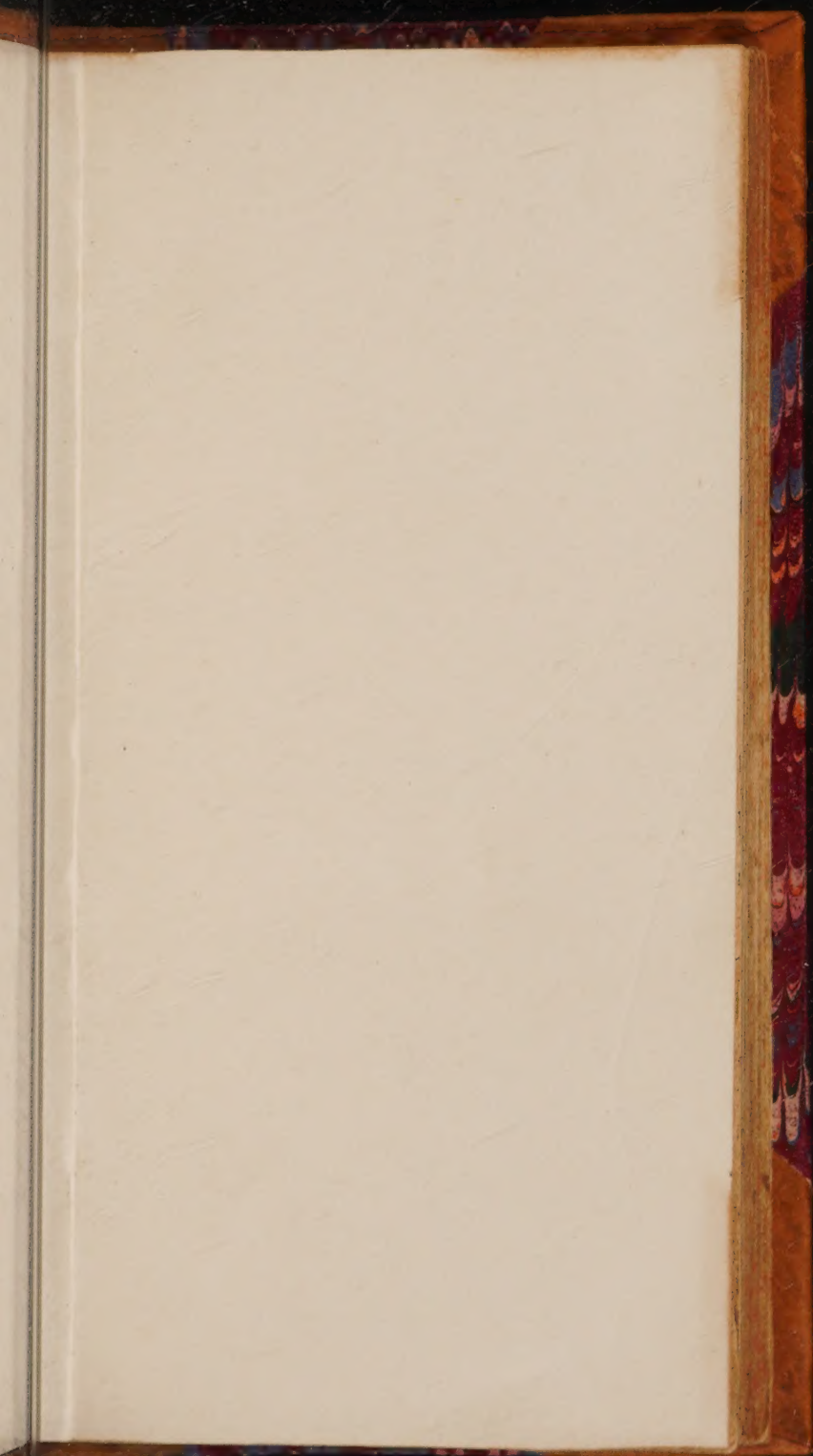


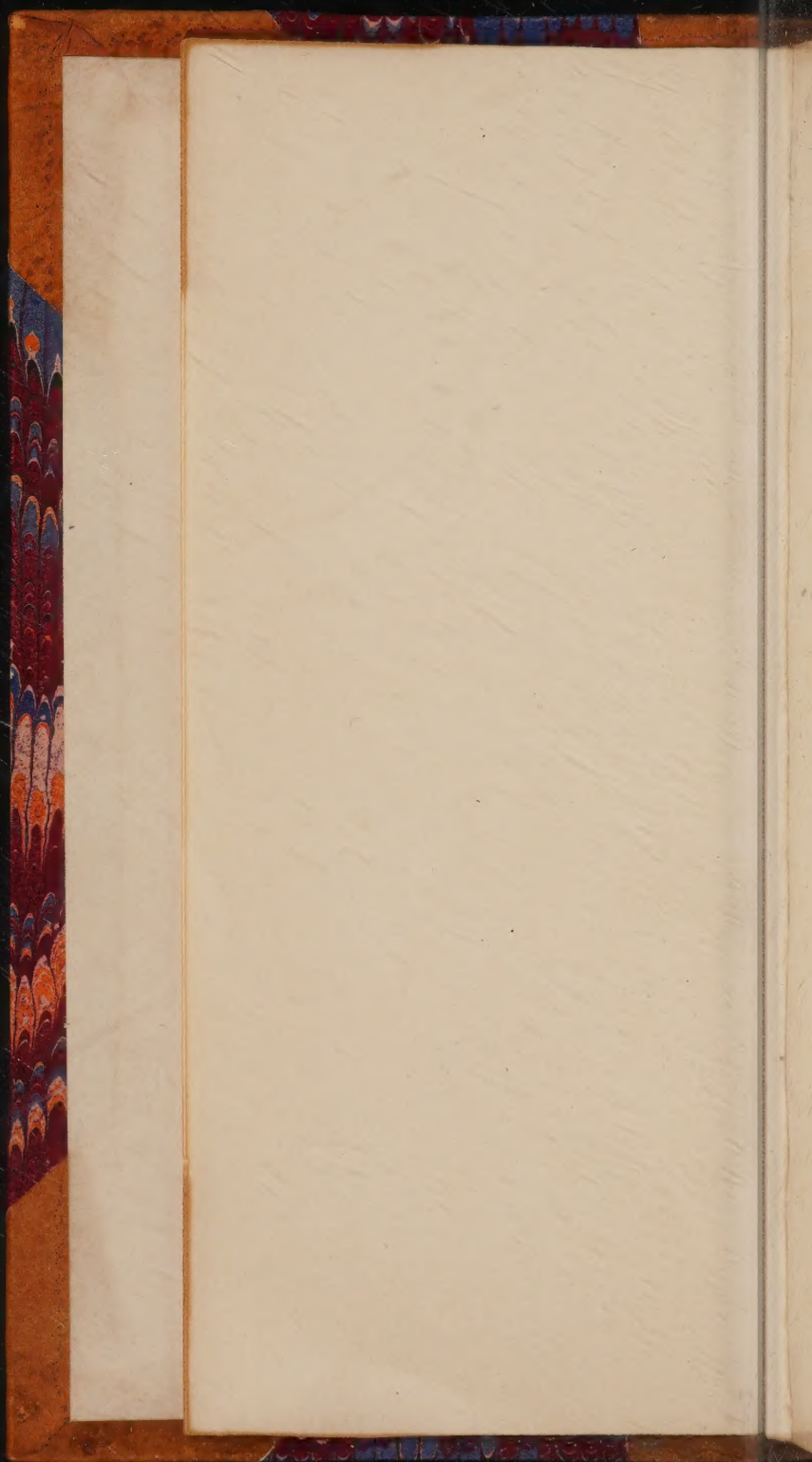


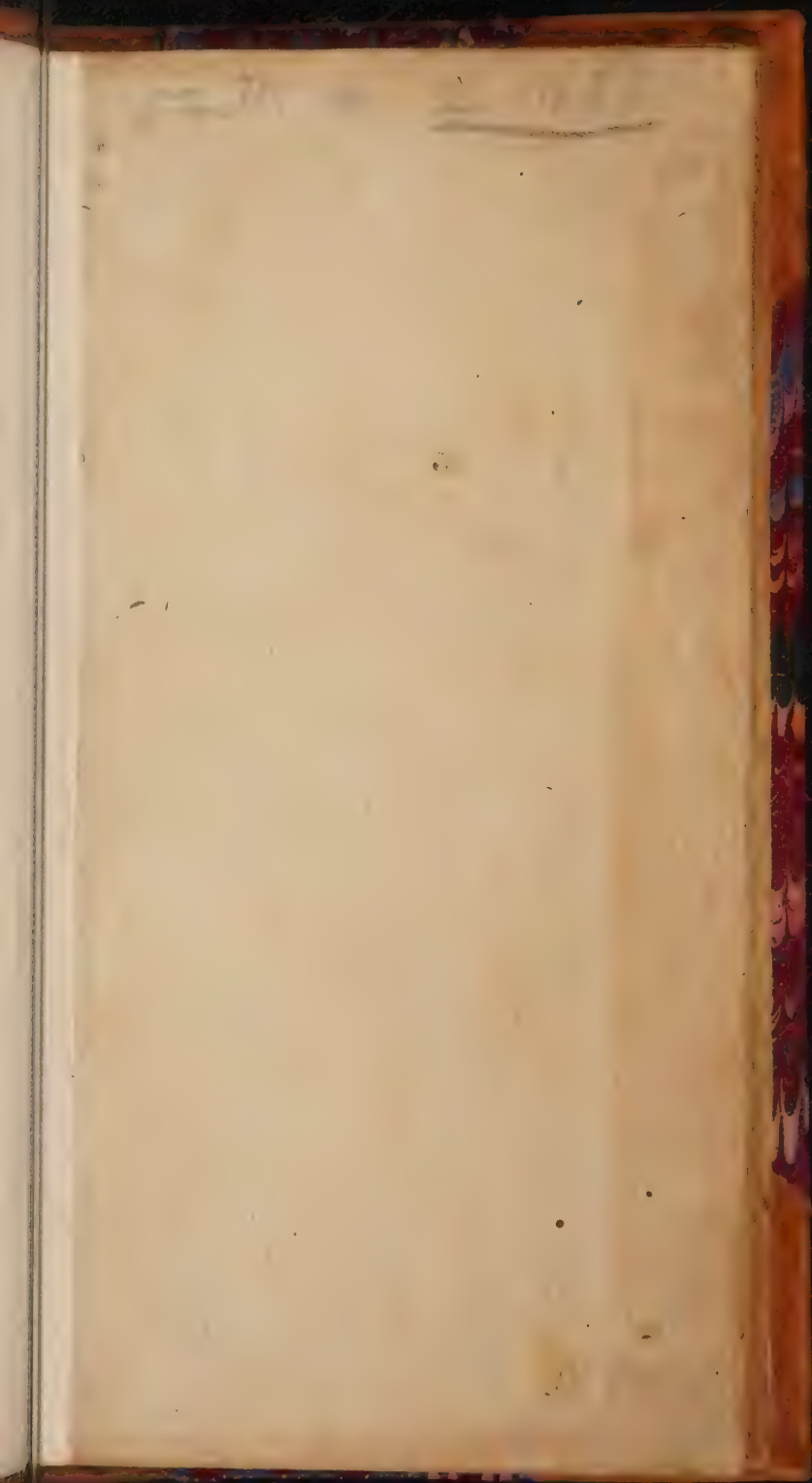
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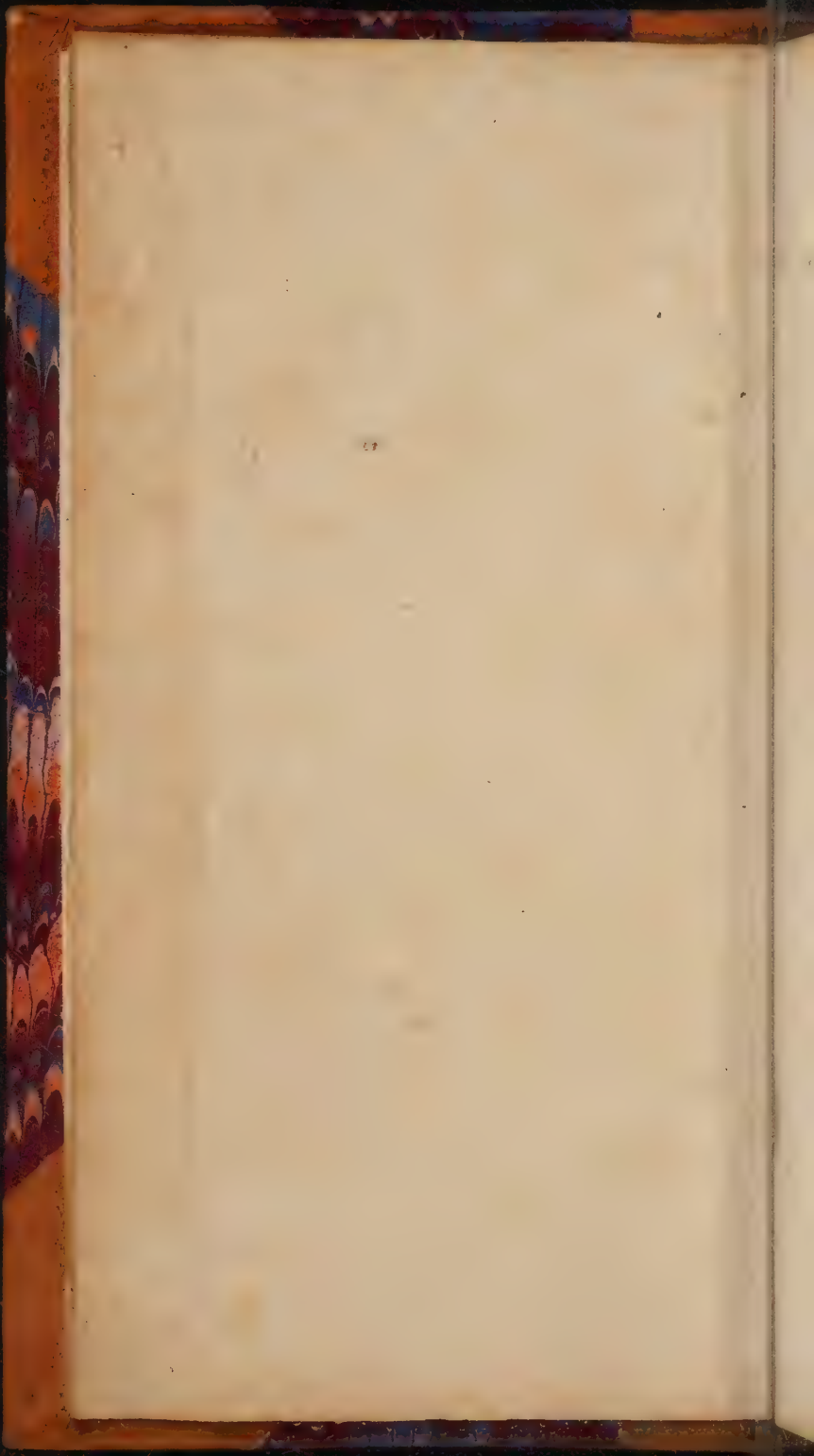




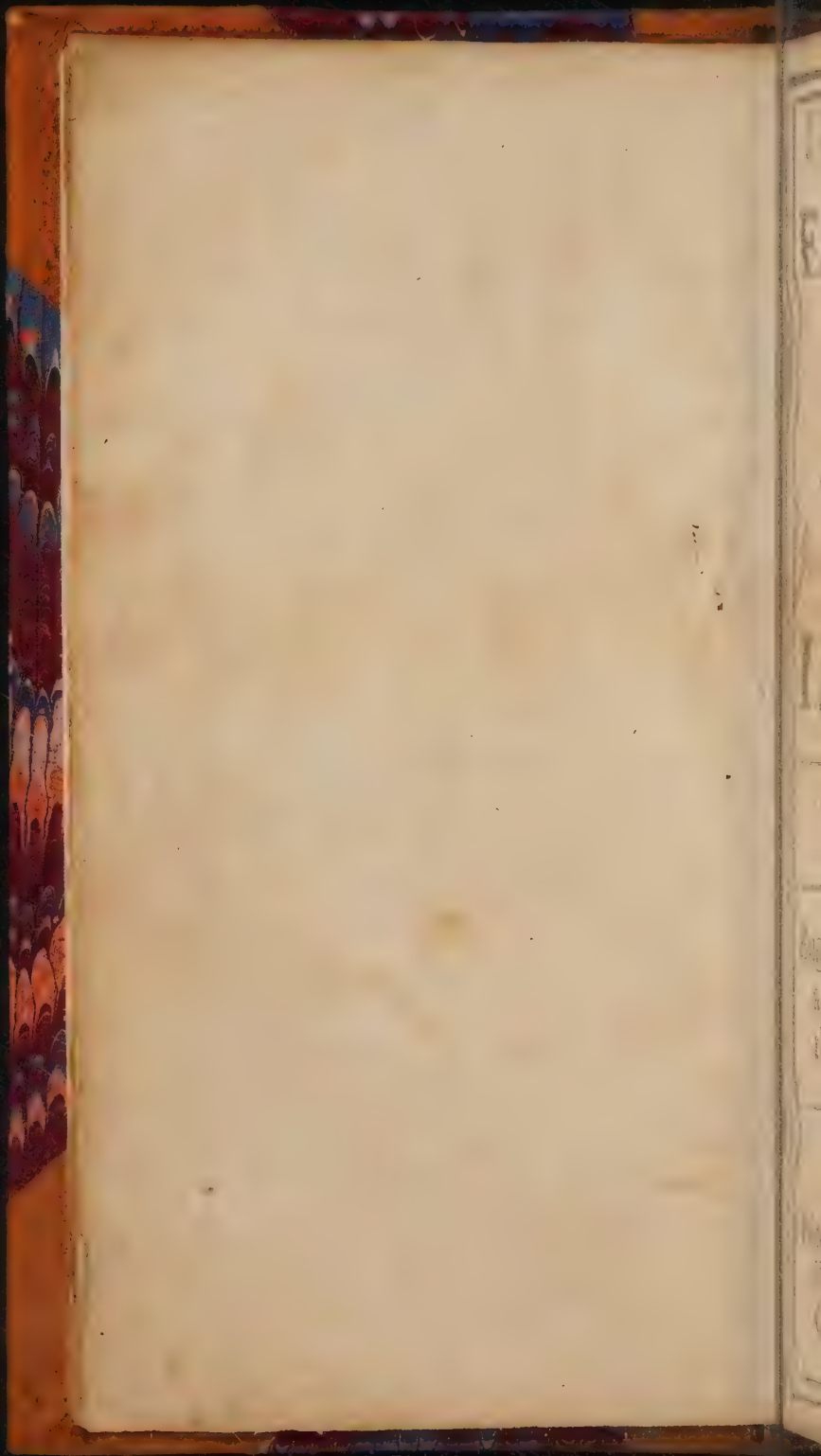








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An Exact

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ENQUIRY

Into, and Cure of the Acute

Diseases

Jacobi

OF

Lynn

INFANTS.

By *Walter Harris*, M. D.

Englified by *W. C. M. S.* With
a Preface in Vindication of
the Work.

