twice a Year; viz. About the 10th of March, and the be taken, lest there should be imagin'd any Obligation, 12th of September; the first of which is the Vernal, and where there is none.

For an Instance, suppose it an express Law, that the

As the Sun's Motion is unequal, that is, fometimes fwifter, and fometimes flower; (from the Causes already explain'd under the Article EQUATION) it comes to pass, that there are about Eight Days more from the Vernal, to the Autumnal Equinox, than from the Autumnal to the Vernal: The Sun spending more Time in travelling thro' the Northern, than the Southern Signs.

According to the Observations of M. Cassini, the Sun is 186 d. 14 h. 53'. in the Northern Signs; and only 178 d. 14 h. 56'. in the Southern. The Difference of which is

7 d. 23 h. 57'.

The Sun being continually advancing forwards in the Ecliptic, and gaining a Degree every Day; he makes no Stay in the Equinoctial Points, but the Moment he arrives

of Course, therefore, the Day the Sun enters the Equinoctial Point, is call'd the Equinox, as being reputed equal to the Night; yet is not it precisely so, unless the Sun enter the Equator at Mid-day. For if the rising Sun should enter the Vernal Equinox, at setting, he will have departed from it, and have got Northwards about 12': Confequently, that Day will be fomewhat longer than 12 Hours, and the Night proportionably shorter.

The Time of the Equinowes, i. e. the Moment in which the Superiors the Equator, is found by Observation: the

the Sun enters the Equator, is found by Observation; the

Latitude of the Place of the Observer being given.

Thus, in the Equinoctial Day, or near it, take the just Meridian Altitude of the Sun; if this be equal to the Altitude of the Equator, or the Complement of the Latitude, the Sun is that very Moment in the Equator. If it be not equal, the Difference is the Sun's Declination. The next Day observe the Meridian Altitude as before, and find his Declination: If the Declination be of different Kinds, viz. the one North, and the other South, the Equinox has happen'd in the Interval of Time between em. Otherwise, the Sun has either not enter'd the Equinoctial, or had pass'd it at first. From these two Observations, a Trigonometrical Calculus gives the Time of the Equinox.

It is found by Observation, that the Equinoctial Points, and all the other Points of the Ecliptic, are continually moving backward, or in Antecedentia, that is, Westward. This retrogade Motion of the Equinoctial Points, is that famous and difficult Phenomenon, call'd the Precession of the Equinoxes. See Precession of the Equinox.

EQUIPAGE, a Ship's Crew; or the Officers, Soldiers, Sailors, and other Persons, that man and manage the same; with the Arms, Provisions, Merchandizes, &c. wherewith it is loaded. See SHIP, &c.

The Sailors that are to work and manage a Ship, are regulated by the Number of Lasts it may carry; each Last making two Tun.

The Equipage of a Dutch Ship, from 40 to 50 Lasts, is 7 Sailors and a Swabber; from 50 to 60 Lasts, the Equipage consists of 8 Men and a Swabber; and thus increases at the Rate of one Man for every 10 Lasts; so that a Ship of 100 Lasts has 12 Men, &c.

English and French Crews, are usually stronger than

Dutch; but always about the same Proportion.

EQUIPPE, in Heraldry, expresses a Knight equipp'd, i. e. arm'd at all Points.

EQUIPOLLENCE, in Logic, is when there is an Equivalence between two or more Terms, or Propositions; i. e. when they fignify one and the fame Thing, tho' they express it differently. Such Propositions, &c. are faid to be Equipollent. See Equivalent.

EQUITY, is Justice, or Right, mitigated and temper'd by the Confideration of particular Circumstances; or a Correction, or Moderation of the Severity of some Law; or a Temperament, which, without being unjust, abates the Rigour of some just Law. See Law.

This is what the Greeks call meinena. The utmost Severity of a good Law, is frequently contrary to Justice; it should always have Equity for its Rule and Guide. Summum jus, sæpe summa injuria.

The Foundation of Equity, is not that there is any Mistake in the Law; but that the Law was laid down univerfally; when as all Circumstances cou'd not be con-

fider'd, or taken in under one Law.

Equity, therefore, is not so much a Correction of a Law, as an Amendment; nor yet so properly an Amendment of the Law it felf, as of the Opinion arifing from its being

ill understood, or ill applied. In this it is distinguished from a Dispensation, which of the Obligation, but only shews in what Sense it is to

City being now beset with an Enemy, the Gates be all sout; and suppose it fall out, that the Enemy is then in pursuit after some of the Citizens by whom it is defended; fo that it would be highly prejudicial thereto, not to open 'em the Gates: Equity here decrees the Gates to be

open'd, contrary to the express Word of the Law.

Thom. Aquin. proposes another Instance: Suppose it Law, that whoever refuses to restore what had been committed in Trust to him, shall pay a grievous Mulct; and fuppose some Person refuse to restore a Sword left with him, to a Mad-man. This Case is comprehended in the Sense and Intendment of the Law, tho' not in the Words thereof. And the Legislator himself, if he were present, would except it. Equity, therefore, must here step in, to correct or supply the Defects of the Judge, and acquit the Man of the Mulct.

In this View, Equity is of two Kinds, and those of contrary Effects: The one abridges, and takes from the Letter of the Law; and the other enlarges, and adds

The first is defined, the Correction of a Law, made ge nerally in that Part wherein it fails: As, suppose an A& made, That whosoever does such a Thing, shall be a Felon, or fuffer Death; yet if a Madman, or an Infant, who hath no Discretion, do the same, he shall neither be a Felon, nor fuffer Death.

The other is defined an Extension of the Words of the Law, to Cases unexpress'd, which yet have the same Reason; so that, when one Thing is enacted, all other Things,

which are of the like Degree, are so too.

Thus in the Statute which ordains, That in Action of Debt against Executors, he that doth appear by Distress shall answer; doth extend, by Equity, to Administrators; for such of them as shall appear first by Distress, shall answer by the Equity of the field A. Control of the state by the Equity of the faid Act: Quia sunt in equali genere.

EQUITY is also used for the Virtue of Justice.

JUSTICE.

Equity, in our Laws, &c. is frequently used for the Court of Chancery, where Controversies are supposed to be determined, according to the exact Rules of Equity and Conscience, by mitigating the Rigour of the Common Law. See CHANCERY.

Æquitas fequitur Legem, is an old Maxim in Law, but from the great Increase of Suits in Chancery, some have thought fit to give it this Conffruction, That in all Causes after a Man has been at Law, he must go into Equity.

EQUIVALENT, is understood of something that is equal in Value, Force, or Effect to another. See Equa-

Equivalence is of various Kinds, in Propositions, in

Terms, and in Things.

Equivalent Terms are, where several Words that differ in Sound, have yet but one and the same Signification; as Every Body was there, and no Body was absent; Nihil non and omne.

Equivalence in Things, is either moral, physical, or statical. Moral, as when we say, that the commanding or advising a Murther, is a Guilt Equivalent to that of the Murtherer: Physical, as when a Man, who has the Strength of two Men, is faid to be Equivalent to two: And Statical, whereby a less Weight becomes of equal Force with a greater, by having its Diffance, or the like,

EQUIVOCAL, Equivoque, is applied to an Expreffion that is dubious and ambiguous; or that may have feveral Senses, one true, and another false. See Equivo-

EQUIVOCAL, EQUIVOCUM, EQUIVOQUE, in Logic, by the Greeks call'd Homonymum, is any Word which under one Sense exhibits several Idea's, or is adapted to different

As the Word Emperor, which is both the Name of a Dignity, the proper Name of a Person, and the Name of a Plant. So also the Latin Gallus, which stands indiste-

rently for a Cock, and a Frenchman.

In which Cases one Word denotes divers Conceptions, one Word divers Things. Whence that common Definition of Equivocal in the School, quorum nomen est commune, Ratio vero Essentiæ secundum illud Nomen diversa.

The Philosophers have diffinguished Equivocals, into Active and Passive; or into Equivoca, Equivocantia, and

Equivocata. Equivoca Equivocantia, or those that denominate and takes away the Obligation of the Law in some particular fignify Things, are Words common to several Things in a Case; whereas a Correction does not take away any Thing very different Signification, i. e. to several Things which have a fimilar Effence, correspondent to the fimilar Denomina-

Equivoca Equivocata, or those that are called, or denominated; are the Things fignified by ambiguous Names, e. gr. a Sign, a Mountain, and an Animal. Which last Species of Equivocals alone, Aristotle seems to have had in View in his Definition, which agrees to these, and these only

EQUIVOCATION, the using a Term, or Expression, that has a double Signification. See Equivocat.

Equivocations are Expedients to save telling the Truth,

Equivocations are Expedients to fave telling the Truth, and yet without telling a Lye for the Matter. The Fathers are great Patrons of Equivocations, and mental Refervations; holding, that the Use of such Shifts, and Ambiguities, is in many Cases allowable.

St. Augustin, particularly, is reproach'd with endeavouring to vindicate Isaac for saving his Wife from a Crime, by an Equivocation: Tacuit aliquid veri, & non dixit aliquid falsi. To advance a dubious Proposition, knowing it will be understood in a Sense different from that you give it in your Mind, is an Equivocation. in Breach of give it in your Mind, is an Equivocation, in Breach of good Faith and Sincerity. See TRUTH, FALSHOOD, &c.

EQUIVOCATION, or EQUIVOCAL, in Moral Theology, is frielly underflood of a Term, or Phrase, with two different Significations: the one common and obvious the constant.

Significations; the one common, and obvious; the other more unufual, and remote; the latter of which being underflood by the Speaker, but the former by the Hearers, they conceive fomething different from one another.

Of this we have an Instance in St. John, Chap. II. where our Saviour is represented as saying, Lazarus sleepeth: For the Disciples taking the Word Sleeping in the usual Signification, concluded that Lazarus, whom they had been told was sick, began to take Rest, and would soon recover; but Jesus, taking the Words in a less, direct and usual Signification, meant that Lazarus, was rect, and usual Signification, meant that Lazarus was dead.

dead.

When the Equivoque confifts of feveral Words, 'tis properly call'd an Amphibology: Of which we have an Instance in St. Fohn, Chap. 2. Deftroy this Temple, fays Jesus Christ, speaking to the Jews, and I will raise it again in three Days.

The Use of Equivoques has been greatly disputed among the modern Casuists: Many grave Authors deny that it is allowable to use them on any Occasion whatever. Their Reason is, that an Equivoque is to all Intents and Purposes the same with a Lye. See Falshood.

Others, on the contrary, particularly Cabussot, a Divine samous among the Priests of the Oratory, hold a World of Difference between an Equivocation and a Lye; maintaining that it is ever criminal to use a Lye; but that there are some Occasions where an Equivocation may be used innocently: And such, in Effect, is the Sentiment of St. Thomas, St. Anthonin, St. Raymond, and especially St. Augustin, as Eas Cabussot. cently: And luch, in Effect, is the Sentiment of St. I homas, St. Anthonin, St. Raymond, and especially St. Augustin, as Fa. Cabustot seems to have demonstrated. Lib. IV. Theor. de Prax. Jur. Can. Edit. Ingd. 1685. Cap. 4.

Equivocal Generation, is a Method of producing Animals and Plants, not by the usual Way of Coition between Male and Female, but I know not what plastic Power, or Virtue in the Sun, &c. See Generation.

Thus Inserts Maggots Flies Spiders, Frogs. &c. have

Thus Infects, Maggots, Flies, Spiders, Frogs, &c. have usually been supposed to be produced by Equivocal Generation, i. e. by the Heat of the Sun warming, agitating and impregnating the Dust, Earth, Mud, and putrified Parts

of Animals.

This Method of Generation, which we also call fpontaneous, was commonly afferted and believed among the antient Philosophers: But the Moderns, from more and better Observations, unanimously reject it, and hold that all Animals, nay and Vegetables too, are *Univocally* produced, that is, by Parent Animals, and Vegetables of the same Species and Denomination. See Univocal General

ration.

'Twere a Thing one would imagine fufficient to difcredit the Aristotelian, or rather the Egyptian Doctrine of Equivocal Generation, to see Flies, Frogs, Lice, &c. of Equivocal Generation, to see Flies, Frogs, Lice, &c. to be Male and Female; and accordingly to engender,

to be Male and Female; and accordingly to engender, lay Eggs, &c.

To imagine that any of those Creatures could be spontaneously produced, especially in so romantic a Manner, as in the Clouds, as they particularly thought the Frogs were, and that they dropp'd down in Showers of Rain, were, certainly, highly unphilosophical.

Yet some, even to this Day, credit the raining of Frogs; and, among the rest, the very curious and learned Dr. Lister, seems inclined to the Opinion: Instancing in Frogs, found on the Leads of the Lord Associated at Tixal in Staffordshire, which he imagines came there at Tixal in Staffordshire, which he imagines came there by some such Means. But we may make a Judgment of this, and a hundred the like Reports to be met with

tion. E. gr. The Word Taurus, which stands for a Sign, a Mountain, and an Animal; and in one fignifies a lowing Animal; in another, a Heap of Stones and Earth; and in the third, a Contellation, or System of Stars.

Environment Formists are called or do Descit for well B.

that have been better inquired into. Such are feveral Reports of the raining of Millet-feed, Wheat, Whitings, &c. An Account of which, with the Grounds of the Deceit, fee under RAIN and SHOWER.

The Doctrine of Equivocal Generation we call an Egyptian Doctrine, as having, in all Probability, had its Rife in Egypt, to falve the Hypothefis of the Original Production of Men, and other Animals, out of the Earth, by Help of the Sun's Heat. To prove which, the Egyptians, as Diodorus Siculus observes, produce this Observatians, as Diodorus Siculus observes, produce this Observa-tion; that about Thebes, when the Earth is moissen'd by the Nile, and afterwards impregnated by the intense Heat of the Solar Rays, an innumerable Swarm of Mice do come forth: Whence he infers, that all Kinds of Animals might equally have arose out of the Earth at the Beginning of Things. And from these, Bishop Stillingsteet takes the other Writers and Adherents, to the Doctrine of Equivocal Generation, Mela, Pliny, Ovid, &c. to have

borrow'd the Hypothesis, without enquiring into its Truth. Derham's Phys. Theol. Lib. IV. C. 15.

EQUULEUS, among the Antients, was an Instrument of Torture, or Punishment; being a Kind of Wooden-Horse, made with very sharp Ridge, or Back, widening much in its Descent. See Punishment.

The Criminal being seated on the Ridge, Weights were hung to his Feet, to make his Seat more painful.

hung to his Feet, to make his Seat more painful.

This Punishment is still retain'd in Cittadels and Ar-

mies; where the Soldiers of the Garrison, Sc. are condemn'd to the Wooden-Horse, for divers Offences.

Hieronymus Magius, when a Prisoner among the Turks, wrote an express Treatise de Equuleo; and another of Bells; merely, as 'tis said, from his Memory, without any Assistance of Book. Sigonius has another Treatise on the fame Subject.

Equuleus, in Astronomy, a Constellation of the Nor-

thern Hemisphere. See Constellation.

The Stars in the Constellation Equaleus, in Ptolomy's Catalogue are 4; in Tycho's 4; in Mr. Flamsteed Cata-

logue 10.
The Longitudes, Latitudes, Magnitudes, &c. whereof are as follows.

Stars in the Constellation Equuleus.

	La				
Sign	Long	it.	Latitu	de.	Magnit
	0 '	"	0 '	"	
200	14 12	57	20 32	56	5
	15 59	37	23 02	36	6
	16 02	30	21 16	01	6
1	16 25	37	21 38	31	6
	19 06	24	25 13	12	4
	19 07	07	25 06	52	6
	20 07	30	24 46	57	4
-	18 47	48	20 09	69	4
	20 51	05	21 42	53	6
222	121 07	02	21 03	06	4
		19 07	19 07 07	19 07 07 25 06	Longit. North.  o , " o , " o , "  14 12 57 20 32 56 15 59 37 23 02 36 16 02 30 21 16 01 16 25 37 21 38 31 19 06 24 25 13 12  19 07 07 25 06 52 20 07 30 24 46 57 18 47 48 20 09 69 20 51 05 21 42 53  xx 21 07 02 21 03 06

EQUULEUS, in the Arts and Manafactures. See Horse. ERADICATIVE, in Medicine. An Eradicative Cure is that which takes away the Caufe, or Root of the Diftemper; in which Sense it stands opposed to palliative; which relieves for a Time, but not going to the Caufe of the Disorder, does not prevent its Return. See Cure.

The Word is a Compound of e out, and radix Root.

ERANARCHA, a publick Officer among the ancient Greeks, whose Business was to preside over, and direct the Alms and Provisions made for the Poor.

The Eranarcha was properly the Administrator, or Commissioner of the Poor: When any Person was reduced to Poverty, taken Captive, or had a Daughter to marry, which he could not effect for Want of Money, &c. this Officer call'd an Assembly of Friends and Neighbours, and taxed each according to his Means and Estate, to contribute towards his Relief. This is what we learn from Corn.

Nepos, in his Life of Epaminondas.

The Word is form'd of the Greek segvos, Alms, Con-

The Word is form'd of the Greek segros, Alms, Contribution, and aggi, Command.

ERASED, in Heraldry, expresses any Thing violently torn off from its proper Place.

It is used in Contra-distinction to Couped, which signifies a Thing clean cut off. The Family of Card bears Ermine, a demy Lion rampant erased, Azure, &c.

ERASTIANS, a religious Sect, or Faction, that arose in England during the Time of the Civil Wars.

They were thus call'd from their Leader Tho. Erastus; whose distinguishing Doctrine it was, that the Church had no Right to discipline, that is, no regular Power to excommunicate, exclude, censure, absolve, decree, or the like. ERECT,

ERECT Flowers, are such as grow upright, without hanging or reclining the Head. See FLOWER.

ERECT Vision. See Vision.

ERECT {Direct Declining, &c.} Dials. See DIAL.

ERECTION, the Act of raising, or elevating a Thing,

in a right Line. See ELEVATION.

The Erecting a Perpendicular on a Line given, is a popular Problem in Geometry. See Perpendicular.

The Term is also used figuratively: As, the Erection

of a Marquisate into a Dutchy; Bishopricks can only be Erected by the King. It was antiently the Practice to erect Statues to great Men. See Statue.

Cato, the Censor, being ask'd why a Statue was not Erected him? I had rether form he had been the Question.

Erected him? I had rather, fays he, hear the Question made, than hear it ask'd why a Statue was Erected me.

ERECTION, is particularly used in Medicine, for the State of the Penis, when swell'd, and distended by the Action of the Muscles, call'd Erectors, or Erectores. See

Penis and Erector.

There is also an Erection of the Clitoris, perform'd by Muscles provided for that Purpose. See Clitoris, &c.

An Alternation of Erection, and Flaccidity in the Penis, Dr. Drake observes, is of absolute Necessity: The first to the Performance of its Office; the second for the Security of the Part. Without an Exestion it were imposfible to emit and lodge the Seed where it ought to be; and with a constant one, almost as impossible to secure the Part from external Injuries. — To say nothing of the Lofs of Instigation, which must be a necessary Consequence

of constant Erection. See PRIASPISMUS.

The Erection of the Penis, consists in a Distention of its Corpora Cavernosa, by an extraordinary Quantity of Blood pent up therein. See CAVERNOSA.

That the Blood is the Matter which distends the Penis in Erection, is evident from Abundance of Experiments; tho' the most convincing is that of firmly tying the Penis of an Animal (as has been frequently done to a Dog) in Coitu; wherein, nothing has been found but Blood to distend it. Hence, in the Bodies of Criminals, that hang long after Death, the Penis becomes erected; the Blood, in that Position, falling to the inferior Parts, and

stopping there.

By blowing into the Blood Vessels after Death, the Penis becomes Erected. This was first discovered by Mr. Cowper, upon viewing its Veins, after he had distended 'em with Wind; whence it plainly appear'd, that the external Trunks pass'd, some under its Skin only, and some over the Osa pubis: Beside, that a vast Number of other Veins on the Dorsum penis, unite and empty themselves into one Trunk, call'd Vena penis, which passes immediately under a transverse Ligament of the Ossa pubis, which is compress'd by the Approximation of the Dorsum penis, to the Ligament of the Pubis. This Application of the Dorsum penis is effected by its Musculi Directores, pulling down the Crura of the Corpora Cavernosa Penis, which are tied up at their Juncture in the Body of the Penis, to the Os pubis, by the Ligamentum Suspensorium. Now, this cannot happen to the cavernous Body of the Urethra, by Reason there is no Bone, whose Position can give Rife to a Ligament, which can have that Effect on its Veins: Wherefore, the Musculi Accelatores, embracing the Veins of the Bulb do that Office, tho' not so effectually as in the Penis it felf.

Accordingly, the Glans is not always perfectly diffended with the Penis, and foonest becomes flaccid on an Erection. See GLANS.

The Blood, by fuch Means, being precluded from its Return, the Corpora Cavernosa must of Necessity become diffended, if we confider their Structure above-mentioned, with Respect to the Veins. The Arteries, which before were flaccid, have now their Trunks also diffended, and do more plentifully import Blood into the Corpora Cavernosa.

But fince it is absolutely necessary some Part of the detain'd Blood should be still passing off, lest it become grumous, and unfit for a Reflux; the Venæ preputii communicate with those of the Penis it seif; whereby Part of the Blood may be return'd from the Penis during its Erection, and give Way to a fresh Supply from the Arteries, and preserve the Circulation uninterrupted. See

CIRCULATION.

ERECTOR Clitoridis, in Anatomy, a Pair of Muscles arising from the Protuberances of the Ischium, and inserted into the spongious Bodies of the Chitoris; which they serve to erect in Coition. See CLITORIS.

ERECTOR Penis, a Pair of Muscles arising fleshy from the Protuberances of the Ischium, below the Beginning of the cavernous Bodies of the Yard, into whose thick Membranes they are inferted.

Their Use is to pull the Yard towards the Os pubis, whereby its greatest Vein is compress'd, and the refluent Blood denied its Passage under those Bones; which makes it fwell. See ERECTION.

