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themfelves, fuppreffing the name of the ingenious Spaniard ; but this perfon, whofe name was Jofeph Lucatelli, was a native of Carinthia, one of the provinces of the houfe of Auftria, who having made his experiments before the emperor Leopold in 1663, at the caftle of Laxemberg, near Vienna, obtained a certificate of its utility from the imperial court, and then came to that of Madrid, and performed other experiments equally fucceffful at the Buen Retiro, in the prefence of Philip the 4 th, from whom he obtained an exclufive patent for the fole vending of his plough for 24 reals plate in Europe, (about 11 s.) and 32 reals plate (about 14 s . 6 d .) in America, of which a printed account was publiffed by Lucatelli, at Seville, in 1664. A model of this plough was fent by Lord Sandwich, then ambaffador at Madrid, to John Evelyn, Efq; who prefented it to the royal fociety, with a letter defcribing its ufe, which was inferted in the philofophical tranfactions of the 23d of February, 1669-70, and the model depofited in Grefham college.

Nothing can be more bleak and difmal than the general afpect of the country round the feat of its monarch, with a great want of trees, to which the Caftilians have fuch a diflike, from a falfe notion that they increafe the number of birds to eat up their corn; as if this reafon would not hold good in other countries, where fhade is not fo neceffary, as it is in Caftile, to fupport

## TRAVELS THROUGH SPAIN.

the moifture of the foil ; or that it was ever an objection in Valencia, a kingdom fo fertile and wooded : the Cafilians not reflecting, that the feeds of plants, and leaves of trees, afford nurture for infects, and birds, and prevent them from deftroying the grain as they do in Caftile, for want of other food; befides the advantage of fcreening the earth in hot weather, and preferving a due moifture after dews and rain; for without their aid, the fcorching beams of the fun parch up the earth, and render it unfruitful; fo that what little comes up is devoured by birds, in a climate where nature feems to have defigned it fhould be otherwife; for the climate of Madrid is not in itfelf averfe to the propagation of trees, as may be feen by the public walks, and modern improvements and plantations. The old hiftorians $\{$ peak particularly of the woods, and of their advantageous fituation for foreft beafts, as appears from a book written by king Alfonfo el ultimo, called Libro de Monteria del Rey Don Alonfo, in which that monarch extols the country near Madrid, for its fhady fituation and extenfive woods, well adapted for hunting the ftag, wild boar, and even of bears (a).

[^0]I fhall not particularize the various improvements that: have taken place of late years; however the new regulations and extenfion of commerce with their American colonies, are worthy of notice, particularly the open and: free trade with each other granted in 1764 , to the provinces of Peru, New Spain, Guatimala, and kingdom of: Granada, in America. In order to render this plan. more compleat, and facilitate the intercourfe with Europe, eight packet boats for conveying letters were: built at Coruna, one to fail the firt day of every month, with a mail for the Havana. Accordingly the firft packet named the Cortes, failed for the Havana the If of November, 1764 . Five packet boats were eftablifhed to fail from the Havana to Vera Cruz, from: whence a poft road was made as far as Mexico, with its. neceffary branches, and communications, with the different provinces; fo that letters come every month from: thofe diftant places, and often fooner, than from European courts. At Porto Rico, four galliots were eftablifhed for the correfpondence of Terra Firma, and Peru, receiving the letters brought by the Coruna packet boats, and bringing back the anfwers, by which means they receive: letters from Carthagena, and Santa Fe, as quickly as by

[^1]
## TRAVELS THROUGH SPAIN.

the Havana. Two galliots were likewife fationed at Carthagena, for the correfpondence between Porto Bel10 and Panama. To extend this adyantage further to the fouthward, fix packet boats were appointed in ${ }^{17} 67$, to fail from Coruna to the river of Plate, and city of Buenos Ayres, from whence fix expreffes were to proceed annually with the letters for Peru and Chili, and other provinces of thofe extenfive dominions; all which has been conducted with fo much activity and fpirit, that communications have been opened over the famous Cordillera of Chili, between that kingdom and Peru, and a regular poft for letters kept up, in the moft remote jurifdictions ; where, before that period, even the very idea or name of a poft-office was unknown. For the conducting of which, the general poft-office have 25 veffels; viz. 14 from the Coruna to the Havana, Montevideo and Buenos Ayres; 5 from the Havana to Vera Cruz ; 4 from Porto Rico to Carthagena; and 2 from Carthagena to Porto Bello.

The Royal cabinet of natural hiftory, at Madrid, was opened to the public by his majefty's orders in 1775 ; a handfome houfe having been purchafed, of which the firft floor was appropriated for the royal academy of San Fernando, and the fecond for the purpofe of receiving an ample collection of natural curiofities, which had
been collected in Paris by Don Pedro Davila (a) a native of Peru, which his majefty has accepted of, and appointed him director thereof; and was alfo at the charge of bringing them from Paris. Every thing is ranged with neatnefs and elegance, and the apartments are opened twice a week for the public, befides being fhewn privately to ftrangers of rank.

The collection of beafts and birds, at prefent is not large, but may be fuppofed to improve apace, if they take care to get the productions of their American colonies. They have the fkeleton of an elephant that died lately at Madrid ; alfo a little American ox fuffed, called Zebu, by Mr. de Buffon, and Zebulo by the Spaniards. The great Ant bear from Buenos Ayres, the Myrmecophaga Jubata of Linneus, called by the Spaniards $O \int_{a}$ Palmera, was alive at Madrid in 1776 , and is now fluffed and preferved in this cabinet. The people who brought it from Buenos Ayres, fay, it differs from the ant-eater, which only feeds on emmets and other infects ; whereas this would eat flefh, when cut in fmall pieces, to the amount of four or five pounds. From the fnout to the extremity of the tail this animal is two yards in length, and his height is about two feet. The head very narrow, the nofe long, and flender. The tongue is fo fingular, that it looks more like a (a) See catalogue des curiofités du cabinet de Davila. 3 tomes, avec figures. Paris, ${ }^{17} 67$. a worm,

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## TRAVELS THROUGH SPAIN.

a worm, and extends above fixteen inches. His body is covered with long hair, of a dark brown, with white flripes on the fhoulders ; and when he fleeps he covers his body with his tail.