L O N D O N,

Printed for *S. C.* and sold by *John
Wyat*, at the Rose in *St. Paul's
Church-yard.* 1694.

21436

1881

WELLS

WELLS

WELLS



RIG
M
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T
C

TO THE
RIGHT HONOURABLE,

Margaret

Countess of Roxburgh, &c.

M A D A M,

THere's none I can so safely
come unto for Shelter
to my first Labours as
Your self, in whose Na-
ture, Justice and Equity, are so
firmly established, that your

A 2

Name

The Epistle Dedicatory.

Name prefixed to this Book, is not only able to defend it from Calumny, but also to cover a great many Faults may be found in it.

If I should declare my Obligations to lay this Work at your Feet, this *Epistle* would swell to a greater Bulk than the Book it self: For who could enumerate all your Endowments, or my own particular Ties in less space? Who can sufficiently declare that profuseness of Nature, who, ordinarily, giveth some Excellency to one, some to another, but has Concentrated all in You: Who did ever see *Nobility* such a *debonaire Countenance*, such *exact* and *divine proportion* of *Body*, *Politeness* of *Mind*, and *Pleasantness* in *Conversation*, so blended and mixed in a *Creature ?*

The Epistle Dedicatory.

ture? so that I'm at a stand, whether I should say, That they are the Attendants of your Birth, or much rather, since they are not to be found in your Equals, I could almost think that Nobility and Riches are but the Earnest of the Reward of so great Vertues. Madam, I am hardly restrain'd from breaking in upon Them, but I fear I should wander in this vast *Field* and inextricable *Labyrinth*. Wherefore, I do truly value my self, that I have resisted so great a Temptation, in not launching out into this Ocean, in improving the Subject before me in *Panegyrick*. Yet I cannot so entirely moderate my Passion, but I must say, That the great Prudence whereby you have managed and improved That Estate, in the Minority of your most Noble
Son,

The Epistle Dedicatory.

Son, is a most plain Declaration of the most of the other Vertues.

But that I may not offend against your Modesty, I must keep off, and tell you in short, That this *Dedication* is the *Basket of Flowers* the poor Man presenteth his Rich Neighbour with. Yet, worthless things receive a value, when they are made the Offerings of Respect, Esteem, and Gratitude: These I have in the highest degree for You; so that if they can add a Price to what they go along with, proportionable to their own Greatness, I can with confidence brag, I here make your Ladyship the greatest Present you ever received. This I am sure, I am under the greatest obligation to seek all occasions to acknowledge; and I should

The Epistle Dedicatory.

should be most Ungrateful, if I did not lay hold on this Opportunity, to testify to the World, how much I am obliged to be,

M A D A M,

Your Ladyships most humble,

and most obedient Servant,

WILLIAM COCKBURN.

... ..
I'm
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THE
EPISTLE
TO THE
READER.

Reader,

I Here present you with a Translation of the best, if not the first and only Book yet extant upon the Subject; which, however rational, is rejected by a great many, otherways Learned, Physitians, as Empyrical. Neither, is that strange Humour of decrying what we do not use, stayed there; but the malice of some has led them into a great many Personal Reflections upon the Learned Author himself, as a most unlearned Innovator. This imputation

The Epistle to the Reader.

of Novelty, is a terrible Charge amongst those who judge of Mens Heads, as they do of their Perukes, by the fashion; and can allow none to be right, but the receiv'd Doctrines. Truth scarce yet carried it by Vote any where, at its first appearance; new Opinions are always suspected, and usually opposed, without any other reason, but because they are not already common; and its Detectors disclaimed against, as the greatest Enemies of Mankind. This way of Calumniating is no newer than the World it self: This has been the Fate of such as have deserved best in all Ages, and never more evident than in the last; for, tho' there have been a great many things discovered in it, so essential and necessary for the use of Medicine, that it may be a wonder how it had subsisted before that time; yet, were not the English Oracles, Harvey, viz. Willis, Lower, Sydenham, &c. freed from the Scourge of an unruly Tongue, and Pens dipt in blackest Satyr. So, we may the less admire that Libels, as unjust, are brought against this first, tho' most exact Essay of curing Infants Diseases.

As

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As the Trial and Examination of Truth, and not any Antick Fashion, must give it price, though it be not yet current by the Publick Stamp: So shall this Treatise be found intirely rational, if they will but adjust it to their own Rule. For are not there here, Causes Procatartick, Antecedent, and Immediate described from the surest Considerations? Has not he begun with Reflections upon the first Motion in the Ovum, and observed the Nature and Constitution of its very Spring? Neither has he left in disguise, but clearly demonstrated, what external Injuries they can sustain; yea, he hath most accurately enquired into the Nature of their Fabrick and Body it self, and hath deduced all the Maladies that can be subsequent thereupon, from the most solid and firm Principles of the best Philosophy.

And, therefore, that Calumny is most malicious, when they traduce him as a Rejecter of the use of Philosophy, h. e. best informed Reason, in Medicine; and that he should teach how to become Physicians by practising. This indeed, is the way of some impudent Murderers;
yet

The Epistle to the Reader.

yet all that he says, is, That Practice is the Standard of our right Reasonings, while, in the mean time, he doth very well know it to be simply impossible, that one just Observation can be made, where the understanding is not sufficiently polished by necessary Philosophy; Experience being very deceitful. So when in several places of his Book, he doth inveigh against, and declare the uselessness of that, which was ordinarily brought for the Introducing, and handing in, of Medicine; he doth positively speak of those which are fitted to the frisking Spirits of Young Men, but which never had place but in the Brains of their Inventers.

Yea, he doth almost in plain Terms assert, what that is he thinketh absolutely requisite for polishing and preparing the Minds of Men, for becoming faithful observers of the Effects of Natural Operations? by the several Appeals he doth make, through the whole book, unto Experiment. As if he had most plainly declared the great use of the Experimental Philosophy for explaining Phænomena's in Medicine; which, methinks, should be no hard task to prove,
if

The Epistle to the Reader.

if the Ingenious and immortal Mr. Boyl had left any thing debatable upon this Subject, and the world were not utterly satisfied of the great advances Philosophy hath made in that School more than in any other.

Whatever be the truth of this: It is most certain that the contrivers of these fanciful Philosophies have got their Understanding and knowledge this way, whatever be the dress they have put theirs into. This might most easily be demonstrated from the great use Aristotle made of the Works of his Ancestors, especially of those of Ocellus Lucanus, though he handed them down unto Posterity as his own. So, he and his Followers in this Reformation, fixing their Thoughts only on Words, and the end of their Contemplations and Reasonings, about little more than Sounds; the result of all, was nothing but Noise and wrangling about Sounds, without convincing or bettering a Man's Understanding: Which the Ingenious and most Famous Des Cartes has exercised in great measure and stoutly asserted our liberty in Disquisition, against that Tyrant of Men's Minds;

The Epistle to the Reader.

Minds; for which no Generation shall ever mention him without due Praise.

Yet, his Followers have very much endeavoured to bring the World back into that Slavery and Bondage, their Master had but lately freed it from; whilst they set up a clear Deduction of all Truths from their Masters Principle; as if all that boundless Extent were the natural and undoubted Possession of their Understandings, wherein there is nothing exempted from its Decision, or that escapes its Comprehension. They do not remember how much their Master was, and they are, obliged to Experimental Philosophy. His Meditations are a new dress of the most Learned Lord Verulam, his Novum Organum; being his Dubitation is to be read in the 31st. Aphor. of that Book, where he saith, That a Redress is to be made from the first Foundations; because, as he saith in the distribution of that Work, there is a twofold fault of our Senses, they, sc. either altogether forsake, or deceive us: for there are a great many things, which our Senses, &c. His Prejudices were before that time termed Idols,
by

The Epistle to the Reader.

by the Learned Bacon; and the Advice of fixing upon some general Truth, by which we may more clearly make Disquisition into her more retired Recesses, given by that most ingenious Gentleman; who, tho' well knowing the Infinity of such Maxims, upon the ground of Assent, at first hearing and understanding the Terms; yet could never suspect that any could carry the Matter so high, as to fix upon any one as the first; neither is the Proof of Existence, because of Thought, at all such; except we also know the necessity and relation of Thinking, and Being, which he perhaps had cleared, if he had not been afraid of falling into that other general Truth and innate Idea (if there be any such) that it is impossible for the same thing to be, and not to be.

This, then, being the whole Life and Spring of his Meditations; we may most justly say, That they are nothing else but Sir Francis Bacon reviv'd. And that his natural Philosophy is nothing but a dexterous Application of his ingenious Principles to the common and observed Operations of Nature, will be most clear; if we do recollect, where, in the

Fourth

The Epistle to the Reader.

Fourth Book of his Principles of Philosophy, being now destitute and run out in his own Learning, he doth ingenuously confess, That he can assert nothing positively of these Phænomena's not having had sufficient Trial and Experiment. And as the Ancients did cast such things as they could not explain by their beloved Four Qualities, into that vast Catalogue of such as are Occult; so the ingenious Des Cartes did dispatch a great many Difficulties with his as unconceivable Dispositions and certain ways of Doing. Neither has Aristotle and his Followers been more diligent in suppressing those Ancient Philosophers, that, as the most Learned Lord Verulam saith in the 232 p. of his 3d. Book, about the encrease of Sciences, After the fashion of the Ottoman Family, they thought they could not safely Reign, unless their Brethren were Assassinated; than the Followers of that Famous Man to suppress, contrary perhaps to their Master's first Design, every way of explaining Phænomena's but their own.

This

The Epistle to the Reader.

This Contagion stoppeth not here, but has diffused it self so much into Medicine, that now, there can be no Learned Physician, but who doth reason his Diseases from these three Principles, h. e. from the different Efforts and Operations of the Matter of the first, Globules of the second, and that of the third Element. But whether my most Learned Author has just reason to subscribe to those, or keep by his own Philosophy, shall appear from the following Considerations: As,

I. From this useles and general way of explaining Phænomena's, wherein there's nothing to be found but empty Sounds, and most abstract Notions. They call all Diseases a confused or ill mixture of the Humours, which in the main is true; but how to settle the different kinds of Diseases, is somewhat hard; and their Cause an obstruction of Pores, and so (with them) must always be thrust out by Diaphoretick and Sweating Medicines: And so there is never any use for cooling and temperate Medicaments, these silly and naughty parts of the Creation, which are ordain'd without any Design,

The Epistle to the Reader.

sign, and are of no use to Man, as the standard of our Religion would inform us: So either there must be no such thing in nature as these Remedies, or the Scriptures do cheat us, when they inform us, That all on this Earth was created for the use of Man. Yea, as might much be doubted (that I may pursue their fancy) whether the parts of Matter, arrested by Pores of a different Figure; these Causes of Obstructions are to be driven. Surely, not outwardly lest they produce a too great extension of Fibres, and so communicate Irregular Motions unto their beloved Glandulars, and so, create some grievous Perception in the Soul, *h. e.* Pain. Neither inward, being they have not yet seen the necessity for these Wedges, to force their Return, which, else, they could easily have supplied us with. But to the purpose:

2. From the bad Success their greatest Authors have had in practice, not to name any, being it is well known to any that have been in their Country; yea, whatever Parade they make in their Theory, their Practice is nothing different from that of the Ancients; and their

The Epistle to the Reader.

their Prescriptions are most implicitly transcribed, yea sometime when they do flatly oppose those Views they established from their Theory.

3. From the small Progress Physick has made under its Conquest. For what Advances have they made merely, or for the most part, by their Philosophy? Is not the spacious Field of the Materia Medica the same, for them, as it was left by Dioscorides and Bauhinus; though the Rise and Beginning of this Philosophy has been in a time when the great Secrets in Anatomy have been disclosed; which some, most ridiculously apply to the great Advantages that have accrued to the World by this; as if it had been the Clew of Ariadne, that led into the vast Labyrinth of Anatomy, and of a great many more that did then appear, by the diligent scrutiny of Men at that time.

So that he may say of Medicine, considering its growth under the Cartesian, or other fanciful Philosophy, what the Learned Verulam said, upon another occasion, of the Mechanicks in his days, That they were come to a greater heighth in the Shops, where Men were
Armed

The Epistle to the Reader.

Armed with Tools, than they had come
in the Schools of Mathematicians
That Medicine has made better advances
in the School of Hippocrates than in all
the rest; and it may justly have this
Character, being the Consequences are
as dismal, that the most Famous Bacon
giveth of the Peripatetick Philosophy

*I might demonstrate here, for further
Defence, the great Advantages
Physick hath, being treated after this
manner, and so run through all the
past Ages until History should give
us no more help; if the treating of this
particular would not swell this Preface
into a big Volume.*

I shall not for-estall you with any Col-
lection of the most considerab'le Remarks
of this Book, lest I should be oblig'd
to range it into this Epistle; and
very little patience will be able to con-
quer them all.

And now having answered, at a
great length as this place will allow, the
several Cavils that have been brought
against this Book: 'Tis now fallen to
my own share, that I give some account

The Epistle to the Reader.

of my self in this Translation, and that I who have been Vindicating another, may need some excuse for my self. Truly, this pitiful Humour of excusing is large worse than the fault, and maketh a Man become unpardonable for doing any thing, they are sensible doth need Vindication, when at the same time they may leave undone, that which they make Apology for. Yet, that I may not flatter my self that I can escape Censure more than better Writers, and my most Learned Author; I shall declare my Design, that, at least, they may not be utterly unmannerly, and give us the lie in Things I positively aver.

And. 1. 'Tis no affectation to be in Print, which no Man, that would keep free of Publick Malice, doth desire; beside how mean a thing it is to be a Translator, though a work only suitable to my Tears.

All my Ambition is, that I have catch'd hold of this occasion, to defend Truth,

The Epistle to the Reader.

and my Learned Author from unjust
Calumnies.

I have put it in an English Dress; not only that the rude and unlearned may see in this Mirrour (my Author's Book) what the Art of Physick is, and how unfit it is to be practised by the Ignorant and unskilful, who presumptuously venture on the Lives of others; and turn Mountebanks with a few Receipts, without the least considering the most profound Principles of this Art; or searching, into the Nature of Diseases their several Motions, and different Symptoms. But especially, that Women and Illiterate People, with whom these Physicians have interposed their Scandalizing Authority, may be taught, from the solid Reasonings and the Answerableness to the Standards he hath set up, to be no more afraid of such, as of Hogboblins, as do most endeavour the preservation of their and their Infants health, by the Methods of the most Famous and Learned Sydenham, and of my Author, put in practice as the different Exigences, which are only known to the Skilful, do require.

But,

The Epistle to the Reader.

But, also, the Learned may be remembered that the World had very much advanced in knowledge, if the endeavours of ingenious and industrious Men had not been much cumbered with the learned, but Frivolous use of uncouth, affected, or unintelligible Terms, introduced into Sciences, and there made Art of, to that degree, that the Art of Medicine, has not been able to endure a satisfying Tryal; until the diligent Labours of some late Authors have broke in upon this Sanctuary of Vainety and Ignorance.

So I hope our thus discovering this and other parts of Physick in the Language of every Gossip it so far from bringing edged Tools into the Hands of Children, and teaching Men to play too much with their own and others Healths, that it may be a way to put a stop to the infinite Mischiefs and frequent Murders that are daily committed.

Only, now, I must make Apology to the Author, though unacquainted, for

The Epistle to the Reader.

for making use of his Book upon that
Design; to whom only I can answer
that it is the fittest, upon many account:
for so Publick a Service. And as he
in the close of this Book, leaveth all way
to others the same power of judging
assumed to himself: so I hope he doe
not, either, restrict this Maxim in do
ing; for I take him to be so candid
and just a Man, that he doth na
thing in Publick but what he allow
in others; and, therefore, I presume
he cannot be dissatisfied, being
did travel in the same kind of La
bour, b. e. he Translated Monsieur
Bleyny de la verole, upon the same
Design, I do his de morbis. &c.

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An Exact

ENQUIRY

Into, and Cure of the Acute

Diseases

OF

INFANTS.

WHEN but last *Summer* I had
discourfed the moft skilful and
accomplifhed Phyfician, Mr. *Sydenham*
about the frequent Succels I have had
in the Cure of the moft dangerous
Difeafes of Infants :

That very Learned Man did ferioufly
inquire what method I did take in fo
me (that I may fay no more) and fo
refeotive an Affair, of which the moft
B famed

famed Physicians have had so small knowledge. Before him, then, did I most willingly expose that way, which of all pleased me most, and which he, after tryal, did not only not disprove, but confirming it by his own experience, and declaring it most useful to others, did most earnestly desire me, to recommend it to the World. By the persuasion then of so Learned a Man, I take my Pen, and to my power, do consult the Health of my Country.

I know in how unfrequented, and unknown a Path I am to walk, since Children, and especially sick Infants offer nothing for a clear Diagnostick, but what we can collect from their moaning Complaints, & their uncertain Idiom of frowardness; wherefore, very many Physicians of the best Vogue, have often declared to my self, what unwilling Visits they made to Sick, but especially New born Children; hoping little from these Notices for the unriddling of their Maladies. No doubt, we should as diligently inquire after a perfect Cure of Childrens Diseases, as of any other thing that may seem wanting in Medicine;

dicine; neither do rich men, who do desire, or would preserve the Health of the Heirs of their vast Properties and Possessions, trust much to this; but all Parents who with an invincible Affection, do as eagerly maintain the Health of their Young ones as their own. Wherefore, if I shall give some small light, which advanced by the polished wit of other men, that may render this rude and imperfect Work more absolute and exact, I shall not repent me of my Undertaking, but shall take it in very good part.

Who therefore will diligently ponder the Symptoms of the Youngest Infants, which are most evident, or whoever shall seriously reflect upon their delicate Constitution, and most simple Diet, shall find this not so difficult a Task, as he formerly conceived. For I do not doubt to assert the Diseases of that Age generally to be but very few, and only to differ in degree; yea, that the Cure of Infants is far more easie and safe, than that of Men and Women.

As of all Ages, that of old People is with very much ado changed to bet-

ter, because of the dryness and hardness, and almost stony temper of all their Solid Parts; so without doubt, the Younger, because of their delicate and mucilaginous Tenderness, are apt to receive any alteration imaginable. For these Parts of an Old Man are dry and wither'd, which in Infants are most humid, *viz.* their Bones, Membranes, Ligaments, Arteries, Veins, Nerves, and the very musculous Flesh: Sith that even the Bones of Infants may be more properly termed Cartilages; and now being they do abound with so much natural and acquired moisture, that their Bodies are perfectly soft and flexible, that temperament and constitution is very justly said to be the most humid.

And as the constitution of Children is most humid, so I dare not to pronounce all their Diseases to be of one kind, and to be produced from one and the same cause; and that the Maladies of the however different parts of the Body, whether they be the uppermost or nethermost, as the Stomach, Intestines, Lungs, Head or Nerves, are variously

variously and most affected, are of the same Nature, under divers and sundry Names.

In which assertion, that I may not seem rashly to maintain a Paradox, you may hear *Hippocrates* himself in his Book of Winds or Vapours, speaking of one and the same Universal Cause of Diseases. *Τὴν δὲ νόσων ἀσθένειαν, &c.* The Rise of all Diseases is one and the same. The place only maketh the difference. Wherefore, Diseases seems to have nothing of Relation, because of the diversity of their places; when, tho, there is but one Species, and the same Cause of all Diseases.