EREMITE. See HERMIT.

ERICTHONIUS, in Aftronomy, a Confiellation, the fame as Auriga. See Auriga. ERIDANUS, in Aftronomy, a Confiellation of the Sou-

thern Hemisphere. See Constellation.

The Stars in the Confellation Eridanus, in Ptolomy's Catalogue are 30: In Tycho's 19: In Mr. Flamfteed's 68: The Longitudes, Latitudes, Magnitudes, &c. whereof are as

Stars in the Constellation ERIDANUS.

Names and Situations of the Stars.	Sign.	Lo	ngi	t.		itu		Magnit.
First from the Turn of the River to the Breast of Cetus.) A Second. First in the River before the Breast of Cetus.)	8	28 4 28	17 24 40	50	35 24 38	46 32 33 43 42	44 38 48	4 4 3
5	2	28	50	23	28	2.2	16	67
Preced. Middle. Second before the Breast of Cetus.	Q	7 6 6	3 I 02 26	58	19 23 23	10 45 54	5 <sup>2</sup> 20 37	6
Third of those following Turn of Riv. Inform. within the last Sinus. Third before the Breast of Cetus.		0 9 9	11 29 35	00 14 25 13 42	44 25 26	45 57 19	22	6
Found 1 1: 1.1 The Galactic					1			
Fourth behind the Turn of the River.  Fourth before the Breast of Cetus.  Fifth behind the Turn.  Preced. of two Informes over the Riv.		14	30 35 51	03 20 20 32 24	23 27 39	22 46 28	30	4 5 3 4
Fifth before the Breast of Cetus,		19	II	57 37 56 36 50	120	27	17	5
Subfeq. and more South. Sixth behind the Turn. More South. but contiguous to this,		16	37 04 00 18	28 15 52 16	3 I 4 I 4 2	09 53 34	15 09 32	4 4 6
Subfeq. Inform. over the River. Eighth behind the Turn. In the fecond Bend of the River.	Υ	14	31		43	45 40	43	4 5 5 3
Ninth beyond the Turn.		16	38	37	43	30	44	4
North. of two beyond the first Bend. Next before the second Bend. South. beyond the first Bend. Preced. of two beyond the 2 d Bend		25 25 26	05	51 50 45	27 30 28	30 57	28	3 4
Preced. in the first Bend. Subfeq. beyond the second Bend.	П	20 I I	53	47 13 15 24 38	54 20 21	33	15 27 53	5 6 5 6
45		1		50	1	24	50	5
Subseq. in the first Bend.				31			52	
North.in the 2d Bend toward the West Small one contiguous to the Subseq 50 (in the 1st Bend	. П	25	35	35 20 03	150	54	06	5 6
South, in the fecond Bend,	A H		32	21	51	51	01	3 4
		3	33	41 10 58	30	25 49	03	3 4
Preced. before the first Bend.		3	36	38	38	27	49	56
Middle before the first Bend,				47		50	40	5
Small one contiguous to it.		17	59	46 51 00	32	49	13	6
Subseq. before the first Bend. That next the Rise of the River.		10	53 41	18	29	16	30 56	6
North, in the Rife of the River to wards Orion's Leg.) South in the Rife of the River,		II	15	20 23 55	127	17	50	6
Zi z *							-	Likkin

ERIGENS Penis. See ERECTOR Penis.

A A A A A \* \* \* \* A 1 A

ERMINE, in Heraldry, a white Field, or Fur, powder'd, or interspersed with black

Spots. See Fur.

It is supposed to represent the Skin of an Animal, of the same Denomination; which some will have a Water Rat, others a Mustela, or Sort of Weazle, and others an Armenian Mouse. In Effect, there is no

Animal whose Skin naturally corresponds to the Herald's

The Animal is Milk white; and fo far is it from Spots, that the Tradition has it, he will rather die, or be taken, than fully its Whiteness. Whence its symbolical Use.

But white Skins having for many Ages been used for the Linings of the Robes of Magistrates, and great Men; the Furriers, at length, to add to their Beauty, used to sew Bits of the black Tails of those Creatures upon the white Skins; to render them the more conspicuous. Which Alter-Skins; to render them the more conspicuous. Which Alte-

ration was introduced into Armoury.

The Sable Spots in *Ermine* are not of any determinate Number, but may be more or less, at the Pleasure of the

Painter or Furrier.



ERMINES, is used by some English Writers for the Reverse of Ermine, i. e. for white Spots on a black Field; but on what Foundation no body can tell; for the French, from whom we have our Heraldry, have no fuch Term; but call this black powder'd with white, Contre Ermine; as denoting the Counter, or Reverse of Ermine; which is white powder'd with black.



ERMINEE. A Cross Erminee, is a Cross composed of four Ermine Spots, placed in that Figure. See Cross.

It must be observ'd, that the Colours in such Arms are not to be express'd; by reason, neither the Crofs, nor the Arms, can be of any Colour but white and black.

any Colour but white and black.

Colombiere blazons it quatre queues de'Hermine en Croix. The Editor of Guillin describes it thus; A Cross of four Ermines; or, as I think more properly, of four Ermine Spots in Cross. 'Tis the Coat of Hurston in Cheshire. ERMINITES, shou'd seem a diminutive of Ermines, and naturally to fignishe little Ermines; but 'tis otherwise. Erminites expresses a white Field pouder'd with black; only every Spot has a little red Hair therein.

Some Authors use the Word Erminites, for a yellow Field pouder'd with black; which the French express much better by or semée d'Ermines de Sable.

EROSION, in Medicine, the Act of sharp, acid Fluids, or Humors, gnawing and tearing off Parts from the Flesh, and other Substances. Arsenic, and other Poisons, make Erosions in the Intestines. See Corrosion.

EROTIC, is applied to any Thing which has a Relation to the Passion of Love. See Passion.

In Medicine, we particularly use the Phrase Delirium Eroticum, for a Kind of Melancholy contracted thro' Excess of Love. See Melancholy.

Tho', among the several Species of Pulses, there be no amorous Pulse that is no Pulse peculiar to that Passion.

Tho', among the feveral Species of Pulses, there be no amorous Pulse, that is, no Pulse peculiar to that Passion; yet we can certainly discover where the Disorder is *Erotic*, by the beating of the Pulse, which, in that Case, is changeable, unequal, turbulent and irregular. Speak to the Patient of the Person he loves, and his Pulse instantly changes, becoming higher and quicker: And the Minute you change the Conversation, the Pulse is lost again, and is disturb'd a-new. See Pulse. See Pulse.

The Word is derived from the Greek, Love; whence

egwinds.

ERRANT, in Law, the fame with *Itinerant*, attributed to Judges that go the Circuit: To Bayliffs at large, &c.

See Justice, Bailiff, &c.
ERRATA, a Lift at the Beginning or End of a Book, containing the Faults that have escaped in the Impression, and, sometimes, even in the Composition, of the Work. See PRINTING.

Lindenberg has an express Differtation on Typographi-Lindenberg has an express Differtation on Typographical Errata, de Erroribus Typographicis; wherein he observes, that there is no Book exempt from em, not even the Sacred Books. He sets himself to enquire into all the Causes thereof; and proposes Means to prevent em. But he advances nothing on that Article, but what is either common or impracticable. The Authors, Compositors, and Correctors of the Press, he says, must do their Duty; who disputes it? Each Author must have his own Printing-Press at Home, as Caliatus and Opitius had; who can do it? do it?

Fa. Hardouin's Book on Medals, might be entitled the Errata of the Antiquaries; and the Critiques on History by Perizonius, the Errata of the ancient Historians.

In the same Sense, M. Bayle's Dictionary might be call'd the Errata of Moreri.

ERRATIC, in Aftronomy, an Epithet applied to the Planets, which are call'd *Erratic*, or wandering Stars, in Contra-diffinction to the fix'd Stars. See Planet.

There is also a Kind of Fever call'd Erratic.

ERRHINA, ERRHINES, in Medicine, are Remedies taken by the Nose, to enliven the Spirits, stop Bleeding, &c. but principally to purge the Humidities of the Head. Of these, some are taken in Powders, as Betony, Tobacco, Marjoram, Iris, white Hellebore, Euphorbium, &c.

Others in a liquid Form, made of the Juice of Marjoram, Saga Rest Cyclemen, Iris &s.

ram, Sage, Beet, Cyclamen, Iris, &c.
Others in Form of Liniments, incorporated with Un-

guent. Rosat.

Others, folid, form'd like Pyramids, to stop Bleeding at the Nose; composed of Armenian Bole, Terra sigillata, Mastic, human or Hogs-Blood dried, &c.

Such Errhina as are dry, and made up in Powders, are properly call'd Sternutatories. The Moderns fometimes call em Caput purgia. See STERNUTATORY.

The Word is derived from er, in, and eis, Nose.

ERROUR, or ERROR, a Mistake of the Mind, in giving Affent to a Thing or Proposition which is not true.

Some Philosophers define Error an Act of the Mind, whereby Things that should be joyn'd, are separated; or, Things that should be separated, are joyn'd: Or a wrong Judgment, disagreeing with the Things whereon it is pass'd. See JUDGMENT.

Error stands in Opposition to Truth, which confiss in an Agreement between the Proposition, and the Thing whereof it is affirmed or derived. See TRUTH.

However, a bare Failure, or Non-attainment of Truth, does not constitute Error; that being common both to Ignorance and Doubting. See IGNORANCE and DOUBT-

Error only stands distinguished from Falsehood, in that the former is in the Mind, and the latter in the Proposition.

See FALSEHOOD.

The great Origin of all *Error*, i. e. of believing that to be true, which is false, is a *Liberty*, or Power in the human Mind, of giving its Assent to Idea's or Propositions, that are obscure, as if they were perspicuous and plain. See LIBERTY.

Particular Causes of Error are, 1°. An Inadvertency, or Negligence, in passing Judgment, without using or attending to the Means proper to assist the Judgment. As if a Person should attempt to judge of the Height of the Pole, without proper Instruments, or Observations: Or determine about Nations without knowing their History.

2°. Ignorance, in not having informed the Understanding by Study and Application; or furnish'd it with the Idea's that have an immediate Relation to the Matter in hand.

3°. Impatience of the Labour and Fatigue, of going thro' a long Chain of Reafons and Arguments; or of waiting for a necessary Number of Experiments: with a Fondness for the Opinion of being knowing; and a Prejudice for, or against, some particular Person, Sect, &c.

4°. The fallacious Rules of Probability, and Opinion.

See PROBABILITY and OPINION.

5°. Interest, which makes us incline to believe those Things true, from which we are like to derive Advantage.

6. Authority: Education: and vulgarly receiv'd Opinions, imbibed ere we were qualified for judging. See FAITH. Against all which, there is this one general Rule or Caution laid down, by Fa. Mallebranch and others, viz. Never to give our full Affent to any Proposition, unless the Evidence for it be so strong, as that we can no longer with-hold it, without incurring the secret Reproaches of

our own Reason.

Mr. Lock reduces the Causes of all our Errors to these four, viz. 1°. Want of Proofs. 2°. Want of Ability to use 'em. 3°. Want of Will to use 'em. And, 4°. Wrong Measures of Probability.

F. Mallebranch confiders five Occasional Causes of Error, or rather five different Kinds of Errors, accommodated to the different Manners we have of perceiving Things. 1°. Errors of Sense. 2°. Of the Imagination. 3°. Of the Understanding. 4°. Of our Inclinations. And 5°. Of the Understanding. 4°. Of our Inclinations. And 5°. Of the Passions. See Sense, Imagination, Understanding, Inclination, and Passion.

ERROUR, in Law, is generally understood of a Fault, or Overfight, either in Pleading, or in Process: Upon either of which is brought a Writ, by way of Remedy; call'd a Writ of Error; and in Latin, de Errore Corrigendo. See WRIT.

Fitzherbert defines a Writ of Error to be, that which lies to redress false Judgment given in any Court of Re-

There is also a Writ of Error for reverfing a Fine, &c. ERUCTATION, Belching, the same as Ructation. See

ERUDITION, Learning, or Knowledge; and chiefly

that of Antiquity. See LEARNING.

The Scaligers were Men of deep Erudition: The Writings of Mon. Launoy, a Priest of the Oratory, are full of Erudition.

Mr. Lock says, 'tis of more Use to fill the Head with Ressections, than with Remarks of Erudition. If the Mind be not just and right, Ignorance is better than Erudition, which only produces Consuson and Obscurity: St. Evremond. M. Balzac calls a Heap of Erudition illustrates the Lyanger of Arriginity. chosen, the Luggage of Antiquity.

ERUGINOUS, or ÆRUGINOUS, some Thing partaking of, or like to the Rust of Brass, or Copper. See Rust

and ÆRUGO.

ERUPTION, a burfting forth, or Exclusion of some-

thing before cover'd, or conceal'd.

The Eruption of Puftles in the Small-Pox, ordinarily begins on the 4th Day. See Small Pox.

In the Inoculated Kind, the Eruption does not begin till

the 9th Day. See INOCULATION.

The Eruption of Vulcano's, or Burning Mountains, is frequently the Effect, and Issue, of Earthquakes. See Vul-

CANO and EARTHQUAKE.

The Eruptions of Mount Etna, and Vefuvius, are ob-ferved to be somewhat periodical: They are of two Kinds; the one less violent, happening once in 2 or 3 Months, and lasting usually three or four Days, without much Damage to the adjacent Country.

The other more furious, and of longer Continuance, happening to Mount Vefuvius about once in 80 Years. The last, in 1632, was fo violent, that, by the best of his [S. Peccacio's] Observations, it cast the Rocks three Miles into the Air. Mr. Hartop in Philosoph. Transact. No. 202.

M. Oldenbourg gives us an Historical Account of the feveral Eruptions of Mount Etna, recorded in Authors. The first whereof we have any credible Account, was at the Time of the Expedition of *Eneas*, described by *Virgil*, *Eneid. Lib.* III. The 2d, described by *Thucydides*, was 476 Years before *Christ*: In the Time of *Roman* Consuls there were 4: Another in *Cæsar*'s Time, so fierce, that Diodorus affures us, the Ships near the Island of Lipara were burnt with the extreme Heat of the Water: Another under Caligula: Another at the Time of the Martyrdom of St. Agatha, faid to have been stopp'd at her Interceffion: Another in the Year 812: Several between the Years 1160 and 1169: Others in 1284, 1329, 1408, 1444, 1536, 1633, 1650. Phil. Transact. N°.48.

Another extraordinary Eruption happen'd in 1669, particularly described in the same Transactions, No. 51. It was preceded for the Space of 18 Days, with a dark thick Sky, Thunder, Lightning, and frequent Concustions of the Earth: The Place of the Eruption was 20 Miles from

the old Mouth.

The Matter here yielded, was a Stream, or River of Metals and Minerals, render'd liquid by the Fierceness of the Fire, and boiling up, and gushing forth, as Water does at the Head of some great River; till, having run in a full Body for a Stone's Cast, or more, the Extremity thereof began to crust and curdle, and turn'd, when cold, into hard, porous Stones, call'd Sciarri, as refembling huge Cakes of Sea-Coal, full of a fierce Fire. These came rolling and tumbling over one another, and where they met a Bank, Wall, Building, &c. would fill up, and swell over; by their Weight bearing down any common Building, and burning up what was combustible. The Progress of this Inundation was at the Rate of a Furlong a Day; which it continued for 15 or 20 Days; running, at first, into the Sea, but afterwards into the City of Catania; in its Course, it overwhelm'd 14 Towns and Villages, containing three or four thousand Inhabitants. The Noise of the Eruption at the Mouth was heard 60 Miles.

Dr. St. Clair, in the Philosop. Transact. gives an Account of a constant Eruption of Fire, on one Side of one of the Appenines, between Bologna and Florence: A Spot of Ground 3 or 4 Miles in Diameter, he observes, incessantly fends up a Flame, rifing very high, without Noise, Smoak, or Smell; tho' it gives a very great Heat. In great Rains it sometimes intermits, but re-kindles with greater Vigour and Heat. Within 3 or 4 Yards of it, he adds, there grows Corn. The Flame he conjectures to arise from a Vein of Bitumen, or Naphtha. There are three other such Fires on

the fame Hills.

ERYSIPELAS, in Medicine, call'd also Sacer Ignis, See Eschar. and St. Anthony's Fire, a Disease of the Skin.

Such are the

Its Seat is any Part of the Body, but principally the Face: It shews it self in a ruddy Inflammation of the Part, with

cord, having Power by Charter, or Prescription to hold a little Swelling of the same; an intense Pain, and a Croud Plea of Debt or Trespass of above xx Sh. of little Pustles, which, as the Inflammation increases, grow into Vesiculæ. See SKIN.

The Disease spreads it self a-pace; shifting from one Place to another, with a Fever attending it. It attacks the Patient all at once, and chiefly when out in the Air; whence the Country People call it blafting, Sideratio.

Dr. Quincy accounts for the Erysipelas, from a too fizy Blood, which obstructing the Capillaries, occasions Instammations: Others, from a too sharp and bilious Blood, which, on Account of its great Subtilty, occasions no fenfible Tumor; but spreads, or diffuses it self in Length and Breadth. Its Colour, tho' red, generally inclines towards a yellow, on Account of the Mixture of Bile; and always the more of the Bile, the more dangerous the Disease.

There is another Species of Erysipelas, tho' less usual than the former; most commonly arising from a too copious drinking of spirituous Liquors. It begins with a Fever, atter which there is an universal Eruption of Pustles, almost over the whole Body, much like those after the stinging of Nettles, and fometimes rifing into Vesicula. At going off, they leave an intolerable Itching, and as often as fcratch'd return again.

Etmuller gives it as the distinguishing Character of an Erysipelas, that when press'd very lightly by the Finger, there follows a white Spot, which presently after becomes red again; which does not happen in an ordinary Inflammation, unless when violently press'd. Scorbutic People are

most subject to this Disease.

"Tis disputed, whether Purging be good in the Erysipelas: Sydenham recommends it the next Day after Bleeding. Etmuller cautions us against 'em both; and recommends Diaphoreticks. Dr. Friend observes, that in the last Stage of an Erysipelas of the Head, attended with a Coma, Delirium, &c. unless Catharticks will do good, the Case is desperate. All unctuous, aftringent, and cold Applications, externally, are dangerous, and sometimes make the Erysipelas degenerate into a Gangrene.

The Word is form'd of the Greek, epuen, trahere, to draw; and mas, prope, by reason it withdraws it self towards the Skin: Whence Galen calls it the Passio Cutis. towards the Skin: Whence Galen calls it the Passio Cutis.

The Erysipelas is either simple, or attended with an

ERYTHROIDES, in Anatomy, the first of the proper Membranes that inclose the Testicles. See Testicle. It is interspersed with sleshy Fibres, derived to it from

the Cremaster Muscle, which make it appear reddish.

And whence its Name from the Greek, spudeis, red, and eidos, form.

ESCALADE, or SCALADE, a furious Attack upon a Wall, or a Rampart; carried on with Ladders, to mount by; without proceeding in Form, breaking Ground, or carrying on Works to fecure the Men. See SCALADE.

ESCALOP-Shells, a frequent bearing in Coat Armour; proper, fay our Heralds, for fuch as have diffinguish'd themselves by Naval Exploits. Azure, three Escalop-Shells Or, by the Name of Mallet.

ESCAMBIO, was anciently a License granted any one for the making over a Bill of Exchange to another beyond Sea. See Exchange.

For, by Stat. 5 Rich. II. no Person might exchange, or return Money beyond Sea, without the King's License. ESCAPE, in Law, is either voluntary, or negligent.

Voluntary, is when one arrests another for Felony, or other Crime, and afterwards lets him go; in which Escape, the Party that permits it, is by Law guilty of the Fault, committed by the Person who Escapes; be it Felony, Treason, or Trespass.

Negligent Escape is, when one is arrested, and afterwards Escapes against his Will that arrested him; and is not pursued by fresh Suit, and taken again, before the

Party pursued hath lost Sight of him.

ESCARTELE', in Heraldry, Quarter'd, or Quarterly.
See QUARTER'D, &c.

ESCHAR, in Chirurgery, a hard Crust, or Scab, form'd on the Flesh, by means of a hot Iron, or a Caustic Medicine, or fome sharp, corrosive Humour within.

The Caustic Stone, or Lapis Infernalis, produces a round Eschar in the Place where it has burnt. See ESCHARO-TIC, CAUSTIC, and CAUTERY.

The Word is derived from the Greek, coxica, Crust, or Scab. Some Authors derive it from es and raio, burn; but this comes with some Difficulty, by reason raio is wrote with a x; and erzáez with a x.

ESCHAROTICKS, Medicines, which being applied externally, produce Eschars, or Scabs, by burning the Flesh.

Such are the Lapis Infernalis, red precipitate, &c. these are also call'd Causticks. See CAUSTIC. The Word is derived from the Greek 20 xdeg. See ESCHAR. ESCHEAT, ESCHEAT, in Law, fignifies any Lands, or other Profits, that fall to a Landlord within his Mannor, by way of Forfeiture, or the Death of his Tenant dying without Heir general or special, or leaving his Heir within Age, and unmarried.

The Civilians call fuch Forseitutes Bona Caduca; and in the same Sense as we say the Fee is Escheated, they

fay feudum aperitur.

The Word Escheata sometimes also signifies a lawful Inheritance descending on the Heir. But then, it is usually distinguished by the Addition of Resta, as Resta Esche-

ESCHEAT, is also used for the Place or Circuit within which the King, or other Lord, hath Escheats of his Tenants.

And sometimes for a Writ, lying where the Tenant having Estate of Fee Simple, in any Lands or Tenements holden of a superiour Lord, dies seiz'd, without Heir general, or special: In which Case, the Lord brings this Writ against him that possesses the Lands, after the Death of his Tenant; and thereby recovers the same in lieu of

ESCHEATOR, an Officer, who anciently took Care of the King's Escheats in the County, and certified them into the Exchequer, or Chancery. See ESCHEAT.

into the Exchequer, or Chancery. See Escheat.