The mineral part of the cabinet, containing precious flones, marbles, ores, \&c. is very perfect. Amongft other curiofities they have a grain of gold of 22 carats, which weighed fixteen marks, four ounces, four ochavos, Spanifh weight, found in California, and fent by the viceroy of Mexico as a prefent worthy of his majefty's acceptance (a); alfo feveral curious fpecimens of filver ore, from the Guadalcanal mine in Efremadura, of that fort called Roficler.

Specimens of Mexican and Peruvian utenfils, vafes, \&c. in earthenware of that kind, which the Spaniards call Barra, wretched both in tafte and execution. Some productions likewife of Otaheite, which the Spaniards call amath.

A curious collection of vafes, bafons, ewe̊rs, cups, plates, and ornamental pieces of the fineft agates, amethyfts, rock cryflals, \&c. mounted in gold, and enamel,
(a) A curious treatife, now very fearce, was publifted at Mexico, by the viceroy, in June 1771, intitled Noticia Breve de la Expedicion Milatar de Sonora y Cinaleo, fu Exito felix y ventajofo eftado, en que por confequencia de ello fe ha puefto ambas provincias. Sce a further account of this expedition in Roberton's hiltory of America. Note I XV. vol. 2 .

## $7^{8}$ TRAVELS THROUGH SPAIN.

fet with cameos, intaglios, \&c. in an elegant tafte, and the moft delicate workmanfhip, faid to have been brought from France by Philip the fifth. There is likewife a valuable collection of books and prints daily adding to the cabinet by the faid Don Pedro Davila.

Were painting and fculpture my objects, this would be the place to defcribe the many fine pictures in the royal palace and in the noblemen's houfes at Madrid; but I pafs them over in filence the more readily, as modern travellers have defcribed the moft beautiful of thefe pictures. I fhall juft obferve that a late writer who fpent fome time at Madrid, fpeaking of the church of the vifitation, called Las Salefas, where the late king Ferdinand and his queen are interred, tells us, that at the principal altar, there is a fine copy of Raphael's transfiguration ; whereas it happens to be a good picture of the vifitation, in allufion to the name of the church, and done by Francifco de Muro at Naples. It is true a mof excellent copy of Raphael's transfiguration may be feen at another church belonging to the convent of St. Terefa, placed there by the founder, the Prince de Aftillana, who confidered it as an original of Raphael, and valued it at ten thoufand piffoles (about £.7000). It is fuppofed to have been done by Julio Romano, the ableft and favourite fcholar of Raphael. The fame writer fpeaking of the pictures in the palace
of Buen Retiro in the faloon, named $D_{e}$ los Reynos, calls one picture "Santa Cruz fuccouring Geneva"; whereas it is the furrender of Genoa to that officer, being placed amonglt other hiftorical pieces of the times, which are termed by him, " Scripture fubjects of the old teftament."

That beautiful equeftrian flatue of Philip the 4 th, by Tacca of Florence, which ftands in a little flower garden of the Retiro, is worthy of the higheft admiration. The attitude of the horfe is furprifingly bold, with both his fore feet in the air; and was imitated from a picture of Velafquez, fent to Italy for that purpofe. When feen by the Florentine artifts, they all agreed it was impofflble to execute it; however Tacca with the affiftance of Galileo happily applied the principles of equilibrium, and fucceeded beyond expectation. This unfortanate artiit died foon after of grief from the treatment be received from the grand duke's minifter, concerning this ftatue, but his eldeft fon Ferdinand came to Madrid, and fixed the parts together, which were three in number, and placed the flatue properly, Six hundred and fifty fix quintals of 128 lb . of metal each, were employed in the cafting. Its height, including the pedeftal, is 84 palmos ( 19 feet 9 inches Englifh) ( 0 ). In an inventory of the effects of the Retiro, it was valued at forty thoufand piftoles ( $£ .28 .000$ ) an enormous fum, and
(a) A Spanih palmo eight inches and a quarter.

## 80 TRAVELS THROUGH SPAIN.

much more than it could ever have coft. It was propofed a few years ago to remove this fatue to fome more confpicuous place, but it is faid to have been objected to, by the then prime minifter Marquis de Grimaldi, alledging that they muft not pay any attention to the houfe of Auftria, but he would have no objection if the head of Philip could be changed, for that of Charles the third.

Tacca alfo finifhed the equeftrian flatue of Philip the third in the Cafa del Campo, left imperfect by John de Bologna, at his death, and was brought to Madrid in 1616, by Antonio Guidi, brother in law to Tacca, attended by Andrew Tacca, another brother of the fculptor, who brought with him the gilt metal crucifix fixed on the altar of the Pantheon at the Efcurial. The mention of the Retiro has naturally led me into the agreeable gardens of that palace, and to the menagerie, where, amongft other curiofities, they have a crefted falcon from the Carraccas. This curious bird, which is about the fize of a turkey, raifes his feathers on his head in the form of a creft, and has a hooked bill; the lower mandible rather ftraight; his back, wings, and throat are black, the belly white, the tail diftinguifhed by four cinereous, and parallel ftripes, and is an undefcript bird not taken notice of by Linneus.


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Page sculpt:
The CRESTED FAL C ON From the Carraccas, alive in syy 8 inthe Menagerie of Bien Retrio, at Madrid.

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## LETTER VIII.