Wherefore, if we shall consider the nature of the Moisture of Children, we shall not find it possible to degenerate into any defect or putridness, but that which is acid. For with whatsoever Disease they are affected, however named by the Authors; seldom or never could I find wanting Excrements of a very sour smell, and an abundance of tart and acid Belchings, especially in the beginning. But also, almost all Liquors that do tend to pu-

refaction, do naturally contract acor or sharpness. Yea, Milk it self, the proper Food of that tender Age, if kepted for some time, becometh sour, and doth coagulate upon the Fire, without the addition of any other Acid. Moreover, all the Symptomes of Childrens Diseases do justly reckon their beginning from an Acid.

With all which, let us consider the weak temperament and the infirm constitution of their Blood, so that the Spirits that lodge therein, have not yet attained so great mastery as too discharge their Functions and Offices, or to settle by their own Force or Activity, any Irregular Motions of the Humours proceeding from any inward or external Cause. For that Vitall Liquor, as Stomach, before it be duly fermented, doth easily contract a preternatural Acor and Tartness; though it may easily be redressed by timeous and artificial Help.

By an Infant I do not only in a more strict sense understand, with *Galen*, a Child of one, two or three months, but in a larger (as commonly) a Child more

more advanced in Age, even to four Years; from which to 14 he is a Boy. And being confirmed by multiplied experience, and Reason it self suggesting no less, I do firmly assert, that the younger the sick Child or Boy is, that his cure is so much the more easie. For any Impression whether good or bad, is sooner received by a soft than a hard Body; though it be more lasting, if once it be impressed upon the hard: So Children, do easily fall into Diseases, and are very easily restored to their Health, if they be not ignorantly and unskillfully treated.

The Diagnostick of Childrens Diseases, cannot so much be collected from their own Relation, neither from the touching of their Pulse, or from a more curious Tryal of their Urine, as from the Answers of the Nurses and Women that are their constant Attendants. The Women know, if they have been troubled with Loathings, and Vomitings, and how long; whether the Food or Milk that was cast up, was curdled; whether untimorous Weeping, Watching, and Disquiet,

give any Notices of Colick Pains; whether they be affected with acid Belchings, or the Hickup, or a Cough doth appear; whether their Belly hath kept a due course, and if their Excrements be white, green, or filled with Bile. They know, if their Infants have had extraordinary drouth, and so be Feverish, or if their mouths be full of Thrushes, which do much trouble their Sucking. Being enquired, they can inform you, if epileptick Spasms have seized their tender Bodies, with the several Concomitants of time and severity, or whether their present Sicknes be treisted with their breeding of Teeth; or lastly, whether any thing considerable, whether that be a swelling of their Belly, or of any other part, either Wheels or Pushes, or the Jaundice, or Rose do appear. The other Symptoms, methinks, do more belong and appertain to subtil Speculation than Practise.

But the frequent Complaint of an uncertain Diagnostick, has more its rise from the preposterous and useless

less way of curing, than from any want of Symptoms. For under this Mask and Vail Physicians do willingly cloak and conceal their Ignorance and Mistakes. Neither can I conceive upon what account Almighty God who governeth and provideth for all things, who disposeth of every thing in so good order, and who hath given to the very Beasts, and to Insects, of all these the most vile, an innate and sufficient sagacity for preserving themselves; should restrain his bounty from communicating it self in that manner to the Children of Men.

But the Pulses of Children are naturally, or upon every little Alteration do become so swift and frequent, that they always seem somewhat Febrish. Moreover, they are for the most part, so chagreen and froward, that not keeping their Wrist one moment in the same posture, do not suffer their Pulse to be touched. Lastly, there are so many things that do accelerate or otherways change their Pulses, that Sentiments taken thence

should prove very uncertain, if not altogether false.

Their Urine, when in perfect Health, is most thick; so that any too curious Person, unacquainted with this, could pronounce them labouring under some grievous Distemper, though at that minute, they do enjoy most prosperous Health. The Urine of Infants is always mixed with their Excrements in their Cloaths, so that it doth rather serve for the scalding and excoriating of their Thighs, than for the profound and deep enquiry of the Diviner.

But that we may the better search into their Diseases, we must not entirely neglect the Notices that may be gotten from the foregoing or pro-cataractick Cause; which are to be taken from the consideration of the Disposition of their Parents about the time of Conception; or from the Reflections upon that Nourishment which was then transmitted into them, either by the Navel, Pores of the Flesh, or of the Skin, which are then most patent, while they are in the Womb,

and

and but yet beginning to be, and exist.

It cannot be denyed that there are such diseases as are derived from one or both of the Parents unto their Children: Who can doubt, but that the *Gout, Epilepsie, Stone, Consumption, &c.* Have descended from Father to Son, when whole Families of the same Blood have ended their lives in the same kind of Disease. The prolifick Seed doth so firmly communicate to the *Fœtus* a disposition to Diseases, which is so natural, and groweth so much with their years, that it cannot be rooted out with any pains or industry. And I think that hereditary Diseases are never more frequently communicated, than from the Mother in the time of her big Belly. For *Teeming Women* are obnoxious to a thousand Faults and Errors in their Diet; they are exposed to a thousand Accidents, with which either being affrighted or otherways wronged, do derive indelible and uneffaceable Injuries upon their Children. For how absurd are the longings of Women
with

with Child! One cheweth Coals, another Lime, a third Ashes, and each with the greatest pleasure; one eateth raw Fleshes, the other crude Fishes; yea the Appetite of some hath been so depraved, that it could not be satisfied but by some Callous and solid part from the Body of Man. Moreover, it is daily most obvoius, how great the force of their Fancy and Imagination is? How great Monsters it hath produced! and what taches of all kinds it hath communicated to Infants. And now, if I should resolve to scartle together, from all hands, the wonderful accounts and Histories of *Teeming Women*, or in plain English, if under a pretence of vast Learning, I should give out my self for a great Reader, I have here a very fair opportunity of digressing and expatiating into a very large Field, however beside the purpose; but I choose rather to prosecute my design, and endeavour Brevity, than by idle circumlocutions, and the vain and empty Citations of Authors, to boast of learning falsely

So called: Always esteeming that Man more learned, who can produce something that is true, from his own knowledge and Experience, than him, who being very well acquainted with the Tables and Registers of Books, can collect and quote, upon occasions, the Opinions and Sentiments of Authors, quibbling and contending among themselves.

Those Mothers who are most subject to these depraved Appetites, do impress and communicate unto their Children such diseases as can only be cured by time. And poor Women whose best Divertisement and only Antidote against Melancholy, is hard labour and constant working, whose Food is most slender and simple, are seldomeff essayed and proved with these depravations. But above all, such as are Hysterick (with whom we may justly reckon a great part of your delicate Women, who spend the most of their time in Dressing and Decking, and do languish and decay with idleness, whose lazy and torpid Blood waxeth Acid and Tart, after the
same

same manner that standing Waters do corrupt) do most certainly Communicate to their Infants such Dispositions to Diseases with their first life. *Being an ill Raven (as the Proverb is) an ill Egg.*

Amongst the rest of the Creatures the innate goodness of the *Kind*, is most surely derived upon their young, partly because of their simple Dyet, and partly, but more especially, because the Male sacredly observing the Laws of Nature, never copulateth with his Female, when his instinct (however informed) inditeth her seeming. But Man (whose lofty Reason hath taught him to despise the Brutes) almost more falacious than a *Buck-Goat*, not knowing how to restrain and bridle his Lust, importuneth his Mate from her first Conceiving until the hour of Birth. Hence it is that strong and Healthy Men do so frequently beget weak and valetudinary Children. This is the Reason why Old Men having overpassed (by the benign favour and help of Nature) the Stage and Period

...iod of their immoderate Embraces,
...lo beget of their Decayed and Bar-
...ren Seed, more plump and healthy
...Children than the strongest and most
...seen Youth.

Thus having considered the proca-
...arctick cause of their Diseases, which
...do mostly depend upon the condition
...of the Parents whilst they are begot-
...ten ; especially of the Mother, in the
...time of her Big-Belly : We will now
...come nigher, and inquire into the
...more immediate Causes of their Ma-
...ladies, which may be reduced to
...these four Articles.

1. To their catching Cold.
2. To the too thick Milk of the Nurse.
3. To their over soon eating Fleshes.

And 4. To the mad and impru-
...dent fondness of Mothers, and many
...Nurses who do often permit their In-
...fants to sip up Wine and other strong
...and Spirituous Liquors.

And, 1. Cold, especially from
...the night Air, to which they are
...most subject, doth very often make
...way

way for these Fevers, with which Infants are so frequently affected. Sith that they come naked from the Womb, not being cloathed by Nature as all other creatures are; Reason or, rather, Nature, destitute of her own help, doth instantly suggest the necessity of wrapping them up into warm Cloaths. Moreover, the mutability of the Air, and the continual vicissitudes of Heat and Cold, do plainly advertise us, how great our care should be in the warding off its Injuries. For the more tender and delicate the Temperament and Constitution of any, even of the most adult is, the more are they subject unto impresses and inconveniences from the Air. But the strength and constitution of Infants are of all the most tender and infirm; and unless there be great care taken for warm and convenient, not fine, splendid and sumptuous Cloaths especially for such as are descended of honest Parents, they cannot long eschew these Diseases, which are the ordinary attendants and consequents of night
Air.

air. Yea, an exact care for convenient Apparel (whatever some strong Men may deny) is so absolutely necessary for every age, that ordinarily the most weak and valetudinary People (for as much as I could ever observe) do live longer, than the most robust and strong Men; which can be attributed to nothing else, than the great care of the one, and supine negligence of the other for convenient and warm Cloathing.

2. The too thick Milk of the Nurse. For if she be a lover of Wine or any other strong and spirituous Liquors, her Milk is so warm'd and on a sudden inflamed, that fire itself only passeth her Breasts, for her sucking Infant; but if she more constantly entertain the untimely embraces of her Husband, her monthly Visits are renewed by their Copulation, and so her Milk Corrupteth and groweth soure, and the matter for the Milk being otherwise diverted; the Milk it self doth gradually diminish, and the lean Child for some time troubled

troubled with inconvenient Food,
so often killed.

Lastly, If she be hysteric *b. e.* off
more tender and delicate Constitution
however Chaste and sober she may
be, yet her Milk doth degenerate
and Naturally turneth thick. In hee
great danger then are Sucking In-
fants! upon how Inconstant and Slip-
pery a plan doth the Health of these
Innocent Children Sift! It's this, and
some other Causes, which I shall ju-
now recdunt, that are the frequent
occasions why we hear so often the
found of the Passing Bells of the
Villages about *London*, for some one
Child that is undeservedly Atoning
and Expiating the faults and mistakes
of its Nurse; and now ending its
scarce well begun Life, having mingled
with some unchast Intemperate
froward, and dishonest Nurse.

But also from the foregoing Causes
doth depend, a remark which
a *Divine* of very good Credit and
intire Fame, Rector of the Parish
Haies, twelve miles from *London*, did
make, when he told me with great
Grief

grief, how his Parish which is very
 large, and of great extent, well
 peopled, and seated in a most plea-
 sant and wholsom Air was upon his
 coming to that place filled with Suck-
 ing Infants; yet in the space of one
 year he was assistant at the burying
 of them all (if you do except two,
 and his own only Son; whom, being
 yet very weak, he did not unadvit-
 tly commit unto my Care, from his
 birth.) Yea, he was witness that same
 year to the Interring of the same
 Tumber which had been twice sup-
 plied in a City, perhaps amongst the
 greatest in the World, yet brought
 to an untimely end by the fault of the
 Mercenary Nurses.

Moreover, the thickness of Milk,
 whatever be its cause, cannot but
 produce a great many inconveniences
 of sundry kinds; being that the Bodies
 of Infants, should, of all, be the most
 fluid, and these smallest conduits
 which are ordained for transmitting
 of the Chyle, should always be kept
 open: and lastly, being that this most
 unnatural thickness of Food is most op-
 posite

posite to that most fluid Constitution of Infants, and doth give occasion to all kinds of Obstructions in the first Passages.

3. To their over soon eating, not more properly, devouring and swallowing down, of fleshes. For it is most admirable that Mothers are now in a fear of killing their Infants, with so disagreeing and improper Food to whom, though they love so excessively, that they seem mad in that passion. For who could seriously think that flesh, so solid and compact a substance, can be at all agreeable with these tender Infants, who as yet have got no teeth, at least not strong and firm enough, for the chewing of fleshes. What man of the least judgment can assert the Riot and excess of this most manly and robust Age any way convenient with one, that is so tender, and most simple, and whose strength is most infirm.

It's certain, that convenient Diet is not to be neglected in any part of our time, but because the Temperament and Constitution of Young Ones do the

easily sustain Injuries upon that
 ore; neither have they force e-
 ough to ward off Diseases from that
 and: therefore there should be greater
 re taken for the preventing these
 rours and mistakes. For a cropful
 fleshes too early and untimely de-
 ured, is a most fruitful mother of
 rudities, which are almost insepa-
 ble from this gormandizing Age.
 rude and indigested food doth neces-
 rily produce that corruption of hu-
 ours; from which not only worms
 e bred, but also these various, most
 ievous, and most irregular Symp-
 ms, whereby Infants are wasted and
 decay, do proceed and have their
 e.

By the way, I must observe, that
 e Crudities of Infants are, over and
 ove, daily increased and accumula-
 d because that almost all Nurses
 repose their Infants for sleep pre-
 atly after Meat of whatever kind.

4. To their sipping up of Wine
 d other strong and spirituous Li-
 ors imprudently permitted and al-
 wed. And this cause, as the for-
 mer,

mer, is only referrible to the foolish
 indulgency of Mothers. Doubtless
 they do suppose, that these things
 which they reckon good and pleasant
 to themselves, and which do free their
 hearts from care, cannot be disagree-
 ing with their Infants. As if feet
 sooth one Shoe were fitting for every
 Foot! Truly, these very good Wines
 men do not consider, how hard and
 firm their Hides, and how soft and
 tender the thin Skin of these young
 ones are; they do not remember that
 one man's Meat (as people speak)
 another's Poyson. Lastly, they entir-
 ly forget how their craving App-
 etite is scarcely quieted with the stron-
 est Meats, and how hardly their In-
 fants do digest Milk and Panado.

But the nigher that any come
 Old Age the more do Wines becom-
 agreeable with them. Being, that
 languishing Heat of Old Men do
 want a supply from volatile Spirits
 which may be had in great abundance
 from Wine, both for the encreas-
 as also for the preservation of their
 natural Warmth. Wherefore Wine

most hurtful and inconvenient for the Nature and Constitution of Infants, being it is the most different and remote from that of old men; for their very weak Nerves are most easily destroyed with it, and their tender Bodies are either colliquated by degrees, or suddenly cast into Fevers with the hotile flame and heat of Wine.

There are some who would allow Wine to Infants, because of their unreasonably eating of flesh. For that they think, that Wine, even in that Age, with much advance and further the concoction and Fermentation of Cruelties, to which, no doubt, these young Ravens are very subject. But I shall not so much here debate, whether one mistake should cure another, or both be eschewed, as I shall offer the impartial consideration of any man, who may compare the Children of poorer People who have a simple and sober Diet, and those of the rich who have all things in plenty and excess.

Truly, all kinds of Wine and Spirituous Liquors more liberally drunk,

drunk, do not only destroy the natural Ferment of the Stomach in Children, debauch the Appetite, burn up its Coats and wrinkle them as Parchment over much dried by the fire; but also (which is most considerable in this case) do exceedingly injure the Nervous Coat, by which all the Nerves of the Body are weakened and the Animal Spirits driven into confusion. The Wine which at all least wrongeth that tender Age is that which is White; in as much as it was reputed cold by the Ancients, though not absolutely so, but in respect of all other Wines, whether they be red, yellow or of Fallow colour. Yet *Galen* strictly discharged Children the use of every Wine.

All the Causes antecedent or mediate of Children's Diseases, however many they really are, or be supposed, may justly be resolved into the one immediate cause, *scil.* a very active and prevailing Acid.

The History, then, of the most grievous Diseases, wherewith Infants

re mostly affected, is, as followeth.

Their stomach whatever be the first cause, is always affected with an acid Distemper, whence, their Aliment is reduced, not into that homogeneous Substance of Chyle, but into Posset. This unequal condition of the Chyle and Nourishment, begot likewise from too much Acidity, doth chiefly produce Loathing, Vomiting and sour Belchings. But if this Distemper be protracted, and of great continuance, they turn pale by grees, and their discolour'd Face tinged with somewhat of a yellow green Colour. Then doth their belly swell with Wind, and Flatulent Eruptions are carried upward. In the mean while one or two red spots (a most certain sign of too much Acidity) do appear upon their skin, upon some upper part of their body, sometimes, *sc.* upon both cheeks sometimes upon their chin, sometimes upon their Fore-head, or upon their neck, though sometimes lower, and the patient becometh daily worse. But he al-
breatheth high, and that with a kind

C

of

of snoring; with which symptom he is always affected (especially if the Chill be plump) when his Disease has gotten into the Category of such as are Acute.

Moreover, he is often troubled with a slight, dry Cough, though sometimes it is strangling and suffocative: with a dry Cough, because of the sharpness and Acrimony of the Humours that continually prick the most sensible Branches of the Wind-pipe; but the choaking doth proceed from the abundance of Serous and Watry Humours, that fill up and burthen the small Vesicles of the lungs, that it cannot be cast out and discharged. But also, they being endued with a great debility and weakness of Nerves, and a superlative softness and delicacy of Constitution, they are not able to subsist with the violent trouble of Coughing, but succumb under that unnatural and excessive motion of their Breast, and their face is blackish as that of strangled people.

But, if this coagulated or possessed Food, doth fall from their

mach into the Intestines (as frequently
 doth) then Gripes or Colick-pains,
 greenish Excrements, and very often,
 most dangerous Fluxes do ensue. And
 while this Tragedy is in acting in
 the lower Ventricle, these great Pains
 must be attended with more Drama-
 tists, and therefore, do introduce
 fevers, which, if not kindly enter-
 tain'd and dexterously managed do
 cut short the days of a great many
 Infants; or if the pains being not
 so violent, but, perhaps, surrendring
 to whatsoever an unskilful Cure, yet
 doth it terminate into a Bigg-belly,
 the most convenient thing in Nature
 for producing the Rickets or Kings-
 wil. A certain sort of tremulous
 mucus or Gelly (the immediate
 Origin of Worms) which is some-
 times whitish, though sometimes of
 grey and yellow Colour mixed with
 green, is naturally, but oftner by Me-
 dicaments dexterously and skilfully
 administred, purged off with the Ex-
 crements. They often rub their Nose,
 not only when they are troubled with
 Worms (as Women commonly be-
 lieve)

seive) but in every Fever which ha
 its rise from a corruption of H
 mours; for any sharp Humours can
 ed upward, do affect the thin am
 sensible Membranes of the Nostrill
 either of young or old, in Acute
 Chronick Diseases. The afore-mentio
 ed Gripes do continually produce
 watching, disquiet and moaning
 which the Nurse doth as often ende
 vour to allay, by giving it her Brea
 that there may be some short dela
 or Truce struck up, for her trouble
 some business and employ. But if th
 Nurse be oppressed with Poverty
 home, and therefore be sometimes fo
 ced to leave her Infant discharging
 his Complaints in the senseless Air;
 being merely mercenary (as most ord
 narily she is) and not compassionat
 her weeping Infant, it is frequent
 troubled with some one kind of ru
 ture for many years. Moreover, if
 Milk or Food (while these Pains co
 continue) never duly digesting bu
 turning Acid, is posseted, so by litt
 and little it becometh Feverish; th
 drought is intended, his Joynts tum

succid, and so the tender Infant grow-
 eth daily weak and infirm. Upon the
 loss of all this sickness, Convulsive
 motions and Spasms do seize upon
 the Members of the Feeble Infant;
 and when there is no more force and
 strength in their Nerves for actuating
 the Muscles of the Heart, and pro-
 ducing the Blood (by the Laws of
 circulation) into the Arteries, doth
 flit up the White of its Eyes to the
 heavens, the proper Seat of unvio-
 leted Innocency, and endeth untime-
 ly its short life, before it hath un-
 derstood the miseries of living.