He was appointed by the Lord Treasurer; held his Office only for one Year; nor cou'd any Person be Escheator above once in three Years. But this Office having its chief Dependance on the Court of Wards, is now out of Date.

ESCHEQUER. See EXCHEQUER.

ESCHEQUER. See EXCHEQUER.

ESCHEVIN, or ECHEVIN, in the French and Dutch
Polity; a Magistrate, elected by the Inhabitants of a City,
to take Care of their common Concerns, the good Order,

Conveniency, and Decoration of the City.

At Paris, there is a Prevot, and four Eschevins; in most other Cities, a Maire, or Mayor, and Eschevins.

In Languedoc, Province, and Dauphine, they are call'd Conjuls: At Toulouse, Capitouls: And Jurats at Bourdeaux.

Anciently, the Eschevins were Assessor, and Counsellors, of the Comites, or Judges of Cities: On which Account they were call'd in some Places, Pairs, Pares: They even took Cognisance of petty Causes themselves.

Du Cange observes, that the Judges, and their Affessors, who were chose by the Inhabitants, were call'd Scabini, Echevins, and their College, Scabinagium, or Eschevinage. He adds, that some Authors call 'em Paciurii, by reason their Office, and Invicion authors to the securing their Office and Jurisdiction extended to the securing Peace in their City and Banlieue, call'd Pax Ville.

The Eschevins are also frequently what the Ediles were at Rome, the Sheriffs at London, and the Magistrate call'd Potestas, in the petty Cities of Italy. The Greeks

call him afoegvous, &c.

In Holland, the Eschevins judges of all Civil Affairs at first Hand. They also take Cognizance of criminal Affairs, and if the Criminal confess himself guilty, they can see their Sentence executed without Appeal. They can even give the Torture.

The Number is not the fame in all Cities: At Am-

fterdam there are Nine, at Rotterdam Seven, &c.

ESCHRAKITES, or ESRAKITES, a Sect of Philofophers among the Mahometans, who adhere to the Doctrines

and Opinions of Plato.

The Eschrakites, or Mahometan Platonists, place their highest Good and Happiness in the Contemplation of the Divine Majesty; despising the gross Imaginations of the Alcoran touching Paradise.

They are very careful in avoiding Vice, preserve an equal and eafy Temper, love Music, and divert themselves with composing little Poems, or spiritual Songs.

The Scheies, or Priests, and the chief among the Preachage of the Imposing Massage are Estimation.

ers of the Imperial Mosques, are Eschrakites.

The Word is derived from the Arabic Scharaka, which in the Fourth Conjugation Aschraka, fignifies to shine, glitter like the Sun: So that Eschrakite seems to import Illumined.

ESCHYNOMENOUS Plants, are the fenfitive Plants; that is, fuch as upon approaching 'em shrink back, and contract their Leaves. See Sensitive Plant.

contract their Leaves. See Sensitive Plant.

ESCLAIRCISSEMENT, a French Term, which we fee retain'd in fome late English Writers.

The Word properly fignifies the Act, or Effect of clearing a Thing, or rendering it more bright and transparent; being form'd from the Verb Esclaircir, to clear, &c.

But it is chiefly used in a figurative Sense, for an Explication of an Obscurity, or Difficulty. Esclaircissement of the Dialogues of the Gods: The Esclaircissement of difficult Passages in the Bible, is only had from fimilar Passages, or Passages of the like Kind occurring in other Places. other Places.

ESCLATTE', in Heraldry, is applied to a Thing violently broke.

Thus a Bend, or other Partition, Esclatte, is represented torn, or broke off like a Piece of a ruin'd Wall; or rather, a Shield broke and shatter'd with the Stroke of a Battle

ESCORT, a French Term, fometimes used in English

Authors

An Escort is a Convoy, or Company of armed Men, attending some Person or Thing, in a Journey or Voyage, to defend or secure it from Insults. See Convoy.

A Supply was sent to the Camp before Arras, with an Escort of 1200 Men. In Times of War, Merchant Vessels seldom stir much abroad without an Escort of Men of War. People that travel in Turky, generally take Janissaries to Escort them.

After the Vistory, the General sent the Prisoners under

After the Victory, the General fent the Prisoners under a strong Escort into the neighbouring Towns. See Convoy. Some derive the Word from the Latin Cohors.

ESCOUADE, is usually the third Part of a Company of Foot. See COMPANY.

It is divided fo for mounting of Guards, and for the more convenient relieving one another: It is equivalent to a Brigade of a Troop of Horse. See BRIGADE. ESCRITOIRE. See SCRITOIRE.

ESCROL, or Scroll, in Heraldry, a long Slip, as it were, of Parchment, or Paper, whereon a Motto is placed.

Leigh observes, that no Person, under the Degree of a Knight, might, long after King Henry V, place his Crest on a Wreath, as is now usually done, but only on an

ESCU, or ECU, the French Crown, of 60 Sols, or 3 Livres. See Crown, Livre, &c. See also Coin.

The Escu was thus called by Reason the Escutcheon, or

Arms of France, which they call Escu, was struck thereon. See Shield, Helmet, Escutcheon.

ESCUAGE, or Scutage, an antient Kind of Knight's Service, call'd also Service of the Shield; the Tenant holding by which, was obliged to follow his Lord to the Scottish, or Welsh Wars, at his own Expence. See Capite. He who held a whole Knight's Fee, was bound to serve with Horse and Arms for 40 Days: And he who held

half a Knight's Fee, 20 Days. See Service.

The fame Term Escuage, is also used for a Sum of Mony, paid by such as held by this Tenure, when they neither attended the Wars, nor provided another in their Room.

Escuage, was also a reasonable Aid, demanded by the Lord of his Tenants, who held of him in Knight's Service.

Concesserunt Domino Regi ad Maritandam siliam suam de omnibus qui tenent de Domino Rege in Capite de singlis Scutis 20 solidos solvendos, Matth. Paris, Anno I242

ESCULENTS, are Plants for Food, as Artichokes, Carrots, Turnips, Parsnips, Cabbages, Collisowers, &c.

See PLANT, SALADE, &c.
ESCURIAL, by the Spaniards wrote Escorial, a
Term that occurs pretty frequently in our Gazettes, and
Journals of News.

Journals of News.

Escurial, is originally a little Village in Spain, situate in the Kingdom of Toledo, seven Leagues to the West of Madrid, and nine to the East of Avila; on the Side of a Chain of Mountains, call'd by some the Carpentain, or Carpentanian Mountains, and by others the Pyreneans; as being a Branch of the Pyranean Ridge.

Here, King Philip II. built a stately Monastery of the Order of St. Jerom; held by the Spaniards for one of the Wonders of the World; and call'd the Escurial.

Fa. Francisco de los Padros, in a Description thereof, entituled, Description breve del Monasteria de S. Lorenzo el real del Escorial, &c. assures us it was built by that Prince in Memory of the Battle of S. Quintin, gain'd on the Day of S. Lawrence, Lorenzo, a famous Spanish Saint, and at his Intercession. and at his Interceffion.

The King and Queen have their Appartments therein; the rest being possess'd by the Monks. Whence, many of the great Transactions of that Court, are dated from the Escurial.

It has a very fine Church, to which Philip IV. built a beautiful Chappel, call'd the Pantheon, wherein the Kings and Queens of Spain, who leave any Posterity, are Enterr'd. The rest being laid in another Vault of the same Church, together with the Infanta's and other Princes. See PANTHEON.

ESCUTCHEON, or Scutcheon, in Heraldry, the Shield, Coat, or Field, whereon the Bearing, or Arms of any Person is represented. See Shield, Coat of Arms, &c.

The Word Escutcheon is form'd of the French Escussion, and that from the Latin Scutum, Shield; which was what Arms were originally bore on, e're ever they came

on Banners; and still, wherever they are placed, 'tis on

something representing the Form of a Shield.

The Latin Scutum, no doubt, came originally from the Greek Scutos, Leather, wherewith the Shields were usually cover'd. See Shield.

On these Shields was always some particular Mark, Badge or Symbol painted: Which was the Original of Armoury. See Arms.

The Escutcheon is of a Square Figure, excepting for the Bottom Part, which is usually a little rounded, ending

with a Point in the middle.

Till within a few Hundred Years, the Escutcheons of the French and English were triangular: Those of the Spaniards, are still quite round at Bottom without any Point: Those of the Italians, are Oval: And those of the Germans, in Form of Cartouches.

The antient Escutcheons were generally couch'd, or inclined; and they only began to place them upright, when

Crowns, &c. were put over them by Way of Crest.

In France, Escussion, Escutcheon, was formerly restrained to a Shield, or Coat, pointed at Bottom; by which it was distinguished from the Escar which was quite Sauren. was distinguish'd from the Escu, which was quite Square, and was only allowed to be bore by the Counts and Viscounts. Those of inferior Quality were confined to

H F N

The Escussion, or pointed Escu.

The several Parts, and Points of the Escutcheon, have their several Names: The Point D, for Instance, is the Dexter chief Point; C the middle Chief; and S the sinister Chief Point: H is the Honour Point; F the Fesse Point; N the Nombril Point; d the Dexter Base, B the Middle, and s the Sinister Base Point.

The Escutcheon is diversely denominated, according to its Divisions. It is call'd dexter'd, when the perpendicular Line that divides it, is to the right of a third Part of the Escutcheon: Sinister'd, when on the left: Tierced in Pal, when it is double, and divides the whole Escutcheon into three equal Parts: Paled, when increas'd to the Number of fix, eight, or left. A Horizontal Line makes the Chief, when at one third Part from the Top: The Plein, when at a third from the Bottom: And when double, in the middle, at an equal Diffance from both Extremes, it makes the Fess, and the Tierced in Fess: When 'tis multiplied, it denominates it feffed: When there are 8, or 10 equal Spaces, Burrelle: A Diagonal from the Dexter of the Chief to the Sinister of the Point makes it tranche; the contrary, double. If it be doubled at equal Distances, the first makes bande, and the tierce in Bend; and the other barre, or tierce in Bar: Increasing the Number of the first makes bande and cottice; and increasing the standard of the first makes bande and cottice. fing that of the fecond, barre and traverse.



ESCUTCHEON of Pretence, is an Inescutcheon, or little Escutcheon, which a Man, who hath married an Heirefs, and hath Iffue by her, may bear over his own Coat of Arms; and in it the Arms of his Wife: and the furviving Issue will bear both Coats Quarterly. See PRETENSE.

ESCUTCHEON, and ESCUTCHEON-GRAFTING, in Gar-See ENGRAFTING.

ESPALIER, in the French Gardening, a Wall-Tree; or a Fruit-Tree which is not left to grow at Liberty in full Air, but has its Branches nail'd or fasten'd to a Wall, near which it is planted; and thus growing, it is made to conform it felf to the flat, tho' unnatural, Figure thereof. See WALL Tree.

ESPALIERS, in our Gardening, are Rows of Trees, planted in a curious Order round the Outside of a Garden, or Plantation, for the general Security thereof, from the Violence and Injury of the Winds; or elfe only round fome Part of a Garden, for the particular Security of a Plantation of Orange Trees, Lemon Trees, Myrtles, and other tender Plants; or, lastly, for the bounding of Borders, Walks, Avenues, &c. See GARDEN, &c.

the tender Plants, that lie within the Reach of the Repulsion. But these Espaliers serve to deaden the Violence of the Winds, so as the tender Greens, or Plants, encompassed by them, rest serves and quiet.

Thus, if the *Espaliers*, for Instance, be of Spruce Holly or Yew, they give Way to the Force of tempestuous Winds, beating against them, without occasioning any Resilition

Mess. London, and Wise, direct them to be planted at fome Distance, without the outmost Bounds, or Walls of Gardens, &c. Two, or three Rows of Trees, they think sufficient, from 18 or 20 to 25 Foot a-part. And as to the Method, or Order, of disposing the Trees, the most commodious is where the middle Row makes every where Equilateral Triangles with the extreme Rows, in the following Manner.

The Trees recommended for making, or planting, these Espalier Fences, are the Elm, Lime, Beech, Scotch Fir, Oak, Pine and Sycamores; but particularly the two first. For the Method of Planting 'em. See PLANTING, TRANS-

PLANTING, &c.

As for Espalier Hedges, or Hedge Rows, for Defence of tender Greens, and Plants from destructive Winds in the Summer Season: If there be Occasion to use them the first or second Year after they are planted; a substantial Frame of Wood must be made, seven or eight Foot high, with Posts and Posts. with Posts and Rails. And to this Espalier Frame, must the fide Boughs of the young Trees be tied, to cause the Espalier to thicken the sooner.

As to the Form of fuch an Espalier, it must be ob-

long, running North and South.

These Espairers may be planted of Apples, Pears, Holly,

Laurel, Lime, Maple, white-Thorn, Yew, &c.

To prevent the Disorders that might befal Espalier Fruit Trees when in Blossom, Mr. Bradley mentions a nursery Man at Brentford, who having most Sorts of Fruit in Espaliers, has portable Hedges made of Reeds in Frames, which he fets both at the Back, and Front of his Espaliers, as he sees Occasion.

ESPAULE, ESPAULEMENT, &c. in Fortification.

See Epaule, Epaulement, &c.

ESPLANADE, in Fortification, call'd also Glacis, a Part serving the Counterscarp, or cover'd Way, for a Parapet; being a Declivity, or Slope of Earth, commencing from the Top of the Counterscarp, and losing it felf insensibly in the Level of the Campaign. See GLACIS.

ESPLANADE, also fignifies the Ground which has been levell'd from the Glacis of the Counterscarp, to the first Houses; or the vacant Space between the Works and

the Houses of the Town.

The Term is also applied in the general for any Piece of Ground render'd flat or level, which before had some Eminence that incommoded the Place. See TALUT.

ESPOUSALS. See MARRIAGE.

ESQUADRILLE, See {QUADRIL. ESQUADRON, See {SQUADRON. ESQUINANCY, in Medicine, a Difease call'd also Angina, Squinancy, and popularly Quinzy. See Angina, SQUINANCY, &c.

ESQUIRE, a Title of Nobility, next below that of Knight, and above that of a fimple Gentleman.

Nobility, Knight, and Gentleman.

The Origin, both of the Name and the Thing, Esquire, is very dark and intricate: The English Denomination is confessedly borrowed from the French Escuyer; and that from the Latin Scutum, Shield, as some will have it; or as others, from Scutarius, or Scutiger, Shield-Bearer, or from

Scuria, Stable, or Equiso, Groom.
So many different Ideas of the Formation of the Word, have given rife to as many about their Office; unless, perhaps, the latter have given Occasion to the former.

Pasquier in his Recherches, L. II. C. 15. maintains the Title of Esquire, Escuyer, Scutarius, to be very antient. From the Time of the Declension of the Roman Empire, he observes, there were two extraordinary Kinds of Soldiery, in the Roman Army; the one call'd Gentiles, and the other Scutarii.

Ammian. Marcellin L. XIV. C. 7. and L. XVI. C. 4. speaks of these Scutarii as Men of redoubted Prowess; and even deem'd invincible. 'Tis added, that Julian the Espaliers are now come into mighty Use, with Respect to the first of these Intentions: In Effect, 'tis found by Experience, that the best Brick, or Stone Walls, are not of themselves sufficient Security to Fruit-Trees, from the Ravages of blighting Winds. See Wall.

The Reason may be, that being built close and compact, they repel the Winds, and by that Means damage the tender Plants, that lie within the Reach of the Re
The Reason may be, that lie within the Reach of the Re
Origin of Esquires Origin of Esquires.

Esquire, however, afterwards came to be used in a fomewhat different Sense; viz. for a Gentleman who attended a Knight in the Wars, and on other military Occasions; bearing the Shield, Scutum, before him: Whence Scutarius, Scutiger, or Scutifer; as also his Launce, and other Weapons: Whence his other Latin Appellation, usual

And

among us, Armiger, q. d. Armour-Bearer,

Aaa\*

Hero is constantly attended by a gentle, and trusty Squire.

After all, the most probable Derivation of Escuyer, is

After all, the most probable Derivation of Escuyer, is not from Escu, Scutum, as is the common Opinion, but from Equus; and these Esquires were originally what the Latins call Equisones, and had the Care and Intendance of the Equeries, or Stables only. See Equer.

Be this as it will, the Title Esquire, Armiger, as now established among us, is the next below that of Knight, Eques. They who bear this Title, are all younger Sons of Noblemen, and the eldest Sons of such younger Sons; the eldest Sons of Knights, and their eldest Sons successively; the four Esquires of the King's Body; and Esquires created by the King, by putting about their Necks a Collar of SS's, and bestowing on them a Pair of Silver Spurs. Lastly, divers others in the superior public Offices, are reputed Esquires, or equal to Esquires; as Sherists of Counties, Serjeants at Law, Justices of Peace, Mayors of Towns, Councellors at Law, Batchellors of Divinity, Law, Physic, &c. tho' none of them are really so: Lastly, the Chiets of some antient Families are likewise Esquires by Prescription.

Prescription.

ESQUISSE, in the French Painting, a Term fignifying the first slight sketch, or draught of a Picture; the first Thought of a Design drawn hastily with a Crayon, or in Colours on Paper, Canvas, or the like; in Order to be sinish'd, and painted or engraven atterwards. See Design. He had not the Trouble of making a finish'd, and correct Design; but went to work upon the Esquisse.

The Word is form'd of the Italian Schizzo, a Splash; by Reason an Esquisse of a Painting only represents, as it were, Splashes, or Dabs of Colours.

ESSART, or ASSART. See ASSART.

To Essart, is to grub up, or extirpate Bushes, Trees, old Roors, Stumps, or the like; in Order to fit the Ground

old Roots, Stumps, or the like; in Order to fit the Ground for Tillage.

Du Cange derives the Word from some of the barba-Tous Larin Words, Exartus, Exartum, Exartes, Esfartum, Assartum, Sartum, and Sartus; which all fignifie a Forest cut down or dug up: Tho' Spelman derives it from the Latin Exertum, torn up, or unrooted. Others, from sarrire, to weed. And others, lastly, from exaro, to plow, whence exarare and, by Contraction, Exartum.

In our antient Law Books, Exartum facere in Sylva, is to Essart a Place in a Forest.

ESSAY, a Trial, or Experiment, to prove whether a Thing be of the requisite Quality, or Goodness. See

Specimen.

The Word is also used for an Attempt, or Tentative, to learn whether or no a Thing will succeed. Essays of Machines should be made in large; 'tis not enough they

fucceed in little. See MACHINE.

In Monasteries, Essay is particularly used for a Trial which a Person makes of the Monastic Life, in a secular Habit. This Essay is of one, two, and in some Monasteries, of three Monaster. The Essay is not reckon'd in the Noviciate. See PROBATION.

Some Authors derive the Word from the Latin Examen. Essay, or Assay, or fimply Say, in Coinage, &c. is a Proof, or Trial, made by the Cuppel, or Test, of the Fineness, or Purity of the Gold or Silver to be used in the Coining of Mony, &c. or that have been used therein. See Coining.

There are two Kinds of Essaying; the one before Metals are melted, in Order to bring them to their proper Fineness; the other after they are struck, to see that the Species be Standard.

For the first Estay; the Estayers use to take fourteen or fifteen Grains of Gold, and half a Drachm for Silver; if it be for Mony: and eighteen Grains of the one, and

a Drachm of the other, if for other Occasions.

As to the second Essay, 'tis made of one of the Pieces of Mony already coin'd, which they cut in four Parts.

Method of Essaying Gold.

The Essaying Gold.

The Essaying weigh'd the Gold he intends to make the Trial in, very exactly, and noted down the Weight; adds twice as much fine Silver thereto; tho' this should be in Proportion to the Fineness the Gold seems to be of; the basest Gold requiring the least Silver. The Gold and Silver thus weigh'd, and mix'd, are wrapp'd up in a Piece of Paper, to prevent their losing any Thing of their Weight, which would disturb the Accuracy of the Essay.

Essence.

While the Essence is weighing his Matters, a reverberatory Fire is lighted in a Furnace, furnish'd with a Mussler, and a Cuppel, or Test, set therein to heat. This done, a little Bullet of Lead is put in the Cuppel, of a Weight proportionable to the Quantity and Quality of the Gold to be Essence.

The Word is pure Latin, being the Infinitive of the Verb pears very clear and bright; they put in the Gold and Essence.

or actually existing. See Essence.

From Essence.

The Word is pure Latin, being the Infinitive of the Verb Sum, I am; whence Essence.

Essence,

And hence it is, that in all our antient Romances, the Silver, and let it fuse and seeth till it appear of an Opal constantly attended by a centle, and trusty Squire. Colour, and have fix'd it felf, in a little Lump, to the

Bottom of the Cuppel.

This done, the Cuppel is left to cool in the Furnace it felf; after which the Lump is feparated very exactly from the Place where it fluck to the Veffel; and stretch'd, or hammer'd on the Anvil; heating it again and again, on the Coals, to promote the stretching.

When sufficiently hammer'd, they roll it up in Form of

When fufficiently hammer'd, they roll it up in Form of a Cornet, or Cossin, and thus put it in a Glass Matrass, capable of containing four Spoonfuls of Water; and having added to it a Quantity of Aqua fortis, well corrected, that is, mix'd with near one third of the Quantity of River Water, they boil it over a Wood Fire, till such Time as the Aqua fortis yields no more red Figures.

Water, they boil it over a Wood Fire, till fuch Time as the Aqua fortis yields no more red Fumes.

This first Water being pour'd off, and the Cornet left alone at the Bottom of the Matrass, they fill the Matrass again, but with pure Aqua fortis; which, after boiling, is pour'd off in its Turn, at such Time as the Fumes are become white. This done, they fill up the Matrass with River Water, to wash the Cornet.

