OBSERVATIONS

ON

MAN,

His Frame, His Duty, And His Expectations.

.

DAVID HARTLEY

Two Volumes in One

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WITH AN INTRODUCTION

Ву

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the Nature of Assent.

Of Propositions, and the Nature Affent.

PROP.

To explain the Nature of Assent and Dissent, and to show from subat Causes they arise.

Propolition. cife and particular Nature may be, must come under the Notion of Ideas, being only those very complex internal Feelings, which adhere by Association to such ral, or Affirmations and Negations in particular. The Clusters of Words as are called Propositions in genefame thing is remarked in the 10th Corollary to the 12th T appears from the whole Tenor of the last Section, that Assent and Dissent, whatever their pre-

But in order to penetrate farther into this difficult and important Point, I will distinguish Assent (and Rational and Practical; and define each of thefe. by Confequence its Opposite, Dissent) into two Kinds,

Proposition with the Word Truth. Rational Diffent is the Opposite to this. This Assent might be called verbal; but as every Person supposes himself always to have sufficient Reason for such Readiness to assirm or deny, I rather choose to call it Rational. defined a Readiness to assirm it to be true, proceeding Proposition, with the Idea, or internal Feeling, belonging to the Word Truth; or of the Terms of the from a close Association of the Ideas suggested by the Rational Affent then to any Proposition may be

ner as the frequent vivid Recurrency of the rational Practical Assent is a Readiness to act in such man-

Affent disposes us to act; and practical Distent the con-

gree of Strength, without any previous rational Af-tent, and by Methods that have little or no Connexion tional Affent, the Practical not being applied to them in common Cases. Secondly, That the practical Af-Infrances. by it, and, converily, exerts a great influence upon it. mathematical ones for instance, admit only of a rapressed. There are, however, two Cautions to be subjoined here; viz. First, That some Propositions, All this will appear more clearly when we come to the fent is bemetimes generated, and arrives at a high Defary Confequence of Rational, when sufficiently im-Practical Affent is therefore the natural and neces-Yet ftill it is, in general, much influenced

thematical Conclusions. practical Affent, beginning with that given to ma-Let us next inquire into the Causes of rational and

rious Objects. We see every-where, that Twice two cidence of the vilible or tangible Idea of Twice two and Four are only different Names for the same Imwith that of Four, as impressed upon the Mind by vathe Proposition, Twice two is four, is the intire Coinprefion. priates the Word Truth, its Definition, or its inter-Now the Cause that a Person assirms the Truth of And it is mere Affociation which appro-

able to form any diftinct visible Ideas of them; as attends the just-mentioned Coincidence of Ideas in the 144, and refembling the Coincidence of Words which of reckoning up 12 times 12, so as to conclude with when we fay, that 12 times 12 is equal to 144; a nal Feeling, to this Coincidence.
Where the Numbers are so large, that we are not ways verify the simplest numerical Propositions by our rational Assent. For we often do, and might al-Coincidence of the Words arising from some Method limpler numerical Propositions, is the Foundation of reckon

note the Numbers. ciation again, which appropriates the Word Truth to the Coincidence of the Words, or Symbols, that dereckoning up the Numbers. The Operations of Addition, Subtraction, Multiplication, Division, and Exand rifing above one another. And it is mere Affoponents of Numbers, are no more than Methods of relating to algebrait Quantities, confidered as the Extraction of Roots, with all the most complex ones producing this Coincidence of Words, founded upon

distinct visible Ideas. Methods of diftinguishing them from one another, so as to reason justly upon them. He cannot mean distinct Ideas he must be understood to mean proper der to our obtaining diffinct Ideas of them; for by agrees with what Mr. Locke has observed concerning numerical Propositions, as in the simplest. All this Numbers; viz. That their Names are necessary in oras clear and diffinct. And thus the real and absolute as the vilible Ideas of twice two and four, were they of 12 times 12, and 144, would coincide, as much visible sdeas of the Numbers under Consideration, as things, supposed to be a certain Argument, that the Truth is faid by fuch Perfons to be as great in complex dence of Words is, by those who look deeper into It is to be remarked, however, that this Coinci-

in order to make 21. We have no diffinct visible Number, in order to make the next, as of 1 to 20, Idea, either of 20 or 21; but we have of the Differ-Terms. This refembles the Addition of Unity to any get a new Equality, denoted by a new Coincidence of the new Step advanced in the Proposition; and thus the Terms, for that of the vilible Ideas, except in are denoted for each other, also the Coincidence of Cases, we substitute the Terms whereby equal Things them equal in simple Cases. Afterwards, in complex Angles, Spaces, and folid Contents, in order to prove In Geometry there is a like Coincidence of Lines,