If they become sick about the time
 of their breeding Teeth; they are af-
 fected with a great many of the fore-
 going Symptoms, and Thrushes; Ul-
 cers of the Mouth, of a fiery hotness
 (a sort of white Scurf) which do of-
 ten begin immediately after their
 birth, and before the growing of their
 Teeth, though now and then later, yet
 about this time do most prevail, and
 do sometimes so blister their Mouth,
 that being overspread, and every where
 ulcerated, it cannot let in the belo-

ved Breasts themselves, nor a Spoon without the greatest trouble and aversion.

Further, the Mouths of Infants are very often so hurt and wounded with Thrushes, that they cannot weep nor let Tears fall from their Eyes for some days; altho' they be tormented with exceeding tenderness and intense heat of Mouth, with a great many other Sicknesses that are the ordinary Attendants of Fevers. And therefore account that change from their being dumb unto their echoing the Hout with Cries a very good sign.

Boys of greater Age tainted with Feverish Symptoms; do for the most part complain of their head; which pain is no Disease of it self, but symptomatick and derived from the Stomach and lower parts of the Body.

That all these and the like Symptoms do immediately proceed from the puffed and thicknes of their Food especially being greater than can be at all agreeable with the Constitution and Nature of Infants, whose Call
nall

als and Passages should necessarily be most fluid; and that this posseting is oftner produced from some degrees of Acidity than any other cause, is most evident from our Senses themselves and the way of Cure (which is excellently effectuuated by such things as obtund Acidity, and deopilate or dissolve Coagulations.)

The frequent Vomiting of that thick Gelly, and that viscid and coagulated Phlegm somewhat green, when the sickness has advanced; and their breath which hath a very sour smell, are things most evident to our senses.

That the green Colour of their Excrements is meerly from Acidity mixed with Bile, will be most evident to any who take pleasure in changing of colours into green with Vinegar and Acid Spirits. Moreover, the smell of their green Excrements being always designed Acid by the very Nurses, doth clearly demonstrate the same.

The excessive Gripes and pains in their Belly and Paleness of Face do confirm the abundance of Acidity; for

so soon as they are troubled with these Pains, they turn pale, though never so high colour'd before they were afflicted with this Distemper; except that sometimes their Cheeks are possessed with a pleasant blush, which doth easily vanish into the wonted paleness.

En passant, I shall observe that I do by no means hunt or sue for the honour (if there be any such) of being the Author of a new Hypothesis: neither think I my self obliged, if I have either excogitated or established one, to collect all sorts of arguments (as is customary) though against my Inclination, for gaining credit to the foresaid Hypothesis. Being, the chief thing in Medicine, and which can only be serviceable to the health of mankind, is such a knowledge of Diseases as is both founded upon, and confirmed by Experience and Practice. For the other ways of explaining Phenomena's however learn'd and subtile they may be thought, do rather make a shew of an acute Sophister, or Philosopher, improperly so called, or very often

often of a most ready wit ; but shall
 ever proclaim him a truly skilled Phy-
 sician, and a Man excelling in his own
 Trade. For all these gay speculations,
 which are so admir'd (as Poetical
 flashes) by the frisking Spirits of
 young Men, are seldom or never to
 be found but in the Brain and Fan-
 cy of their *Inventor* ; and are never
 so often contrived as by those, who
 are the most unsuccessful Practitioners.
 But the solid and genuine Ideas of
 Diseases are never to be acquired, or
 their truth justly to be judged or ap-
 proved of, but by *practice* it self.

I know how obnoxious, and per-
 haps not undeservedly, this my Notion
 of an Acid, which I suppose to pre-
 vail in the most remarkable Diseases
 of Children is to the Censure of di-
 gent considerers. Yet neither shall
 I too stiffly, debate whether all the
 Signs of Acidity, which subtle Men
 of business and given to quibling
 and strife can remember, do quadrate
 and exactly agree with that Notion
 of an Acid, which I maintain does so
 much abound in the Stomachs of In-
 fants.

fants. My expectation shall be abundantly satisfied (albeit I take no great pains in polishing and displaying that Notion) if I shall be so happy as an length to demonstrate a more effectual and a more certain Method of Curing than hath been hitherto in use and which I freely leave to the determination of such, as shall try the truth of my assertions.

Nevertheless, I shall not pass over what *Hippocrates*, without all peradventure, chief of all Physicians, doth declare at large, in his book concerning the old Medicine, about the Cause of Diseases: that, *viz.* he may more thoroughly demonstrate that all Diseases have not their rise from the first, but second Qualities. His words then are these: *Ου γὰρ τὸ ζῆλον, ἢ τὸ ὑγρὸν, ἢ τὸ θερμὸν, &c.* *Them.* (sc. the most famous of the Old Physicians) did not think that man was either injured with what is dry, or moist, hot or cold, and that he had no want of any of these. But they esteemed that most apt to injure which was most potent in its kind, and was above the

Constitution of Man, so that Nature
 could not overcome it, and this they
 endeavour'd to extirpate and remove.
 But the thing that is sweetest is the most
 potent amongst things that are sweet,
 the bitterest amongst bitters, the sourest
 amongst things that are sour, and that
 of every thing, which is in the highest
 degree. For they did clearly see that
 these things were in Man, and that it
 was these that did most annoy him. For
 there is in man both Bitter, and Salt,
 and Sweet, and Acid, and Austere, and
 insipid, and a great many more which have
 different Faculties according to their
 strength and abundance: And that they
 were neither perceived, nor do they of-
 fend any Man, when they are duly
 mixed and adjusted amongst themselves:
 But so soon as any of them are separa-
 ted or do appear apart, then are they
 conspicuous and do trouble and harm
 Man. For all these meats, which,
 being eaten, do not agree with us, and
 do destroy our health, are either Bitter
 and not well mixed, or Salt or Acid, or
 some other way intemperate and exces-
 sive; and therefore do create trouble
 and

and disorder in the Body. And thereafter
 'Ου γὰρ τὸ θερμὸν ἐστὶ τὸ τὴν μεγάλην
 δύναμιν ἔχον. For it is not as it is
 Hot, that it hath so great power, but as
 it is Austere and Insipid or otherway
 doth more or less participate of the force
 going Qualities. Again, 'Ου διὰ τὸ
 θερμὸν ἀπλῶς: men are not Feverish
 merly because of Heat, neither is it al
 lone the cause of the Disease; for Bitter
 and Hot, and Hot and Acid, and Salt
 and Hot, and a great many more are one
 and the same; and again, Cold joyn'd with
 other Powers, &c.

From these words, and a great ma
 ny to the same sense fully explained
 in the afore-mentioned Book, it is
 most evident, that our heavenly Old
 Man, that Star of the first magnitude,
 hath ratified, that these second Qua
 lities, *sc.* Acidity, Bitterness, Saltness,
 and the like, are to be considered, as
 the chief Causes of Diseases. And
 therefore I do not doubt to add, that
 it most naturally followeth, that the
 Cure should mainly be carried on, not
 so much by destroying Heat with
 Cold, as by obtunding and blunting
 the

the Acidity, altering the Bitter, assaying the Salt, by inciding tough Humours, and rendring more compact such as are thin, by mitigating those that are harsh, and lastly, by opening the obstructed passages of the Body, and freeing them of their Stuffing.

But perhaps, it may be necessary, that I do premise something in the place of a Prognostick (as is usual) before we do attempt their Cure.

And truly, the *Prognostick*, in my Opinion, doth rather depend upon the method of Cure it self, as that is right, or wrong; as also upon the Behaviour of the Nurse, whether *sc.* she over-much studieth her own fancy, and be the only wise (which, alas! is a most sad consideration) or whether, she be obedient, and doth faithfully perform and execute what is commanded her, than from the Diseases of Infants and Children. For their Fevers are very slight, neither doth their feverish Heat so much burn, as it is more properly a certain degree and advancement of Heat; except when too too curious Art

which

which trusteth to, and relyeth over much upon these fiery and spirituou Cordials, is most unluckily brought in to their Assistance.

Corpulent and fat Infants troubled with Defluxions, and having an open Mould, are most subject to the Rickets, Chin-Cough, Kings-Evill and almost incurable Thrushes.

Lean and Scraggy Children are of all, the most tender and very subject to the worst Fevers, *h. e.* to such as are hottest and most increased, and most inimical to the Nervous Kind.

Children which are born by Hysterick, tender and valetudinary Mothers, which delight much in, and do continually devour unripe Fruits, and Sallads while they are with Child; or at that time do long after such things as are Sour and Austere; or by those who are Belly-Gods, and meer Slaves to their Stomach; and lastly, have their Appetite depraved from whatever Causes: These, I say, do with great difficulty amend of any great Disease.

Children that keep open in their belly, have their Health better than such as are constipate.

The *Spring* and *Summer* are the best times for curing of Fevers; but the *Harvest* and *Winter* are not so.

From the middle of *July* to the middle of *September*, these epidemick Gripes of Infants are so common, being the annual Heat of the Season, (which doth entirely exhaust their strength) that more Infants, affected with these, do die in one month, than in other three that are more gentle.

Convulsions, or at least starting of their Nerves, coming upon Children weakened by some one Disease, or somewhat burn'd up with hot Medicaments, do bring, all their miseries and troubles, wherewith they are tormented, unto an end.

But as to what may appertain to the *Cure of Infants Diseases*, none of these Authors (for as much as I know) who have ordinarily published Volumes about those, and a great many more things that belong to the curing of Diseases, do seem to have accurately

ly

ly enough inquired into it. Truly they have not neglected to describe very diligently a great many Diseases, to rehearse learnedly their Causes, and to deliver as well their Diagnostick as Prognostick Signs. They have all trod the same path, and the more Modern (for the most part) have most implicitly and without further examination embraced the Assertions of their Predecessors.

Sylvius de le Boe has wrote the best Treatise of any that ever I did read on the Diseases of Infants, for he did valiantly maintain an Acid to be their true and general Cause, yet he partly because of his great kindness for some very Volatile Chymical Preparations, and therefore over warm and spirituous, and partly because of his almost constant use of Opiates, which he ordered for the youngest Infants (so that he was characteriz'd and distinguished by the name of the Opiate Doctor) did thave, if not totally destroy by his Practice, what he had in a great deal most learnedly established in his Theory.

If we therefore, do desire to lay
 any sure Foundation for the curing
 of Infants Diseases; we should chiefly
 observe their natural tenderness and weak-
 nesses. And we should make such a
 choice of Medicaments as may be most
 convenient for these tender ones. For
 the more gentle and safe these Re-
 medies are which we administer, the
 more effect shall the more certainly answer
 our expectation. And truly, the use
 of great and generous Medicaments
 commonly so call'd hath never any
 place in the curing the Diseases of
 Infants. What avails the continual
 turning of Fires, for the extracting
 the Powers and strength of Minerals,
 when their Bodies are so easily alte-
 red? Prithee, what natural Harmony
 can there be betwixt th' almost im-
 penetrable hardness of Metals and the
 waxy Softness of the Constitution
 of Infants? Or how can their weak
 appetite, that's scarce able to digest
 their Milk and Panado that slender
 food, endure the burning Heat and
 caustick Faculty of these most delete-
 rous and inflaming Medicaments?

Truely

Truly, even as their food is more simple, so, in all reason, ought their Medicaments to be: not much receding from their Natural State, and very free of too too laborious Art.

Being, then, that Acidity is the chief cause of all these Diseases where with this tender age is affected, the whole Artifice of the Cure is hinged upon the defeating of the Acid. Truly, there might a good deal of mischief be raised before the Eyes of Novices that the truth might not be disclosed to the sedulous Inquirers. But to be ingenuous, and if it be lawful to speak the truth, and that we may not lose our Cost and Pains, whatever things do most immediately eliminate the Acid, these are they that promote the Cure: and whatever serve not that design, do more or less torment and trouble the tender Bodies of these Infants.

But the right management and treatment of the *Acid*, is stayed upon these *two Views* and Intentions: First *sc.* That the Acid may be made fit and prepared to be cast out of the Body. 2. That the Acid thus prepared

prepared, be eliminated with convenient and proper Medicaments. The one, without the other can never make a perfect Cure, but when joyned, are not only able to defeat Acute Diseases, but do much allay the dispositions to Diseases of greater continuance.

The purging of Young Children in the height and vigour of Acute Diseases at first view doth seem most difficult and full of hazard. But the certain advantage from the following method is Apology sufficient, after Eryal.

It's true, the Purging of people of full age in continued Fevers did make a shew both of danger and boldness to Novices and th' unexperienced. Notwithstanding, its eminent and happy success is much approved and made out by the late trials of the most skilled Physicians. But the incomparable and unparalleled Vanquisher of Fevers of all kinds, the most famous Practitioner Mr. Sydenham was the first that did ever communicate the benefits and advantages of Purging *even in Fevers themselves* ;

selfes; who designedly did expose
 in his *Monitory Schedule*, that was
 Printed three years ago, his Method
 for staying off and driving away that
 Epidemick Fever, which so much
 rageth at this time. And therefore
 he has merited so much by this, as
 I think, no Age (so long as the art
 of *Medicine* shall flourish) can pass
 by his Name in silence: Who like-
 wise did not doubt to detect with
 a sublime and Masculine Spirit the
 hurtful and deadly mischief of Dia-
 phoreticks over-thwartly and per-
 versly used not only in Forreign Coun-
 tries, but amongst our selves. He
 hath inculcated before, in his Works
 Printed long ago, the great use of
 Purgatives for the Bastard Inflammation
 of the Lungs (a Disease very rife
 and frequent amongst us) and a great
 many more; and, in the Postscript
 added to the end of all his Works,
 he did place the cure of that which
 he called the *Winter Fever* entirely
 in Purging. Truly the ardent Af-
 fection of that Man, now almost seven-
 ty, and being most sickly and valetudi-
 nary;

ary, for the publick good, could not be hindred or interrupted by approaching Death; why at length he should not Communicate his most compleat and exact Observations upon this matter, in that *golden Schedule*.

But that *Purging* (though it be not enroll'd amongst the secrets of Curing, neither is accounted among the Wonders of Chymy) is amongst the best helps that the fruitful inventions of Curious Men have at any time discovered; I am induced to believe chiefly upon this account: Because, none can be in perfect health, at least, not abide therein for any time, who have not Evacuations by their belly once a day: Which natural evacuation is no less necessary for the maintaining and the preservation of Health, than our daily food for the nourishing of our Body. For the way of living doth but as much require, that the best and most succulent part of our food, be carried by the Lacteal Veins for nourishment to our Body, as that the worst and grosser

grosser part (which too long retain^d doth cast forth hurtful, yea venemous^{ly} scents) be by Nature or Art cast out by the common Privy of the Body Truly, *Purging* hath most justly acquired to it self that Reputation and Renown, that in common discourse it alone hath the very ample and honourable name of *Physick*.

It hath been my constant custom these last seven Years to enjoyn *Purging* in the Fevers of Children among the youngest Infants, according to the prescript of that commended Method altho, I did set it at nought for the People of full Age: And neither can I express how much it did answer my expectation and design.

Wherefore, when at first I diligently read th' afore mentioned Schedule, I had as great joy and gladness of Spirit, as if I had received some signal favour from God. Therefore, I was easily perswaded most successfully to try that method of *Purging* of People of full Age, who had found before the most desired effect of it in the Feavers of young ones.

But the *first Indication* in the Cure of the Fevers of Infants, is to *prepare the Acid* aright. And it shall become most evident, that Acids must of necessity be prepared, before they can be purged off with advantage, if we will but a little consider the nature of an Acid: If *viz.* we shall reflect upon its great power of Coagulating and Posseting; if, as the general cause of Obstructions, which do arise from it; if the natural tendency of all Liquors, if you do except the most Spirituous, into an Acid; if the great trouble that Physicians meet with in the Curing of these people, whose Bodies do abound with Acidity; and, above all, if we shall consider those *Gripes* which attend the purging of these Bodies, that abound with Acidity, without preparation.

I know that this saying, *Preparation of humours*, may be read amongst great many Authors. And their design was, that the ensuing Purgative might have the better event. They did intend to attenuate gross humors, mitigate hot ones, to open the Obstructed

fructed Passages, or to force them
by Diaphoreticks through the Pores
of the Skin. But they mustered
against these, I know not what great
train of Syrups, Simple distill'd Waters
and a great many such trifles, which
were of no use for the designed pre-
paring or altering of the Body. And
the time which should have been spent
in subjugating the acute Disease, was
squander'd away in idleness, and igno-
rance, if not worse.

But, I think, this whatever
preparation had its rise, from that
common, but not thoroughly understood
Aphorisme of Hippocrates §. 1. N. I.
*Things Concocted, not Crude, are
to be medicated.* And I do believe
that the continual wresting of this great
Canon into Senses very strange and
forreign to the purpose, is the Cause
why so many famous Physicians in
the by-past Ages have so little dread-
ed of the benefit and advantage
purging in continued Fevers. For
indeed the first beginnings of Fe-
vers (and especially after the sick per-
sons are confin'd to a warm Bed

very often give most evident signs, Crudity; the assistant Physicians, however happy Practitioners they are upon other occasions, for the most part do instantly betake themselves to Diaphoreticks as their only refuge, and they are as much affrighted at the very naming and mentioning of purging, as the Foolish Nurses.

Neither am I ignorant, that some Authors have had long Disputes about Purging in Feavers, as almost in all other Diseases; but if I may speak my mind in few words, they have rather designed, with many words, to fill up volumes, to amuse the Minds of their Readers, and to show their great Learning, than either to illustrate or determine the Truth. Sir Robert Boyle the great Ornament and shining Star of this Age, having a more than ordinary Masculine Spirit, and a most sublime Understanding, which made good, *h. e.* hath more fully compleated by his Practice and manifold Reasonings that Affair, in which the other Authors have truly deceived and couzen'd the World.

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The

The preparation of Humours by Alexipharmacks and Sudorificks in Fevers, did more further their Crudity, than Concoction. Truly, at any rate they must be said to procure, yet no other thing, but an untimely Death, while they do more certainly procure Frenzies, Convulsions, and a great many most deplorable Symptoms, by forcing up their Crudities from the lowest parts of the Body into the Head.