When wash'd, they put it dry in a Crucible, with a Cover over it, and heat it till it become of a Cherry Colour. This done, the Essay is finish'd: and there remains

This done, the Essay is finish'd; and there remains nothing but to weigh it against the same Weight of sine Gold, as was used at first, before the Essay: For by Comparing the first Weight of the Gold, e're it was put in the Fire, and the Aqua fortis, with what it retain'd after it had thus undergone the Test; they judge, from the greater, or less Loss it has sustain'd, of the Quantity of Alloy mix'd with it. of Alloy mix'd with it.

## Method of Essaying Silver.

The Process is much the same as in Gold; only less difficult, and shorter. The Silver is weigh'd, as before;

leis difficult, and shorter. The Silver is weigh'd, as before; and the same Furnace, and Muffler, the same Fire, the same Cuppel used. Add, that Lead is likewise put in the Cuppel, proportioned to the Quantity and Quality of the Silver to be Essay'd.

The Lead being well melted, and clear, the Silver is put in; and after it is brought to an Opal Colour, and six'd in a Lump at the Bottom of the Cuppel, which happens in about half an Hour: They let it cool, and cleanse it, and lastly, weigh it again, as in Gold: And from its Diminution, estimate the Quantity of Alloy.

Essaying of Lead.

The Essaying of Lead.

The Essay of Gold and Silver being perform'd by Means of Lead; 'tis of the utmost Importance, the Lead be free of any Mixture of either of the two Metals: Otherwise the Essay will be false; by reason the Gold and Silver mix'd with the Lead, will not evaporate like other Kinds of Alloy, but unite with the Metal under Essay.

To prevent this Disorder, and assure the Operation, there is no way but to Essay the Lead it self.

This Essay is performed in the same Furnace, and with the same Cuppels, as those of Gold and Silver: But the Process is incomparably more simple.

Process is incomparably more simple. All here required, when the Cuppel is heated, being, to put in the Piece of Lead to be Estay'd. If this Lead evaporate entirely, 'tis sit for the Purpose. On the contrary, if there remain any little Grain of Silver, &c. at the Bottom, it must be set aside. See LEAD.

Essay, in Matters of Learning, is a peculiar Kind of Composition; whose Character is to be free, easy, and natural; not tied to strict Order, or Method, nor work'd

natural; not tied to strict Order, or Method, nor work'd up and finish'd, like a formal System.

The Matter of an Essay is supposed to consist principally of sudden, occasional Reslexions, which are to be wrote much at the Rate, and in the Manner a Manthinks; sometimes leaving the Subject, and then returning again, as the Thoughts happen to arise in the Mind. At least, this has hitherto been the Practice; and Montague, who has got no small Reputation by this Way of Writing, seldom keeps many Lines to the Subject he proposes: Tho it is our Opinion, that my Lord Bacon is a better Pattern in the Essay Kind.

Mr. Lock, however, and a few other Authors use Essay in a severe Sense: The Essay of human Understanding, every Body knows is a regular, artful, labour'd Work.

Essay-Master. See Mint.

Essay-Master. See MINT.

ESSE, in the School Philosophy, is used in the same Sense with Essence; principally for that which is actual, or actually existing. See Essence.

ESSENCE, that which constitutes, or determines the Nature of a Thing; or which is absolutely necessary for its being what it is. See NATURE.

In Philosophy, the Essence of a Thing is defined to be that whereby a Thing is distinguished from every other

The Cartesians hold the Essence of Matter to confist in Extension; and on that Principle, deny that there is any such Thing as Mere Space, or Vacuity: But the Hypothesis is false, as is shewn under the Articles MATTER,

SPACE, VACUITY, PLENUM, &c.
Gaffendus, and most of the Corpuscular Philosophers, hold the Essence of Matter to confist in Solidity, or Impenetrability, or Resistance, or, more adequately, in a solid Impenetrability resisting the Touch; which, it must be allow'd, of all the Properties of Matter. fairest Title. See Extension, Body, Solidity, IMPE-

NETRABILITY, &c.

The School Philosophers give us two Significations of the Word Effence; the first denotes the whole Effential Perfection of a Being, and confequently its Entity, with all its intrinsic, or Essential, and necessary Attributes taken together. In which Sense, Essence may be defined to be all that whereby a Thing is, and is what it is. In which Case, the Essence of a Thing, is to the Thing it self,

what Humanity, e. gr. is to Man.

The fecond Signification of Effence, is that whereby it denotes the principal, and most intimate of all the Attributes of a Thing; or that which agrees to every such Thing and such alone and that always and in such man-Thing, and fuch alone, and that always, and in fuch manner, as that the Mind, with all its Attention, cannot perceive any Thing prior thereto. By which, Essence is distinguish'd from the Essential Attributes, i. e. from such as flow from its Essence, or first Attribute. Thus, the Essence of the human Mind is commonly supposed to consist in the Power of Thinking; by reason all its other Perfections seem to pre-suppose this; but this pre-supposes none. And thus the Powers of understanding doubting. none. And thus, the Powers of understanding, doubting, affenting, willing, &c. do all flow from the Power of Thinking; and cannot exist without it, tho' this may without any of them.

It must be allow'd, however, that the Essential Properties of a Thing do so closely cohere, nay, and inhere in the Essence it self, that 'tis scarce possible to distinguish the one from the other. Hence, what some urge, that setting aside all the Attributes and Properties of a Thing, and what remains is its Effence; is a mere Chimera. For fet afide, e.gr. from the Mind, the Powers of understanding and willing, with the rest of its Attributes: and what will there remain to call its F. Sence?

'Tis greatly disputed in the Schools, whether the Essences of created Things be Eternal: Or, whether the Essences, as well as the Existences, had their Origin in Time? The Cartesians hold, that the Essences of Things depend absolutely on the free concurring Will of God.

ESSENCE, in Medicine and Chymistry, is the purest and most subtle Part of a Body, extracted from the same, by

means of Fire. See Extract.

Of these there are a great Variety, drawn from Flowers, Fruits, &c. used on Account of their agreeable Smells, Tafts, &c. by the Apothecaries, Perfumers, &c.

The principal are Essence of Rosemary: Of Turpentine: Of Anis: Of Cloves: Of Cinnamon; and of

The Effences commonly fold by the Perfumers, are only the Oils of Ben, and of bitter Almonds; to which they give the Smell of certain Flowers, or Spices, as Violets,

Taffemin, Cinnamon, &c.

The Essences to be drunk, or mix'd with Liquors, are of a more elaborate Composition: The most usual and best, is prepared with the Spirit of Wine, Cloves, Cinnamon, Mace, Long Pepper, and Coriander: The whole being put up in a very close Vessel, is exposed to the Sun for fix Weeks, or two Months, during the Day-time, and in the Night fet on the Fire.

In Winter they use the Fire alone: This Essence being exceedingly strong; 'tis frequently used only to give a Strength to other weaker Liquors. After the same manner may the Essences of Amber, Musc, &c. be drawn.

The Essences of odoriferous Flowers, to give a fine Smell

to Liquors, are drawn by laying Strata, or Lays of the Flowers, and of Sugar, alternately, in a proper Vessel, and leaving em to insuse in a Cellar for 24 Hours; and after ESSENTIAL Oils, are such that as long by the Sun; and lastly, straining or percolating the whole thro' a Sieve, without squeezing the

ESSENI, or ESSENES, or ESSÆANS, an ancient Sect

among the Jews. See SECT.

fosephus making mention of the feveral Sects among his countrymen; diffinguishes three; viz. the Pharisees, Sadducees, and Esseni: Which last he prefers to the

two former, as to their manner of Life. He affures us, further, that they were fews by Original; from which it should appear, that S. Epiphanius was mistaken, in ranking 'em among the Samaritans.

In Effect, the Esseni appear to have been true Pythagorian Philosophers, in every Thing that related to their manner of Living. For they greatly affected Solitude and Retirement, and all Conversation with Women, to devote

themselves more entirely to the contemplative Life.

The Essent seem to have been among the Fews, what the most retired and austere Monks are, or were, among the Christians; which was what gave them their Denomination of Isdanoi aountal, Ascetic Jews. See Ascetic.

Many Catholic Writers have even deduced the Origin of

Monks from 'em: Building, principally, on what Philo relates of 'em, who divides 'em into two Branches or Sects: The one who married, and the other who lived in Coeli-

bate. See Monk and Celibate.

Josephus seems likewise to have had an Eye to these two Sorts of Esseni. Serrarius, who has wrote very amply on the Subject, follows Philo, in making two Classes of Esseni: The first, are those whom he calls Practice, and who lived in Community: The second, those call'd Theoretics who lived in Solitude and led a Life of pure Theoretici, who lived in Solitude, and led a Life of pure

Theoretici, who lived in Solitude, and led a Life of pure Contemplation. He adds, that fosephus only makes mention of the first; passing, untouch'd, over the contemplative Kind, whom Philo calls Therapeutes, and who were principally found in Egypt. See Therapeutes.

Grotius will have the Esseni the same with the ancient Grotius will have the Esseni the same with the ancient Grotius will have the Esseni the same with the ancient Grotius will have the Esseni the same with the ancient Grotius will have the fame with the ancient Grotius will have the fingular Piety, Humility, and Devotion. Among these, Gale observes, it was, that the Hebrew Philosophy chiefly flourish'd. Porphyry, de Abstinent. is very prolix in his Praises of the Esseni; Esseni while it Esseni, Ilsael unit to the Stein while it Esseni. Eio τοίνων δι Εσσαίοι, Ίεδαίοι μην το γεν , φιλαλληλοι, &c. He represents 'em as Despisers of Pleasure, Riches, Glory, and Delicacy, &c. and strenuous Retainers to Continency, Austerity, Study, &c. They decline Marriage; and adopt and educate other Peoples Children in Religion and Philosophy. They are all on a Level, hold every Thing in common, neither buy nor fell, &c. By long Habits, they arrived at fuch a Degree of Patience, that Porthyry affures us, Flames and Tortures had not the least Effect on 'em. They form'd to intreat their Tortorers 5 nor ever shed a Tear; but would smile under all their Agonies, &c. As to their Learning, Philo Judeus, in his Treatise, That every good Man is free, tells us, that they despited Logic, as useless to the acquiring of Virtue: Physics, they left to the Sophists and Disputers, as judging it to transcend the human Faculties; and apply'd themselves wholly to Morality. Gale, Essenor, Char. ap. Philos.

Eusebius holds, that the Esseni, call'd Therapeuta, were real Christians, or Jews converted by St. Mark, who had embraced this Kind of Life. Scaliger, on the contrary, maintains, that these Therapeutæ were no Christians, but real Esseni; who made Profession of fudaism. However, he allows the two Kinds of Esseni abovementioned, But Valesius, in his Notes on Eusebius, absolutely rejects any fuch Distinction: He denies, that the Therapeutæ were any real Esseni; and that, chiesly, on the Authority of Philo himself, who never calls 'em Esseni, and who places the Esseni in fudæa and Palestine; whereas the Therapeutæ were spread throughout Greece, Egypt, and other Countries

other Countries.

ESSENTIAL, fomething that is necessary to constitute Thing, or that has fuch a Connexion with the Nature and Reason of a Thing, that it is sound, or supposed, wherever the Thing it self is. See Essence.

Thus, it is effential to God to be just. Mr. Lock has overturn'd that great Principle of the Cartesians, that

Thinking is effential to the Soul. See THINKING.

The Heart, Brain, and Spinal Marrow, are Parts ordinarily supposed Essential to Life, or without which Life cannot be; yet we have Instances in Natural History, of Childrens being found, and alive, without almost any of those Parts. See BRAIN, &c.

ESSENTIAL Properties, are fuch as necessarily depend on, and are connected with, the Nature and Essence of any Thing, fo as to be inseparable from it: in Diffinction from

ESSENTIAL Oils, are such as are really in a Plant, and drawn from it by Distillation, in an Alembic, with Water; in Contra-distinction to those made by Insolation. See

ESSENTIAL Salts, are fuch as will crystallize in the Juice or Infusion of a Plant; in Distinction from those made by

Incineration. See SALT. ESSOIN, in Law, an Excuse for him that is summon'd to appear and answer to an Action real, or to perform

Suit to a Court Baron. It is equivalent to Excusatio among the Civilians.

The Causes that serve to Essoin, are divers; yet may be reduced to five Heads: The first is, Essoin de ultra mare, when the Party is beyond Sea: The second, De terra sancta, when on an Expedition in the Holy Land: The third, de malo venendi, when he is infirm of Body, and cannot come; which is also call'd, the Common Essoin: The fourth, Essoin de malo lecti, when the Defendent is sick a-bed: The fifth, de servitio Regis, when the Defendent is fick a-bed: Horn mentions several other. among the Civilians.

The Causes that serve to Essoin, are divers; yet may be reduced to five Heads: The first is, Essoin de ultra mare, when the Party is beyond Sea: The second, De verra sancta, when on an Expedition in the Holy Land: The third, de malo ventendi, when he is insirm of Body, and cannot come; which is also call'd, the Common Essoin: The fourth, Essoin de malo lecti, when the Defendent is sick a-bed: The fifth, de servitio Regis, when he is in the King's Service. Horn mentions several other Essoins touching the Service of the King Celestial.

The Word is form'd of the French, Essoine, i. e. Causarius miles, he that has his Presence torborn upon any just Cause, as Sickness, or other Impediment.

ESSOINS and PROFFERS. See Proffer.

ESSORANT, in Heraldry, a Term used to express a Bird standing on the Ground with the Wings expanded, as if it had been wet, and were drying it self.

as if it had been wet, and were drying it felf.

ESTANDARD. See STANDARD.

ESTATE, in Law, the Title, or Interest a Man hath in Lands or Tenements.

Estate is either simple or conditional: Estate simple, call'd also Fee simple, is where a Man by Deed Indented, enscores another in Fee, reserving to him and his Heirs a Yearly Rent; with this Proviso, that if the Rent be behind, &c. it shall be lawful for the Feosfer and his Heirs, to enter. See FEE.

Plate Conditional, or upon Condition at Law, is fuch, as hath a Condition annexed to it, tho' it be not specified in Writing. e. gr. If a Man grant to another, by his Deed, the Office of Park-Keeper for Life: this Estate is upon Condition in Law, viz. If the Park-Keeper shall so long well and truly keep the Park.

ESTATE, or fimply STATE, the Empire, Kingdom, Provinces, or Extent of Lands under any one Government

or Dominion.

The Estates of the Grand Seignior, of the King of Spain, &c. are very extensive: Those of the King of France are compact, and well peopled. Italy is canton'd out into a great Number of petty Estates.

Ministers of Estate, Secretaries of Estate, &c. See
Minister, Secretary, &c.

ESTATE is particularly applied to the feveral Ranks, or lastes, of a People assembled together, for the concert-Claffes, ing of Measures, reforming Abuses, or composing the Diflurbances of a State.
In England, the Three Estates, viz. King, Lords, and

Commons, meet ordinarily in Parliament.

In France, the Estates consist of the Churchmen, the Noblesse, and the Third Estate.

Some will have these Assemblies of Estates to be a very ancient Constitution: All we know is, that there were general Assemblies held in the Gauls, before Casar's Conquest. But then the People, or third Estate, had no Share in em. Under the 1st and 11d Race of the French Wings, there were also solve the convergence of the Race. Kings, there were also solemn Convocations, call'd Parliaments; but it was only the great Lords of the Realm that were call'd to 'em. See Parliament.

ESTATES General. See STATES General, &c. ESTERLING, or EASTERLING. See STERLING. ESTETE, in Heraldry, is used by the French to fignify a Beast whose Head has been, as it were, torn off by Force; and consequently the Neck left rough and rugged: In Contra-diffinction to deffait, or decapite, where the Neck is left smooth; as if the Head had been cut off.

See DEFFAIT.

See Deffait.

ESTHER, a Canonical Book of the Old Testament.

The Book of Esther, is denominated from a celebrated fewish Captive of that Name, in Persia, whose Beauty preser'd her to the Bed of Abasuerus, and the Throne of Persia; And who, in that Quality, saved her Compatriots the fews, from the Death, to which Abasuerus had doom'd 'em, by the Councils of his Favourite Haman: The History of which Transaction makes the Subject of the Book of Esther.

The Criticks are divided about the Author of this

The Criticks are divided about the Author of this Book: S. Epiphanius, S. Augustin, and Islane, attribute it to Ezra; But Eusebius will have it of a later Date. Some ascribe it to Joachim, High-Priest of the Jews, and Grand-son of Josephan. Others will have it composed by an Assembly, or Synagogue of the Jews, to whom Mordecai wrote Letters, informing 'em of what had happen'd, Esth. IX. 29.

But the Generality of Interpreters, both II.

But the Generality of Interpreters, both Hebrew, Greek, Latin, &c. ascribe the Book to Mordecai himself: Elias Levita, in his Mass. bamum. Præf. 3. mentions this Sen-

timent as unquestionable.

'Tis chiefly founded on the Passage, Ch. IX. Ver. 20.

where it is said, That Mordecai wrote these Things, and

Ver. 3. inclusive; and all the rest Deuterocanonical. Of this Sentiment are S. Jerom, De Lyra, Dionysius the Carthusian, Cajetan, and others. The Council of Trent turn'd the Scale for its being Canonical throughout: fo that the Matter is determined for the Catholic Countries.

But as to the Protestants, they retain to the old Opinion, and only admit it as far as the 3 d Verse of the X th

Chapter. See Deuterocanonical.

ESTIVAL, or Æstival Solftice. See Solstice.

ESTOILEE'. A Cross Estoilee, is a Star with only four long Rays, in manner of a Cross; and accordingly broad in the Centre, and terminating in sharp Points. See

ESTOPPEL, in Law, an Impediment, or Bar of Action growing from a Man's own Act, who hath, or otherwise might have had his Action. See BAR.

Goddard defines an Estoppel to be a Bar, or Hindrance, to one to plead the Truth; and extends it not to the Impediment given by his own Act only, but anothers also. There are three Kinds of Estoppel, viz. by Matter of Record; by Matter in Writing; and by Matter in pais. The Word is form'd of the French, Estouper, oppilare,

ESTOVERS, in Law, is used by Bracton, for that Sustenance, which a Man committed for Felony, is to have out of his Lands, or Goods, for himself and his Family, during Imprisonment.

In Stat. 6. Edu. I. it is used for an Allowance in Meat

In Stat. 6. Edu. 1. it is used for an Allowance in Meat or Clothes. In Stat. West. it is also used for certain Allowances of Wood, to be taken out of another Man's Woods. In this last Sense Estovers comprehends House-bote, Hay-bote, and Plow-bote: So that if a Man hath in his Grant these general Words, de Rationabili Estoverio in Boscis, &c. he may thereby claim all three.

In some Mannors, the Tenants have Common of Estovers; that is, necessary Botes out of the Lord's Wood. See Alimony.

ALIMONY

ESTRADE, a French Term, literally fignifying a public Road, or High-way. Hence the Military Phrase, Battre l'Estrade, to Beat the Estrade, that is, to send Scouts, or Horsemen, to get Intelligence, to learn the Dispositions of the Enemy, and inform the General of every Thing like to fall in the Way. An Army never marches, without sending Batteurs d'Estrade on every Side.

The Word is form'd of the Italian Strada, Street, or Road which is derived from the Latin Strata a pared

Road, which is derived from the Latin Strata, a paved Street. Some derive it from Estradiots, who were Cavaliers

anciently employ'd in beating the Estrade.

ESTRADE is also us'd, for a little Elevation in the Floor of a Room, frequently encompass'd with an Alcove, or Rail, for the placing a Bed in; and sometimes, as in Turkey, only cover'd with fine Carpets, to receive Visitors of Distinction in. See ALCOVE.

ESTRANGEL, in the Syriac Grammar. The Estrangel, or Estrangelus Character, is a particular Species, or Form of Syriac Letters; serving as the Majuscule Letters

of the Syriac Language.

Abraham Ecchellensis takes the Estrangel Character, for the true, ancient, Chaldee Character. And 'tis certain, the Abysfinians, who call themselves Chaldeans, still occa-fionally use the Estrangel Character; if we may credit Hottinger in his Thesaur. Philol. p. 286. Bishop Walton, in his Prolegomena, gives us an Estrangel Alphabet.

ESTRAY, fignifies any tame Beast found within any Lordship, and not owned by any Man; in which Case, being cried, according to Law, in the Market adjoyning, if it be not claimed by the Owner in a Year and a Day, it is the Lord's of the Soil where found.

ESTREAT, in Law, is used for the true Copy, or Duplicate, of an original Writing: For Example, of Amerciaments, or Penalties, set down in the Rolls of a Court, to be levied by the Bailiff, or other Officer, of every Man for his Offence.

Clerk of the ESTREATS. Sec CLERK.

ESTREPEMENT, in Law, an impoverishing, or making of Land barren, by continual Plowing and Sowing;

without due Manuring, Rest, and other Husbandry.

The Word is also used, for any Spoil made by the Tenant for Life, upon any Lands, or Woods, to the Prejudice of him in Reversion; as the cutting down of Trees.

or lopping them further than the Law allows, &c. Stat. neath. This they repeat, pouring it again and again, till

The Word is derived from the French, Estropier, to

maim; or the Latin, extirpare.

ESTREPEMENT, is also a Writ which lies in two Cases; the one, when a Man having an Action depending, (wherein the Demandant is not to recover Damages as a Writ of Right, dum fuit infra ætatem, &c.) sues, to inhibit the Tenant from making Wast during the Suit.

The other is for the Demandant who is adjudged to recover Seisin of the Land in Question, and before Execution, for fear of Waste to be made ere he can get Possession, sues

out this Writ.

ESULA, a medicinal Root. The Efula, is properly the Bark of a little reddish Root, which produces green, narrow, milky Leaves. It grows chiefly in France. 'Ere row, milky Leaves. It grows chiefly in France. 'Ere they use it, 'tis insused in Vinegar: After which, they draw Extracts from it, used in the Dropfy.

ESURINE Salts, are fuch as are of a fretting, eating, or corroding Nature; which chiefly abound in Places near the Sea-fide, and where great Quantity of Coal is burnt: As appears from the speedy rusting of Iron in such Places. See SALT.