## Defription of the palace and gardens of Aranjuez.

THE royal feat of Aranjuez, feven leagues diftant from Madrid, and to which a moft noble road has lately been made, is delightfully fituated at the conflux of the rivers Tagus and Jarama; which run through the gardens, and add new beauty to this charming fpot, where art and nature feem to go hand in hand with the moft pleafing and rural fimplicity. On one fide, fine avenues of fately oaks and lofty elms, convey the truefl ideas of magnificence, while they afford the moft reviving fhade; on the other, the fudden tranfitions to lawns and wildernefs, the cafcades of water breaking through the thickets, the tuneful fongs of numberlefs birds, fheltered in thefe cool receffes, the occafional appearance and paffage of the monarch, attended by the grandees of his kingdom; all thefe objects united, and concentered in one point, fill the imagination with pleafing ideas, and imprefs the mind of a traveller with a thoufand agreeable fenfations, particularly in the foring, when every thing is

## 82 TRAVELS THROUGH SPAIN.

in high bloom and perfection, and engage him to look at Aranjuez as one of the moft beautiful places in Europe.

The whole of thefe gardens may be thrown into three grand divifions, diftinguifhed by the names of $L a$ Huerta Valenciana (a), Los Deleites, and El Cortijo. In the Huerta Valenciana, agriculture and gardening are carried on in the fame manner as in that fruitful province, and they plough with horfes. In the Cortijo they ufe oxen, as in Andalufia; and in other places they fcratch up the ground with mules as is fill practifed in fome parts of Spain. Which ever way one looks round, a conftant variety pleafes the eye and enraptures the mind. At one moment the fturdy buffalo moves before you, drawing his heavy burthen; foon after, the flow camel with his ponderous load; while the fwift Zebra with his ftriped garment frilks over the plains. If you approach the farm, every object of convenience is confulted, and in the dairy every degree of neatnefs. The Dutch cow, enjoys a luxuriant pafture, the brood mares greatly enliven the landfcape, and the fables are filled with the moft excellent horfes. An immenfe nurfery furnifhes all manner of trees and plants, a cedar of Libanus, which
(a) By the term of Huerta is underfood that kind of inclofure we call an orchard, but with a greater variety of cultivation. When they fpeak of an ornamented flower garden near a palace or nobleman's houfe, the Spanifh term is jardin, the fame as in French.

## TRAVELS THROUGH SPAIN.

about twenty years ago was only a twig, is now thirty feet high : the garden called the IJIa is particularly beautiful and rural. The Judas tree, which the Spaniards call Arbol de Amor, being happily difperfed there, has a very good effect early in the fpring, when covered with flowers without a fingle leaf; the banks of the Ifla are further enlivened by elegant yachts, for the amufement of the royal family. The fine avenue which alfo ferves for a public walk, called Calle de la Reyna has nothing equal to it at Verfailles. The extenfive flower garden on one fide, renders the walk extremely pleafant in an evening; and were I to mention the quantities of flowers and fruit, it would require many details. A great many elms and oaks have been planted this year, $(1778)$ faid to be 104.000 , which mult likewife include vines, olives, flrubs, \&c. They have lately begun to cultivate pine apples, unknown in every other part of the kingdom.

At the noon-tide hour, when the frefhnefs of the morning is paft, the fhady walks near the palace then become an object of fingular luxury, as well as the elegant fountains, whofe fpertive waters give fuch a coolnefs to the air. Whoever has enjoyed the agreeable moments that pafs in pleafing converfe under thefe fhady bowers, will furely be charmed with their admirable effect, independent of every idea of modern improve-

## 84 TRAVELS THROUGH SPAIN.

ments, or criticifm upon fountains and water works, The nightingale and cuckow are heard here the latter end of April. That elegant bird the bee eater, called by the Spaniards Abejaruxo, the merops apiafter of Linnæus, which our travellers tell us comes no further South than Andalufia, is known not only to breed at Aranjuez and live there all the year round, but is alfo found at St . Ildefonfo, which is 20 leagues more to the northward. The golden thrufh is alfo feen here, a beautiful bird with a bright yellow plumage, the icterus of Edwards, called oropendula by the Spaniards, and l'auriot by the French, the oriolus of Catefby and Linnæus. Amidft the great variety of birds in thefe woods, there is one about the fize of a cuckow, called Pito, of a beautiful purple. Such a diverfity of objects could not fail to excite the genius and fire of the Spanifh writers ; for my part I willingly join with that elegant poet Don Gomez de Zapia, who has fo naturally defcribed them, in a poem, of which the following lines are the beginning :

En lo mejor de la felice Efpana
Do el Rio Tajo tertia fu corrida,
Y con fus criffalinas aguas bana
La tierra, entre las tierras efcojida,
Efta una Vega de belleza eftrana!
Toda de verde yerba entretejida, ${ }_{\text {ali }}$ elsc Jarls ajrom
Donde natura y arte en competencia, Illw etto wod
Lo ultimo pufieron de potencia (a).
in The Palace being an old building with feveral additions is more in the fyle of a hunting feat, as Philip the fecond defigned it, than of a royal manfion, nor is there any thing very particular in the apartments, to take off from the enjoyment of fo many fine objects abroad. The new wings to the Palace are finifhed; in one is a play houfe, and in the other a chapel. Part of the cieling of the former was painted by Mengs, who is now (1779) at Rome painting a holy family for the principal altar in the chapel.

There are feven fine picfures of Luca Jordano in the apartment called El Cabinete Antigu, and fix others in that de los Majordomos; particularly one, is univerfally admired, in which a number of beafts are reprefented liftening to Orpheus, and feeming to be ftruck with the melody of his lyre. The portraits of the grand Duke and Dutchefs of Tufcany by Mengs, are in a new apartment called the king's dreffing room. In the chapel, over the great altar there is a fine picture of the Annunciation by Titian, prefented by him to Charles the fifth, and brought from the convent of Jufte after the death of that Emperor. The Porcelain Cabinet where there are feveral large pieces of the king's own Manufactory, is alfo an object of curiofity to a traveller. In a word, this charming place is highly indebted

## 86 TRAVELS THROUGH SPAIN,

to Charles the third for bringing the whole to its prefent flate of beauty, and making the new road from Madrid, and the noble ftone bridge over the Jarama; if the defign is continued of planting trees on each fide of the road, it will add greatly to its magnificence.