If in the beginning of Feaver (whether they be Essential or Symptomattick) we shall delay, and put off till to morrow, these necessary Evacuations in the expectation of the lingring Concoction, how soon doth that too irrevocable and golden opportunity pass away? The only time, wherein the beginning of the ensuing Cure was to be made wherein there was sufficient strength and in which alone there can be advantage by Evacuations, yet is spent in the Administration of Cordials and the vain and uncertain trial of the Feaver.

ver-vanquishing Medicaments of
 Chymists; and the Patient just
 as strong, endeth his days furious
 and mad. Moreover, I assert, that
 notwithstanding the blind prejudice
 of men, Evacuations duly made, do
 more reduce crude Urine to their
 desired Concoction, and the Patient
 to his Health, than any thing yet
 known to man.

The preparation then (of which I
 speak, is not to be essayed with
 heating Medicaments, properly so
 called, *b. e.* such as warm the Body,
 which upon no account are agreeable
 with tender Infants, or Children,
 on the contrary, are most hurtful.
 In, the most temperate things shall
 first securely absorb the prevailing
 acidity, by little and little they mi-
 nute Ebullitions, and become the
 most safe and powerful Anodynes.
 These are Crabs Eyes and Claws,
 Star-shells, of Wilks, Cuttle-bone,
 Shells, Chalk, Coral, Coraline,
 Pearls, the Mother of Pearls, both
 Bezoars, burn'd Harts-horn,
 D 2 burn'd

burn'd Ivory, the Bone of a Hart
heart, the Shavings of Hart-horn,
the Unicorn's-horn, Bole Armenic
sealed Earth, Blood-stone, &c.
among the Compounds, the Powd
of Crabs Claws compounded, t
Goack-stone, and the Powders f
making the Confection of Hyacinth
take place.

Before all, I must observe, lest the mo
necessary liberality of Physicians t
ward the poor should be interrupted
that these precious Medicament
brought from afar out of the *Indies* (I
as much as I could observe) have
more pleasant and benign effect, th
those of a lesser value, and which t
wise Providence of God hath abun
dantly supplied for the manifold u
of mankind.

And therefore I cannot recomme
the Magisteries of any precious Sto
however they be praised by a gr
many. Surely, they have chang
their, whatever, native Power, in
such as is very Foreign. And whi
best

fore were most convenient for absorbing the Acid, but being now either sweet nor sour, are only made useless by too curious Art.

Of design, have I not mention'd the passing Accounts of Volatile Salts, whether they be Spirituous or Oleous, not of the Bezoard Mineral, lunar or solar; nor of the Spirit of Sal-armoniack or Hart's-horn; yet the use of these Spirits is not to be intirely laid aside, even for these young ones: because, they do excellently absorb Acidity, but are most dexterously to be administered, because of the great Heat that attendeth them. Upon this score, our lixivial Salts, the hot Cordial Waters, as the Compound-Pæony-Water, the Plague-Water, Aqua Cœlestis, Mirabilis, the strong Cinnamon-Water, and the like, do fall much short of their wonted Fame, unless they be mixed with others, that are more temperate, in so very small a Quantity, that their burning Heat doth become altogether unperceptible to the Taste. For these

Medicaments that overheat the Body whatever be their Fame or Inestimable Value, though they should make impudently promise immortality self; yet will they easily consume the Bodies of young ones, and by degrees disperse their natural Heat, or turn it to that which is Feaverish, and lastly become as useless for that tender Age, as Milk and Panadoe, for quieting the craving Stomach of a Ploughman. For which Reasons, *Galen* most straitly bars Children from the use of his Treacle, however justly prepar'd, which tho' he so highly esteemed, that he thought it an Acheal and Universal Remedy.

That the foregoing temperate Powders do abсорbe Acidity, is a thing so well known, that it do need no proof. And that they are the most safe, most certain and never failing Anodynes in the Gripes of Children, shall be evinced by giving them in a more liberal than the ordinary Dose, *h. e.* in a sufficient quantity for attaining the designed

ence

nd. Moreover, I do boldly assert, that the mentioned Powders dexterosly administred, do, with the same certainty that we know that the effects of Rhubarb are purgative, allay and effuage all the Pains and Disquiet of Infants from whatever Cause, except there be no hope left from whatever Remedies, because of some great Defect of the chief parts.

If in any violent Inflammation, we should let six Ounces of Blood, and twenty, at least, were requisite, why should we accuse Blood-letting as useless in that Disease, when the too spare Administration of that Remedy is only to be blamed. Likewise, if one or two Ounces of the foregoing Powders, were requisite for the allaying of these pains, wherewith Infants are affected, what great success could we expect from the imperfect use of one or two Drams, when, at the same time, an Ounce is necessary? An exact knowledge of Medicaments is the slenderest, if not the meanest accomplishment of a good and skilful Physitian.

The right use of Medicaments for
 satisfying the designs of curing, the
 adjusting both the kind and quantity
 of Medicaments to the particular
 Constitution of the Patient, from
 a just Reflection upon the nature
 of the present Disease; the exquisi-
 te knowledge of the Constitution, espe-
 cially of people of full Age, *h.*
 whether it be Sanguine or Melanchol-
 lick; and whether the Fever does
 mostly affect the Blood, or whether
 the Spirits be wanting and their strength
 weakened by that bustle and trouble
 and lastly, the right knowledge of
 appointing Diet, are all more requisite
 to make a good Physician, than the
 most numerous Provision of Medicinal
 Receipts, whence ever Collected. And
 if that be not true, the Apothecary
 being most Learned in Receipts will
 easily excel the most Learned Physi-
 cian, and his prating Servant be equal
 to his Master; and also a Nurse, or at
 least, the babling and Cup-Gosling
 Women being enriched with Books

Receipts preserved from Generations, shall carry the Prize and Glory from the most Learned Physitian and Apothecary, howsoever conversant the Prescriptions of Physitians.

But that we may to our purpose, I will help an Infant of a Year old, that is seaverish or tormented with Crises (as it is for the most part) with these sorts of Medicaments.

℞ of the compound Powder of Crabs-Claws, of Pearls prepared, of each ℥i. mix all, and make a Powder to be divided into six equal parts.

Or ℞. of the Oriental Bezoard, of Pearls prepar'd, of Crabs-Eyes prepar'd, an. ℥ss. of the Species for the Confection of Hyacinth ℥i. make a Powder to be divided after the same manner.

Or ℞. of the simple Powder of Crabs-Claws, ℥i. of Crab's Eyes prepared ℥ij. of Cochineal viij. gr. mix all, and make a fine Powder to be

D 5

divided

divided into six Doses. Let him take
 one instantly, let it be reiterated
 (if necessity doth require it) two
 hours after, and henceforth every 4th
 hour, for the first two days, unless
 that Sleep intervene. Let the Powder
 be given in a spoonful of the follow-
 ing Julep, drinking another after all

℞ of the Alexiterious Milk water
 ℥iv. of Black Cherry Water, ℥iij.
 of the Compound Pæony-Water, co
 Plague-Water ana ℥ii. of Pearlee
 Sugar ℥ss. mix all, and make a Julep

Or ℞ of Penny Royal Water, co
 the alexiterious Milk-water, ana ℥iij.
 of the Syrup of Clove Gillyflower
 ℥vi. M.

Or ℞ of Sweet Almonds, freed
 from their Husks, in number X
 Contuse them in a Marble Mortar
 pouring upon them by degrees, o
 Barley water, of the Alexiterious mill
 water, ana lib. ss. strain it, and to the
 colature, add of weak Cinnamon
 water ℥vi. of white Sugar ℥ss. M
 and make an emulsion.

Sometimes I use Juleps full of Pearls
 (omitting every thing else) ordering
 the

the Glass to be well shaken before they are poured out.

℞ of black Cherry Water ℥iv. of the whole Citron ℥ij. Mirabilis, of Pearls prepar'd ana ℥ii. of white Sugar ℥ss. M. and make a Julep; of which let him have three Spoonfuls before.

But if the Infant be troubled with a Cough, the mentioned Powders are to be taken more sparingly; in lieu of which, he may take half a Spoonful of a thin Lohoch or Electuary.

℞ of Corallin pulveris'd of the Simple Powder of Crabs-Claws ana ℥iss. of the Syrup of Maiden-hair, of the Syrup of Althæa ana ℥i. of the Syrup of the Balsam of Tolu ℥ss. of the water of wild Poppy Flowers ℥ss. for diluting all; M. Bole Arme-nick is most appositely mix'd amongst these, because, it doth most powerfully stop the Defluctions that fall down upon the Lungs. The Juice of Penny-royal, in which when warm-ed, there is Sugar-candy dissolved, is amongst the best of Remedies.

The

The Oyl of sweet Almonds, is also very proper, if it doth agree with the taste of the Infant. Likewise vive Sulphur, or the Flowers of Brimstone (having a wonderful vertue in drying, penetrating, and discussing Humours stuff'd up in any part of the Body) mixed with such things as abсорbe Acidity, are very usefull for gross and phlegmatick Constitutions. Neither hath Sulphur any hurtful or deleterious Faculty (as *Crato* and some other Learned Men did unjustly suspect) but is of a most preservative and expulsoy Virtue, which is most opposite to Corruption of Hemours.

The frequency of the Administration of these Powders cannot be determin'd, but are to be reiterated accordingly as the Symptoms are more gentle or violent. This only I shall resume, that all the Pains, Disquiet, and Watchings of Infants, are as certainly assuaged with restaceous Medicaments, as the Pains and Watchings of older people are eased and allayed by Narcoticks.

But

But here, any who hath but the
 least smack of Physick may object,
 that the giving of these Powders is
 a new thing. To whom I only do
 reply, that indeed, the foolish, spare
 and niggardly use of these Medica-
 ments, hath been known too long,
 and to too too many; but that never
 any did inculcate either so reiterated,
 or so great Doses of them, nor yet
 the ensuing necessity of purging.
 There's a known Story (and any man
 may draw the parallel with ours)
 of a certain merry Man, who when
 he had boastingly defyed the By-
 standers, to fix an Egg upon either
 of its ends, neither any of them,
 after a great deal of Trial, could see
 through, or unriddle the Mystery,
 he himself, breaking a little both ends
 of the Egg, in a trice removed all
 their Astonishment, and at the same
 time made them break forth into
 laughter. For when it was known,
 it did become most easy to the whole
 Company.

I order them to be purged upon the third day, after I am called, unless the Small-Pox, Measles or Scarlatina Feaver do appear, and Infants of one Year after this manner.

℞ of the Syrup of Cichory with Rhubarb ℥ii. of the best Rhubarb Powder, gr. xv. or ℥i. of the Alexiterious Milk-water ℥i. or of small Cinnamon Water, gut. xxx. to dilute all. M.

Or ℞ of the Syrup of Purgin Thorn ℥iss. or ℥ii. of the Powder of Diasenna gr. viii. M.

℞ of the Countess of Warwick's Powder, as it's describ'd in the last Edition of the *London Dispensatory* in the rest under the name of the Cornachine Powder, gr. vi. Let him have it in a Spoonful of black Cherry Water, sweetned with a little Sugar.

℞ of sweet Almonds, No. iij. Contuse them in a Marble Mortar, pouring upon them by degrees ℥i. of Barley, or of any other simple Water. Dissolve in the Colature ℥iii. or ℥iss. of the best Manna. M. and make an purging Emulsion.

℞ of lenitive Electuary ℥ii. or iij.
 Dissolve it in ℥i. of the alexiterious
 Milk Water.

For irregular Symptoms arising
 from a great corruption of Humours,
 do very much use gr. vi. of the black
 Mineral afterward described, or gr.
 v. of sweetned ☽ with as much of
 the Flowers of Brimstone mixed to-
 gether in a Glass Mortar, and given
 at Night in some pleasant Syrup,
 purging the next day.

If the sick Infant be three or four
 years old, or hath passed the hazard
 of breeding Teeth, and especially if
 there be any considerable suspicion
 of Worms or Putrefaction of Humours
 for some time contracted, there is
 nothing better than a Bole of that
 Powder last mentioned, and it may
 be made with Marmalade of Quin-
 ces, or confected Orange Peel, pulped
 through a Hair-Searce.

These kind of Boles do very much
 avail for those, who are ordinarily
 constipate in their Belly, and are
 not easily purged; in as much as
 they do prepare, so that the Purga-

tive which is ordered the next day hath a better and easier Operation.

I do sometimes also order the following Plaister, or the like, to be applied upon the Navel.

℞ of the best Aloes from Socotry ℥i. of the leaves of Savine, of the tops of the lesser Centaury, of the Flowers of Chamomile made into a Powder ana ℥i. of Venice Turpentine as much as is sufficient to make all into a Plaister. Spread a little of the Plaister *de Cymino* upon its Margine, that it may stick fast to that place.

Of all Purgatives there are none more innocent, and that are more agreeing with Infants, than the well known and very much used Rhubarb, which pleasantly and safely doth remove the Subject matter of the Feavers of these tender ones, which doth easily purge and strengthen their Stomach and whole Body loaden'd and oppressed with vitious Humours, and which, upon that account, doth best agree with Infants, Boys, teeming Women, old People and such

are weak through any Disease. Truly, Rhubarb doth more justly merit the Title of a Hiera or sacred Medicament, than Aloes, so exceedingly commended by the Ancients and more Modern, which has got the first place, and kept for the Basis of all the Shop Pills; which indeed doth sometimes deserve very great Praise, upon the account of its remarkable internels, yet it doth not unjustly undergo some Tache and Dishonour, because of its Acrimony, Sharpness, and its excessive Heat, which it doth communicate to the Body.

A Powder like the former is, after the operation of some gentle Purgative, to be given at night; and thereafter are to be reiterated three or four times, at a convenient season, for two days more; and upon the third the Purgative is to be given, the quantity of which may, now, be known by the operation of the former.

These things being done aright, the most grievous Symptoms do ordinarily disappear; or at least, are
so

so much allayed, that the Patient who was just now in great danger, is excoemed from the least suspirion by better Health.

The same method (under what ever Form) of preparing and purging off the Humours, may be taken with Children of more years, on whose Doses and Quantities of Medicaments are to be discreetly changed.

You must observe, that the first Purge we give to Children in Fevers, be not only gentle, but allow'd of a lesser Dose than usual; and that sometimes, in case of a bounden Belly, a very mild Clyster made consistiv. of Cows Milk sweetned with Sugar, and to which is added a little Salt, is to be injected on the night that immediately precedeth the first Purgative.

Moreover, if the Purgative shall prove too weak, it may be sharpned with ℞i. or two of the Crystal of Tartar, dissolved in some spoonfulls of weak Oat-broth, or the like.

But you must especially take care, that you only use pure and well-prepar'd

r'd Crystal of Tartar, and not that which is adulterated, and is commonly sold, and which is little better than rude Tartar it self.

If any great Sicknes doth betake a Infant that is fat, plump, and of very moist Constitution, which easily both degenerate into an Acid (and especially in Winter) so that the sour Corruption cannot entirely be de-creased by twice Purging after the foregoing manner; then, you must persist in the same method, until the Sicknes doth quite vanish: But that the space of one or two days must be allowed for the taking of these Powders, that alter Acidity.

Neither could I ever observe any inconvenience or bad consequence attend so frequent Purging; but the strength that was formerly lost, shoud seem to be renewed.

Only, you must beware, that in the purging of Infants, upon no occasion whatever, you give any Pur-gative that may master its strength.

Wherefore, I cannot pass by what *Hippocrates*, the greatest master of Physick,

Physick, doth learnedly declare, in the Book about Purging Medicines; but not so well understood. *Whoever then, are seized with strong Fevers, are not to be purged until the Fevers doth remit. If otherwise, yet not within fourteen days. For their Flesh and Stomachs, being they are hot, receive the Medicament, and are not purged; the Feaver encreaseth, their Colour is ruined, and they have a sort of Kings-Evil. For when the Bile is chased and put in motion, the sick Person will neither sup nor drink, but loaths every thing, and very often dieth. But, if he survive that time, and his Fever doth remit together with the operation of the Purgative, he recovereth. Wherefore, we ought not give purging Medicines in violent Fevers. But if any do want them, you may give an infusion by Clyster, as often as you list. For in that, there is less hazard.*

We may observe from these words of our Master: 1. That he doth speak concerning the Fevers of those of full Age, which are usually great and

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and most ardent, but are not to be understood of those of Infants and children, which are naturally gentle, and not so easily inflam'd. 2. That the purging Medicines in his time were most violent, strong and poysonous, *Elaterium, Colocymb, Hellebor,* and the like, but the great part of our Lectives that are most gentle, yea most temperate, if some of them be not actually cold, were as unknown to the wise men of that Age, as the Antipodes, the new world, or lastly the art of printing. 3. That *Hippocrates* doth speak of Feavers in their natural state and condition, and as they are left to themselves, even as his Descriptions of epidemick Diseases truly and accurately contain it; neither must he be understood, after what manner the part of the following, especially of the present Ages (however things present be ill spoken of by the Envious) being promoted and made more perfect (which our Posterity, if I be not in a huge mistake, will most thankfully bring into remembrance) at length hath taught, how to prepare aright,

that

that they may be purged off, and very much allay or totally to overcome the Fury, by liberally bleeding such, as are of full Age, upon the day that precedeth the Purging. 4. You must consider that *Hippocrates* doth teach in this place, that if he who is affected with a Fever hath taken a purgative, and perhaps, doth escape the hazard of that day; shall instantly, *b.e.* at that same very time be restored to his Health. Which I have often observed to be true, and that Feaverish Boys have shaken off all the Symptoms of their Feavers, after the first Purgative hath ended its operation, but especially in the spring time or Summer.

These things then being premised, I say that *Hippocrates* did judge aright of the deadly effects of Purging Medicaments, as those of his Age, being very strong, were unskillfully given in hot Fevers, not having let blood before hand. But, we take a sooner and more secure method for the recovering them to health, if blood be liberally let of those of full Age, and especially

pecially if they be of a Sanguine or
 Lust constitution, upon the day that
 precedeth the purging; or if the bo-
 dies of young ones be prepared with
 Mucous Medicaments and such as
 blunt the Acid, that the chief
 cause of the Fever may the better be
 wholly purged off, than can be, by
 whatever Cordials or Diaphoreticks.

But the true and chief reason, why
 bleeding in Acute Diseases hath been so
 much thought of, by very learned Physi-
 cians, seemeth to me (quietly and un-
 der the thumb) to be this: because *viz.*
 they did drive, as people speak,
 the plough before the Oxen, *h.e.* they did
 purge before bleeding, or at least
 having no thought of it, where it was
 most requisite, did rashly give some one
 the strongest Purgatives.

Albeit, that any notable Transla-
 tion of the subject matter of the Fever
 to the Lungs, and Chin-coughs,
 doth advise Blood-letting for the young-
 Infants, yet it is most evident, that
 this is not a Remedy naturally conveni-
 ent

ent for them, neither is it more contradictory and unfitting for this more tender, then decrepit Old Age. And therefore its help is not to be invoked for all the Diseases of Infants, except in the Chia-coughs, or any other Coughs that do attend and are concomitants of Fevers that do suddenly begin; and unless for grievous convulsions, which do sometime occur. For it is not supposable that Infants being nourished with thin and slender Food, should be affected with a true Plethory, however florid they be. They do all abound with Humidity which is easily changed into a Præternatural Acid, the cause of all these Diseases. Neither can I be made believe that blood-letting can alter and correct an humid Constitution, especially when it hath already degenerated into Acidity.