ETAPPE, in War, the Allowance of Provisions and Forage made to the Soldiers, upon March thro' a Kingdom or Province, to or from Winter Quarters.

Hence, he that contracts with the Country, or Territory, for furnishing the Troops in their March, is called

ETCHING, a Method of Engraving on Copper; wherein the Lines, or Strokes, instead of being cut with a Tool, or Graver, are eat with Aqua fortis. See En-GRAVING.

Etching was invented much about the same Time with Engraving on Copper, properly so call'd; by Alb. Durer, and Lucas. It has several Advantages over that Art; as, that it is done with more Ease and Expedition; that it requires fewer Instruments; and even, that it represents divers Kinds of Subjects better, and more agreeably to Nature, as Landskips, Ruins, Grounds, and all small, faint, loofe, remote Objects, Buildings, &c.

The Method of Etching is thus: The Plate being well polish'd, is heated over the Fire; and when hot, cover'd over with a peculiar Ground, or Varnish. When cold again, the Ground is blacken'd with the Smoak of a Candle; and on this Ground, thus blacken'd, the Back of the Defign,

or Draught, is laid.

This done, the Defign remains to be calk'd, or transferr'd upon the Plate; which is more eafily effected, than in the common Graving; for the Back of the Defign having been before rubb'd over with red Chalk, nothing remains but to trace over all the Lines and Strokes of the Draught with a Needle or Point; which preffing the Paper close down to the Ground, occasions the Wax therein to lay hold of the Chalk, and so bring off the Marks of the several Lines: So as at length, to shew a Copy of the whole Defign in all its Correctness.

The Draught thus calk'd, the Artist proceeds to draw

the feveral Lines, and Contours with a Point, thro' the Ground, upon the Copper.

To finish his Work, he makes use of Points of divers Sizes, or Bigneffes; and preffes on them fometimes more strongly, and sometimes more lightly, according as the several Parts of the Figures, &c. require more or less Strength or Boldness: Some of the Points being as fine as Needles, for the tender, Hair stroaks, and the remoter, fainter Objects; and others again, as big as Bodkins, made oval-wife, for the deeper Shadows, and the Figures in the Front of the Work.

Things thus prepared, a Rim, or Border of Wax, is rais'd round the Circumference of the Plate, and Aqua fortis pour'd on; which, by the faid Border, is kept

from running off at the Edges.

The Ground being impenetrable to that corrofive Water, the Plate is defended from it every where but in Lines, or Hatches, cut thro' it with the Points; which, lying open, the Water paffes thro' them to the Copper, and eats into the same, to the Depth required: Which done, it is

Of Etching Grounds, it must be observed, there are two Kinds; the one foft, and the other hard. There are also two Kinds of Aqua fortis: The one White, which is only used with the soft Ground, and is applied as above directed: The other Green, made of Vinegar, Common Salt, Sal Ammoniac and Verdegreafe. This is used indifferently with either Kind of Ground: Its Application is fomewhat different from that of the White.

Without making any Border, they pour it on the Plate,

which is placed for that Purpose a little inclined; and as the Water runs off, it is received in a Veffel placed under-

it has eaten deep enough.

Add, that the Aqua fortis, of which Kind foever it be, must not continue equally long, or be pour'd equally often, on all the Parts of the Design. The remote Parts must be bitten more slightly, than those nearer to the View.

To manage this, they have a Composition of Oil and Greafe, wherewith they cover the Parts that are to be bitten no further. Or else they lay the Composition on as a defensitive at first, and take it off again when they find proper. In Effect, they are every now and then covering ing and uncovering this or that Part of the Defign, as Occasion requires; the Conduct of the Aqua fortis being one of the principal Concerns in the whole Art, and that on which the Effect of the whole very much depends. The Operator is also to be very attentive to the Ground, that it don't fail, or give Way, in any Part, to the Water; and where it does, to stop up the Place with the Composition aforefaid.

Lastly, it is to be remember'd, that a fresh Dip of Aqua fortis be never given, without first washing our the

Plate in fair Water, and drying it at the Fire.

The Aqua fortis having done its Part, the Ground is taken off, and the Plate wash'd and dried; after which nothing remains but for the Artist to examine it with his Graver in his Hand, to touch it up, and heighten it, where the Aqua fortis, &c. has miss'd.

ETERNITY, an Attribute of God, whereby the Duration of his Existence is conceiv'd incommensurable with Time, and exclusive of Beginning, Progress, Ending, &c.

See God, TIME, &c.

Authors are terribly straighten'd for a proper and just Definition of Eternity. That of Boethius de Consol. Philos. L. V. Pr. 6. viz. Interminabilis vita, tota simul E perfecta possession, i. e. a perfect Possession of a whole endless Existence all together, or at once, the retain'd by S. Thomas, and others, is Faulty in divers Respects.

Censorinus, de Die Natal. defines Eternity, by Infinite Duration; that is, Duration which has always been, and always will be. - Others, more fully describe it by a Duration that exists all together, without any Flux, or Succession of Parts, prior, or posterior to each other: Where, the Word Duration, taken abstractedly, imports no more than the Perseverance of a Thing in Existence; the no durare, being here opposed to the m cessare, in Existendo.

But foften the Word Duration how you will, it is scarce conceiveable, but by conceiving a Quantity thereof; nor a Quantity, without conceiving a Succession. - Others, therefore, define Eternity by a perpetuum nunc, a perpetual now; or a nunc semper stans, an ever-standing now: But neither are these unexceptionable; the Words perpetuum, and semper-stans, importing an obscure Sorr of Duration. See DURATION.

ETESIAN Winds. See WINDS.

ETHER. See ÆTHER.

ETHERIAL Oil, a Name the Chymists give to high rectified Oils, which differ little from inflammable Spirits; fuch are Oil of Turpentine, &c. See OIL, SPIRIT, &c.

ETHICKS, ETHICA, a Term originally Greek, in Juni, applied to the Doctrine of Morality, or Moral Philosophy. See PHILOSOPHY.

Gale makes Ethicks only the first Part, or Branch of Moral Philosophy, viz. that which regards private Persons, or in a private Capacity. See Moral.

The Word is form'd from in G, in In, Mores, Manners; by Reason the Scope, or Object thereof, is to form the Manners. See MANNERS.

Now, by Manners, is here meant a Way, or Manner of Living, confirm'd by Custom, or Habit; or certain Habitudes of doing; or Actions which are often repeated: Which, if they be according to right Reason, the Morals, or Manners, are said to be Good; otherwise Evil and vitious. See Good and EVIL.

Hence, the Object of Ethicks, is the Exercise of right Reason, in all our Affairs, Actions and Circumstances; or it is Man himself consider'd as dirigible, and to be conducted according to Reason: And the End of Ethicks, is to make him good and happy. For that if a Man conduct himself, according to right Reason, in all the Circumstances of his Actions, Affairs and Relations, he will arrive at the highest Pitch of Moral Perfection and Beatingle. titude.

Whence, Ethicks may be defined a right Manner of thinking, in order to attain human Felicity; or a Difci-pline whereby Man is directed to conduct his Will, and the

Actions thereof, fo as to live well and happily. See WILL.

The principal, nay, the only Topicks thereof, are Happiness and Manners; whence arise two Parts, or Branches of Ethicks; the first on moral Happiness, consider'd as the End; and the fecond on Moral Virtues, or good Bbb\*.

Manners, as the Means to arrive thereat. See HAPPINESS, VIRTUE, &c.

ETHICOPROSCOPTES, in Antiquity, the Name of a Sect.

Damsscenus, in his Treatise of Herestes, tells us, that the Denomination Ethicoproscoptes was given to such as err'd in Matters of Morality, and Things relating to Practice, that were to be done, or be avoided, &c. who blamed Things laudable, and good in themselves, or recommended or practised Things Evil. Which shews, that they were no particular Sect.

The Word is form'd of the Greek, is , Manners, and

περόκώπτω, offendo, I offend.

ETHMOIDAL, ETHMOIDALIS, in Anatomy, one of the Sutures of the Human Cranium. See SUTURE.

The common Sutures are those which separate the Bone of the Cranium from those of the Cheeks; and are four: The Transversal, Ethmoidal, Sphenoidal, and Zygomatical. See CRANIUM.

The Ethmoidal takes its Denomination from its turning

round the Os Ethmoides. See ETHMOIDES.

ETHMOIDES, in Anatomy, a Bone fituate in the middle of the Bafis of the Fore-head, or Os frontis, and at the Top of the Root of the Nose; filling almost the whole Cavity of the Nostrils. See Nostrils.

It has its Name from nous, Cribrum, Sieve, and 200,

Form; because all spongeous and cribrous.

By its cribrous Part it is joyn'd to the Head; by the

By its cribrous Part it is joyn'd to the Head; by the fpongeous Part, to the Cavity of the Nostrils; and by the plain and broad Part, to the Orbits of the Eyes.

In the cribrous Part is an Apophysis, which jets out, in a Point, into the Cavity of the Skull; call'd, from its Figure, Crista Galli, or Cock's Comb. From its under Side, there goes a thin Bone, which divides the Cavity of the Nostrils into two, call'd the Vomer. It is perforated by a Number of small Holes, thro' which the Fibres of the olfactory Nerves pass to the Processus Mamillares.

J. Philip Ingrassias, a Sicilian, who flourish'd about the Year 1546, was the first who gave a just Account of the Structure of the Os Ethmoides or Cribrosum. See Nose.

NOSE.

ETHNARCHA, ETHNARCH, a Governour, or Com-

mander of a Nation. See TETRARCH.

There are some Medals of Herod I. surnamed the Great, on one Side whereof is found HPOAOY, and on the other on one Side whereof is found HPΩΔΟΥ, and on the other EΘNAPKOΥ, q. d. Herod the Ethnarch: Now, after the Battel of Philippi, we read that Anthony passing over into Syria, constituted Herod and Phasael his Brother, Tetrarchs, and in that Quality committed to them the Administration of the Affairs of Judea. Jos. Ant. L. XIV. C. 23. Herod therefore had the Government of the Province before ever the Parthians enter'd Syria, or before Antigonus's Invasion, which did not happen till fix or feven Years after Herod was Commander in Galilee. Jos. L. XIV. C. 24, 25.

Consequently, Herod was then truly Ethnarch: for he

Consequently, Herod was then truly Ethnarch; for he can be no otherwife denominated: So that it must have been in that Space of Time that the Medals were struck which only give him this Title. Which Medals are a Confirmation of what we read in History of the Government that Prince was intrusted withal e're he was rais'd to the Royalty.

Josephus gives Herod the Appellation of Tetrarch, in lieu of that of Ethnarch; but the two Terms came fo near to each other, that it was very eafy to confound them

Tho' Herod the Great left by Will, to Archelaus, all Judea, Samaria, and Idumea; yet, Josephus tells us, he was then only call'd Ethnarch.

The Word is Greek, form'd of soy, Nation, and asxi, Command.

ETHNOPHRONES, in Antiquity, the Name of a

Sect. See SECT.
The Ethnophrones, or Paganizers, the VII th Century, who made a Profession of Christianity, but joyn'd thereto all the Ceremonies and Follies of Paganism, as Judiciary Astrology, Sortileges, Auguries; and other Divinations. were Hereticks of

And hence their Denomination; from sayo, Nation, and ogne, Thought, Sentiment, q. d. whose Thoughts, or Sentiments were still Heathen or Gentile.

They practifed all the Expiations of the Gentiles, held all their Feafts, observed all their Days, Months, Times, and Seasons. See Damascenus, L. Heras. N. 94.

ETHOPOEIA, or ETHOPEA, in Rhetoric, call'd also Ethology, and vulgarly Picture, or Portrait; is a Draught, or Description, expressing the Manners, Passions, Genius, Temper, Aims, &c. of another Person.

Such is that beautiful Paffage in Salust, in his Bellum Catilinarium, wherein he gives us a Picture of Catiline: Fuit magna vi & animi & Corporis sed Ingenio malo pravoque huic, &c. 'He had an uncommon Strength both of Body and Mind; but an ill turn'd, and wicked Dic. of Body and Mind; but an ill turn'd, and wicked Dif-position. When a very Boy, his great Pleasure was in intestine Broils, Rapine, Slaughter, and civil Discord. His Body was form'd to undergo Fasting, Cold, and Watching, beyond all Belief. His Mind was daring, de-Watching, beyond all Belief. His Mind was daring, deceitful and various; and could imitate, or accommodate it felf to any Body: He was extremely covetous of other People's Goods, and profuse of his own withal. His Lusts and Defires were very high; his Stock of Eloquence considerable; but his Discretion scarce any. The Ethopæia is divided into Prosographia, and Ethopæia properly so call'de the former of which is a Picture

pæia, properly so call'd; the former of which is a Picture of the Body, Countenance, Make, Dress, Gait, &c. and the latter of the Mind.

The Word is of Greek original, being form'd of 330; mos, consuetudo, and woren, facio, singo, describo. Quintilian, L. IX. C. 2. calls this Figure Imitatio morum alienorum; and in Greek, psynois, Imitation.

ETYMOLOGY, that Part of Grammar, which confiders, deduces, and explains the Origin and Derivation of Words; in order to arrive at their first and primary Sig-

nification. See GRAMMAR.

The Word is form'd of the Greek, ἔτυμΘ, verus, true, and λεγω, dico, I fpeak; whence λογια, Difcourse, &cc. and thence Cicero calls the Etymology, Notatio, and Veriloquium: Tho' Quintilian chuses rather to call it Origination ginatio.

In all Ages there have been People curious in Etymologies: Varro has wrote on the Etymology of the Latin Words; and we have a Greek Etymologicon, under the Name of Nicas.

Name of Nicas.

The Etymologies of our English Words have been deduced from the Saxon, Welsh, Walloon, Danish, Latin, Greek, &c. by Somner, Cambden, Verstegan, Spelman, Casaubon, Henshaw, Skinner, Junius, &c. See English.

Those of the French and Italian Words, by Menage, in what he calle his Originas. House, Stothers Tribut.

what he calls his Origines: Henry Stephens, Tripot, Borel, &c. have also laboured on the French Etymologies. Guichard, and Fa. Thomassin, have carried the Etymologies of Abundance of French Words as high as the Hebrew. Postel had the same Design before them.

We have a Latin Etymologicon of Gerard Vossius, ano-

ther of Martinius, &c. Octavio Ferrari, has an Etymology of the Italian Tongue: And Bernard a Aldretta, ano-

of the Italian Tongue: And Bernara a Mareira, another of the Spanish.

Fa. Dom. Pezron, Abbot of Charmoye, and Priest of the Sorbonne, has traced up to the Celtic Language the Etymologies of Abundance of Greek, Latin, German, French, and other Words, used by Plato, Servius, Donatus, and other Latin Authors without knowing their true Origin, and Etymology, for Want of being acquainted with the Roots of the Celtic Tongue, from which Abundance of Greek, Latin. &c. Words are derived. But it must be Greek, Latin, &c. Words are derived. But it must be added, that his Etymologies are frequently so far fetch'd, that one can scarce see any Resemblance, or Correspondence at all.

A strict, and follicitous Enquiry into Etymologies, is no frivolous, and impertinent Design; but has considerable Uses. Nations, who value themselves on their Antiquity, have always look'd on the Antiquity of their Language as one of the best Titles they cou'd plead. For the Esymologist, by seeking the true, and original Reason of the Notionand Ideas attach'd to each Word and Expression many the second seeking the true, and original Reason of the Notionand Ideas attach'd to each Word and Expression many the second seeking the true of the Notionand Ideas attach'd to each Word and Expression many the second seeking the true of the Notionand Ideas attach'd to each Word and Expression the second seeking the sec and Ideas attach'd to each Word, and Expression, may often furnish an Argument of Antiquity from the Vestigia, or traces remaining thereof; and from the Indices still sub-sisting in the present Use of the Words, compared with the antient Uses.

Add, that Etymologies are necessary for the thorough Understanding of a Language: For, to explain a Term precisely, there seems a Necessity of recurring to its first Imposition, in Order to speak justly and satisfactorily Imposition, in Order to speak justly and satisfactorily thereof. The Force and Extent of a Word is generally better conceiv'd, and enter'd into, when a Person knows its

Origin and Etymology.

"Tis objected, however, that the Art is arbitrary, and built altogether on Conjectures and Appearances; and the Etymologists are charged with deriving their Words from where they please. But the Science is certainly real, and as regular as divers others; having its proper Principles, and Method. and Method.

It must be own'd, indeed, that it is no casy Matter to return into the antient British, and Gaulish Ages; to follow, as it were by the Track, the divers imperceptible Alterations a Language has undergone from Age to Age. A sober Etymologist has need of all the Lights he can come at, to conduct and bring down Words variously difference at, to conduct and bring down Words variously difference and the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words variously difference at the conduct and bring down words were at the conduct at th

guis'd in their Paffage, and remark all the Changes that have befallen them. And as those Alterations have sometimes been owing to Caprice, or Hazard, 'tis eafy to take a mere Imagination, or Conjecture, for a regular Analogy; fo that 'tis nothing strange the Public should be prejudiced against a Science which seems to stand on so precarious a Footing.

EVACUANTS, in Medicine, Remedies proper to expel, or carry off any ill, peccant, or redundant Humor in the animal Body; by the proper Ways or Emunctories. See

Of Evacuants, there are divers Kinds, distinguish'd according to their various Humours and Emunctories. See

Humor and Emunctory.

Some, e. gr. carry off their Matters by Stool, call'd Purgatives, or Catharticks. See Purgatives, &c. Others by Urine, call'd Diureticks. See Diureticks. Others by Perspiration, call'd Diaphoreticks. See Diaphoreticks. See Diaphoreticks. Others by Sweat, call'd Sudoriticks. Others by the Mouth, call'd Vomitories, or EMETICKS. Others by the falival Glands, as SIALIGOGUES: And others, lattly, by the Menses, as MENAGOGUES and ARI-

EVA UATION, in Medicine, a Diminution of the animal Fluids, in Order to a Discharge of some morbid, or redundant Matters therein; or, only, for the Sake of thinning, attenuating, and promoting the Motion and Circulation thereof. See EVACUANTS.

The Matter of a Difease, or what is prescribed by Art to remove or ease it, is Evacuated two Ways.

1°. By the natural Emunctories, or Out-lets of the Skin; the Nostrils, Mouth, Fauces, Oefophagus, Ventricle, Intestines,

Bladder, and Urethra.

And 2°. By artificial Outlets, made either in the Blood Vessels; as by Phlebotomy, Arteriotomy, Scarifications, and Leaches. See PHLEBOTOMY and SCARIFICATION, Gc. Or, in the Lymphatic Vessels; as by Causticks and Vesicatories. Or, lassly, in both, as by Issues, Setons, Ulcers, Fistula's, &c. See Issue, Seton, Fistula, &c.

Hence, the first Distinction of Evacuants is derived from the different Emunctories; and the 2d, from the

Diversity of Matter evacuated thro' them.

Most of the Chronical Diseases, the Infirmities of old Age, and the short Periods of the Lives of Englishmen, Dr. Cheyne observes, are owing to Repletion. This is evident from hence; that Evacuation of one Kind or another, is nine Parts in ten of their Remedy: For not only Cupping, Bleeding, Bliftering, Issues, Purging, Vomiting and Sweating, are manifest Evacuations, or Drains, to draw out what has been superfluously taken down; but even Abstinence, Exercise, Alteratives, Cordials, Bitters, &c. are but several Means to dispose the gross Humours, to be more readily evacuated by infensible Perspiration. Essay on Health.

For the Periodical Evacuations of Women.

MENSES.

For the Evacuations of Women after Delivery.

The Term is likewise used in the Art of War: To Evacuate a Place, is to make the Garrison quit, or march out of it, in order for another Power to take Posfession of it, or to make Room for another Garrison.

EVANGELISTS, the inspired Authors of the Gospels.

See GOSPEL. The Name Evangelists was likewise given, in the antient Church, to fuch as preach'd the Gospel here and there; without being attach'd to any particular Church. In which Sense, some Interpreters think it is, that St. Philip, who was one of the feven Deacons, is call'd the Evan-gelist, in 21st Chapter of the Acts of the Apostles, Ver. 8.

Again, St. Paul writing to Timothy, Ep. 2. C. IV. v. 5. bids him do the Work of an Evangelist. The same Apostle, Eph. IV. 11. ranks the Evangelists after the Apostles and Prophets.

Hence, Monf. Tillemont takes the Liberty to use the Word in the same Sense. 'Most of those who then embraced the Faith, being fill d with the Love of a holy · Philosophy, began to distribute their Goods to the Poor, and after that went into divers Countries to do the Office

of Evangelists, to preach Christ to such as had not yet to furnish them with the sacred Wriand heard of him

' tings of the Gofpel.'

The Word is derived from the Greek, suay serior, form'd

of so, bene, well, and ay sale, Angel, Meffenger.

O suaves Epistolas tuas uno tempore mihi datas duas! quibus Evangelia quæ reddam nescio; deberi quidem plane fateor. Cic. ad Attic.

EVANID. A Name fome Authors give to those Colours which are not of very long Duration; as those in the Rain-bow, in Clouds before and after Sunfet, &c. See Colour, &c.

Evanid are the same with those otherwise call'd Fanta-

fical, and Emphatical Colours: See FANTASTICAL, &c. EVANTES, in Antiquity, the Priestesses of Bacchus; thus call'd, by Reason, in celebrating the Orgia, they ran about as if distracted, crying Evan, Evan, Ohe Evan! See BACCHANTES.

EVAPORATION, in Philosophy, the A& of exhaling the Humidity of a Body; or of diffipating it in Fumes or

Vapour. See VAPOUR.

Common Salt is form'd, by evaporating all the Humidity in the Salt-Water, or Brine; which Evaporation is either perform'd by the Heat of the Sun, as in the Salt-Works by the Sea-Coast, &c. or by Means of Fire, as in the Salt Springs, &c. See SALT.

By the Observations of Mons. Sedileau it appears, that what is rais'd in Vapour, exceeds that which falls in Rain.