A topographical plan of Aranjuez and the improvements there, has been executed by Don Domingo de Aguirre, captain of engineers, in fixteen fleets, and the views in eight more. In fhort, thefe rural places have fo many charms, that they cannot fail of pleafing every fancy, and meeting univerfal acceptation, as Lupercio Leonardo de Argenfola has happily expreffed it, in a little poem in praife of thefe gardens.

> Qualquiera aqui fu condicion aplica, Aunque fu origen trayga de otra parte, Do el fol menos, o mas fe comunica!

But this is only to be underfood with refpect to the pro* per feafon of the year, fuited to its fituation, for as it lies in a bottom furrounded with mountains, the air is of courfe confined, which added to the great quantity of water, and numerous plantations, makes it agueifh when the hot weather begins, for which reafon the court generally removes about the end of May, and goes foon after to St. Ildefonfo, which is a very high fituation amongft the mountains of Guadarrama, where
they begin a new fpring and breathe a clear refrefling air during the fcorching heats of fummer.

Great quantities of liquorice grow wild near the road between Aranjuez and Toledo, as well as on the banks of the Tagus, where one alfo finds thofe curious reeds made ufe of by the Romans for writing, and celebrated by Martial, in an epigram addreffed to Macer, who had been pretor in Spain.

> Nos Celtas, Macer, et truces Iberos, Cum defiderio tui petemus,
> Sed quocumque tamen feretur, illic
> Pifcofi Calamo Tagi, notata
> Macrum, pagina noftra nominabit, Lib. x.

The cafle of Aceca dependent on the jurifdiction of Aranjuez though kept in good order, is more taken notice of on account of its former reputation, and antiquity, than from any other circumftance. Its diftrict is fuppofed to have belonged formerly to a colony of Jews from Toledo, and fo named from azeba in Paleftine peopled by Jofhua ( $a$ ). There is no doubt that the Jews were in great repute in Spain in the early ages, infomuch that in 686, under the gothic king Ervigius, they had the boldnefs to affert, and endeavoured to perfwade the king, that the Meffiah was not come. Their de-

[^2]fcendants

## 88 TRAVELS THROUGH SPAIN.

fcendants feveral years afterwards propagated fables, to prove their great antiquity in Spain, and in order to leffen the reproaches thrown on them by the Spaniards, they gave out, that they were not defcended from thofe Jews who crucified our Saviour (a).
(a) Sandoval, bifhop of Pamplona, relates, that when king Alfonfo conquered the city of Toledo, he found it full of Jews, who fhewed to that monarch two letters in Hebrev and Arabic, fent from the fynagogue of Jerufalem to that of Toledo, giving them an account of Je'us Chrift, and alking their opinion whether they fhould put him to death; alfo the anfwer of the Toledo Jews, diffuading them from it. Thefe letters were ordered to be tranflated from Hebrew into Arabic by Galifre king of Toledo, and into Latin and Spanifh by king Alfonfo, and were preferved in the archives of Toledo till 1494. They were tranflated by Julian, archprieft of St. Juft, and were afterwards in feveral hands. The anfwer of the Spanifh Jews is datedToledo 14 th of the month Nifan, xra of Cæfar I 8 , and of Augufus Octavianus 71. I know nothing further concerning the authenticity of this letter, fays the bifhop of Pamplona, than that it was found in the archives of Toledo, and in the fame fyle and language in which I have given it. Hiftoria de los Reyes de Caftilla y Leon por Don fr. Prudencio de Sandoval obifpo de Pamplona. Fn Pamplona 1615 .

## TRAVELS THROUGH SPAIN.

## L E T T E R IX.

## Defcription of the balhs and mineral waters of Trillo.

NO country abounds fo much as Spain with hot baths and moft excellent mineral waters, and they are now beginning to inveftigate their qualities. Thofe of Trillo have of late particularly engaged the attention of government, and we have been more accurately informed of their virtues and properties. The village of Trillo, in New Caftile, is feventeen leagues from Madrid, by the new road lately made to that place, fituated on the north banks of the Tagus, two leagues fouth of the city of Siguenza. The village of La Puerta is about a league to the eaftward, and the town of Gualda much about the fame diffance to the weftward. The country is hilly, and affords little corn or fruit, fome few vineyards, and plenty of game. The Tagus abounds in fifh, fuch as trout, eels, and barbel; has a ftone bridge of one arch over it, of a folid ftructure, and confiderable antiquity, being there when the firft invefligations were made about this place in $1558($ a $)$. A little river runs

[^3]
## 90 TRAVELS THROUGH SPAIN.

from Cifuentes, which enters the Tagus at Trillo, and was once famous for its curious water mills, for fawing of timber brought down by the ftream, which was the chief branch of induftry of the inhabitants; but in the year 1710 , on the 30th of December, they were vifited by 1400 of the Englifh army then ferving in Spain, in favour of the archduke of Auftria, who having ftaid there feven days, raifed confiderable contributions, and were fucceeded by 8000 Portuguefe their allies, under the Count de Atalaya, who ravaged the country, and pillaged the place : of the three faw mills, only one was left ftanding, which has fince become ufelefs. The inhabitants dwindled in numbers, and the few that remained, from a flate of affluence and eafe, experienced the extremity of poverty and diftrefs; though in a fituation, where the climate is remarkably temperate, the air pure, provifions plentiful, their mutton fingularly excellent, and a fine fpring of foft water runs, near the village.

The baths are up the river on the oppofite fide of the Tagus, about the diftance of a mile, with an agreeable road to them, made from the foot of the bridge, with an avenue of trees, through a pleafant diftrict, well fhaded with wood, where the warbling of nightingales, and the mufical notes of various other fong birds, delight the invalid, and welcome his approach to thefe falutary baths. Inns are now building for the reception of com-
pany, and cyery effort is made for the convenience of the infirm. The waters have been analyzed with exactnefs, a deputation having been appointed by command of the king, to conduct every thing with the utmoft formality, under the direction of Don Miguel Maria de Nava, Dean of the council and chamber of Caftile, affifted by Dr. Cafimir Ortega, F. R. S. and royal profeffor of Botany at Madrid, who Kas publifhed the proceedings of this affembly held at Trillo; and from his elegant treatife I have felected the following information $(a)$.