> ence between them, by fanfying to ourfelves a conmonstration of the most complex Propositions. ber; and then farther fanlying I to be added to it. fused Heap of Things supposed or called 20 in Num-By a like Process in Geometry we arrive at the Dethe Nature of Assent.

try in many Cases, as when we demonstrate a Line or Space to be half or double of any other, or in any other rational Proportion to it. The Properties of Numbers are applied to Geome-

Purpose; so Letters are put for geometrical Quantities also, and the Agreements of the first for those accurately as if they were distinct; also Cyphers for Ideas, in order to help us to reason upon them as which the whole Doctrine of Quantity is built; for all Quantity is expounded either by Number or Exten-Words, and Letters for Cyphers, both for the fame they are to be proved unequal, the Want of Coincidence answers the same Purpose. If they are in any and Terms together, or of Terms alone, in complex of the last. And thus we see the Foundation upon the rational Assent in simple Cases; and that of Ideas sion, and their common and sole Exponent is Algenumeral Ratio, this is only the Introduction of a new Coincidence. Thus, if, instead of proving A to be under Consideration are to be proved equal. ones. This is upon Supposition that the Quantities equal to B, we are to prove it equal to half B, the two Parts of B must coincide with each other, either in Idea or Terms, and A with one. And as in Arithmetic Words stand for indistinct The Coincidence of Ideas is the Foundation of But, if

cessary for geometrical and algebraical Reasonings, as And thus it appears, that the Use of Words is ne-

well as for arithmetical. We may see also, that Association prevails in every

Part of the Processes hitherto described. Affent to mathematical Propositions, as this is defined But theie are not the only Causes of giving rational

tioned Coincidence of Ideas and Terms. ation again; this Memory, Authority, &c. being, in our Assent, though we understand no more than the Import of the Proposition; nay, even though we do innumerable Inflances, affociated with the before-mennot proceed to far as this. Now this is mere Affecirity of an approved Writer, &c. are sufficient to gain assented to each Step of a Demonstration, the Autho-The Memory of having once examined and

of our Frame, the Obligation to Assent (whatever be meant by this Phrase) must coincide with the Fact. must always follow from the fixed immutable Laws here describe the Fact only. And yet, since this Fact ever, the Foundation of Assent is still the same. I ry, Authority, &c. in all their peculiar Circumstances, ation, fometimes Falshood, according as the Memohave been affociated with Truth or Falfhood. Howand unite itself with the Proposition under Considerthis opposite Coincidence of Terms puts the Mind into a State of Doubt, so that sometimes Truth may recur, and Authority are sometimes sound to missead; and But here a new Circumstance arises. For Memory

plex Idea, as was affirmed above of Propositions in general. And this Idea is not merely the Sum of the Ideas belonging to the Terms of the Proposiwhatever they be, which belong to Equality, Coincidence, Truth, and, in some Cases, those of Utility, tion, but also includes the Ideas, or internal Feelings, it is prefented to it, is nothing more than a Group of Ideas, united by Affociation, i. e. than a very comtional Affent or Diffent ariting in the Mind, as foon as And thus a mathematical Proposition, with the ra-

quence of some mathematical Proposition assented to Method of executing a projected Defign, in Confeof these Words; as when a Person takes this or that attended with a practical Affent, in the proper Sente For mathematical Propositions are, in some Cases,

> site, yet the Degree of the practical Assent is propor-tional to the Vividness of these Ideas; and in most ance. These operate according to the Method laid down in the 20th Proposition, i. e. by Association and though the rational Affent be a previous Requi-Actions, here denoting the practical Affent, is the frequent Recurrency of Ideas of Utility and Import-Now, that which produces the Train of voluntary from his own Examination, or on the Authority of others. Operation. Cases they strengthen the rational Assent by a reflex the Nature of Assent.

Kinds, they being all taken from common Appearances. Or if any Doubt should arise, the Matter must be confidered scientifically. The Assent given to these Proare, That Milk is white, Gold yellow, that a Dog jects into a Proposition, or adding some of its compolitions arises from the Associations of the Terms, as mon Affociates, so as to make it more complex. the prefent complex Idea belonging to material Obwell as of the Ideas denoted by them. There is fearce room for Diffent in fuch Propositions, Propositions concerning natural Bodies are of two inds, Vulgar and Scientifical. Of the first Kind These are evidently nothing but forming

another Property or Power joined to them, as a con-ftant or common Affociate. Thus Gold is faid to be In scientifical Propositions concerning natural Bodies a Definition is made, as of Gold, from its Productile, fixed, or soluble in Aqua regia. Now to Persons, who have made the proper Experiments a perties, suppose its Colour, and specific Gravity, and and are suggested by common Appearances. But then, if they be scientifical Persons, their Readiness to assume that Gold is soluble in Aqua regia universally, verily, are suggested by them, in the same manner Ideas which occur in those Experiments, and, confufficient Number of times, these Words suggest the as the vulgar Propositions above-mentioned suggest