See RAIN.

Tho' the Evaporation of Liquids is generally look'd on as an Effect of the Heat, and the Motion of the Air; yet Monf. Gauteron, in the Memoirs de l'Academ des Scien. An. 1705. Shews, that a quite opposite Cause may have the same Effect; and that Liquids lose a deal more of their Parts in the severest Frost, than when the Air is moderately warm. In the great Frost of the Year 1708, he found, that the greater the Cold, still the more considerable the Evaporation; and that Ice it self lost such as the warmer Liquors that did not freeze. See FROST.

Dr. Halley furnishes us with some Experiments of the Quantity, or Measure of the Evaporation of Water. --- The

Refult is contain'd in the following Articles:

1°. That Water falted to about the same Degree as Salt Water, and exposed to a Heat equal to that of a Summer's Day, did, from a circular Surface of about Eight Inches Diameter, Evaporate at the Rate of 6 Ounces in 24 Hours. Whence, by a Calculus, he finds, that the Thickness of the Pellicle, or Skin of Water Evaporated in two Hours, was the 53d Part of an Inch: But, for a round Number, he supposes it only a 60th Part; and argues thence, that if Water as warm as the Air in Summer. mer, evaporates the Thickness of one 60th Part of an Inch in two Hours, from its whole Surface; in twelve Hours it will exhale one tenth of an Inch. Which Quantity, he observes, will be found abundantly sufficient to furnish all the Rains, Springs, Dews, &c. See Spring, &c.

In Effect, on this Principle, every 10 Square Inches of the Surface of the Water, yields in Vapour, per diem, a Cubic Inch of Water; and each Square Foot half a Wine Pint; every Space of 4 Foot Square, a Gallon; a Mile Square, 6914 Tons; and a Square Degree, suppose of 69 English Miles, will Evaporate 33 Millions of Tons. See

2°. A Surface of Eight Square Inches, Evaporated, purely by the natural Warmth of the Water without either Wind or Sun, in the Course of a whole Year, 16292 Grains of Water, or 64 Cubic Inches; consequently, the Depth of Water thus Evaporated in one Year amounts to 8 Inches. But this being much too little to answer the Experiments of the French, who found, that it rain'd 19 Inches of Water in one Year at Paris; or those of Mr. Townley, who found the Annual Quantity of Rain in Lancashire, above 40 Inches: He concludes, that the Sun and Wind contribute more to Evaporation, than any internal Heat, or Agitation of the Water. See RAIN.

3°. The Effect of the Wind is very confiderable, on a double Account. For the fame Observations shew a very odd Quality in the Vapours of Water, viz. that of adhering and hanging to the Surface that exhaled 'em, which they clothe, as it were, with a Fleece of vaporous Air; which once investing the Vapour, it thenceforwards rifes in much less Quantity. Whence, the Quantity of Water lost in 24 Hours, when the Air was very still from Winds, was very finall; in proportion to what went away when there was a strong Gale of Wind Abroad to diffipate the Fleece, and make Room for the Emission of Vapour: And this, even the the Experiment was made in a Place as close from the Wind as could be contrived.

Add, that this Fleece of Water hanging on the Surface of Waters in still Weather, is the Occasion of very strange Appearances, by the Refraction of the Vapour's differing from, and exceeding that of common Air. Whence every Thing appears rais'd, as Houses like Steeples, Ships as on Land above the Water, the Land rais'd, and as it were lifted from the Sea, &c.

4°. The fame Experiments shew, that the Evaporations in May, June, July, and August, which are nearly equal, are about three Times as great as those in the Months of No-

vember, December, January, and February.

EVAPORATION, in Pharmacy, an Operation by which the more aqueous and volatile Parts of Liquids are spent, or drove away in Steam; fo as to leave the remaining Part stronger, or of a higher Confishence than before. Evaporation is properly the fetting a Liquor over a gentle Heat, to carry off the most fluid and volatile Parts, without lessening the Quantity of the other Matter the Liquor is in pregnated withal.

Evaporation differs from Exhalation, in that the former is practifed on moist Things, and the latter on dry. See

EXHALATION.
To Evaporate ad Cuticulam, to a Pellicle. See Cuti-

EVATES, a Branch, or Division of our old Philosophers the Druids. See DRUID.

Abo Dhilosophers among the Britains

Strabo distributes the Philosophers among the Britains and Gauls, into three Sects. Bάς δοι, Bards, Ovarus, Evates, and Δροιδαι, Druids. He adds, that the Bardi were Poets and Musicians; the Evates, Priests and Naturalists; and the Druids, Moralists as well as Naturalists.

But Marcellinus, Lib. 15. Vossius Philos. Lect. 1. 2. and Hornius Hist. Philosoph. 1. 2. c. 12. reduce 'em all to two

Sects, viz. Bardi and Druides.

And, lastly, Cesar, lib. 6. comprehends 'em all under the

Name of Druids.

The Evates, or Vates, of Strabo, might probably be what other Authors, and particularly Ammian. Marcellin. calls Eubages. But M. Bouche, in his Hift. de Provence, L. II. c. 2. diffinguishes between 'cm. The Vates, he fays, were such as took Care of the Sacrifices, and other Ceremonies of Religion; and the Eubages, those who spent their Time in the Search and Contemplation of the great Mysteries of Nature. See Eubages.

EUBACES, an Order of Priests, or Philosophers, among

the ancient Cettæ or Gauls.

Chorier takes the Eubages to be the same with the Druids, and Saronide of Diodorus: Others take the Eubages to be those whom Strabo L. IV. p. 197. calls Ovares, Evates, or Vates: On which Principle there were Room to conjecture, that the Word should be wrote Ovases; it being easy to mistake a T for a T. See

Be this as it will, the Eubages appear to have been different from the Druids. See what has been shewn under

the Article DRUID.

EUCHARIST, Eucharistia, the Sacrament of the Supper; or a Communication of the Body and Blood of Chrift, under the Species, or Figures of Bread and Wine. See COMMUNION, SACRAMENT, SPECIES, TRANSUBSTANTIA-TION, CONSUBSTANTIATION, &c.

The Word in its Original Greek, Euzaeisia, literally imports Thanksgiving; being form'd of su, bene, well, and

xaeis, gratia, Thanks.

EUCHITES, or EUCHETES, a Sect of ancient Hereticks, thus call'd, by reason they pray'd without ceasing; imagining that Prayer alone was sufficient to save 'em. See PRAYER.

Their great Foundation, were those Words of St. Paul, Epist. 1. to the Thessalon. C. 5. V. 17. Pray without

ceafing.

The Word is form'd of the Greek, Eugh, Prayer; whence Eugera, the same with the Latin Precatores, Prayers. They were also call'd Enthusiasts and Messalians.

ENTHUSIAST.

St. Cyril of Alexandria, in one of his Letters, takes Occasion to censure certain Monks in Egypt, who, under Pretence of resigning 'emselves wholly to Prayer, led a lazy, scandalous Life. The Orientals, however, lay a further Charge on the Euchites, or Messanses

EUCHOLOGUS, EUCHOLOGUE, a Greek Term, fignifying, literally, a Difcourfe on Prayers; being form'd of

èυχο, Prayers, and λογΘ, Discourse.

The Euchologus is properly the Greek Ritual, wherein is prescribed the Order and Manner of every Thing relating the Order and Administration of their Ceremonies, Sacraments, Ordinations, &c.

Fa. Goar has given us an Edition of the Greek Eucho-

logue in Greek and Latin, with Notes, at Paris.

EUCHRASY, from so, bene, good, and xesons, Temperamentum, Conflitution, is an agreeable, well proportion'd Mixture of Qualities; whereby a Body is faid to be in good Order, that is, in a good State of Health. See Tem-PERAMENT.

EUDOXIANS, a Party, or Sect of Hereticks, of the IV th Century; denominated from their Leader Eudoxius, Patriarch of Alexandria and Constantinople, a great De-

fender of the Arian Doctrine.

The Eudoxians, then, adhered to the Errors of the Arians and Eunomians; maintaining, that the Son was created out of Nothing; that he had a Will diffinct and different from that of the Father, &c. See ARIANS and

EVECTION, is used by some Astronomers for the Li-bration of the Moon. See LIBRATION.

EVEN Number, is that which may be divided into two equal Parts, or Moieties. See Number.

EVENLY even Number, is which is exactly divisible by an Even Number taken an Even Number of Times; fuch is 32; fince divisible by eight, taken four Times.

EVENLY odd, is that which an Even Number measures

by an Odd one; as 30, which is measured by 6, taken five

EVERGETES, a Greek Term, fignifying Benefactor; being form'd of ev, bene, well, and epper, opus, Work.

It is still retain'd in our Language, by Way of Addition, or Epithet, given to several Princes, or Kings of Syria and Egypt, who succeeded Alexander. Thus we say, Ptolomy Evergetes King of Egypt; Antiochus Evergetes King of Syria ascended the Throne 139 Years before

EVER-GREENS, or Perennials, fuch Plants as continue their Verdure, Leaves, &c. all the Year. See PLANT,

Of these, our Gardeners reckon twelve, sit for English Air, viz. the Alaternus, Arbutus, Bay-Tree, Box-Tree, Holley, Juniper, Laurus tinus, Phylirea, Pyracantha, or Ever-green Thorn, Italian green Privet, and the

EVIDENCE, a Quality in Things whereby they become visible and apparent to the Eyes, either of the Body, or the Mind. See KNOWLEDGE.

The Schoolmen diffinguish Evidence, into formal and

objective.

Formal Evidence, is the Act of the Intellect, confider'd

as clear and distinct.

Objective Evidence, confifts in the Clearness and Perfpicuity of the Object; or it is the Object it felf, fo conflituted, as that it may be clearly and distinctly known.

Others divide Evidence into Moral, Physical, and Me-

Others divide Evidence into Moral, Physical, and Metaphysical.

A Thing is faid to be morally Evident, so far as I have a distinct Notion, or Knowledge thereof, by unexceptionable Witnesses. Physically, so far as natural Sense and Reason pointing out any Thing, convinces one thereof. Metaphysically, when I enter so fully and clearly into the Essence, is the essential and infallible Character, or Criterion of Truth; and is that, in Essect, which with us constitutes Truth. See Truth.

If Evidence should be found in Propositions that are false, we should be compelled into Error; since the Assent we give to Evidence is necessary. Whence would follow this impious Position, that God who made us, is the Author of our Errors, as he has constituted us so, as to put us under a Necessary of falling into em. See Error.

It may be added, that as we necessarily love Truth, and hate Error, it seems inconsistent with the Nature of a horesees. Pring to form us with a Love of what we

and hate Error, it feems inconfishent with the Nature of a beneficent Being, to form us with a Love of what we could not obtain, or not know whether we did obtain it or not: Befide that, if we should err in Things that are Evident, as well as in those that are not so, we should sometimes find Contradictions in Evident Propositions, as

we commonly do in Things that are obscure.

Evidence therefore must be allow'd the Mark of Truth; and those Things must be allow'd true, which carry with 'em such a Degree of Evidence, as obliges us to affent to 'em. Whatever we see Evidently agreeable to the Things whereof we speak, that we must acknowledge to be true. See FAITH, OPINION, VERISIMILITUDE, &c.

The Epicureans allow of no other Evidence but that of

Sense; or that arising from Sense, (it being a fundamental with them, that Sense is the first and primary

mental with them, that Sende is the first and primary Criterion of all Truth) See Falshood and Fallacy.

By Evidence of Sense, they mean that Species, or Image, exhibited by the Sense, or Phantasie; which, when all Impediments to a just judging, as Distance, Motion, Medium, &c. being removed, cannot be contradicted, or gain-say'd. Wherefore, the Question being put, whether or no a Thing be such as it appears; the Answer is not to be given, till it have been tried and examined all the Ways, and by all the Senses that it can be an Object of. See Sense, Criterion, Epicureans, &c.

EVIDENCE, in Law, is any Proof, be it Testimony of Men, Records, or Writings: It is thus call'd, because the Point in Issue is hereby made Evident to the Jury. See TESTIMONY, WITNESS, &c.
Sir Tho. Smith restrains Evidence to authentic Writings of Contracts, written, seal'd, and deliver'd. De Rep.

Angl. Lib. II.

EVIL, Malum, in Ethicks, a Privation, or Absence of fome proper, or necessary Good; or some due Measure, or

Degree thereof. See Good.

The Schoolmen deny, that any thing is every way Evil; and restrain all Evil, to be only so, quoad boc;

as the Thing wants this, or that Degree of a certain Qua-lity, necessary to constitute it, in that respect, good. There Neck, but sometimes also on the other glandulous Parts, is nothing Evil, say they, without some Good in it wherein as the Breasts, Arm-pits, Groin, &c. See Strume and the Evil refides as in its Subject; for, as it is a Being, and as every Being depends on the Supreme Being, it cannot but be good, as flowing from the Supreme Good.

Evil is either Natural or Moral; between which there

is this Relation, that Moral Evil produces Natural.

Moral Evil, is defined a Deviation from right Reason, and confequently from the Will and Intendment of the Great Legislator, who gave us that as a Rule: This the Philosophers call *Inhonestum* and *turpe*, as staining the Image of God, and fullying our original Beauty; likewise malum culpe.

Natural Evil, is a Want of something necessary to the bene effe, or Perfection of a Thing, or to its answering all its Purposes. Such are Defects of the Body, Blindness,

Lameness, Hunger, Diseases, Death.
This Species of Evil is denominated triste, injucundum,

noxium; and malum pone.

Again, Evil is either such in it self, as Envy, Impiety, &c. or, to another; as Meat, which in it self is good, may be Evil to a Man on Account of some Disease; as

Wine to a Feverish Person, &c.

Thus far the Schools have gone in the Nature and Reason of Moral and Natural Evil: A late excellent Author sets the Thing in another Light, and surnishes a much finer, more adequate Theory of Moral Good and Evil. Inquir. into the Origin of our Idea's of Beauty and Virtue and Virtue.

Moral Evil, according to this Philosopher, denotes our Idea of a Quality apprehended in Actions which excite Aversion and Dislike towards the Actor, even from Persons who receive no Difadvantage thereby: As Moral Goodness denotes our Idea of a contrary Quality which procures Approbation and Love towards the Actor, even in Persons

unconcern'd in its natural Tendency.

This Notion supposes an universally acknowledged Difference of Moral Good and Evil, from Natural. Moral Good, we all know, procures Love towards those we apprehend possess'd of it: Whereas Natural Good does not. How differently, for instance, are we affected towards those we suppose posses'd of Honesty, Faith, Generosity, &c. when we expect no Benefit from those Qualities: And those posses'd of the natural Goods, as Houses, Lands, Gardens, Health, Strength, &c. So, whatever Quality we apprehend morally Evil, raifes our Hatred towards the Person in whom we observe it; as Treachery, Cruelty, Ingratitude,

Ec. Whereas we love and pity many exposed to natural Evils, as Pain, Hunger, Sickness, &c.

The Origin of these different Idea's of Actions, has greatly puzzled the Moralists: The Generality make Self-Interest, or Self-Love, the Source of 'em all: We approve the Virtue of others, as it has fome small Tendency to our Happiness, either from its own Nature, or from this general Confideration, that a Conformity to Nature and Reason is in the general advantageous to the whole, and to us in particular: And, on the contrary, disapprove the Vice of others, as tending at the long Run to our particular

Detriment.

Others suppose an immediate natural Evil, in the Actions call'd Vicious; that is, that we are determined to perceive fome Deformity or Difpleasure from such Actions, without reflecting on any Disadvantage that may any way redound to us from the Action; and that we have a fecret Sense of Pleasure accompanying such of our own Actions as are call'd virtuous, when we expect no further Advantage from 'em: But then they add, that we are excited to perform those Actions, even as we pursue or purchase Pictures, Statues, Landskips, &c. from Self-Interest, to obtain the Pleasure which accompanies the Action.

But the Author just mention'd has shewn the Mistake: Some Actions, he proves, have to Men an immediate Goodness, and others an immediate Evil, i. e. We perceive Pleasure in some, and Pain in others, and are determined to love, or hate the Doers, without any View of natural Advantage, without any View to future Rewards or Punishments, or even without any Intention to obtain the Bollandus remarks further, that the Eucharist it self was sensible Pleasure of the Good; but from a very different call'd Eulogy. Act. Sanct. Jan. T. II. p. 199. Principle, viz. an internal moral Sense, or a natural Determination of the Mind, to receive amiable, or disagreeable Idea's of Actions, when they shall occur to our Observa-tion, antecedently to any Opinions of Advantage or Loss to redound to our selves from 'em; even as we are pleas'd with a regular Form, or an harmonious Composition, without any Knowledge of Mathematicks, or feeing any Advantage in that Form or Composition, different from the immediate Pleafure. See SENSE, GOOD, VIRTUE and VICE, BENEVOLENCE.

EVIL, or Kings-EVIL, in Medicine, a Disease by the Physicians call'd Strume, and Scrophule, confisting of

SCROPHULE.

The Kings of England and France, have, of a long Time, pretended to the Privilege of Curing the Kings-Evil

by Touching. See Touching.

The Right, or Faculty, 'tis faid by fome, was originally inherent in the French Kings; and those of England only claim'd it, as an Appendage, or Appurtenant to that Crown, to which they laid a Claim. Tho' fome of our own Markith With the Thing or a different Form own Monkish Writers set the Thing on a different Footing; and will have it to have been practifed by our Kings, as early as Edward the Confessor; which Opinion

the ingenious Mr. Becket has abundantly overthrown.

Raout de Pruelles, addressing his Translation of St.

Augustin, de Civitate Dei, to Charles V. of France,
says expressly, Vos Devanciers, & vous avez telle Vertu & Puissance que vous est donnee & attribuee de Dieu que vous faites Miracles en votre Vie, telles, si grandes Es si apertes que vous Garisses d'une tres horrible Maladie ques' appelle les Escrouelles [i. e. the Kings-Evil] de laquelle nul autre Prince terrien ne peut garir hors

Steven de Conti, a Religious of Corbie, who lived in the Year 1400, and wrote a History of France still pre-ferved in MS. in the Library of St. Germains des prez, describes the Practice of Touching for the Evil. After the King had heard Mass, a Vessel of Water was brought him, and his Majesty having put up his Prayers before the Altar, touch'd the diseased Part with his right Hand, and wash'd it with the Water.

Matthew Paris will have S. Louis the first who practifed it: Others contend, that King Robert was the first who was gifted this Way. 'Tis certain, we find no mention of any fuch Prerogative, before the Kings of the 11th Century, when that Prince reign'd. Fa. Daniel, Hist. de France, T. I. p. 1032.

Polydore Virgil strains hard to prove the same Virtue in the Kings of England; but to little Purpose. Favyn

Hift. de Navarre, 1062.

The Continuer of Monstrelet, observes, that Charles VIII. touch'd several Sick Persons at Rome, and cured em, dont ceux des Italies, says he, voyant ce Mystere ne furent onques si emerveillez.

The same Virtue, we know not on what Grounds, is commonly attributed to a Seventh Son, born without any Daughter between: As also to the Chiefs of certain particular Families; particularly, the Eldest Person of the House

of Aumont in Burgundy.

EULOGY, EULOGIA, in Church-History. --- When the Greeks have cut a Loaf, or Piece of Bread, to confecrate it, they break the rest into little Bits, and distribute it among the Perfons who have not yet communicated, or fend it to Persons that are absent; and these Pieces of Bread are what they call Eulogies.

The Latin Church has had fomething of the like Kind, of a great many Ages; and 'twas thence arose the Use of their Holy Bread.

The Name Eulogy, was likewife given to Loaves, or Cakes, brought to Church by the Faithful, to have them

Lastly, the Use of the Term, pass'd hence to mere Prefents made a Person, without any Benediction. See the Jesuit Gretser, in his Treatise de Benedictionibus & Maledictionibus, L. II. C. 24, 25, &c. where he treats of

Eulogies throughly.

From a Passage in Bollandus, on the Life of S. Melaine, C. 4. it appears, that Eulogies were not only of Bread, but any Kinds of Meats blefs'd and hallowed for that Purpofe. Add, that almost every body bless'd and distributed Eulogies: Not only Bishops and Priests, but even Hermits, tho' Laymen, made a Practice of it. Women also would tho' Laymen, made a Practice of it. Women also would fometimes send Eulogies, as appears from the Life of S. Waulry, C. III. n. 14. in the Bollandists. Acta Sanct. Jan. T.I. p. 20.

The Wine fent as a Present, was also held an Eulogy.

The Word is Greek, Europa, form'd of su, bene, well;

and Negw, dico, I say, speak, q. d. Benedictum.

EUNOMIANS, a Sect of Hereticks, denominated from Eunomius, Bishop of Cyzicus, who, in the IV th Century, maintain'd most of the Errors of Arius, and added others to 'em; as, particularly, that he knew God, as well as God knew himfelf. See ARIANS.

He re-baptized fuch as had already been baptized in the Name of the Trinity: He had diffembled his Errors for fome Time, but having at length made a Difcovery, he

was expell'd his See.

Ccc \*

Samosata, but could not effect it: In Emperor Vaiens restored him to Cyzicus.

EUNOMIOEUPSYCHIANS, a Sect of Hereticks of

the IV th Century. See HERESY.

The Eunomioeupsychians, mention'd by Nicephorus, L. XII. C. 30. are the fame with those call'd Eutychians by Sozomen, L. VII. C. 17. The Author whereof, according to Sozomen, was an Eunomian, named Eutychus, and not Eupfychius, as Nicephorus has it: And yet this latter Writer only copies Sozomen in this Passage; so that it is pass doubt, they both speak of the same Sect. But on whose Side the Error lies, is not easy to decide: Valesus durst not undertake to shew it; but contented himself to mark the Difference in his Notes on Sozomen, as Fa. Fronton has done on Nicephorus.

EUNUCH, EUNUCHUS, a Term applied, in the general, to all who have not the Faculty of Generating, either thro Imbecility, or Frigidity; but particularly to fuch as have been castrated, or have lost the Parts necessary thereto.

