others Alianen Plumofiem; this when genuine deferves all the Praifes they bestow upon it, as possessing all the Virtues of A(x) in their highest Degree: But it would be a very satal Error to give the Amianthus, usually met with in the Shops under its Name, internally in its Place.

The chemical Characters of Man are these O or O.

In Medicine it proves a very powerful and valuable Aftringent. Diefectid's and the other old Greek Authors are full of its Praises in stopping Hæmorrhages of all Kinds, and in fastening the Teeth and strengthning the Guins. It was an Ingredient in all their Dentrifices on this Account, and obtains a Place in most of ours also to this Day. It is also a gentle Desiccative, and is good externally in Ulcers. We are fond of it also internally at this Time, in Cases of Bleedings from whatever Part. The best Method of giving it is in Pills, its Tafte being a very displeasing one in a Liquid Form. There is a very good Method of making Pills of it by melting it over the Fire, and adding to it, while in Fusion, a fourth Part of its Weight of Dragon's Blood in fine Powder. The Mass is to be taken from the Fire as soon as the Powder is well mixed in it and made into Pills before it cools. These are to be given half a Dram for a Dose, and in Extremity are to be repeated in the same Dose every three or four Hours, and after the Hemorrhage is stopped, they are to be repeated once or twice a Day for fome Time. As it is not right however to be too fudden in the flopping Evacuations of this Kind on some Occasions, it is necessary to bleed sometimes both before and after the Use of this Medicine; and as it is apt to prove an Aftringent in the Bowels, an emollient Glyfter ought to be occasionally given during the Use of it.

A Gargarism with a large Quantity of Alexa in it has often proved a Remedy in the Beginning of Quinseys, which might else have had fatal Consequences. Three Drams of Alexa may on these Occasions be dissolved in a Pint of Water, and the Mixture sweetened with Syrup of Mulberries, to take off

formewhat of the bad Tafte of this Salt.

The white of an Egg beat up into the Form of an Unquent with a Piece of Name, which is easily done, makes an excellent Liniment to apply over the Eyes in Cases of Inflammation and Defluxions upon them; but it ought not to be suffered to remain too long on them.

In scorbutic Disorders of the Gums All is is found excellent; it is very conveniently used in Form of a Lotion on this Occasion. Four Ounces of Sugar, two of Alum, and one of Camphire, macerated in a Quart of Brandy make

an excellent Lotion of this Kind.

Assim heated red hot among burning Coals and immediately plunged into Vinegar, will diffolve in it; and on Evaporation will form very clear and fine Crystals. These are recommended in intermittent Fevers, a Scruple or more for a Dose, to be given just before the coming on of the Paroxysm.

The Preparations of Allin received at this Time into the Shops are only, 1. The purified Allin 2. The burnt Allin 3. The Sugar Allin, or Alumen Sacebarinum. And 4. The Aqua Aluminofa, or Allin Water of Bates.

Alumen Purificatum, Purify'd Acon.

Take Roman Mann four Ounces, fair Water four Pints; diffolve the Mann over the Fire, and filtrate the Solution. Evaporate a little more than one

third

called Chryfocolla, Gluten Auri, Capiffrum Auri, and Auri colla, because the Goldiniths use it to flux and solder Gold with.

Of Refined Borace.

Pomet. As Natural Borace is found of different Colours, sometimes greenish, and other whiles yellowish,; the Fenetians, who were the first that brought Borace into Vogue, finding it could not be well made use of with its natural Fatness and Unctuosity, considered of a way of purifying of it, by disloving it in Water; then filtrating and crystallizing it, in order to which they made use of Cotton Matches, upon which the Borace is crystallized, after the same Mannes as Sugar-candy or Verdigrise on Sticks or Splinters of Wood.

As for others that do not use Cotton, they reduce the Borace into little Stones of the Form and Figure of the Tag of a Lace, or Point; but as this fort of Borace had a greenish Cast, the Dutch have taken it to Task, and made it whiter and more vendible, and reduced it into larger Pieces, which is what we fell at this Day.