Thefe baths are fituated at a fmall diftance from the banks of the river, in a meadow, at the brow of a hill, which by its fituation to the eaftward, affords a refrefhing fhade the greater part of the morning. The baths are divided in the following manner.

Los Quatro Banos, called the king's bath, divided into four feparate baths, all equally commodious, and handfome, with their proper appertenances.

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## 92 TRAVELS THROUGH SPAIN.

The Countef's Batb, fo named after the lady of the Count de Cifuentes, who is lord of the place, is clofe to the river, but judiciounly built and remarkably folid, to refift every impulfe of the ftream, and equally decorated with every convenience and advantage.

The bath of the $P_{j}$ cina is about four hundred paces from the king's bath, and has acquired this appellation from being chiefly made ufe of, by the poor, who are moft fubject to cutaneous complaints, for which purpofe this bath is remarkably efficacious. A dwellinghoufe is now building for the ufe of the bathers, with every diftribution of apartments and convenience, requifite for a place of this nature: alfo, for a greater embellifhment of the baths, they have planted round them that beautiful and odoriferous tree fent thither from the royal botanic garden at Madrid, by the name of robinia: preudo acacia. In Spanifh falfo aromo. (The falfe acacia.)

Dr. Ortega, after reféring us to Macquer, and other eminent chemifts, who all agree, that the analyfis of waters, is the moft difficult operation of chemiftry, as it tends to difeover that union, which nature by flow and fecret fteps, forms in water, and other fubftances, in its mof occult and abfrufe motions ; proceeds to his analyfis of the waters of Trillo, after fome frrictures and critieifms on the writings of Dr. Limon Montero, on the mineral waters of Spain, publifhed at the clofe of
the laft century, intitled "Efpejo Criftalino de todas las Aguas Minerales de Efpana." And after denying them any nitrous, aluminous, or fulphureous qualities, as afferted by Dr. Limon, he clofes his analyfis with the following corollary :
"That thefe waters participate of five fubftances, two volatile, and three fixed; viz. a phlogiftic vapour, extremely anodyne, penetrating, and friendly to the nervous fyftem ; of a moderate quantity of gas, calcareous earth, common falt, and felenetic falt; and that to each pound of water of fixteen ounces, one may calculate twenty-five grains and an half, of fixed principle. This computation was made on a confiderable evaporation of water, of about a quintal ( $a$ ), which was judged to be the beft method, as lefs liable to ertour, than thofe experiments with friall quiantities. It was alfo confidered, that of the twenty-five grains and an half, of fixed principle, correfponding to each pound of mineral water, near fourteen grains are common falt, about three of felenetic falt, and about eight and an half, of abforbent earth; which for greater exacinefs we fhall exprefs in this manner;
$13 \frac{397}{1000}$ grains common falt.
$2 \frac{985}{1000}$ grains felenetic falt.
$8 \frac{207}{1000}$ grains abforbent earth.
(a) A Spanifh quintal 97 pound Englifh.

The

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The fame proportions, with a very trifling deviation, were alfo found by Don Manuel Joachim Enriquez de. Paiva, royal demonftrator of the chemical laboratory. at Coimbra in Portugal.

Dr. Ortega obferves, that the lightnefs of this water is fo great, as even to enter into competition with that of diftilled water, the pureft we know of; therefore its effects will be the more eafily accounted for : that the heat of the water, does not equal that of the blood, in a perfon in good health, and comes near to that tepid degree, prefcribed by the phyficians in artificial baths.

The bath of the princels is the moft efficacious, on at leaft abounds moft with phlogifton, and of courfe is better fuited to thofe diforders where the efficacy of this principle is defired. The king's bath, and that of the countefs have fcarcely any phlogittic vapour, which variety makes them fill more pleafing to the bathers, and applicable to different complaints ; while the Pifcina bath abounds chiefly with phlogitton, and is admirably fuited to the diforders of the poor, as already obferved: finally the two principles of gas, and of phlogitton, are of fo volatile a nature in thefe waters, that a remarkable difference is obferved betwixt the well, and the bath, by thofe who drink them immediately from the fpring,
fpring, or at a diftance; which fhews how much it evaporates by carriage; for which reafon it fhould not be filled in earthen pitchers, but only in bottles or flafks, well corked, and carefully fealed. This is the fubftance of a public oration pronounced by Dr. Ortega, before a numerous affembly at Trillo, and afterwards publifhed by authority of the council at Caftile, in virtue of their decree for that purpofe, bearing date the 11 th of April ${ }_{177} 8$, to which are added a few trifling cafes, with that of the dean of the council, Don Miguel Maria de Nava, at the head of them, who found great benefit from thefe waters, and prefided at this pompous affembly, attended by the Count de Cifuentes, a grandee of Spain, and many other noblemen and gentlemen of rank, as well as feveral eminent phyficians, furgeons, and apothecaries, who all concur in the praifes of Trillo, and fet their names to the facis, there related.

I fhall only felect one cafe, inferted by Dr. Ortega, and taken by him verbatim from Dr. Mendoza, phyfician at Cifuentes, written at Trillo fo early as the 18 th of July, 1714, adorned with a copper-plate, reprefenting the virgin Mary as protectrefs of the waters, being one of the firl cures, which brought them into repute.