See CASTRATION.

In England, France, &c. Eunuchs are never made but on Occasion of some Diseases, which render such an Operation necessary; but in Italy, they make Eunuchs, for the Sake of preserving the Voice; and, in the East, they make Eunuchs to be Guards, or Attendants on their Women.

Great Numbers of Children, from one to three Years of Acceptable Carlos and Italy to supply the Opera's

Age, are yearly callrated in *Italy*, to fupply the Opera's and Theaters, not only of *Italy*, but other Parts of *Europe*, with Singers: Tho' 'tis not one in three, that after having loft their Virility, have a good Voice for a Recompence.

Tavernier affures us, that in the Kingdom of Boutan in the East-Indies, there are every Year made Twenty Thousand Eunuchs, and fold thence into other Countries.

The Seraglio's of the Eastern Emperors, are chiefly ferv'd, and guarded by Eunuchs. And yet we have very good Testimonies, that the rich Eunuchs in Persia and other Countries keep Seraglio's for their own His

other Countries, keep Seraglio's for their own Use.

By an Arret of the grand Chamber of Paris in 1665, it is adjudged, that an Eunuch could not marry, not even with the Consent of the Woman and all the Parties on both Sides.

Claudian has a very fevere Satyr against the Eunuch Eutropius, who had been Elected Consul of Rome. He represents him as an old Woman, dress'd up in the Honours of the Confulate.

The Story of Origen is notorious: That learned and pious Father, upon a too literal Interpretation of that Paffage in St. Matthew, C. XIX. ver. 12. where mention is made of, Eunuchs so born from their Mothers Womb; --- Eunuchs who were made so of Men; --- And Eunuchs who made themselves Eunuchs for the Kingdom

of Heaven: Castrated himself.

In the Councel of Nice, those were condemned, who, out of an indiscreet Zeal and to guard themselves from fenfual Pleasures, should make 'emselves Eunuchs: Such as thus mutilated their Bodies, were excluded from Holy Orders; witness Leontius Bishop of Antioch, who was deposed for having practised this Cruelty on himself. And the Bishop of Alexandria excommunicated two Monks, who had follow'd his Example on Pretence of securing 'emselves from the impetuous Motions of Concupiscence. Several of the Emperors made very severe Prohibitions against the making of Eunuchs, or castrating one's self.

The Word is derived from the Greek, Lunux, Funuch; form'd of euvil exe, Lecti curam habet, q. d. Guardian, or Keeper of the Bed.

or Keeper of the Bed.

In the III d Century, there was even a Sect of Hereticks form'd, call'd Eunuchs, Eunuchi; as having the Folly or Madness, to castrate not only those of their own Persuation, but even all they could lay Hands on. They took their Rise from the Example of Origen, who, upon a Misunderstanding of our Saviour's Words in St. Matthew, made himself an Eunuch, by cutting off the Part, as some say; or, as others, particularly S. Epiphanius, Hæres. 58. by the Use of certain Medicines. These Hereticks were also call'd Valesians. See Valesians.

EVOLVENT, in Geometry, a Term some Writers use for the Curve resulting from the Evolution of a Curve; in Contra-distinction to the Evolute, which is the first Curve supposed to be open'd, or Evolved. See Evolute.

The Evolute always both touches and cuts the Evolvent at the fame Time: The Reason is, that it has two of its infinitely small Sides in common with the Evolvent, or rather exactly placed on two equal Sides thereof. One of 'em withinfide that of the Evolvent, i.e. on the concave Side thereof; and the other, on the convex Side of its correspondent Side: So that the Evolute touches

The Arians endeavour'd to have put him into that of the Evolvent in two Points; whence, instead of being a mossata, but could not effect it: In lieu thereof, the Tangent, it is said to Osculate the Evolvent, and hence it is also call'd Osculator, and Circulus Osculator. See OSCULUM.

There is one, and but one Ofculator, to each Point of the Evolvent; but to the fame Point there are an Infinity of other Circles, which only touch, and don't Ofculate. The Ofculator and the Evolute make no Angle in

late. The Osculator and the Evolute make no Angle in the Place where they touch and cut: Nor can any Curve Line be drawn between; as there may betwixt a Tangent and a Curve. See Angle of Contact.

EVOLUTE, Evoluta, in the higher Geometry, a Curve, first proposed by Mr. Huygens; and fince, much studied by the later Mathematicians. See Curve.

The Evolute is a Curve, supposed to be evolved, or open'd; and which in opening, describes other Curves.

To conceive its Origin and Formation the better; suppose a stexible Thread, wound exactly over the Convexity of any Curve, as ABCG, (Tab. Geometry Fig. 20.) and suppose the Thread fix'd in G, and every where else at Liberty, to A. Now, beginning to unwind the Thread Liberty, to A. Now, beginning to unwind the Thread from the Point, and continuing it to G, and throughout keeping it tight on the Curve Surface ABCG; when the Thread is become quite flraight, and is only a Tangent, FG, to the Curve in the Point G; 'tis evident the Extremity A, in its Progress to G, has described another Curve Line ADEF.

Here, the first Curve ABCG is call'd the Evolute:

Curve Line ADEF.

Here, the first Curve ABCG is call'd the Evolute:
Each of its Tangents BD, CE, &c. comprehended between it, and the Curve ADEF, is call'd a Radius of the Evolute; or Radius Osculi, or Radius Osculator of the Curve ADEF, in each Point D, E, &c. And the Circles whereof the Osculators BD, CE, &c. are Radii, are call'd Circuli Osculatores of the Curve ADEF, in D, E, &c. And lastly, the new Curve, resulting from the Evolution of the first Curve, begun in A, is call'd the Curve of Evolution, or Curve described by the Evolution.

The Radius of the Evolute, then, is the Part of the Thread comprized between any Point where it is a Tangent to the Evolute, and the correspondent Point, where

gent to the Evolute, and the correspondent Point, where it terminates on the new Curve. Which Appellation Radius is the more proper, as one may actually confider this Part of the Thread in every Step it takes, as if it described an Arch of an infinitely small Circle, making a Part of the new Curve, which thus confists of an infinite Number of such Arches, all described from different Centres and different Radii tres and different Radii.

Every Curve, therefore, may be conceiv'd as form'd by the Evolution of another. And we are to find that whose Evolution that form'd it, which amounts to the finding of the Radius of the Evoluta in any Point. For, as it is always a Tangent to the generating Curve, it is properly no more than one of its infinitely small Parts, or Sides prolonged and all its Sides, whose Position is determined prolonged; and all its Sides, whose Position is determined of Course, is no more than the generating Curve it self.

The same Thread is also called Radius Curvedinis,

The same Thread is also called Radius Curvedinis, or Radius Osculi, by Reason a Circle described hereby, from the Centre C, is said to Osculate or kiss it; as both touching and cutting at the same Time, i. e. touching both the inside and the out. See Osculation.

Hence, 1°. The Evolute BCF, (Fig. 21.) is the Place of all the Centres of the Circle that Osculate the Curve described by the Evolution AMI. 2°. When the Point B, salls on A, the Radius of the Evolute MC, is equal to the Arch BC; or to the Aggregate of AB, and the Arch BC. 3°. Since the Element of the Arch Mm, in the Curve described by Evolution, is an Arch of a Circle described by the Radius CM; the Radius of the Evolute the Curve described by Evolution, is an Arch of a Circle described by the Radius C M; the Radius of the Evolute C M is perpendicular to the Curve A I. 4°. Since the Radius of the Evolute M C, is always a Tangent to the Evolute B C F; Curves of Evolution may be described thro' innumerable Points, if only Tangents be produced in the several Points of the Evolute, till they become equal to their correspondent Arches.

The sinding of the Radii of Evolutes, is a Thing of

The finding of the Radii of Evolutes, is a Thing of great Importance in the higher Speculations of Geometry; and even, fometimes, is of Use in Practice, as the Inventor of the whole Theory, Huygens, has shewn in applying it to the Pendulum. Horol. Oscill. Part III. — The Doctrine of the Oscula of Evolutes, is owing to M. Leibnitz; who sirst shewed the Use of Evolutes in the measuring of Curves.

measuring of Curves.

To find the Radius of the Evolute in the divers Kinds

To find the Radius of the Evolute in the divers Kinds of Curves, with Equations to the Evolutes. See Wolf. Elem. Math. Tom. I. p. 524, &c. fequent. Or the Infinim. Petites of Mons. le Marquis de l'Hôpital.

Since, the Radius of an Evolute is equal to an Arch of an Evolute, or exceeds it by some given Quantity; all the Arches of Evolutes may be rectified geometrically, whose Radii may be exhibited by geometrical Constructions; whence we see why an Arch of a Cycloid is double

double its Chord: The Radius of the Evolute being double the fame; and the Evolute of a Cycloid, being it

felf a Cycloid. See RECTIFICATION, CYCLOID, &c.
Monf. Varignon has applied the Doctrine of the Radius
of the Evolute to that of Central Forces; fo that having the Radius of the Evolute of any Curve; one may have the Value of the Central Force of a Body which moving in that Curve, is found in the fame Point where that Ray terminates: Or reciprocally, having the Central Force given, the Radius of the Evolute may be determined. Hift. de l' Acad. Roy. des Sciences. An. 1706.

Imperfect EVOLUTE. Monf. Reaumur has given a new

Kind of Evolute under this Denomination. Hitherto, the Mathematicians had only confider'd the Perpendiculars let fall on the Points of the Convex Side of the Curve: If other Lines, not perpendicular, were drawn upon the fame Points, provided they were all drawn under the fame Angle, the Effect would be the same; that is, the oblique Lines would all intersect within the Curve, and by their Intersections, form the infinitely small Sides of a new Curve, whereof they would be fo many Tangents.

This Curve would be a Sort of Epicycloid, and would have its Radii; but, an imperfect one, fince the Radii are not perpendicular to the first Curve. Hist. de l'Acad.

EVOLUTION, in Geometry, the unfolding, or opening, of a Curve, and making it describe an Evolute.

For the Nature of Evolution. See Evoluta.

The Equable Evolution of the Periphery of a Circle, or other Curve, is such a gradual Approach of the Circum-ference to Rectitude, as that all its Parts do meet together, and equally evolve, or unbend; fo that the same Line becomes successively a less Arc, of a reciprocally greater Circle, till at last they change into a straight Line. In Philos. Transact. No. 260. a new Quadratrix to the the Circle, is found by this Means, being the Curve described by the equable Evolution of its Periphery.

EVOLUTION is also used for the Extraction of Roots out of Powers, in which Sense it is directly contrary to

Involution. See Extraction.

EVOLUTION, in the Art of War, is a Term applied to the divers Figures, Turns, and Motions, made by a Body of Soldiers, in ranging them in Form of Battle, or in changing their Form; either in the Way of Exercise, or tation.

when in actual Engagement.

'Tis by the Evolutions, that the Form, and Posture of a Batallion, Squadron, &c. are changed; either to make good the Ground they are upon, or to posses themselves of another, that they may attack the Enemy, or receive an Onset more advantageously.

The Military Evolutions, are Conversions, Countermarches, or Wheelings, Doublings of Rank or File, &c.

See Conversion, &c.

Fa. Hoste, a Jesuite in 1697, printed a Treatise of Naval Evolutions, in Folio: — By Naval Evolutions, he means the Motions made by a Fleet, Squadron, or Naval Armament, in order to put themselves into a proper Arrangement, or Situation, for attacking the Enemy, or defending themselves with the most Advantage.

The Word is Latin, Evolutio, form'd of the Preposition e, out, and volvo, I roll or wind, q. d. an unwinding,

or unrolling

EUPHONY, EUPHONIA, in Grammar, an Eafiness, Smoothness, and Elegancy of Pronunciation. See Pro-

The Word is Greek, form'd of &, bene, well; and

pavil, Vox, Voice.

Quintilian calls the Euphonia, Vocalitas; Scaliger,

facilis pronunciatio.

The Euphonia is properly a Kind of Figure, whereby we suppress a too harsh Letter, or convert it into a smoother, contrary to the ordinary Rules. There are Examples enough in all Languages

EUPHORBIUM, or EUPHORBIA, in Pharmacy, a Kind of Gum, brought from Africa, in little roundish Pieces, whitish when new, and yellowish when old, very sharp to the Tafte, but void of Smell. See Gum.

The principal Use of Euphorbium, is external; being a great Ingredient in divers resolutive Plasters, as well as in Tincture, and Powder for stopping of Gangrenes, cleansing of

foul Ulcers, and extoliating carious Bones.

Internally used, 'tis a Purgative, but so violent a one, that 'tis almost out of Doors, as tearing off the necessary Mucus or Covering of the Stomach and Bowels, and occasioning Dysenteries. Yet we are told the Africans use it very commonly; tho' they first quench its Fire in Purslain Water.

Its Powder is a violent Sternutatory, and to be used very cautiously, and never alone, but mix'd with a small Quantity of some other Powder, to guard against its intolerable

The Gum we call Euphorbium, is form'd of the Juice of a Tree, or rather Plant, of the fame Name, pretty frequent in Mauritania; tho' the Species of the Tree, or Plant, has been greatly controverted. The Generality of our latest Botanists, make it a ferulaceous Plant; and Mr. Professor Hermannus calls it the Tithymalus Mauritanus Aphysios Angulosus & Spinosus. Hort. Acad. Lug. Ba-

It has no Leaves; but in Lieu thereof puts forth along its Stem a Kind of long prickly Eyes, or Buds. Buds, it is, that yield that gummy Juice, call'd Euphor-

bium Officinarum.

Some Authors will have it, that the Gum is drawn from the Plant by Incifion; others, on the contrary, fay it oozes fpontaneously: The Juice, we are told, is fo very subtile, and penetrating, that the Person who taps the Tree, is forced to stand at a good Distance, and make the Incision with a long Distance. with a long Pike; otherways it gets to the Brain, and occasions dangerous Inflammations. It oozes out in great Abundance, and is gather'd in a Sheep's Skin, wrapp'd round the Tree.

Pliny tells us, that the first Discovery of Euphorbium is attributed to Juba King of Lybia, who denominated it from Euphorbius his Physician, Brother of Musa, Phy-

fician to Augustus.

Etmuller affures us, that the Plant, which yielded the Euphorbium of the Antients, is now unknown to us; but if we go by Pliny's Description, the Plant call'd Schadida Calli in the Hortus Malabaricus, must be the antient Euphorbium. This Discovery is owing to Commelinus, Bourguemaister of Amsterdam, and Professor of Bostany.

EUPHORY, fignifies the same as Euchrasy.

EUCHRASY

EUPSYCHIANS. See Eunomioeupsychians.

EURIPUS, in Hydrography: The Word, originally and properly, fignifies a certain Streight of the Sea, between Bœtia, and the Negropont; where the Currents are fo flrong, that the Sea is faid to Ebb and flow feven Times a Day; in which Place, as the Story commonly goes, Aristotle drown'd himself, out of Chagrin, for not being able to account for fo unufual a Motion.

But Euripus has fince become a general Name for all Streights, where the Water is in great Motion and Agi-

The antient Circus's had their Euripi, which were no other than Pits, or Ditches, on each Side the Course; into which it was very dangerous falling with their Horses and Chariots, as they run their Races.

The Term was also applied by the Romans, in Parti-cular, to three Canals, or Ditches, which encompassed the Circus on three Sides; and which were fill'd occasionally,

to represent Naumachia, or Sea Battles.

The same People call'd their smallest Fountains, or Jets d' Eau, Canals in their Gardens, Euripus's; and their largest, as Cascades, &c. Niles.

The Word is derived from the Greek, su, facilé, eafily,

and entresus, precipitari.

EURUS, EURO-Auster. See WINDS.

EURYTHMY, EURYTHMIA, in Architecture, Painting, and Sculpture; a certain Majesty, Elegance, and Easiness appearing in the Composition of divers Members, or Parts of a Body, Building, or Painting; and refulting from the fine Proportions thereof. See PROPORTION.

The Word is Greek, and fignifies literally a Confonance, or fine Agreement, or as we may call it, a Harmony of all the Parts; being compounded of ev, well, and gudus, Rythmus, a Cadence, or Agreement of Numbers, Sounds, or the like Things. See RYTHMUS.

Vitruvius ranks the Eurythmia among the effential arts of Architecture: He describes it as consist-Parts of Architecture: He describes it as confisting in the Beauty of the Construction, or Assemblage of the several Parts of the Work, which render its Aspect, or whole Appearance graceful: E. gr. when the Height corresponds to the Breadth, and the Breadth to the Length, &c.

'From these three Ideas, (or Designs, viz. Orthography, Scenography, and Profile) it is, that the same Eurythmy, 'Majestica, and Venusta Species Edificii, does Result; which creates that agreeable Harmony between the several Dimensions; so as nothing seems disproportionate, 'too long for this, or too broad for that, but corresponds in a just and regular Symmetry, and Consent of all the Parts with the whole.' Evelyn's Account of Archit. &c. See SYMMETRY.

EUSEBIANS, a Denomination given to the Sect of Arians, on Account of the Favour and Countenance, which Eusebius Bishop of Casarea shew'd, and procured for them at their sirst Rise. See ARIANS. EUSTA- EUSTATHIANS, a Name given to the Catholicks of Antioch, in the IVth Century; on Occasion of their Refusal to acknowledge any other Bishop beside S. Eustathius,

deposed by the Arians.

The Denomination was given them during the Regency of Paulinus, whom the Arians substituted to S. Eustarbius, about the Year 330, when they began to hold their

Assemblies apart.

About the Year 350, Leontius of Phrygia, call'd the Eunuch, who was an Arian, and was put in the See of

Eunuch, who was an Arian, and was put in the See of Antioch, defired the Eustathians to perform their Service in that Church; which they accepting, the Church of Antioch service indifferently both the Arians and Catholicks.

This, we are told, gave Occasion to two Institutions, which have subsisted in the Church ever since: The first was Psalmody in two Choirs; but, M. Baillet thinks, that if they instituted an alternate Psalmody between two Choirs, trues between two Catholic Choirs; and not by Way of 'twas between two Catholic Choirs; and not by Way of Response to an Arian Choir. The second was the Doxology, Glory be to the Father, and the Son, and the Holy Ghost. See Doxology.

This Conduct, which feem'd to imply a Kind of Communion with the Arians, gave great Offence to Abundance of Catholicks, who began to hold separate Meetings; and thus form'd the Schissm of Antioch. Upon this, the rest, who continu'd to meet in the Church, ceas'd to be added to the continuent of the Church, ceas'd to be added to the continuent of th Eustarhians, and that Appellation became restrain'd to

the Diffenting Party

S. Flavianus, Bishop of Antioch in 381, and one of his Successors, Alexander in 482, brought to pass a Coalition, or Re-union, between the Eustathians and the Body of the Church of Antioch, described with much Solemnity by Theodoret, Eccl. L. III. C. 2.

EUSTATHIANS, was also a Sect of Hereticks, in the IVth Century; denominated from their Author Eustathius, a Monk fo foolishly fond of his own Profession, that he condemn'd all other Conditions of Life.

He excluded married People from Salvation; prohibited

his Followers from praying in their Houses; and obliged them to quit all they had, as incompatible with the Hopes

of Heaven.

He drew them out of the other Affemblies of the faithful, to hold fecret ones with him; and made them wear a particular Habit: He appointed them to fast on Sundays; and taught them that the ordinary Fasts of the Church were needless, after they had attained to a certain Degree of Purity, which he pretended to. He shew'd a World of Horror for Chappels built in Honour of Martyrs,

and the Assemblies held therein.

Several Women, seduced by his Reasons, forsook their Husbands, and Abundance of Slaves deserted their Masters Houses. He was condemn'd in the Year 342, at the Council

of Gangres, in Paphlagonia.

EUSTYLE, in Architecture, a Kind of Edifice, where the Pillars are placed at a most convenient Diffance one from another; the Intercolumniations being all just two Diameters and a Quarter of the Column; except those in the middle of the Face before and behind, which are three Diameters distant. See INTERCOLUMNIATION.

The Eustyle is a Medium between the Pycnostyle and

Arcostyle. See Pycnostyle, &c.

The Word is Greek, being form'd of ev, bene, well,

and sun Golumn.

Vitruvius, L. III. C. 2. observes, that the Eustyle is the most approved of all the Manners of Intercolumniation; and that it surpasses all the rest, in Conveniency, Beauty, and Strength.

EUTYCHIANS, ancient Hereticks, denominated from Eutyches the Archimandrite, or Abbot of a Monaftery at

Constantinople. See HERETIC.

The Aversion Eutyches bore to the Heresy of Nestorius,

The Aversion Eutyches bore to the Herely of Nestorius, threw him into another Extreme, not less dangerous than that he so warmly opposed; tho' some Passages in St. Cyril, which rais'd the Unity of the Person of Jesus Christ very high, contributed, likewise, to his Delusion.

At first he held, that the Logos, Word, brought his Body down with him from Heaven: which was a near Approach to the Heresy of Apollinarius: And tho' he afterwards testified the contrary in a Synod at Constantinopie, wherein he was condemned; yet he could not be brought to acknowledge, that the Body of Jesus Christ was consubstantial with ours. was confubffantial with ours.

was confubitantial with ours.

In Effect, he did not feem quite fleady, and confiftent in his Sentiments; for he appear'd to allow of two Natures, even before the Union; which was apparently a Confequence he drew from the Principles of the Platonic Philosophy, which supposes a Pre-existence of Souls; accordingly, he believed that the Soul of Fesus Christ had been united to the Divinity before the Incarnation; but then he allow'd no Distinction of Nature in Fesus Christ, since his Incarnation. fince his Incarnation.

See the Differtation of Fa. Hardouin, de Sacramento Altaris, wherein that Jesuit endeavours to unfold all the

Sentiments of the Eutychians.

This Herefy was at first condemned in a Synod held at Constantinople, by Flavian in 448: Was re-examined, and fulminated in the General Council of Chalcadon in 451.