Breace, whether it be the Venetian, or that of Holland, ought to be chosen clear and transparent, of Taste almost insipid, taking Care that it be not mixed with English A., which is difficult enough to discover, if the A. In has been soaked in Water, and then exposed a sew Days to the Air, to give it the natural rough Appearance of Borace; but this Cheat may be easily sound out, if you will put it to the Test: For, first, it will by no means solder Metals; nor, being put upon lighted Charcoal, will it swell and heave like Borace.

Refined Borace is much in Use by a great many sorts of Workmen, and serves as well to solder, as to melt and dissolve Metals: Some use it also in Fucus's. It is of some Use too in Medicine, as it is incisive and penetrating, proper to open Obstructions of the Liver, Spleen, and Mesentery, and to promote the Menses; the Dose is from five Grains to twenty.

[Borace is the Borax, Charlt. Fost. 9. Dougl. Ind. 18. Nitrum factitium, Arabice Borax, Worm. 21. Nitrum unde Borax excoquitur, Aldr. Mus. Met. 324. Both the native and refined are common in the Shops; the native is brought to us in Pieces about the Bigness of a Walnut, foul and earthy, and of a dark green Colour, and greasy. It is had from Persia and other Places, where, in Copper Mines, they find a greenish turbid Water, which they evaporate to a proper Consistence, and afterwards make to a Paste, with the Slime and Mud of the Springs it runs from, and some Quantity

of Animal Fat. This Paste they bury for some Months in the Earth, after which, opening the Pits, they find the Water concreted into knobby Substances, which dug out of the Pits, with the fat Earth about them, are the Native Borax.

The Refined Borax, which is what we most commonly sell, is the native Kind purified by a Lixivium of Quick lime. We formerly had it from Fenice; but now the Trade of refining it is almost entirely in the Hands of the Dutch.

This is the Borax of the Shops at prefent; but it is evident, that it is very different from the Chrysocolla of Dioscorides and Galen, which was a green metallick Substance, sound sometimes like a loofe Sand, and fometimes adhering to other metalline Matters, and was a kind of native Verdigrife, not foluble in Water, which, taken inwardly, always proved Emetick, and fometimes poisonous. They had also, beside this native Chrysocella, two factitious Kinds, the Herbacea and Santering: The Herbacea was made of the native Chrysocalla, bruised, calcined, and macerated in Vinegar, tinged with Luteola, or Dyers Weed; and the Santerina, of Cyprian Verdigrise and Urine, with the Addition of Nitre. These, it is plain, must also be very different from our Borax; but whether the Tincar of the Arabians differs from it or not, is not easy to determine, as none of it comes to our Hands.

Our Borax is a fixed alcaline Salt, something of the Nature of Salt of Tartar; but differing from it in this, that it unites with Acids without Tumult. It yields nothing in Distillation but an inshipid Phlegm: A Solution of it turns Syrup of Violets green; and a Solution of corrolive Sublimate to a Saffron Colour.]

16. Of Alam.

r i 💚 is a fossil Salt drawn from Pome!. - L Stones of different Bigness and Colour, in several Parts of Europe, especially in Italy, England, and in France. After Alex Stone is taken out of its Bed or Quarry, as you take other Stones, it is burnt in a Kiln made on Purpole as you do for Lime, or the like; and when it is calcined, its Salt, which is the , is drawn out with Water, proceeding after the same Manner as in making Salt-petre. A certain Person in the World, in the Presence of a Man of Worth, maintained, that Urine was made use of instead of Water in drawing this Salt; but fince his Authority is not sufficient to make him credited. I chuse rather to rest satisfied with what Matthielus, upon Dioscorides, has written of it, who having been an Eye-witness of the Fact, has given us an ample

Descri-

Description of it in his Book, Page 733. to which

my Reader may have Recourse.

We commonly fell fix forts of North, to wit, the Plumous of the Reman, or Earth Flax; the Reman, English, Liege, Burnt Man, and the Sugar of the Round, Liquid, and Black Man I know nothing of them.

Of Plumous Alama.