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"A friar of the congregation of St. Philip De Neri, " was troubled with ulcers in his legs, the remains of a " malignant eryfipelas, and an abfcefs in the bone of "the right clavicle, which having been opened by the " perfon who attended him, terminated after a long and " painful procefs, in a fiftula. An ill-conditioned ab" Icefs of a great fize, was difoovered at the fame time, " fituated on the laft right rib, which was deemed very "dangerous to open. He had alfo a tumour feated in "the right axilla, another on the left hand, and others " on the fhoulders, a pain in the fide, a hectic fever, - Thortnefs of breath, painful refpiration, and a fallow "complexion, with conftant faintings and vapours, " which flew to the head, and often occafioned a fyn". cope. Having fuffered thus, for two years, and all "the remedies having failed, which are called human, " he came to Trillo, drank the waters, ufed the baths, " and voided a great deal of fand. The ulcers being " healed, though for fome time the hectic did not fub" fide, he returned the following feafon to repeat the "ufe of the waters and baths; and was perfectly cured, " fo as to go home without a fiftula, tumours, or pain " in the fide; his refpiration recovered, with a healthy "and florid complexion; and finally with fo much na"tural vigour, that even the iffues which he had been " advifed to have made, could not be kept open, not" withflanding
" withtanding every endeavour for that purpofe. The " witneffes of this cafe were Dr. Aquenza, Dr. Porras, " and the king's firt furgeon Monfieur Legendre."

I now clofe this narrative with a lift of fuch plants as Dr. Ortega tells us he found in the environs of Trillo (a).

A
CER Monfpeffulanum Achillea ageratum
*Achillea millefolium
*Adiantum capillus veneris
*Agrimonia eupatorium
*Agroftemma githago
Allium defcendens
Allium victoriales
Allium paniculatum
Alfine fegetalis
Althæa cannabina
*Althra officinalis
Alyffum faxatile
Anagallis monelli
Androface maxima
Anemone hepatica

* Anthyllis vulneraria

Antirrhinum bellidifolium

Montpelier maple
Sweet maudlin milfoil
Milfoil yarrow
True maiden hair
Common agrimony
Corn cockle
.... Garlic
Broad leaved garlic

Corn chick weed
Hemp leaved mar/h mallow
Common marrh mallow
Yellow mountain madwort
Blue flowered Pimpernel
Androface with the largeft empalement
Single hepatica
Double headed ladies finger
Daifie leaved fnap dragon
(a) Thofe marked with an afterifk are likewife natives of this country, the Englifh names of which are adopted from "A Botanical arrangement of all the vegetables naturally growing in Great-Britain, with defrriptions of their genera and fecies, according to the fyltem of the celebrated Linnreus, \&c." By William Withering, M. D. Birmingham, 1776 .

Antirrhinum junceum
*Antirrhinum majus
Antirrhinum faxatile
Aphyllanthes Monfpellienfis
Apium petrofelinum
*Aquilegia vulgaris
*Arbutus uva urf!
Ariftologia longa
Ariftologia piftolochia
Afclepias nigra

* Afparagus fativa officinalis

Afparagus filveftris

* Afperugo procumbens
* Afperula cynanchica
*Afplenium ceterach
*Afplenium rutamuraria
*Afplenium trichomanes
Atractyllis cancellata
* Bellis perennis

Berberis dumetorum
Bifcutella didyma
*Borrago officinalis

* Bryonia alba

Buplevrum frutifcens
Buplevrum rigidum

* Buplevrum rotundi folium
* Buplevrum tenuiffimum
* Buxus fempervirens

Rufh leaved fnap dragon
Snap dragon toad flax
Snap dragon
......
Common parley
Common columbine
Perennial leaved Jrawberry tree
Long birthwort
Scallop leaved birthwort
Black fwallow wort
Cultivated Jparagus
Wild Jparagus
Goojegrass madwort
Squinancy woodroof
Common Jpleenwort
White Spleenwort
Green Jpleenwort
... - Iifaff thistle
Common daify
...- Barberry
Buckler muftard with a double orbicular pod
Common borrage
White briony
Shruby thorough wax

-     -         - Hare's ear

Round leaved thorough wax
Fine leaved thorough wax
Tree box

\author{

* Campanula
}


## TRAVELS THROUGH SPAIN.



## 100 TRAVELS THROUGH SPAIN.

Croton tinctorium
Cynogloflum cherifolium

* Cynogtoflum officinale

Cytifus argenteus
*Daphne Thymelæa
*Daucus carota filvefris
Daucus vifnaga
Dictamnus albus
Digitalis obfcura
*Dipfacus filveftris
Echinops fphaerocephalus

* Echium vulgare

Ephedra deflachia
*Epilobium hirfutum
*Equifetum fluviatile
*Equifetum paluftre
Erigeron tuberofum.
*Eryfimum Barbarea
*Euphorbia characius
Ficus carica
*Fraxinus excelfior
Fumaria enneaphylla.
*Fumaria officinalis
*Gallium uliginofum

* Gallium aparine
* Gentiana centaurium
* Geranium cicutarium

Stinking hound's tongue
Low filvery cytifus
Spurge laurel, or mezereon
Wild carrot

White fraxinella

- . Foxglove

Clothiers teazle
Greater globe thiifle:
Common vipergra/s.
Shruby horfetail.
Hairy willow herbs
River hor fetail
Marrh horfetail:

Rocket wormfeed.
Red Jpurge
Figtree
Common afh
Nineleaved fumitory
Common fumitory
Marfh goofegra/s
Cleaver's goofegra/s
Centaury gentian
Hemlock leaved cranefbill

* Geranium

| *Geranium fanguineum | Bloody cranefbill |
| :---: | :---: |
| Geum montanum | Mountain avens |
| *Geum urbanum | Avens bennet |
| Globularia fpinofa | - - - - |
| * Glechoma hederacea | Groundivy gill |
| Glycyrrhiza glabra | Smooth liquorics |
| * Gnaphalium luteo album | Ferfey cudweed |
| *Hedera helix | Common ivy |
| Hedyfarum humile | - - - - |
| Heliotrophium vulgare | Common turnjol |
| ${ }^{*}$ Herniaria hirfuta | Rough rupture wort |
| Hieracium multicaule | - . . Hawkweed |
| Hieracium murorum | Golden hawkweed |
| * Hieracium pilofella | Mouse ear hawkweed |
| *Hippocrenis comofa | Tufted horse jnoe |
| Hyffopus officinalis | Common hy $\int 0$ p |
| * Humulus lupulus | Brewer's hop |
| Illecebrum paronychia | Spanif knot grafs |
| Inula montana | Mountain elecampane |
| Inula oculus chrifli | . .-. Elecampane |
| * Iris pfeudoacorus | Yellow flag |
| Jafminum fruticans | Shrubby yellow jeflamine |
| Juglans regia | Wallnut |
| *Juncus acutus | Marine rufh |
| Juniperus oxycedrus | Great Spanifl juniper |
| Juniperus Phœnicia | Phanician juniper |
| ${ }^{*}$ Juniperus communis | Common juniper |