Constantinople, by Flavian in 448: Was re-examined, and fulminated in the General Council of Chalcedon in 451. The Legates of Pope Leo, who affished thereat, maintain'd, that it was not enough to define that there were two Natures in Jesus Christ, but insisted strenuously, that to remove all Equivocation, they must add these Terms, without being changed, or confounded, or divided.

But this Decree of the Council of Chalcedon, at which affished upwards of 630 Prelates, did not stop the Progress of Eutychianism: Some Bishops of Egypt, who had attended at the Council, upon their Return, proclaimed openly, that St. Cyril had been condemned, and Nestorius acquitted therein: Which occasioned great Disorders; several Persons, under Pretence of contending for the Sentiments of St. Cyril, making no Scruple of weakening the Authority of the Council of Chalcedon.

The Heresy of the Eutychians, which made a very great Progress throughout the East, at length became divided into several Branches. Nicephorus makes mention of no fewer than twelve: Some call'd Schematici, or Apparentes, as only attributing to Jesus Christ, a Phantom, or Appearance of Flesh, and no real Flesh: Others, Theodossus, from Theodossus Bishop of Alexandria: Others, Jacobites, from one James, Jacobus, of Syria; which Branch establish'd it self principally in Armenia, where it still subsists. See Jacobites.

Others were call'd Acephali, q. d. without Head, and

it still subsists. See Jacobites.

Others were call'd Acephali, q. d. without Head, and Severians, from a Monk call'd Severus, who seiz'd on the See of Antioch in 513. See Acephali and Severians.

These last were subdivided into Five Factions, viz. Agnoetes, who attributed some Ignorance to Jesus Christ:

Followers of Paul, Merani, that is, the Black; Angelites, thus call'd from the Place where they affembled. Adrites and Conovites, with divers others.

EUTYCHIANS, were also a Sect half Arian, half Eunomian; which arose at Constantinople, in the IV th Cen-

It being then a Matter of mighty Controversy among It being then a Matter of mighty Controversy among the Eunomians at Constantinople, whether or no the Son of God knew the last Day and Hour of the World; particularly with Regard to the Passage in the Gospel of St. Matthew, C. XXIV. Ver. 36. Or rather that in St. Mark, XIII. 31. where 'tis express'd, that the Son did not know it, but the Father only: Eutychius made no Scruple to maintain, even in Writing, that the Son did know it: Which Sentiment displeasing the Leaders of the Eunomian Party, he separated from 'em, and made a Journey to Eunomius, who was then in Exile.

That Heretick acquiesced fully in Eutychius's Dostrine.

That Heretick acquiefced fully in Eutychius's Doctrine, that the Son was not ignorant of any Thing the Father knew, and admitted him to his Communion: Eunomius dying foon after, the chief of the Eunomians at Conftantinople, refused to admit Eutychius; who, upon this, form'd a particular Sect of such as adhered to him, call'd Eutychius:

call'd Eutychians.

This same Eutychius, with one Theophronius, as was said in Sozomen's Time, were the Occasions of all the Changes made by the Eunomians in the Administration Changes made by the Eunomians in the Administration of Baptism; which consisted, according to Nicephorus, in only making one Immersion, and not doing it in the Name of the Trinity, but into the Death of Jesus Christ. Nicephorus calls the chief of this Sect, not Eutychius, but Eupsychius, and his Followers Eunomioeupsychians. EWRY, an Office in the King's Houshold, where they take Care of the Linen for the King's own Table; lay the Cloth, and serve up Water in Silver Ewers after Dinner; whence the Office hath its Name.

EXACERBATION, the same as Paroxysm. See Paroxysm.

ROXYSM.

EXACTION, in Law, is a Wrong done by an Officer, or one pretending to have Authority, in taking a Reward or Fee, for that which the Law allows not.

The Difference between Exaction and Extortion confifts in this, that Extortion is where the Officer takes more

in this, that Extortion is where the Officer takes more than his Due: And Exaction, where he wrests a Fee or Reward, when none is due. See Extortion.

EXAGGERATION, in Rhetoric, a Figure whereby we enlarge, or heighten Things; making them appear more than they really are, whether as to Goodness, Badness, or other Qualities.

The Word is form'd of the Latin, Exaggero, I exaggerate; which is a Compound of ex, and agger, a Mound, or Elevation of Earth.

or Elevation of Earth.

EXAGGERATION, in Painting, is a Method of representing Things, wherein they are charged too much, or marked too ffrong; whether in respect of the Design, or the Colouring. Ex gge-

Exaggerating differs from Caricatouring, in that the latter preverts, or gives a Turn to the Features, &c. of a Face, which they had not; whereas the former only improves, or heightens upon what they had.

The latter is a Kind of Burlesque on the Objects, and is generally meant to ridicule. The former is generally an exalting, or enlivening of the Beauties of the Object.

Object. See CARICATOURING.
The Painter is obliged to have Recourse to an Exagge-Ground, the Diffance of his Work; and of Time, and the Air which diminish and weakens the Force of the Colours. But this Exaggeration must be conducted in fuch manner, as not to put the Objects out of their natural Characters. De Piles.

EXAGON, EXACHORD, EXAMILION, &c. See HEXACHORD. HEXAMILION, &c.

EXALTATION, Elevation, is chiefly used in a figurative Sense, for the raising, or advancing a Person to

fome Ecclefiastical Dignity; and particularly, the Papacy.

The Term Exaltation, is in fome measure appropriated to the Pope, and expresses his Inauguration, Coronation, taking of Poffession, and the Beginning of his Pontificate.

See POPE.

EXALTATION of the Cross, EXALTATIO CRUCIS, is a Feast of the Church, held on the 14th of September, in Memory, as is generally supposed, of this, that the Emperor Heraclius brought back the true Cross of Jesus Christ on his Shoulders, to the Place on Mount Calvary, from which it had been carried away fourteen Years before, by Cofroe
King of Persia, at his taking of ferusalem, under the
Reign of the Emperor Phocas. See Cross.

As, the Wars of the Thebans, against their Neighbours the Phocians, was ruinous; consequently, that of the Athenians against their Neighbours, will likewise be

The Cross was deliver'd up, by a Treaty of Peace made with Siroe, Cosroe's Son. -- The Institution of this Feast is commonly said to have been fignalized by a Miracle; in that Heraclius could not stir out of Jerufalem with the Cross, while he had the Imperial Vestments on, enrich'd with Gold and precious Stones; but bore it with Ease in a common Dress.

But long before the Empire of Heraclius, there had been a Feast of the same Denomination observed both in the Greek and Latin Churches, on Occasion of what our Saviour said in St. John XII. 32. And I, if I be exalted, or lifted up, will draw all Men unto me. And again, in Ch. VIII. ver. 28. When they shall have Exalted, or lift up the Son of Man, then shall ye know that I am he. Fa. Du Soulier assures us, that M. Chastelain was of Opinion this Feast had been instituted, at least at So. of Opinion, this Feast had been instituted, at least at ferusalem, 240 Years before Heraclius.

The Feast of the Dedication of the Temple built by Constantine, was held, says Nicephorus, on the 14th of September, the Day the Temple had been consecrated on, in the Year 335; and this Feast was call'd, the Exaltation of the Cross, by reason it was a Ceremony therein, for the Bishop of Ferusalem to ascend a high Place built by Constantine for that Purpose, in manner of a Pulpit, call'd by the Greeks, the Sacred Mysteries of God, or the Holiness of God; and there hoist up the Cross for all the People

to fee it.

EXALTATION, in Physicks, is the Act, or Operation of elevating, purifying, fubrilizing, or perfecting any natural Body, its Principles and Parts; as also the Quality, or Disposition, which Bodies acquire by this Operation.

MATURATION and PURIFICATION.

'Tis this Exaltation of the fulphureous Part in the Straw-berries, that gives them their agreeable, vinous Taft.

Lemery. -- A gentle and temperate Heat of the Body, Exalts and difengages the most volatile Parts of our Food, and difposes 'em for Nutrition.

The Term Exaltation, is peculiarly affected by the The Term Exaltation, is pecuniarly anteced by the form to have fome Chymists and Alchymists, who imagining it to have fome Chymists and Alchymists, who imagining it to have fome Kingdom of Burgundy: A Dignity, till that Time, unextraordinary Emphasis, are using it at every Turn. Most kingdom of Burgundy: A Dignity, till that Time, unknown any where but in Italy, particularly in the City of Ravenna. Menestrier Hist. de Lyons. a red Colour.

EXALTATION, in Affrology, is a Dignity which a Planet acquires in certain Signs, or Parts of the Zodiac; which Dignity is supposed to give 'em an extraordinary Virtue, Efficacy, and Influence.

The opposite Sign, or Part of the Zodiac, is call'd the

Dejection of the Planet. See DEJECTION.

is the Exaltation Thus, the fifteenth Degree of Cancer, of Jupiter, according to Albumazar, by reason it was the Afcendant of that Planet at the Time of the Creation: That of the Sun, is in the 19th Degree of Aries; and its Dejection in Libra: That of the Moon, is in Taurus, &c. Ptolomy gives the Reason hereof in his first Book de Quadrup.

EXAMEN, or Examination, an exact and careful Search, or Inquiry; in Order to discover the Truth, or

Falshood, of a Thing.

The Way of Authority is, without Comparison, more easy, and better proportion'd to the Reach and Capacity of simple Man, than the Way of Discussion and Examen.

Such a Person had his House robb'd; and has made a severe Examination of all his Domesticks, to find out the Criminal. A Student stands a rigorous Examination to be admitted to a Degree of Master, Batchelor, Doctor, Sc.

Self Examination, is a Point much infifted on by Divines, and particularly the antient Fathers, by Way of Preparation, or Introduction, to Repentance. S. Ignatius reduces it to five Points, viz. 1°. A returning of Thanks to God for his Benefits. 2°. A Begging of Grace and Light to know and diffinguish our Sins. 3. A running over all our Actions, Occupations, Thoughts and Words, in Order to learn what has been offensive to God. 4°. A Begging of Pardon, and conceiving a fincere Sorrow for Begging of Pardon, and conceiving a fincere Sorrow for having displeased him. And 5°. A making a firm Resolution not to offend him any more, and taking the necesfary Precautions to preferve us from it.

EXAMINERS, in Chancery, are two Officers, whose Bufinels is to examine, on Oath, the Witnesses produced on both Sides; upon fuch Interrogatories as the Parties to the

Suit do exhibit for the Purpose. See CHANCERY:
EXAMPLE, in Rhetoric, &c. is defined an imperfect Kind of Induction, or Argumentation; whereby it is proved that a Thing which has happen'd on fome other Occasion; will happen again on the present one; from the Similitude of the Cases.

EXANTHEMA, in Medicine, an Eruption, or Efficience on the Skin. See ERUPTION, &c.

Exanthemata are of two Kinds: The one only a difcolouring of the Skin; fuch are the Measles, the purple Spots in malignant Fevers, &c. -- The other are little Eminences, or Papille, standing out from the Skin, not unlike Pustles, only smaller. See MEASLES, &c.

The Word is form'd of the Greek, & Edv Sew, Effervesco,

Effloresco, I flower, or work out.

EXARCH, Exarchus, in Antiquity, a Name given, by the Emperors of the East, to certain Officers sent into Italy, in Quality of Vicars, or rather Præsects, to defend what Part of Italy was yet under their Obedience, parti-cularly the City of Ravenna, against the Lombards, who had made themselves Masters of the greatest Part of the rest.

The Residence of the Exarch was at Ravenna; which City, with that of Rome, were all that was lest the

Emperors.

The first Exarch was the Patrician Boethius, famous for his Treatife, de Consolatione Philosophia; appointed in 568 by the younger Justin. The Exarchs subsissed about 185 Years; and ended in Eutychius; under whose Exarchate, the City of Ravenna was taken by the Lond-

bard King Astulphus, or Astolphus.

Fa. Papebroch, in his Propylæum ad Asta Sanst. Maii, has a Differentiation on the Power and Office of the Exarchus of Italy, in the Election and Ordination of the Pope. The Word is form'd from the Greek, stagy, Chief,

Commander, and particularly in the Factions of Italy. Homer, Philo, and other antient Authors, give the Name Exarch to the Choragus, or Master of the Singers, in the antient Chorus's; or he who fung first: The Word agga, or aexauas, fignifying equally to begin, and to command. See CHORAGUS.

The Emperor Frederic created Heraclius Archbishop of Lyons, a Descendant of the illustrious House of Mont-boissier; created him, we say, Exarch of the whole Kingdom of Burgundy: A Dignity, till that Time, un-

Exarch of a Diocese was, antiently, the same Thing with Primate. This Dignity was inferior to the Patriarchal, yet greater than the Metropolitan. See PRIMATE.

EXARCH, is also an Officer still subsisting in the Greek

Church. See GREEK.

The Modern Exarch is a Kind of Deputy, or Legat a latere of the Patriarch; whose Office it is to visit the Provinces allotted him, in order to inform himfelf of the Lives and Manners of the Clergy; take Cognizance of Ecclefiastical Causes, the Manner of celebrating Divine Service, the Administration of the Sacraments, particularly Confession; the Observance of the Canons, Monastical, Discipline, Affairs of Marriages, Divorces, &c. But above all, to take Account of the feveral Revenues, which the Patriarch receives from feveral Churches; particularly, as to what regards the collecting the lame.

Ddd\*

The Exarch, after having greatly enrich'd himself in Maxim. 'Tis dangerous following the Exception, preserably his Post, frequently rises to the Patriarchate himself. See to the Rule.

PATRIARCH.

EXARCH, is also used, in the Eastern-Church Antiquity, for a General, or Superior over feveral Monasteries: The same that we otherwise call Archimandrite; being exempted, by the Patriarch of Constantinople, from the Jurisdiction of the Bishops; as are now the Generals of the Romish Monastic Orders. See General, &c.

In 493, Sebas was establish'd Exarch, or Chief of all the Anchorites within the Territory of Terrisolom. The Rois

Anchorites within the Territory of Jerusalem. Du Bois.

EXARCH was also a military Dignity. See Du Cange.

EXARTICULATION, a Dislocation of some of the jointed Bones; or a Breach of Articulation. See Dislocation

EXCALCEATION, the Act of putting off the Shoes.

See SHOE.

Among the Hebrews, there was a particular Law, whereby Among the Hebrews, there was a particular Law, whereby a Widow, whom her Husband's Brother refused to marry, had a Right to summons him into a Court of Justice; and upon his Resusal, might discalcease him, i. e. pull off one of his Shoes, and spit in his Face: Which were both Actions of great Ignominy among that People.

The House of the Person who had undergone them, was

thenceforward call'd the House of the Discatceated.

thenceforward call'd the House of the Discalceated.

EXCAVATION, the Act of hollowing, or digging a Cavity; particularly in the Ground.

The Excavation of the Foundations of a Building, by the Italians call'd Cavasione, is settled by Palladio at a sixth Part of the Height of the whole Building. Unless there be Cellars under Ground, in which Case he would have it somewhat more. See Foundation.

The Word is Latin, Excavatio, form'd of ex and cavus hollow, or Cavea, a Pit, &c.

EXCELLENCY, a Quality, or Title of Honour, given to Ambassadors, and other Persons, who are not qualified for that of Highness; as not being Princes; and yet are to be elevated above the other inferior Dignities. See Quality. In England and France, the Title is now peculiar to Embassadors; but very common in Germany and Italy. Those it was first affected to, were the Princes of the Blood, of the several Royal Houses; but they quitted it for that of Highness, upon several great Lords assuming Excellency. See Highness.

See HIGHNESS. Excellency.

The Embassadors have only bore it since the Year 1593, when Henry IV. of France fent the Duke de Nevers, Embassador to the Pope; where he was first complemented with Excellency. After that, the same Appellation was given to all the other Embassadors residing at that Court: From whence the Practice spread thro' the other Courts. See EMBASSADOR.

The Embassadors of Venice have only had it fince the Year 1636, when the Emperor and King of Spain confented to allow it them.

The Embaffadors of Crown'd Heads, diffpute the giving that Title to the Embaffadors from the Princes of Italy; where the Practice is not establish'd.

The Court of Rome never allow the Quality of Excel-lency to any Embassador who is a Churchman; as

judging it a secular Title.

The common Rules and Measures of Excellency are a little varied with Respect to the Court of Rome. — The Embassadors of France, at Rome, antiently gave the Title Excellency to all the Relations of the Pope then reignized the Corollable Colorma, to the Duke de Bracciana. ing; to the Constable Colonne, to the Duke de Bracciano, and the eldest Sons of all those Lords; as also the Dukes Savelli, Cesarini, &c. But they are now more reserved in this Respect; they they still treat all the Roman Princesses with Excellency.

The Court of Rome in their Turn, and the Roman Princes, bestow the fame Title on the Chancellor, Ministers, and Secretaries of State, and President of the Soveraign

and Secretaries of State, and President of the Soveraign Courts in France; the Presidents of the Councils in Spain; the Chancellor of Poland; and those in the sirst Dignities of other States, if they be not Ecclesiasticks.

The Word Excellency, was antiently a Title of Kings and Emperors; accordingly, Anastasius the Library-Keeper, calls Charlemaign, His Excellency. The same Title is still given to the Senate of Venice; where, after saluting the Doge under the Title of Serenissimo, the Senators are addressed to under Tour Excellencies. The Liber Diurmus Pontif. Rom. gives the Title Excellency to the Exarchs and Patricians. See Title.

The Italians and French have improved on simple Excellency; and made Excellentissimus, Excellentissimo, which has been bestowed on certain Popes, Kings, &c.

EXCEPTION, a Reserve; or something set asside, and

EXCEPTION, a Referve; or fomething fet afide, and ot included in the Rule. See Rule.

'Tis become proverbial, that there is no Rule, but has its Exceptions; intimating, that it is impossible to com- lose thereby; and sometimes nothing to be either got or prehend all the particular Cases under one and the same lost: As is the Case when the Exchange is at Par.

Exception, in Law, is a Stop, or Stay to an Action.

See Action.
The Term is used indifferently both in the Civil, and Common Law; and in each, Exceptions are divided into Dilatory and Peremptory. See DILATORY and PEREMPTORY.

Exception, in a general Sense, includes all the Kinds of Desence, or Vindication, which a Person, against whom a Process is brought, makes use of to prevent, or retard

its Effect. See PLEA, &c.

The Civilians reckon three Kinds of Exception; viz. The Civilians reckon three Ichica of the Judge, or Declinatory, whereby the Authority of the Judge, or Court, is difallowed; Dilatory, intended to defer, or prevent the Thing from coming to an Issue; and Peremptory, which are proper and pertinent Allegations, founded on some Prescription that stands for the Desendant; as Want of Age, or other Quality in the Party; or other Matter, that may be decided without entering into a stull Discussion of the Merits of the Cause.

EXCEPTIVE Propositions, are those wherein fomething is affirm'd of a whole Subject, abating some one of the Parts thereof, which is excepted by a Particle, thence call'd an Exceptive Particle, or Particle of Exception.

See Proposition.
Thus, all the Sects of the antient Philosophers, except the *Platonifts*, held God to be Corporeal. Covetousness is inexcusable in Respect of every Thing, but Time.

EXCESS, is destinguished into Natural and Moral:

The first, is a Part whereby one Quantity is greater than another. — Thus, we say, this Line is longer than that; but the Excess is inconsiderable.

The latter, is an Intemperance, or going beyond the just Bounds and Measures prescribed to any Thing: Thus, we say, Excess in Wine, Women, &c. is prejudicial to the Health.

EXCHANGE, a *Permutation*, or an Agreement; whereby one Thing is truck'd or given for another. See Permu-TATION.

The first Commerce carried on among Men, was by The first Commerce carried on among Men, was by Exchange; People surnishing each other mutually with what Things they wanted: But such Exchanges were clogg'd with two considerable Difficulties. 1°. On Account of the unequal Values of Commodities: And, 2°. In that every Body had not just what might accommodate him he would Exchange withal. See Commerce.

To remove these Inconveniencies, Money was invented for a common Medium, and instead of Exchanging, Buying and Selling, was introduced. See Money.

ing and Selling, was introduced. See Money.

Yet there are Nations among whom the Primitive Way of Exchange still obtains: And even among the most civilized People, there are frequent Occasions, wheron they have Recourse to this Method. -- Such, for Instance, is the Trade of several Cities of the North, and Baltic Sea, where the French exchange their Wines and Brandies for Woods, Metals, Hemps and Furs.

Woods, Metals, Hemps and Furs.

The Commerce of Bills of Exchange is, it felf, a pure trading by Exchange; a Truck of Money for Money; of Money, for Inflance, which I have here at London, for what a Merchant, or Banker, has at Venice, Rome, Amferdam, or Conftantinople. In this Sense.

Exchange properly denotes the Business, or Trade of Money, carried on between one Place and another, by Means of Bills of Exchange; i. e. by giving Money in one City, and receiving a Bill to entitle you to receive the Value in another City. See Bill of Exchange.

Exchange, is also used for the Profit, which a Merchant, Negotiant, or Broker, receives for a Sum of Money paid, and for which a Bill of Exchange is drawn payable in some other Place, and by some other Person; for the Interest of his Money, or the Salary and Reward of his Negociation.

Negociation.
This Profit is exceeding various; being fometimes 2, This Profit is exceeding various; being fometimes 2, fometimes 3, 4, or even 10 and 15 per Cent. according as the Alloy of the Species differs, or as Money is more or lefs plentiful, or Bills of Exchange more or lefs fearce in the Places. This Kind of Exchange is ordinarily call'd Real Exchange, and fometimes Mercantile and mixt Exchange. See Par.

The Price of Exchange is regulated according to the Course of the Place where the Bill is drawn, or that of the Place where the Remittance is to be made: Some pretend that 'tis the City of Lyons gives the Law, or Rule, for the Price of Exchange to most of the other Cities of Europe.

The Word Exchange, according to some, is derived from that perpetual Alteration observed in the Price of this Exchange, which is sometimes higher, and sometimes lower;

change, which is fometimes higher, and fometimes lower; there being fometimes fomewhat to get, and fometimes to