Step of the Process, deducible from Affociation. ing: Secondly, That our Affent is here also, in every Words are absolutely necessary to the Art of Reasonhence we may see, as before, First, That Terms or Gold is foluble in Aqua regia, farther in those who unites the Subject and Predicate of the Proposition, they coincide at once in the Imagination, when applied to Gold, or any other natural Body, in particupenetrate still deeper into abstract Speculations. And Instances, besides those of natural Bodies; and this far. The Coincidence of general Terms is also obcoincide, in fact, in a great Variety of Instances, so Truth; and as these general Terms are observed to able Qualities of any natural Body, infer the reft, being never found without them. This is a general and Tenor of Nature. They know, that the Colour, and specific Gravity, or almost any two or three remarktheir own and others Observations on the Constancy arifes also from the Experiments of others, and from

to Medicines, i. e. in the rational and practical Affent most firmly by the Prevalence of the Practical. Process is particularly observable in the Regards paid some time, the rational Assent is generated and cemented sent takes place before the rational. But then, after rational Assent. And in some Cases the practical Asto the foregoing, or other fuch-like allowed Causes of and Importance, and which is no ways proportional Affent, ariting chiefly from fome Jupposed Utility are often attended with a high Degree of practical The Propositions formed concerning natural Bodies

dered. The Influence of the practical Affent over the rational arifes plainly from their being joined togethe first and simplest of the Associations here consito the Propositions concerning their Virtues.

It is to be observed, that Children, Novices, un-Affent upon a fingle Instance; and that this arises from learned Persons, &c. give, in many Cases, a practical

> arifing from the supposed Utility, Importance, &c., does also unite the Subject and Predicate sooner and neral Account of Affociation. closer, agreeably to what has been observed in the gether in so many Cases. The Vividness of the Ideas the Nature of Assent.

fent to them; and the contrary Qualities to Diffent. of past Facts, become principal Associates to the Asthe principal Restriction, or Requisite, in the Accounts Restrictions; and therefore beget the Readiness to affirm a past Fact to be true, i.e. the rational Assent. usual Associates of true past Facts, under proper mory, and the Authority of others. These are the The Integrity and Knowlege of the Witnesses, being The Evidences for past Facts are a Man's own Me

corresponding internal Feelings of Respect, Anxiety, Dislike, &c. connected with them respectively; whence supposed intirely sictitious, differs in its Effect upon the Mind, in the three Circumstances here alleged, the Words being the same in each, I answer, First, In having the Terms True, Doubsful, and Fishitious, grees, make it appear like a real one, as in Reveries, reading Romances, feeing Plays, &c. This Affection recurring agitate the Mind more, in proportion to the supposed Truth of the Event. And it confirms this, that the frequent Recurrency of an interesting Event, affecting related Ideas will recur oftener, and, by fo will differ confiderably from one another. the whole Effects, exerted by each upon the Mind, with a Variety of usual Associates to these, and the supposed to be certainly true, supposed doubtful, or of Mind may be called the practical Affent to pall If the Event be of an interesting Nature, as a great Advantage accruing, the Death of a near Friend, the supposed doubtful, or even fictitious, does, by de-Facts; and it frequently draws after it the rational, as n the other Inflances above alleged. If it be asked, How a Narration of an Event, Secondly,

guine are apt to believe and affert what they hope, and Case, it will generate the Rational. Thus the San-Mind. Hence Resicction makes the practical Assent grow for a long time after the Rational is arisen to its Height; or if the Practical arises without the Rational, in any considerable Degree, which is often the and the Degree of Agitation produced by them in the with that for the Propositions concerning natural Bo-dies, being, like it, taken from Induction and Ana-Practical depends upon the Recurrency of the Ideas, The Evidence for future Facts is of the fame Kind This is the Cause of the rational Assent. The