There are some who, through obstinate itch of contradicting, blame and accuse the use of Blood-letting even for people of full Age. And these are the Through-followers and Disciples

Principles of peaceable *Helmont*, that
 best trusty Friend of the Old Medi-
 cine; these happy and fortunate
 Men, who are so great Secretors, of which nei-
 ther Physick or the Common-Wealth
 have been worthy. It's they, *viz.*
 who have succeeded to a not common
 Art of Chymistry, unknown to all
 called Physicians, but which produ-
 ceth wonderful Effects to these Philo-
 sophers by the fire.

All testaceous Medicaments do
 wonderfully dry, and, therefore, are
 very proper for the curing of these
 diseases which proceed from too much
 humidity, and for these Constitutions
 which so much abound with it. But
 the Constitution of boys is most humid,
 because it is of all the most delicate
 and soft. But they are also somewhat
 astringent, which is lost by burning,
 and thereby do they assume a good
 deal of Acrimony and Hotness, which
 is most evident in Quick-lime, and a
 great many more Chymical Medica-
 ments. But they do also most power-
 fully blunt and defeat Acidity, which
 naturally attendeth the corruption

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of Aqueous Humidity, as Heat doth
Fire. Moreover, testaceous Medicaments do not at all warm their tender bodies; which consideration doth easily induce me to prefer them to all other in the cure of Infants Diseases.

But there are other things for which I recommend the use of Testaceous Medicaments for Children. The Stomach is endued with a devouring and insatiable sort of Ferment, which delicate and liquid Food cannot still quiet for any time.: Being it must be blunted with Butter which swimmes long upon the upper Orifice of the Stomach, or be nourished with Panace or Pudding, which are not easily cast out of the Ventricle. And I have frequently observed sick children feeble and dull, only because they were nourished with too thin and liquid Food. Wherefore, testaceous Medicaments are, upon many Accounts, very agreeable with the Nature and Constitution of Children; neither doth that change or alteration made by them, in the Stomach, wear off so soon as that which is made by Liquid Medicines.

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That I may say nothing of very many Fowls, which, when drooping by a weak or depraved Appetite, have been covered by Sand cast amongst, and swallowed down with their Food, as the Poultry-women do very well know.

By testaceous Medicines, I do not only mean strictly those made of Shells, but Coral also, Corallin, both the Beards, and the like, which are known to absorb Acidity, and are of the same nature, although they be quite of another Origine.

These Medicaments have been much used by Physicians, but their use, as adjusted to Children's Constitutions, was either altogether unknown, or was of very small help and advantage. For their too too large Dose, was truly the cause, why Physicians, in the Watchings and Pains of Infants, fled from these sure and safe Remedies, unto Opiats, which are by far the more dangerous, if not hurtful and diametrically opposite to their Nature and Constitution.

And I cannot but relate, how
 was once mocked by a very famous
 Physician upon this account: *Wh*
viz. at my desire he was called for
 sisting in the cure of a Noble Child, the
 Heir of very great Possessions, who
 was ordinarily entrusted to my care
 and at that time was sick of a most
 dangerous Feaver, and when,
 proposing a Narcotick instantly to
 be given, unexpectedly found me in-
 fractory to his design; *You,* said *He*
if so you be resolved, do seem to pra-
tise after a way that's obsolet and out of
fashion; to whom I replied; *That*
did not, neither would I ever practise
for Children as is now the custom. *Be-*
ing, I do as surely, yea more cer-
 tainly (unless I be entirely decei-
 ved) and, at least, more safely all-
 all their Gripes, lessen their Water-
 ings, and asswage their Pains, by the
 fore-going Medicaments, than any can
 do (however they esteem Narcoticks)
 by these kind of Remedies, given with
 the greatest hazard of their life.

I know no such mad admirers of
 piats that ever recommended their
 e for the weakest Constitutions;
 ough some, even in this case, have
 ively tryed their strength, Re-
 mbering, perhaps, the proverb,
that dead Men tell no Tales. But be-
 g the Pulse of Infants is of all the
 ost weak, their Constitution naturally
 e most tender, and their strength
 ery infirm, I cannot conceive, why
 ny should make choice of uncertain
 nd dangerous Medicaments for the
 uring of Infants Diseases, when safer,
 ea the most safe may be as easily pur-
 hased.

This also I shall add, that scarce
 ny of their Maladies however tormen-
 ng, did require the least tasting of
 arcoticks, properly so called, ever
 nce I had sufficient knowledge of the
 ost anodyne, yea so poriferous pow-
 r, for Infants, of these testaceous
 Medicaments; providing, they be
 given in quantity sufficient for attain-
 ng the Design.

But as no Opiats are to be approv
 of, for Infants Diseases, so neith
 can I recommend any liberal use
 these hot Medicaments, however
 lutiferous and cordial they be in the
 Name. For the word Cordial has
 been curiously and with abundance
 artifice contrived for the soothing
 all the Gay-women, for the taking
 Country-women, who, very often
 dwell far from skilful Physicians; fr
 good Matrons who, with so great ho
 nour, use these Cordials for all Disca
 es in their Eleemosynary Practice; and
 lastly, for pleasing the ignorant upon
 all occasions. For who could expect
 any evil by the taking of a Cordial
 Yet it may be a question among
 Learned Physicians, whether of those
 who have ended their days by a nat
 tural Death, more have truly die
 by Diseases or by these Cordials. I
 is most certain, that whatever thing
 do encrease the Symptoms of the
 Disease, augment Drought, make
 the Tongue dry, or intend the Fe
 verish Heat, are of all, least conveni
 ent

for, and agreeing with that tender Age, that can give no resistance to any Injury that is offer'd unto it. And truly, I have always found success, that I say not deadly, mistakes attend that hot guiding of Infants, when I could never observe the least conveniency from the frequent use of these temperate Medicaments.

But any may object, that Obstructions must of necessity be produced by the use of these hard and almost violent Medicaments, and that these things should render their most tender Constitution, and the most small passages of their Body very subject thereunto.

But that we may the better obviate this Objection, you must remember, that the genuine Parent of all Obstructions is an Acid Distemper, which Infants do frequently contract from the coldness of the Air and the tenderness of their Constitution, however delicate and pure their Food be. And therefore, whatever things

do correct, mitigate or blunt the Acid Indisposition, or can dissolve Coagulations (all which, these without the least addition of Heat are most fit to remove Obstructions and the great Train of Symptoms which proceed from that Cause.

Others perhaps will accuse me that I do too easily pass by the most famous Doctrine of the Crisis and that I may seem to forget the computation of critical Days, so nicely instituted by the Ancients, and much commended to this day, by such as admire only things that are past understanding. Therefore, I say being the Crisis is only a sudden change in the Disease, either to Health or Death, it doth entirely depend, for as much as I can observe upon the method of Cure (especially in these tender ones, of which we speak) and is hastned or produced by the industry or unskilfulness of Art. For, being the Cure is mainly stayed upon general Evacuations duly made, these Crudities which are
the

the cause of Fevers, are sooner con-
 sidered than at any other time, part
 the Morbifick Matter is immedi-
 ately eliminated, and the rest exceed-
 ing the natural strength, giveth way
 Medicaments dexterously administ-
 red. But, when the Humours are
 agitated, and the Spirits driven to
 greater confusion by Diaphoreticks
 and Cordials so called, and the whole
 depends left upon Clysters, which ne-
 ver pass the gross Tripes in perfect
 strength, as the Concoction to the
 Crisis, is too late, if ever to be ex-
 pected, after so learned and so solemn
 a Train of Medicines.

But lastly, a Crisis, methinks, is
 nothing else than the last effort
 of Nature, to evacuate with all its
 power the morbifick Matter by con-
 venient Passages. And that hapneth
 very often with us by sweating, be-
 cause of the Cross use of warm
 Guiding. Though very often by
 bleeding at Nose, by Stool, by Vomit,
 and sometime by Urine. All which,
 do sufficiently prove, that Nature her
 self,

self, the best and wisest Physicians did never design or endeavour any other way of judging Fevers, than by timely *Evacuations*.

There are many things variously written and maintained by Arguments in this Learned Age, concerning the use of Precipitating Medicaments in Physick, as that all Diseases wherewith man is affected might easily be over-come, and come off, if we had a perfect knowledge of the proper and specifick Precipitating Medicine fitted to every Disease. But you must observe, that we are speaking of the Acute and Feaverish Distempers of Children, which quickly determine of their life; and not of those that are lasting, which give greater delay to the Curer, and do more safely allow of a curiculous Tryal of the new Powers of things. Again, Precipitation is the separation of the grosser parts, which is done by the strength of a dissolving Acid, which do hang imperceptible in any clear Liquor untill they fall to the ground being

being freed of their Bonds, by the
 help of such things as defeat the Acid.
 Moreover, the *Crudity*, which we
 constantly see in Fevers, is, methinks,
 the genuine off-spring of prevailing
 acidity; and the concoction a sign
 of its being defeated, and overcome
 by Nature. And therefore artificial
 purging bringeth to the ground of
 the Body these Cruelties which were
 carried upward, and seemeth more
 properly than all other Medicaments
 to precipitate, that at length they
 may be cast out by Urine or Stool.
 But also, whatever other kind of
 Medicaments (tho' some airy meta-
 physical Brains, Philosophers, as they
 call themselves, do think quite other-
 wise) is endued with a Precipitating
 Faculty, yet scarce doth it, in any
 measure, produce that effect, but as
 is *Cathartick*. For neither must
 be thought that Precipitation can
 easily be performed in a Body
 of divers parts, various Juices and
 Humours, and of so many Passages
 and Windings, as a Juggling Chy-
 mist, by pouring in Liquors of diffe-
 rent

rent sorts, doth wonderfully change
 their Colours, or so soon as he doth
 make his Precipitations, called M
 gisteries. Being, then, that *Fever*
 do assault the vital and upper parts
 and so leave no time for uncertainty
 and dangerous Trials, it becometh
 wise Physitian not only to appear
 and allay the subject matter of *Fever*
 with fictitious and precipitating M
 dicines of no value, but with all speed
 to root it out, with such as are true
 and genuine, *h. e.* by timely *Evacu*
ations.

But being it has been, yea is, the
 custom of many famous Physitians
 to hasten the defeat of *Fevers* by
Sudorificks, it may much concern us
 to add something upon that subject

So soon as they observe any perso
 seized with an *Epidemick Fever*, im
 mediately they dream of, I know not
 what sort of Malignity, and this they
 constantly strive to expel with ver
 hot *preserving and sweating* Medica
 ments. In the mean while, the gentle
 meek, and not at all unruly *Fever*

the very cure is (if at all) rendered
Malignant. For when the Serum, the
 common Vehicle for carrying the
 blood through the Veins and Arteries,
 consumed by untimely Sudorifics,
 it is no wonder that the grosser parts
 of the Blood are interrupted in their
 motion, and do a little Stagnate; and
 that thereby, the Pulse be weakned,
 and doth become unequal, surging,
 remulous, crawling, and intermit-
 ting; and upon the same Account, the
 Urine be but little & very crude; and
 lastly, that *Freckles, Purple Spots,* and
sometime Pestilential Blemishes, (the
 undry degrees of a forming or form-
 ed *Gangreen*) the chief marks of
Malignity do appear. And the con-
 stitution, which a little before, was
 endowed with much moisture and a be-
 nign warmth, is now dried, burn'd
 up, and altogether parched, with
 the excessive heat of this warm guid-
 ing; so that thereby, there doth nei-
 ther remain a sufficient quantity of
Lympha, which is designed to bedew
 the parts, neither can the Blood, be-
 ing now thick, and stagnating every
 where,

where, flow or move longer through the Vessels to continue the course of Circulation for preserving Life.

But I shall only offer to the consideration of these, who will retain and are blindly in love with that unhappy notion of *Malignity* (considering that it is a word that safely cloaketh the deadly consequences of their daily ignorance) the common practice amongst the *Turks*, as I was informed by very honest Merchants, unlearned indeed, but truly rational, and most natural for the cure of the Plague it self, the greatest of all *Malignant Fevers*, by the Juice of *Lemons* largely drunk in Broath, by constant eating con- fected *Limon Peel*, and by a Drink much used amongst hem, called *Sherbet*, and in plain *English*, by nothing else than a cool Diet; in as much as *Mithridate*, the Treacle of *Andromachus*, the Root of the *Virginia Dragonwort*, and the great Train of our hot *Medicaments*, are most luckily, all together unknown to, or in very small esteem with them. Neither then,

is

Is it any wonder that the *Plague* (so terrible to an English Man) doth make no so great havock among them, as a gentle Fever in Learned Countries.

How silly and childish is it for Physicians to call Fevers *Malignant*, because *mittle* and *contagious*. For, if *Contagion* did necessarily indicate or prove the existence of *Malignity*, how evidently should we read the Itch, in the *Category* of *Malign Diseases*. In which, tho neither strength doth fail, is the Appetite lost, or the Urine or Pulse differ in any thing from these in healthy People; and lastly, in which the Animal and Natural Functions are intire. Surely, Diseases which have any great *Inflammation*, are not altogether free of *Contagion*; as the *Plague* it self, of which I speak, as the *Small Pox*, as the *Measles*, as the *Chin-Cough* of Infants, and other Diseases of that kind, which reckon their Being from intense Inflammation.

But

But as to what may be said of *Sudorificks* for Fevers. I do not deny but that either natural or artificial *Sweating* may be of very great use in the beginning of Fevers, when the Pores of the Skin are only a closing, and when the sensible or insensible Perspiration are interrupted. But the *Sudorificks* you are to use, should be *temperate*, and not such as create inward Burning. Neither should they be *dry* or so spirituous as to add Fire to the Flame, but *Liquid* and *Culinary*, which may supply an abundance of matter for forcing out the Sweat, and may provoke it, not with its essential, but outward heat.

There is one thing very well worth our notice, neither at all beside the purpose, which I cannot pass by. That *Fever*, viz. which raged last year, and whose History I shall just now give in few words, was also called *Malignant* by some Physicians, who are very well known by their great use of Diaphoreticks.

A sort of Fever (with which who-
 er were affected, did mostly com-
 plain of slight pains which seized all
 their Joints by course, of a pain of their
 head, especially of the fore-part, and
 lastly of a kind of Giddiness) was so
 epidemick from the middle of *May*
 of this last year, for some weeks,
 that I did never observe any such,
 upon whatever account, or in any
 season of the Year. A great many
 whole Families were affected with
 that Fever at the same time, that
 scarce one of many could eschew
 that general Calamity. But the be-
 ginning of this so Epidemick Fever,
 did truly seem to me to have its
 rise, from the changeableness of the
 season of that Year, the sensible Per-
 spiration of the Body, being then
 stopped, and the Pores which were
 very open, being shut up on a sudden
 by the excessive Heat of some days
 hastily changed into Cold. This one
 thing we may observe, that never
 were there so many Sick at one
 time, and never so few died. All
 indeed, that were sick of this Fever
 did

did recover Health, as well by wrong
 as right ways of Curing, by Blood
 letting, *viz.* by Purging, by Sudori-
 ficks, by all the Womens Cures
 whether they were Culinary or Med-
 dicinal, by staying at home for some
 time, by going abroad, by riding or
 any other Exercise, in time of any
 trouble, and when free of all cares
 and lastly, by doing any thing, or
 not doing. But if any died in this
 most gentle Disease, they were young
 men of very hot Constitutions, and
 abus'd with these Spirituous Sudori-
 ficks. The only thing we may yet
 observe upon this Head, is, that we
 should fear, that the nature of this
 Fever which was so gentle and benign
 and which was so easily defeated as
 well by improper as healthful Remed-
 ies, shall, perchance, have cruel and
 deadly effects: Truly, these Gay
 Women and Common Quacks, may
 expect in vain that desired Success
 from their Cordials, and I know not
 what sweating Medicines (when
 another season of the year shall be
 very opposite to their Cure, and any
 Feaver

ever shall appear attended with
 very terrible Symptoms) they seem'd
 to have approved in a most gentle
 fever and in the Spring, a time much
 favouring whatever ways of Curing.

Before we do bring some Examples
 of Cures performed by the benefits
 of my method, I will adjoyn some
 things that do belong to the most
 ordinary Symptoms of Infants; lea-
 ving to the curious, such as are com-
 monly to be found among the Au-
 thors.

Among the many Diseases that do
 threaten fore the life of Infants, there
 is none that produceth so many grie-
 vous Symptoms as their laborious and
 difficult breeding of *Teeth*. The
 sickness of nine months (which may
 more justly be thought the *Source* of
 innumerable *Miseries*, than the womb)
 doth not expose Mothers to greater
 hazard, than *Breeding-Teeth* doth
 their Off-spring. For, being the
 Gums of these tender Ones are fre-
 quently inflamed, after the same man-

ner as the other parts of the Body. such as are of full Age (whence come these most ardent Fevers) because the Teeth cannot arise from these small holes, we need not wonder that their tender Bodies are so disquieted with so many most grievous Feverish Symptoms. From the same Fountain do arise their *Colick-pain*, *Watchings*, *Disquiet*, *Flux* or *Constipation* of the *Belly*, their *Green Vomits* and *Excrements*, the *Thrushes*, *Feverish Convulsions*, and the like; all which do easily yield and surrender to, and most, the same method (having always respect to their Age and the violence of the Symptoms) of allaying and countering the Acid, and afterwards purging it off; except, that the Disease shall change its nature from one which by its continuance, giveth time to the cure, into such as is Acute, and be very complicat'd and hath taken sure footing in the best parts of the Body, that it cannot be cured; or these Evils be twisted in, and bred with the first Life of the miserable Infant.

Ther...

There is a *Twofold time*, troublesome to Infants in the *Breeding of Teeth*: The first is, when the Tooth stayeth to break out of the Jawbone; and in which, the outward part of the Gum is circumscribed with a sort of white Circle without any Smelling. The other is, when the Tooth becometh bigger and larger continually swelleth the Gum, maketh inflammation, and doth endeavour to break through with all its force. The Chyrurgeons do unskillfully cut the Gums of the Infant, in this first effort of *breeding Teeth*, as well as in the second, that, *viz.* the Teeth may more easily break through, so the Wound is promiscuously inflicted without any necessity, and very often with as little help, when upon the second occasion (which should be diligently observed) it is only requisite.

There is something else to the same purpose not unworthy our observing. That, *viz.* some *Chyrurgions*, when they are ordered to lay open the Swelling Gum, do it with a common
Lanct;

Lancet; which hath ruined a great many. For being a Cicatrix is easily induced upon a Wound made by this thin Instrument, neither doth there any hole abide, through which the Tooth may break, so this operation is altogether useles, and all other Remedies are neglected for the time. Physitians, therefore, should take care, that this *Incision* be made with a more convenient Instrument, whether that be a *Pen-knife*, or another, which riseth in the back like a *Razor*.