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## TRAVELS THROUGH SPAIN.

| Ononis vifcofà | Clammy reftharrow |
| :---: | :---: |
| *Ophrys fpiralis | Triple twaye blador |
| * Origanum vulgare | Wild marjoram |
| *Orobanche major | Greal broom rape |
| *Papaver rhæas | Corn poppy |
| *Parietaria officinalis | Wall pellitory |
| *Pedicularis fylvatica | Common loufe wort |
| Phillyrea auguflifolia | Narrow leaved phillyrea |
| Phlomis herba venti | Herbaceous ferujalem fage |
| Phlomis lychnitis | - . . . . |
| Phyfalis alkekengi | Winter cherry |
| Piflacia terebinthus | Common turpentine tree |
| Plantago albicans | White plantain |
| *Plantago major | Great plantain |
| *Plantago maritima | Sea plantain |
| Plantago pfyllium | Branching plantain |
| Plumbago Europæa | Common leadwort |
| Polygala Monfpelliaca | Montpelier milkwort |
| *Polygonum convolvolus | Binding fnakeweed |
| *Polygonum perficaria | Spotted frakeweed |
| * Populus alba | Abele foplar |
| Portulaca oleracca | -..- purlaine |
| * Potentilla verna | Spring cinquefoil |
| *Poterium fanguiforba | Burnet ironwort |
| Prunella hyffopifolia | Hyyfop leaved Selfheal |
| Prunella laciniata | Fagged Selfheal |
| *Prunella vulgaris | Common felfheal |
| Pforalea bituminofa | Three-leaved Jupiter's bear |
| Punica granatum | Pomegranate hudrs |

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Quercuo ilex
*Ranunculus acris
Refeda luteola
Refeda phyteuma
Rhamnus alaturnus
Rhamnus catharticus
Rhamnus pyrenaicus
Rhus coriaria
Rofmarinus officinalis
Rubia tinctorum
*Rumex acutus
Rutá graveolens
Ruta linifolia
*Salix rofmarini folia
*Salix helix
Salvia ceratophylla
Salvia officinalis
Salvia fclarea
Salvia viridis
*Sambucus ebulus

* Sambucus nigra
* Samolus valerandi

Scabiofa integrifolia
Scabiofa Aellata
Scorzonera Hifpanica
*Scrophularia aquatica
Scrophularia canina
*Sedum album
*Senecio vulgaris

Evergreen oak
Upright crowfoot
Dyer's yellow weed
Rampion yellow weed
Alaturnus
Purging buckthorn
-. . - Buckthorn
Myrtle-leaved fhumach
Common rofemary
Dyer's madder
Sharp pointed dock
Broad leaved rue
Narrow leaved rue
Rofemary willow
Rofe willow

Garden fage
Clary Jage
Green Jage
Dwarf elder
Common elder
Pempernel marfhwort
-. - Deviljbit
Starry devilfbit
Scorzonera
Water figwort
Dog's figwort
White fonecrop
Common groundfel

| Sideritis hirfuta Niovet wiblt Hairy lrailing ironwort mildin * |  |
| :---: | :---: |
| Sideritis incana buthenoull - - - -moterg raufoint* |  |
| Sideritis fcordivides |  |
| * Silene nutans |  |
| *Solanum dulcamara holytio Woody nighthade |  |
| Solanum lycoperficon Love apple |  |
| *Solidago virga aurea Common golden rod |  |
|  |  |
| *Sparganium crectum Great bur reed |  |
| Spartum fcoperium | Common br |
| * Spirea filipendula Dropwort meadoufweet |  |
| *Stachys alpina Mountain clownheel dil soinosl ${ }^{\text {a }}$ |  |
| * Statice armeria siolum dosto Seathrift emigail musladav * |  |
| *Stipa capillata <br> Fine feathergra/s <br> * Stipa pennata <br> Down feathergus |  |
|  |  |
| Symphytum tuberofum there Comfryl tojsim momil * |  |
| Tephiom impera | Tre opine |
| Teucrium capitatum |  |
| *Teucrium chamædrys 1009. Wall germander 719 g eufobjumA |  |
| *Teucrium chamæpitys aill Ground gernander |  |
| Teucrium pfeudochamæpitys - . - - germander illomob aummit |  |
| * Teucrium fcordium Water germander anlomso ennuld |  |
| *Thalictum flavum shlp ins Common meadow rue |  |
| Thymus alpinus soluin Mountain thyme simobp airsy |  |
| Thymus maftichina |  |
| Thymus zygis $\quad$--- thym |  |
| Tordilium apulum The leaft hartwort of Ap |  |
| * Tragopogon porrifolium Purple goatJoeard |  |
|  |  |



Since the environs of Trillo had induced Dr. Ortega to give a catalogue of plants in that neighbourhood, it infenfibly engages me to add a few words refpecting the fudy of botany in that kingdom, which hitherto had made fo littlé figure as to draw down very pointed reflections from Linnæus, who fays, "Hifpanicæ floræ nullæ nobis innotuerunt adeoque plantæ