Opposite. fent; in others, destroy it, and convert it into its in some Cases add great Strength to the rational Afmix themselves in these Subjects, and, by doing so, tion, Jealouty, Envy, Self interest, &c. which inter-Ideas of Importance, Reverence, Piety, Duty, Ambi-Applications of them, or as confidered in their grammatical Relations. This causes the rational Assent. As to the practical Affent or Diffent, it arises from the in Logic, Metaphysics, Ethics, controversal Divinity, &c. the Evidence for which is the Coincidence or There are many speculative, abstracted Propositions Analogy of the abstract Terms, in certain particular

ple Propositions, such as mathematical ones. Dissent, and their Equivalents and Relatives, are confequently, that the Ideas belonging to Affent and a perpetual reciprocal Effect upon one another; and highly complex ones, unless in the Cases of very fimall the Caufes; that rational and practical Affent exert ever, a great Affinity, and general Resemblance, in different from those of Practical; that there is, how-Practical likewife; that the Caufes of Rational are alfo ferent Causes in Propositions of different Kinds, and And thus it appears, that rational Affent has dif-

the Nature of Assent,

clude, in other Cases, Ideas of Utility, Importance, Respect, Difrespect, Ridicule, religious Affections, Hope, Fear, &c. and bear some gross general Proportion to the Vividness of these Ideas. besides the Coincidence of Ideas and Terms, they in-

boque, deterior a sequer; it shews that the rational and practical Assent are at Variance, that they have opposite Causes, and that neither of these has yet destroyed Con. 1. When a Person says, Video meliora pro-

gious Matters are excellent Means of begetting each Cox. 2. The rational and practical Faith in reli-

Con. 3. Vicious Men, i. e. All Persons who want practical Faith, must be prejudiced against the historical and other rational Evidences in favour of Revealed

a Person who varies from the common Usage in his just as he must have the same Ideas in general assixed sceptical, as not to have the complex Ideas denoted by Certainty, Assent, Dissent, &c. Application of a certain Set of Words, viz. Truth, to the Words of his native Language, as other Men Propositions, in the same manner, as in other Persons; Assent and Dissent associated with a great Variety of Cor. 4. It is impossible any Person should be so A pretended Sceptic is therefore no more than

Cor. 5. As there is a Foundation for Unity amongst Mankind in the Use and Application of Words, so there is for a Unity in the Assent, or complex Ideas belonging to Propositions, and a philosophical Lanown Ignorance, which may be called a Religious or Christian Scepticism, is the principal Requisite, and Examination of Things, of the World natural, the human Mind, the Scriptures, would conduce much alfo. guage, or any other Method of bringing about the But Candor, Simplicity, and a humble Sense of our first Unity, would much conduce to this. A careful

dition of Mortality will permit, their practical Affent must be the same; and therefore their Rational cannot differ long or widely. and fully absorbed different Persons, so that God is, in can never be remedied. When Religion has equally respect of them, All in All, as far as the present Conthat without which this Part of the Confusion at Babe

and Acquaintance with them; partly from different Predifpolitions to approve and disapprove. But let \mathcal{A} and \mathcal{B} become equally acquainted with them, and acquire, by Education and Association, the same Predifpositions of Mind, and then they will at last make the same Judgment of each of the Persons whom they B, partly from his having a different Knowlege of, Strangers. A would not have the same Ideas and Associations raised in him from viewing the several Faces, Dresses, &c. of the Persons in the Croud, as he knew in different Degrees, as well as many utter fons, A and B, to go together into a Croud, and there each of them to see a Variety of Persons whom ances of different Persons excite. Suppose two Perpared to, and illustrated by, those which the Appear-The Ideas and internal Feelings which arife in the Mind, from Words and Propositions, may be com-

conduce little or nothing to the Generation of practical Faith, or of Love to God, and Trust in Him through Con. 6. Religious Controversies concerning abfundt Propositions arise generally from the different Degrees of Respect paid to Terms and Phrases, which

the Nature of Assent,

PROP. 87.

To deduce Rules for the Ascertainment of Truth, thematical Methods of considering Quantity. and Advancement of Knowlege, from the ma-

Sciences as are there assumed, yet there are two Kemarks of very general Use and Application, deducible respect to the Events there considered. And though we seldom have such precise Data in mixed from the Doctrine of Chances. THIS is done in the Doctrine of Chances, with

be very great, in order to make the Proposition cre-dible; and this holds so much the more, as the de-Thus, First, If the Evidences brought for any Proposition, Fact, &c. be dependent on each other, so that the First is required to support the second, the to be denoted by r; and confequently, that a can ne Probability be $\frac{1}{a}$. I here suppose absolute Certainty pendent Evidences are more numerous. creases with every Increase both of a and n. ver be less than r. Now it is evident, that $\frac{1}{a}$ de-Value, the separate Probability of each Evidence must Number of Evidences be n, then will the refulting any one of the Evidences renders all the rest of no second to support the third, G. i. e. if a Failure of fance, If the Value of each Evidence be -, and the For In-

its own proper Evidences, be applied directly to establish the Proposition, Fact, &c. in Question, the De-Secondly, If the Evidences brought for any Proposition, Fuft, &c. be independent on each other, i.e. concur, and can, each of them, when established upon if they be not necessary to support each other, but iciency in the Probability of each must be very great,