Being *Thrushes* do proceed from the sharp Vapour of that inward Flame, which doth fret and pinch the tender Skin of their mouth, even as the other inward parts of the Body, we should only make choice of these things that do most powerfully defend and blunt this Acrimony. But *Gargarisms* and Medicines for washing the Mouth are of no use in this case. For Infants can, by no means, wash their Mouth, unless it may be thought to be done accidentally in the swallow

g down ; because every thing that's
 ven them to wash with, must go fur-
 er ; yea, that very Humour which by
 oughing, is cast into their Throat,
 immediately falleth into their Sto-
 ach, if it be not attended with
 omiting. Neither is that stuff,
 hereof Gargarisms are made, so
 tirely innocent, that they can safely
 given to Children. It's certain,
 at these *Thrushes* (however they
 sturb or hinder their Sucking) shall
 removed by Testaceous and gently
 urging Medicaments ; neither do I
 e, why we should too learnedly
 e so great Art for the attaining of
 at Design, when fewer and more
 mple Remedies may have these most
 fe and excellent Effects.

But the reason, why the superficie
 of the mouth is so convenient for the
 roducing of *Thrushes*, when no parts
 se of the Body are blistred, is, be-
 ause the same Skin which cloatheth
 he mouth, is communicated by a con-
 nued Series by the Gullet unto the
 tomach. Wherefore, these sharp
 Vapours,

Vapours, which do proceed from the preternatural Effervescency of the Blood, about the Hypochondres, are carried upward, as from a Caldron, by the vent of the mouth; and very easily communicate their business to the membrane of that part. Therefore doth the delicate taste of the tongue so readily distinguish all relishes. Lastly, upon this account, are Physicians, by their looking upon the *Tongue*, able to judge of the prevailing temperament of the Body.

The Flux of Infants proceeding from a mixture of Humours falling down into the Intestines, or from a swelling of Bile with an Acid, which is in great abundance in that place, neither to be arrested by Astringents properly so called, or *Narcotics*. For *Astringents*, do cause a reflux of these sharp Humours upon the most noble parts; which doth cast such, are of the most humid and fluid Constitution, into the greatest danger of their life. *Narcotics* indeed are an allay, for some time, the furious swelling

swelling of the Humours, that, as
 when, they may afterward break
 it, with greater force. Moreover,
 the delicate strength of these young
 children, and which is much weak-
 ned by the Disease, is seldom able to
 endure the mighty operation of O-
 piate, but with the greatest hazard.
 But such Medicines as do appease that
 sharpness, the great spring of all
 their trouble, are given with greater
 safety, & are more agreeing with their
 constitution. Though the use of *Dia-*
cordium and the like, which do
 consist of both these sorts of Medi-
 cines, be in such cases (where there
 is no *Fever*) of very great use and
 advantage; yet it is well known, that
 these do not want their danger in the
 fevers of Infants: and that *Chalk*,
Opall, *Pearls*, and others of that
 kind which mitigate these unruly Hu-
 mours, without the kindling of new
 heat, that at length they may be
 purged off with *Rhubarb*, are of
 wonderful use for the overcoming of
 these Symptoms, and bringing a more
 safe Relief.

It is most evident, that they are of as great use in Vomiting as Fluxes: For so long as that which is the trouble lodgeth in the Region of the Stomach, and Acidity doth most exert its power in the first Passages these Medicines do impart what strength they have, pure and intire unto the Ventricle: Vomits, the Salt of Vitriol, Vomiting wine, Emetick Tartar, &c. seem to some, by far, preferable to all other Medicines; but if considerations from their tender Age; and great feebleness have any place in giving of Vomits, and if the easie solution and purging of Coagulations can be procured effectually enough, yea, more safely by things that offer no violence to Nature, and bring the life into no danger, than by Vomiting or Stupifying Medicines; truly a prudent Physician will abstain from, and abhor all such.

Neither do they only avail in a Fluxes, but for the Gripes of Infants from whatever cause; for which the

they are not only excellent, but Pro-
 per and *Specifick*, if there be any
 such; I do not think the *Jesuits Bark*
 the best of all the Medicaments of
 this Age) more *Specifick* for Inter-
 mitting Fevers, neither *Opium* (that
 other famous Medicine) more pro-
 perly to allay *Watching* and *Pains*, than
 these afore-mention'd *Testaceous Medi-*
cines do the *Gripes* of Infants. For albe-
 though any curious person may perhaps find
 among th'almost innumerable Experi-
 ments that do happen, by so many
 infirmities borrowed from Mothers,
 and the great variety of Constitutions,
 some single instance here and there,
 that may impugn my Hypothesis, yet,
 that is to be intirely attributed to the
 Constitution very much depraved,
 and not to any defect of the strength
 of the Medicine. It is most certain
 that the *Bark it self*, commended all
 the World over for a *Specifick*, is
 not altogether convenient for *Asth-*
matick people either affected with an
 intermitting or remitting Fever. Yet
 it is most deservedly esteemed the
 best of *Specificks* for Diseases of that
 kind,

kind, and especially for those
the first.

Yea, our *Testaceous Medicines*, which if you add a little Castoreum shall be found of more innocent Efficulties, and to have greater force against Convulsions (or Epilepsies, wry often improperly, so called) either from the decay of strength, or from the sharpness of the morbidick Matter, extimulating the Nerves (how ever they have hitherto been thought trifles, and of no value by some) than either the *Antepileptick Waters* which are warm, very much, these tender ones or the *Volatile Spirits* which, like fire, break through all the parts of their Body, and which very often do produce most ardent Heat from a very small beginning. For being the inward coat of the Stomach wholly Nervous, and, therefore, the fittest to transmit the vertue of the Food and Medicaments into the inward parts of the Body, and being the Spirits of this, as these of the other parts of the Body are irrita-

ed, and set on irregular motions; think it most necessary, that the cure be performed with these Remedies, which absorbe the Acrimony that offends the Nerves, and truly allay the tumult of the Spirits, and induce sleep without stupefaction, and not with such, as make greater Confusion and encrease that Heat which so much aboundeth.

Very many things esteem'd *Specificks for Convulsions* (whose Names I conceal, being they are most common in the mouths of all) have been commended as well by the greatest Authors, as the most famous Practitioners. Yet their Vertues (for as much as I could observe) did never answer my expectation. In the Convulsive Paroxysms of Infants, seeing they do constantly arise from the sharp Matter of the preceding Gripes, that doth vellicate the Nerves, those things which obtund, allay or blunt the Acid without any new heat or warm'th of Body, and those which carry off the Acidity, thus De-

seated and despoiled of all its Angles shall at length, after all other things tried in vain, be found only of sufficient force for vanquishing this formidable Symptom.

I had a great confirmation of the assertion, in the Daughter of *Jane Lowry*, a Girl scarce a year old who was seized with the greatest, the most violent, and most frequent Convulsions that ever I did see, which had disquieted her Lips, Eyes, Joints, yea and all her Body with very small intermission for many days before I visited her. She was very pale and of a most formidable aspect, her Belly was constipated, and the little that was cast out was very green. She howled with a high voice, for as much as her strength seem'd to be cast down so that she rais'd the compassion of the Neighbourhood. During all these Convulsions and Colick pains, she scarce consumed a Spoonful of Food, but was sustained by some sort of Cordial. I assisted and happily cured this miserable Infant with no other
Mea

Medicaments, but some Ounces of *Crabs-eyes*, mixed with *Crystal* of *Tartar*. She was constrained to swallow down a scruple or more of this most simple powder, every hour, in *Pennyroyal Water*, or the like; after the frequent giving of them, she fell upon sleep, and had these Convulsions much lessened. I ordered a Clyster of sugared and salted Milk to be frequently injected; until at length, the *Crystal* of *Tartar* (which doth not only purge very gently, but is also, very aperient, if it be taken in sufficient quantity) had made way for it self down ward. By these few and no greater Train of Medicines, was this Infant, seemings devoted to Death, unexpectedly indeed, recovered to perfect Health. But I do not understand (that I may quietly say so) why we should further torment these tender Ones vexed with Convulsions, and destroyed with Watching and Disquiet, with Vesicatories applied to their Neck or other Parts, being that kind of remedy seemeth more proper and de-

signed to rouse from stupefaction
those that are affected with
Coma.

Why may not I add that, since
I first used this commended method
for the curing of Infants, at my first
entry I have seen many seized with
Convulsions, and some so weak
with them, that they had no strength
to swallow down any kind of Me-
dicament, but that I do not remem-
ber of any of these tender ones, that
being perfectly cured by the use of
these Powders, ever suffered a Re-
lapse.

The *SmallPox* and *Measles* of Infants
being, very often, a gentle and calm
effervescency of the Blood, they are
not so sick, when neither the assistance
of Physicians is desired, nor the great
Skill of the Nurses, who think so
well of themselves, is craved. But
when the unruly force of the Blood
doth justly require the help of the
Physician, the *Tastaceous* Medicaments
so frequently spoken of, have the
same effects with *Children*, that Nar-
coticks have with *People* of full Age.
But

But these Volatile Spirits, which are, so much used, the Cordial Waters-*Mithridate*, the Treacle of *Andromachus*, and the rest of these hot Preserving and Diaphoretick Remedies, are chiefly to be eschewed, which are designed to thrust out, with more haste than good speed, these Pushes; but which instead of being Cordial and Expulsory, as is pretended, do very often change the naturally gentle *Small Pox*, into such as are more dangerous; and do move, disturb, and turn inward the *Measles*, otherwise easily disappearing from upon the Superfice of the Skin, introducing deadly Difficulties of breathing and choaking *Catarrhs*; and lastly, they seem most designed to inflame the Blood, which is yet but moderately and slightly warmed.

Reflecting upon the nature of the *Small Pox*, I have frequently admired, how this hot kind of guiding hath so much prevailed, not only among the foolish Nurseries, but Physitians, otherwise, very learned; being this Disease is so very hot; and, being

all *Suppurating* Medicines, properly so called, which are ordinarily applied to any one or more swelled parts of the Body, that tend to Suppurations should be, by the general consent of all Physicians and Chyrurgeons, very temperate; as are the Roots of Marsh-mallows and Lillies, the Leaves of Mallows, *Althaa*, Bear-foot, the Meals of Linseed, Fœnugreek seed, Wheat; Butter, Fat, Oyl, the Yolk of an Egg, Mucilages, Marrow, and the like, which are not hot. For hot Remedies either taken inwardly or outwardly applied, are truly discussing and rarifying, and of a quite contrary nature to the former. Moreover, these do really disturb Nature in her work of Suppuration, and necessarily drive all into a strange confusion. Wherefore *Terebinthaceous Medicaments*, whose strength and vertue is most temperate, which in their benign and gentle Nature are next to those that suppurate, which exceedingly resist the Universal Corruption of the Body; and, lastly, which neither interrupt the Animal or Natural Functions, or render them irregular;

regular; are of all the most eligible
 or *the cure of the Small Pox.*

I could maintain, at more length,
 this Cause, and so, extend the limits
 of this Work beyond measure. But
 will not longer detain the Reader
 with Scholastick Impertinencies, which
 are altogether useless in Practice. I
 will not hunt after an umbrage
 and shadow, of more than ordinary
 Learning by the specious Citations
 of Authors, cavilling among them-
 selves; and lastly, I will not subtilly
 undermine the Opinions of other men,
 that I may triumph over their Igno-
 rance, and that, upon any account,
 I may establish my own. For I know
 very well, how hard a task it is to
 enquire narrowly into the verity and
 truth of things. I know that he hath
 come nighest to the Truth of any
 thing, who shall be found to have
 erred least, however men do upon
 any trifling occasion let up their
 Crests, and assume a degree of *perfect*
Knowledge in this or another Science,
 when Men can make no progress
 beyond the natural Limits of their
 Weakness

Weakness and Frailty. And truly the more knowing any Man is than another, the more humbly and submissively doth he demean himself. But there seemeth to me, to be a certain moderate comprehension of things and bounded with the same proportion of Knowledge, diffused by degrees upon every Age, that, *viz.* none may unjustly upbraid the other of ignorance. Truly, we have lost, by the great changes of humane Affairs, very many things which might perpetuate the Memory of some former Age. Neither are there wanting in the present Age (whatever th'envi-ous may deny) Discoveries that deserve the best Praises, which shall *Nobilitate* the *Art of Physick*, while an *Art*, and hand it down so refined, to be sacredly preserved by Posterity.

And now I shall give some *Examples of Infants*, cured by this our method; but not with that design that these my small and pitiful Endeavours should be preferred to all other more learned Methods; for I cannot determine what others of better Judg-
ment

ment may do. Thus only, I do send
 unto the World and for its use, such
 things as by my Experience, are found
 to be really *true*, or very near to the
 truth (leaving always to others the
 same power of judging we have as-
 sumed to our self) and which I doubt
 not, may be of great use to some.

Observation I.

A Very Noble Infant, th' Eldest
 Son of the most Illustrious Lord,
Charles Marquess and Earl of *Wor-*
cester (a Man of an Infinite quickness
 of Spirit, and very capable for the
 greatest Offices in the Kingdom, whom
 all the Changes and Vicissitudes of
 Humane Affairs could never divert
 from his singular Integrity) being of
 a very succulent and sanguine Habit
 of Body, but whose Nerves were very
 weak, and very often troubled with
 an Acute Fever; but its Matter did
 most especially derive it self into his
 Lungs. In the mean while, his Lord-
 ship was affected with a grievous
 difficulty

difficulty of Breathing, which, especially, in his sleep, was most sensible to his By-standers. A Paleness did seize his Beautiful Face, Drought especially; and violent and burning Heat of Skin, with Tumbling, and continual Disturbance, quiet, did oppress him:

I let him Blood somewhat largely, from his Arm, and then most successfully used that method which I have described, whereby the Fever, with all th'other Symptoms were defeated, and Health restored.

But the first time that I visited that Noble Infant, was upon the 14th. of June, 1685. when he was 14 months old. But he was much weakned by a *Chin-Cough* at that time, when he was first committed to my care; Doctor *Short*, a most Excellent Physitian, being call'd to my Assistance. And by our common Advice, were taken four Ounces of Blood from his Right Arm: Truly, I did propose, a more liberal use of Pearls, and such things, which allay too much Acidity; and in the mean while a spoonful of the Juice of Pennyroyal sweetned with Sugar

(III)

Sugar Candy, to be given twice or thrice in one day, and every third day to be gently purged with *Manna*; to which method, as both the most safe, and as approved by me upon other occasions, this Gentleman, of singular Sincerity, and excelling not only in the knowledge of his Profession, but also in his good Humor, did easily assent. And so that most Noble Infant next Heir after his Father, to the most Splendid and August, next to the Royal, Family, of the Duke of *Beaufort*, recovered Health (as I did publicly foretell at that time) in ten days time, who, in the Opinion of the other most famous Physitian, seem'd not possible to be cured in the space of three Months.

Moreover (by the Blessing of God) I did restore to former Health, the same most Noble Infant, now five Years, old when sick of a continued Fever, and chiefly complaining of his Head and Belly by course, but next being tormented with most violent Grips upon the Region of the *Ilium* (so that they were very like to the
Iliack-

Iliack-Passion) with a very weak
 Pulse. But we must observe, that
 when this was changed from a *most*
Acute and Continued, into a most *saff*
Intermitting Fever; whose Paroxysms
 had not its beginning with shivering
 and cold (as ordinarily) but
 with a dry Cough, which lasted thro
 whole Fit; and which recurred every
 day after Dinner; I resolved to try
 the Virtue of the *Jesuites-Powder*.
 But all its advantage was fleeting,
 and merely palliative, until some drops
 of Blood, forced from his Nose, by
 the strength of the Fever, and vio
 lence of the Cough, did encourage
 me, who before was a little Re
 fractory (because his natural strength
 was much exhausted by the Disease)
 to take, at least six Ounces of Blood
 at his Arm; and to purge him next
 day. After which, a strengthening
 Julep, designed for carrying off the
 Remains of his Cough, did so perfectly
 cure that weak Infant, that daily he
 became more healthy, until he ar
 rived at its Perfection, which he
 enjoyeth at this time.

Observation

Observation II.

I Did treat after the same manner, the same Marquess his Daughter, Lady *Elizabeth*, a Girl eleven months old, being of a plump and thick Habit of Body, seized in the beginning of the Spring, but a very cold Season, with an Acute Fever, and a Cough almost *Convulsive*; and did reduce her to perfect Health in almost as short time (considering both Seasons of the Year;) I only added about the end some Drops of *Sweet Elixir Proprietatis* to these Powders.

Observation III.

THE only Son of the Earl of *Pembroke* (a Noble-Man not only well endued with the ancient Splendor of his Ancestors, but with all excellent Gifts of mind) being Seventeen Weeks old, was troubled, in the beginning of *February*, with
Colick:

Colick Pains, Green Excrement,
Thrushes, perpetual Disquiet, and
startling of his Limbs. His Ears
 from which a certain Humour (after
 the manner of Infants) did flow in
 great abundance, were intirely dryed
 up. Yet, by the use of the mentio-
 ned Remedies, he recovered in the
 space of six days.

℞ of the compound Powder of
 Crabs Claw ℥i. of Pearls prepar'd ℥i.
 of Sal-prunell. ℥i. M. and make
 Powder to be divided in eight equal
 parts. Let him have one immedi-
 ately in a spoonful of the following
 Julep, drinking another after all.

℞ of the Alexiterious Milk Wa-
 ter, ℥iv. of Pennyroyal Water, ℥i.
 of the compound Pœony Water, ℥iij.
 of Pearled Sugar, ℥i. M. and make
 a Julep.

Two days after the Illustrious In-
 fant had taken the prescribed Pow-
 ders, for the allaying of his Pains
 with their designed Success; I gave
 him the following solutive Syrup
 upon the third, by which he was
 greatly purged, and put from the least
 suspicion of Danger. ℞

℞ of the Syrup of Cichory with
Rhubarb, of purging Thorn ana ℥j.
of the best Rhubarb in Powder, gr.
℥ij. of the Tincture of Saffron *gut. x. M.*

Thereafter, I continued him the
next two days with the Powders, and
I purged him upon the third as before.
After all these, his Sickness did in-
tirely vanish, the lurid and pale Co-
lour of his Face became vivid and
sprightly, and his Ears began to weep
as before.

Observation IV.

THe most Honourable Lady Ca-
therine, Daughter to the same
most Illustrious Earl, being three years
and a half in Age, was affected with
a *Lent Fever*, which had most irre-
gular Paroxysms, but she particularly
complained of a grievous pain of her
Head, and sometimes of her Belly. She
had an aversion to all sort of Food,
and was now and then so sleepy, that
all the Family suspected her Disease
to be the *Small Pox*; she was several
times

times troubled with starting of her Nerves, and sometime with a *dry Cough* in her Sleep. I prescribed the following Medicaments.

℞ of the Alexiterious Milk Water ℥vj. of the Plague Water ℥ss. of prepared Pearls ℥j. of the simple Powder of Crab's Claws ℥ij. of refined Sugar ℥ss. M. and make a Julep. Of which let her have three spoonfuls every fourth hour, carefully shaking the Glass before you pour it out.

℞ of Socotrine Aloes ℥i. of the top of the lesser Centaury, of the Leaves of Savine dried ana ℥ss. of Burgundy pitch ℥i. of Venice Turpentine, as much as is sufficient. Make a Plaster to be applyed upon her Navel.

The next day she continued the use of the Julep.

She had a Vesicatory applied underneath the nap of her Neck.