Plumous 1/2 m is a Mineral found in Pomet. the Negropent, which fome will have to be the Stone which the Antients called Lapis Amiantus; but as I am not fure of the Thing, I will content myself to say, that the Plumous which we fell, is a fort of thready Stone, of divers Colours, but most commonly of a greenish white, in Figure pretty much resembling Venice Tale, excepting only that it is not so green nor shining; and inflead of parting into Scales, this rifes in white fost Threads or Filaments, like the Feathers of a Quill, from whence comes its Name; and accordingly most Part of the Plumous or Feather All m one meets with, is almost ever in small Fibres, and but little in Stone, proper to fpin and make the perpetual Matches. This Plumous Alors, to which fome have given the Name of that of Sicily, is of very little Use in Medicine, and at present it is almost of no Use, since the Secret of drawing it out into Threads, or spinning it, has been lost. The Cloth made with this fort of Alam when dirty, to be made clean, needed only so be thrown into the Fire, and it would come out thence as white as Snow. And with this fort of Cloth did the antient Romans preserve the Ashes of their Emperors, and separate them from those of the aromatick Wood, wherewith their Bodies were burnt. Some People, at this Day, also make use of this Plume Ame, instead of Cotton, to make Matches; and to that End it ought to be in long Wicks, and as fost as possible. This American is a strong Corrosive, or Escharotick; for what Part soever of the Body it touches, it causes Whelks and Blifters, and a most intolerable Pruritus or Itch, which is to be appealed only, that I know of, by anointing the Part with Oil of Olives. Besides this Plume , we begin to sell a certain Stone Mineral, ponderous, white, woolly, and, in a word, wholly like to Plumous A., and incombustible also, wherefore it has obtained the Name of Astrophes, which in Greek signifies incombustible; and by Corruption we call it vulgarly Albeftes.

This Stone is found in many Places in France, more especially in the County of Foyx in Gascoign, where there are Quarries out of which Stones of a surprizing Magnitude are taken, and from which Vol. II.

Cotton Threads may be drawn fit to make Cloth, and to endure whitening or cleanling in the Fire, like that of Feather already spoken of. And belides this, there are found in France (particularly about the Pyrences in the Valley of Campan, near the Stone Quarries, about three Leagues from Grippa) certain Plants about two Feet high, which have Stalks all as it were filvered over, their Leaves like those of a Nettle, excepting only that they are white underneath, of a dark green at Top, and resembling Shagreen. This white Stalk steeped in Water, like Hemp, may be run into a long and round fort of Flax or Tow, of which good Cloth may be made, that will refift the Fire like Plumous ..., only it will not whiten fo well. And it is to be remarked, that when this Flax is put into the Fire, it immediately grows red, but black if applied to a Candle. Perhaps what I fay may not cassly meet with Credit; but since I have fome of it in my Possession to show to those who would not believe, and the Person who has collected it is still in Being, and a Man of Reputation and Fidelity, I thought it might not be amifs to advertise the Publick, that Plumour In and what we call the Afheilos, are not the only Drugs in Nature capable of enduring or relifting the Fire.

This incombustible Plant might be called Afbestos, and the Tow that comes of it Incombustible Flax, being long, large, and soft, like Flax.

Alumen Plumeum, frue Alumen Scissile, or Feethered in, is a kind of stringy Lemery. Tale, like the Feathers of a Quill, whence they call it Feathered in the It is very soft to the Touch, of a white, greenish, shining Colour, is produced in the Mines of Negropont. It will neither stame nor consume in the Fire. Some Alchymish use it for Wicks in their Lamps; it is called Scissile, because it is easy to break and divide.

Of Alam of Rome.

Roman Mann, which we also call Alam Pomet. of Givita Vecchia, because great Quantities are made in the Neighbourhood of that City, is a Stone Alum of a middle Size, red without, and within, clear and transparent, and of a disagreeable styptick Taste. This Alum is of a reddish Colour; the Mine from whence it is drawn being of the same.

Chuse the Roman Alam that is reddish throughout, in the Inside as well as the Outside, because there are some who colour the English and Liega Alam of a dark Red, but the Cheat is easily discovered; for if you find it not as red within as without, it is a Sign it is counterseited. It ought to be as free of small or broken Pieces as possible;

which