There was a Clyster of six Ounces of sugar'd and salted Milk injected because she was constipated in her Belly.

℞ of the black Mineral, of sweetned Mercury, ana gr. vj. of Marmalade of Quinces ℥ij. Make a Bole to be given at Night.

The day after, she took this Purgative Syrup.

℞ of the Syrup of Purging Thorn ℥ij. of the Countess of Warwick's Powder, gr. vj. of the best Rhubarb in Powder, gr. xij. of the Tincture of Saffron, gut. xx. of Black Cherry Water ℥j. M.

Half a Dram of the Crystal of Tartar was given her in a draught of Posset, to sharpen the Purgative.

That night she got four spoonfulls of the foregoing Julep at Bed-time.

The following Mixture was, upon the fourth and fifth day, in addition to the former Prescriptions, ordered to be licked up frequently.

℞ of Corallin ℥ij. of the dried leaves of Mint in Powder ℥i. of the simple Powder of Crab's Claws ℥i. of the Syrup of the Balsam of Tolu, of Althæa ana ℥i. of Orange Water ℥ss. M.

The

The Bole prescribed before was renewed upon the night preceding the sixth day; as also the purging Syrup the next morning; by which this very Noble Lady did vomit up, about noon, a Worm of a span long. Upon which, she was freed of all her Maladies.

Observation V.

THE much Honoured and only Daughter of the most Serene Prince, *James Duke of Ormond*, scarce yet a year old, was much troubled with a loathing and desire to Vomit; as also she was much fretted with *green Excrements*, and therefore, with *Gripes*. I did easily remove these Colick-pains with a powder of Pearls given from gr. viij to ℥ss in a spoonful of Mint-water, thrice a day; and did gently purge off the morbid Matter with gr. vi. or ℥ss of *Rhubarb* in a little of the Syrup of *Cichory* with *Rubarb*; by which her *green Excrements* got a better Colour, and,

and, her Pains being removed, she enjoyed her days in great ease. And her *Loathing* and *Vomiting*, her Stomach being now corrected, did cease.

Observation VI.

THE only Daughter of that excellent Gentleman, Mr. Footeslow Esquire, at *Kensington*, a Member of the present Parliament, and descended of a very rich and flourishing Family in the County of *Surrey*, being six months old, was troubled for some time, with a dangerous and extraordinary *Fever*, such as some call *Malignant*. Her *Excrements* were *green*, the Colour of her Face very pale, and much like that of Lead. *Thrushes* did utterly hinder her Sucking; and some unusual Symptoms did very much threaten her Life. He did raise her Chin as high as possible, and did constantly cast back her head, that I, at my first seeing her, did suspect, there might be some *Im-*
posthume

posthume sticking to her Chaps, or some sudden stifling. I ordered fifteen Grains of the mentioned Powder to be given her at a time, according to the method before described. But as often as she took them, there did arise such a sensible *Ebullition*, as never observed before in any Infant. For all things turned so irregular and she seem'd to be in no less hazard, than may be expected by total Suffocation. But it did truly resemble that ordinary boyling that is by the mixing of an *Acid* and *Alkali* in a Vessel. Moreover, this effervescency being over, she did run out in *sweat* on all parts. Yett neither was that Symptom at all diminished, or the rest, any way changed to better, after a great many Doses of the Powders, and the subsequent Purgings. Therefore, at length I gave her at night, of *sweetened Mercury and flower of Brimstone* ana gr. iv in a little of the Syrup of Clove-gilliflowers; and did reiterate the same things next morning, for correcting or averting that great corruption.

ruption of Humours. But she did vomit up a great deal of putrid, stinking Matter, variegated with Blood, and of as party Colours as a Rain-bow, not long after her taking the second Dose in the morning; after which she immediately became better, and those Powders, from which she was hitherto now utterly averse, being given again did profit her much, no Ebullition arising from their use. Thereafter also was she able to weep strongly and cry out. About this time, began a Cough which was somewhat troublesome; but was soon defeated. So soon as these *Trushes* did disappear, as soon did the *Fever* vanish, her sick Colour was restored and this Infant, deservedly thought desperate by all, did suddenly recover her former Strength.

Observation VII.

THE only Son of Mr. *Burton*, Captain of an *East-India* Merchant-ship being but eight days old, was
 G affected

affected with *Gripes*, *Green Excrement* and continual *Disquiet*. Moreover these *Thrushes* did so cover, as a white Scurf, the inner parts of his Lips and whole Mouth, that he was not able to lay it nigh, at least not to suck his Nurse her Breasts. For him, there did I prescribe after this manner.

℞ of Pearls prepared ℥ij. of the simple Powder of Crabs-claws ℥j. M. and make a Powder to be divided into eight Doses. Let him have one thrice a day, at a convenient season, in a spoonful of the following Julep.

℞ of the alexiterious Milk Water ℥ij. of Penniroyal water ℥j. of pearled sugar ℥iij. M.

On the first day, and thereafter these *Gripes* were allayed, and calm sleep procured.

Upon the third he took the following Purging Syrup.

℞ of the Syrup of Cichory with Rhubarb ℥ij. of the Powder of Rhubarb gr. vi. of Rose-water gr. xxx. M.

That same evening he got one of the fore-going Powders.

Upon

Upon the fourth day he begun to suck, the *Thrushes* then disappearing, and his *Excrements* were not at all green. Notwithstanding he continued, all that, and the fifth day, in the use of the *Powders*.

Upon the sixth, he took the *Purging Syrup* with ℥ss. of the best *Rhubarb in Powder*, in place of the vi. grains he had taken before. After all which, he perfectly recovered.

Observation VIII.

THE Daughter of Mr. *George Sclater* (a Divine, well instructed in all kind of Learning, Rector of the Parish of *Hayes* near *Bromely*) being about ten months old, was affected with a most violent *Flux*, at the time of *Breeding Teeth*, that she was almost dead, and given over by all as desperate, because of her frequent *Stools* (which were green, and no fewer than 40 or 50 in one day, as her Parents inform'd me.) I gave her a scruple of the mentioned

G 2

Pow

Powders, at least, every fourth hour but oftener in the beginning, even until the *Flux* did much remit, the sharpness of the Bile was allayed, sleep also procured, and the former strength somewhat renewed. Upon the third day, I did drive out of the Body the Humours, so prepared with *Rhubark*; which can never be sufficiently commended, which doth not only confirm the strength of the Weak Parts, but also doth remove and most pleasantly purge off Impurities. I continued in giving these Powders thrice every day until the third, upon which I did renew the same Purge. After these, she was perfectly cured.

Moreover, I shall add here: That as I do easily adjudge the Victory to *Rhubarb*, as a *Purgative*, of all, the most agreeing with *Infants* affected with *Fevers* or any other *Sickness*; so neither can there be any thing found that is naturally more unsafe and dangerous than *Aloes*, which is so much commended, and which is most hurtful (however *Sacred its Preparation*

paration may be named) to such as are Feverish, both because of its intense *Heat*, and *fretting faculty*, which is most opposite to that tender Constitution. And I, if it were my Humour, could confirm the truth of this assertion, by a very incredible Account of a most *Noble Infant* scarce yet 4 years old, being affected with a *Lent-fever*, who, in the space of two days, was brought to that pass, especially by the use of *Hiera Picra* in a hot Vehicle as is customary, that the Taches of his Intestines suddenly made by it, which *Anatomical Inspection* did make known, did far exceed all belief. But this I do pass, remembering that we should speak nothing but well and honourably of those that are dead, so also concerning those that are alive.

Observation IX.

THE Daughter of a certain Gentleman, but four years old, was affected in the Summer of the Year 1687. with the most violent Fever

that ever I did see upon any of the
 Age ; her habit of Body was very
 lean, her draught insatiable, the Heat
 of her skin was sharper than any
 these years, so that any that touch'd
 it, were scarce able to endure this
 inward burning for any time. In the
 mean while the Parotid Glands did
 torment her, and were a little swelled
 her cheeks, for the most part, were
 very red ; and she did decay in con-
 tinual anguish and disquiet. It was
 evening when I did first see her in
 this condition. I did instantly order
 for her ʒss. of our Powders made a
 little Expulsory, to be renewed, a
 little after, in a Spoonful of Penniroy-
 al Water. The same things were re-
 iterated next Morning, but about two
 hours after her Mornings Draught,
 a good deal of blood did run from
 her Nose, and her whole Fore-head
 was livid and somewhat swoln with
 much Redness here and there, as she
 had been newly banded with cudgels :
 A round crimson colour'd spot of
 two inches breadth did appear under
 her left Temple ; At which being No-
 things

thing discouraged, but thinking it a very good Omen, I did order her the use of those Powders that blunt Acidity for that day, only, they were made less expulsoy, but upon the next, *h. e.* upon the third, after I was called, I did not doubt to give her the Purging Powder, well sharpned with the Crystal of *Tartar*, altho her Fever, Heat, and Drought were nothing abated; by these she had five or six Stools. Lastly, this very day did her Fever evanish, by the evening she had no drought, and the Heat of her Skin was as temperate to the touch, as it is in her best health, so that the small Infant, aboute even, did cry out, *How well am I now?*

Observation X.

THE Daughter of Mr. Golton, a well born Gentleman, being a year old, of a *Plump* and very Fat Constitution, became Feverish in the month of *November* by *Breeding-Teeth*;
 G. 4. her

her drought was Insatiable, her Face
 very pale, only there was somewhat
 of a Green mixed with the wanneness
 so often as, being to suck, she put
 her Mouth to the Breasts, as often
 was she forced to give over, because
 of a violent *Cough* which did begin
 at that time; by which Symptom
 being advertised, I did suspect that
 her *Vulva* was swelled and inflam'd
 Moreover, her mouth was very much
 hurt with *Thrushes*, that she could
 never be induced to open it
 unless she was some time forced
 by stopping her nostrils, to breathe,
 and by that means to receive Me-
 dicaments. Her Excrements were
 very green, and of a Sour smell, with
 continual tumbling, which did indi-
 cate that she was troubled with *Colick-*
pains. Her breathing, when asleep,
 did strike the ears of the bystanders.
 Moreover she could not weep till,
 after a week, by the constant use
 of these Medicaments the sickness
 was much quelled, and the ordinary
 crying of Infants did return. All the
 symptoms did evidently remit after
 the

the operation of the *Second Purgative*; and by the third, the brisk Colour with a most pure white did by degrees return to her Face, her Eyes became lively, and at last she did enjoy most perfect health.

I shall add also an extraordinary example of a *Chronick Disease*, which is not much beside the purpose, neither altogether unuseful.

Observation XI.

Isaac Pope being thirteen years of age, was so pined away with a Consumption, by worms (as it proved) that he was much liker a Skeleton than a live Boy: His Face was like that of one raised from the Grave, his Eyes hollow; his Nose sharp, and his bones only covered with skin: By this Disease he became senseless, and altogether void of reason; and scarcely could his rattling joynts carry him from one end of the room to another with the swiftness of a Snail: All his Excrements, whether by Urine, or by

Stool, fell involuntarily in the day
 time into his Breeches, and in the
 Night upon the bed; I gave him from
 25 grains to 3ss. of my black Mineral
 ral, which I much use, Morning and
 Evening, purging him gently every
 fourth day. By which he voided
 a great many worms, and a little after
 became very plump.

But I shall not grudge to describe
 the preparation of my Black Mineral
 because not to be found in any Au-
 thor, that I know, and may be of
 very good Use.

℞ of Quicksilver four parts, of
 Flower of Brimstone three; stir all
 well in a glass mortar, until all the
 globules of the Mercury do utterly e-
 vanish and the mass be reduced to
 a grey Colour, which turneth very
 black after that 'tis kept some
 time.

The ordinary way of making the
 black Mineral is by mixing equal
 parts of Mercury and flower of Brim-
 stone, and Burning, until a kind of
 useless Earth doth remain, after the
 Combustion, in form of a Powder,
 which

which is but half the quantity of the Mass: whose genuine and natural vertue is lost by the fire, or if not, it cannot surely enough be determin'd what its strength is which may be said of a great many other Preparations made by Fire.

I prefer this way of preparing it, to all other, both because tho given in however so great a quantity, and however often, it never exciteth *Salivation*, which cannot be convenient for that tender Age, and is most formidable to by-standers; as also, because it is made up after a *simple and natural way*, without any help from too too curious *Art*, which putteth no value upon any Medicaments, but such as have passed the Fire, that thereby they may become purer and more freed from their, I know not what, natural filth; when tho they are very often changed from their best state and their excellent natural Vertues, into such as are worse, more unsafe, and intirely new. But also the undaunted *Volatility of Mercury* which hath cost Chymists so much

much labour in *Fixing* it, is very easily subdued by the small work of the *Pistil* and *Mortar*.

I might adduce a great many more *Examples*, if I could discreetly in-
croach upon the patience of my Reader, by dwelling longer upon the same thing.

I might renew and deservedly approve of that good and old custom of easily preventing a great many *Diseases* of Infants and Children, by safe and known Remedies, which do much resist the corrupting of Humours, and were given every month. Seeing, *viz.* the most tender nature of Infants is most subject to all impressions, as well external as internal, and seeing *Crudities* and *Indigestion* do so abound with these tender ones, a prudent Physician should correct and amend these *Dispositions* and *Diseases*, which cannot be altogether removed in so delicate and weak a Constitution.

I could, at length, debate, whether it were safer that new-born *Infants* should rashly be resigned, as is customary, to the care of a *Hired Nurse*,
that

that Parents, *viz.* at the last may hear of the great hazard of their Infants, when they have already ended their innocent life through the carelesnes, and fault of Nurses, or whether they should rather be weaned when first born; whether mothers themselves should become nurses; or lastly, whether the nurse, when necessity doth require one, shou'd be maintained at the Mother's Houses, and by their care be diligently kept up from the Embraces of her Husband.

But it is now high time to remove an Objection as well of some Physicians, which are happy Practitioners, as of all those who have most diligently enquired into the nature of *simples* for the use of *Physick*: they *sc.* will blame my *Method* as too simple, and not equipped with things commonly known, and much wanting that *Variety* of *Prescriptions* which is so very requisite for a learned Physician, and which often over aboundeth amongst Authors, yea, they will accuse me, that I am either altogether ignorant of, or have unjustly slighted, the *Chymical Preparations*

rations long ago commended in the
Works of almost all the Authors.

Let them, then, remember, that
Physician is the *Servant* of *Nature*, and not
that *Nature* cureth Diseases. Let
them complain, that they came naked
into the World, that *Nature* is con-
tent with a few things, and that *Art*
should imitate, or rather adumbrate
Nature as much as is possible. They
may know, that I think him, who pre-
scribeth too long or too many Forms or
Remedies, to offend through Ignorance
or deceit.

And as to *Chymistry*, I do more en-
deavour to understand it, than to lay
any great stress upon its Promises.
I shall not mention how long I lodged
with the most Famous *Lemery*, the
great Honour and Ornament of the
Spagyrick Art, and of this Age (as to
Chymistry) in his House at *Paris*. And
if *Physick* had not very much abounded
with genuine and natural Ways of cu-
ring, when *Chymistry* not long ago
pretended to the chief place in *Medi-
cine*, I doubt it would have afterwards
swoln so much with *Chymical Preparations*.

For what end should *Physicians* have betaken themselves unto unknown, unsure, and most dangerous things, even those Sanctuaries of Ignorance; unless that some notable jealousy had arisen from things so well known, and tried by many? Surely they had not snatch'd so greedily at the Shadow, forsaking the substance, if no Charm had appeared in the trembling Light. But I would not rashly despise *Chymistry* as confined within the bounds of *Pharmacy*, neither would I have any to extol it un-awares as diffused beyond the limits of *Physick*.

It is very observable in how great Poverty, these great favourers of *Chymical Preparations*, and the zealous Enemies of the old way of curing (that I may say nothing of the comon *Chymists* & *Quacks*, who adulterate every thing, and make great promises without performance) if you except very few, do live, though they do not doubt to promise Golden Mountains (as people speak) to the too credulous, ignorant, and covetous. But though it be true, that Riches and Power are not given,
to

to wise and knowing Men, and such as are
 are best skilled in every Trade, conform
 form to their Demerit; yet I think it
 it most probable, that *Their* great Pecc
 verty hath most its rise from the hum
 and great Bane of their *Medicamen*
 or famous secrets: & that a great ma
 ny of them (because of their destruc
 tive *partaking* or *incorporating* with th
Fire) are most unuseful for, if not all
 together contrary to the Health o
 Mankind. For if for the most part, the
 were of any use for Men, or if their
 strength were answerable to their pro
 mises, altho they could not enrich
 this, or the other *Chymist*; yet, it
 most sedulous Artificers (even as an
 ordinary gain doth always attend th
 great part of all other careful Trade
 men, who make profession of any thing
 for public use) could not be so frequ
 ly frustrated, in their hopes of getting
 Riches. If I intended to *advise my dear*
est Son, what method he should take
 to scrape together a great abundance
 or, at least, a sufficient Portion of Mo
 ney; by my perswasion he should be o
 great integrity of life, that he should

circumveen no man deceitfully, neither that he should take pains in coyn-
ing Lyss, whatever kind of Life,
or whatsoever sort of Trade he did
designedly lead, for encreasing Riches.
And I would no less inculcate to him,
that this is, of all, the best way to live
in miserable Poverty (however the co-
zenings of some Crafty Knaves, who
have long practised falshood, may suc-
ceed for some time) not to perfidiously
over-reach others, to tell lies for truth,
and at any rate to act the part of a
wicked Impostor, or unthrifty Man.

But that we may return to *Chymi-
cal Preparations*: I cannot but esteem
the *Works of Nature* far more excel-
lent than those of *Art*; yea, with
Galen, that they are greater, and do
exceed all Commendation; however,
they be despised by some, and *Nature*
her self accused as unactive by *Epi-
curus*. Wherefore, our most divine
Old Man doth justly say, Ἡ ἰατρικὴ
μαλιστα κατὰ φύσιν ἐστίν. *That Medicine*
*is best practised according to the pre-
script of Nature.*

But that we may come to a close, I
would not have such, as do so much
esteem

esteem and are delighted with the *Art* we speak of, still ignorant, that scarce any *Chymical Preparations* (as its true Sons, if there be any such, have oftentimes complained to my self) are to be sold at this time, which are not fictitious, and adulterated upon the base account of Gain.

Lastly, some may object, that *Blood-letting* can never be convenient for that tender Age, much less to become necessary upon some occasions.

I reply, that *Bleeding*, even of the Youngest Infants, was appointed of old by the command of the Supreme God, the *Greatest Physician*, in the Decree of the *Circumcision*; that greater *Hemorrhagies* did often attend it, and which were very difficultly stopped, unless by exquisite Remedies prepared for that end; and yet the *Jewish Writers*, which is very observable, did boldly aver, That not one Infant of a thousand was a-missing or died untimely, only because that *Blood* was let this way.

May the greatest and best God, from whom, as from an inexhaustible Fountain

tain

tain, every good and propitious thing doth
flow, upon whose favour the happy Suc-
cess of the Art of Physick, more than any
other, doth continually depend, counte-
nance with his wonted Goodness, these
things which I have written with a sin-
cere Mind, that they may tend to the
Publick, which is always to be prefer'd
to any private advantage.

FINIS.

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