Carthamus tinctorius<br>Linum ufitatiffimum<br>Bafard Saffron<br>Common Flax

plantæ ifterariflimx in locis Hifpanice fertilliffimis minus detedx funt. Dolendum eft, quod in locis, Europx cultioribus tanta exiftat noftro tempore barbaries botanices! pauciffimas iflas plantas, qux nobis in Hifpania \& Portugalia conflant, debemus curiofis clafs iii. Tournefortio et pancis aliis." Linn. biblioth. botanica, part vii. floriftx § viii. Hifp. pag. 96. which tended greatly to raife the emulation of the Spaniards; and while that celebrated botanift was taking meafures to obtain a permiffion for one of his pupils to travel through Spain, he received a meffage from the Spanifh ambaffador at the court of Stockholm, which greatly furprifed him, as it intimated the defire of his Catholic majefly to have a botanift recommended by Linnæus. This appears to have been owing to fome Englifh gentlemen then at Madrid, and among them Robert More, Eff; F. R. S. who dining with the prime miniffer Don Joleph de Caravajal, had been alked their opinion of Spain by that minifter, who perceiving that the remark of Linnzus was not without foundation, and being informed that a Spanifh flora would turn out as new as it was rich, determined that his country flould foon be free from fuch a reproach; this was afterwards communicated to Linneus by Mr. More in his tour through Sweden, and accounted for the application above-mentioned. Peter Lxfling, the favorite fcholar of Linnæus, was accordingly fixed upon for this expedition, and was received in Spain in the moft gracious manner. His furprife was great to find many lovers of bofany at Madrid, particularly Don Jofeph Ortega, fecretary to the phyfical academy, Don Juan Minuart, chief apothecary to the armies, Don Jofeph Quer, firff furgeon to the king, who had a fplendid botanical garden, and a moft elegant collection of plants, Don Chriftoval Velcz, apothecary of the college of phyficians, who was poffefled of a choice collection of botanical books, with a grand hortus ficcus, and had drawn up a flora Madritenfis. Lxfling was greatly careffed by thefe gentlemen, and in return paid a handfome compliment to each, by calling four new plants after their names. Linnæus has taken thefe names into all the fublequent editions of his genera and Jpecies plantarum, and into the laft edition of his Fsflema nature. Lafling ftaid about two years at Madrid, making occafional excuffions, during. which time he collected above 1300 diftina fpecies of Spanilh plants. By orders of the court he embarked at Cadiz, in the year i 754 , for South America, where he unfortunately died, 22 d Feb. 1756, and Linnæus publifhed his letters. See Iter Hifpanicum, Holmix, ${ }^{1758}$; and a further account of Peter Lafling's life and botanical writings, in the 2 d vol. of. 'Boflu's travels in Louifiana, tranflated by J. R. Forfler, F. A. S. London, 1771.) morl?
 bas caisijs aso asme to JTs odis tadmof gaiverl? : nois I5 od\% NfV all $\mathbf{O}$ 2 $\quad$ LET T E R ont

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## L E T T $\quad$ E R X.

The royal Seat and gardens of St. Ildefonjo, with fome account of the city of Segovia.

WHOEVER has feen the gardens of Aranjuez will not think it extraordinary that the fovereign of Spain fhould have another agreeable feat in the fertile dominions of his crown, but when a traveller has croffed the craggy and bleak mountains of Guadarrama, it will be a matter of fingular furprife to behold one of the moft dreary rocks embellifhed with an agreeable villa, where the mines of Mexico have been lavifhed to effect the alteration; fuch is the royal feat of St. Ildefonfo; for in few parts of the world, the powers of art have been more ftrenuoufly exerted to correct the rugged fate of nature, and convert a horrid rock into a fumptuous garden, decorated with beautiful fountains, throwing up water to a great height, like thofe of Verfailles; while a variety of trees, brought from different parts of the world, furnifh fhady walks, in a fpot unfavourable by nature to all kind of vegetation; fhewing to what the art of man can attain, and fully evincing the efforts of Philip the Vth. who at
the expence of millions of dollars changed a barren and folitary mountain, into one of the moft defirable fpots in his kingdom; yet not without thofe inconveniencies which all the power of art cannot conquer; for on account of its lofty fituation, the night air, even after the hotteft fummer's day, is fo piercing, that it makes precaution neceffary, to guard againft its fudden and pernicious effects. In other refpects nothing can be more reviving during the fummer heats, than the fhade of thefe gardens, invigorating the languid courtier, whofe fpirits are further revived by the coolnefs of the groves, added to the mof limpid water that eyes can behold, in fome places flying up into the air, to an immenfe height, in others rolling down in torrents, which, when catched by the rays of the fun, feem like fo many fheets of liquid filver, of a moft anazing brightnefs. As the cold air of this place keeps every thing back, the king finds a new fpring after he has left Aranjuez, while his fubjects are dying with heat at Madrid. The earlieft fruits are but juft ripe in Auguft at St. Ildefonfo, carnations and rofes then adorn the parterres; September is the feafon for ftrawberries, rafpberries, currants, and barberries; and fnow lies on the mountains till the beginning of June. Many frings run down from the fummit, and fides of the mountains, and are collected into a confiderable bafon at the upper end of the garden, to which they have given the name of El Mar,

## 110 TRAVELS THROUGH SPAIN.

"the fea;" from whence they are diftributed to all the different fountains and water works, the whole garden being on a flope, about two miles in circumference. Other fprings with two brooks, form the little river Erefma, abounding in falmon trout, where the king often diverts himfelf with fifhing, under the fhade of thickets, beautifully variegated by the pencil of nature.

The dreary mountain at the top of thefe gardens, is a kind of rock compofed of clay and fine fand, which by degrees crumbling and mixing with rotten leaves and roots, forms that light coat of earth, which juft covers the rock, and gives nurture to the firs and other trees and fhrubs. The foot of the mountain is of granite, and ferves for building, fometimes for millftones, though rather too foft for this purpofe, ftanding in need of frequent repairs. They get vegetative earth on the North fide, about a hundred paces from the green rails of the flower garden, which being further cherifhed by manure, is laid a foot high on the rock, and by dint of cultivation and care, they are enabled to raife flowers and fruits, whofe roots hardly touch the barren foil of the place.

Mr. Bowles informs us, That when the late queen mother lived at St. Ildefonfo, the Infant, Don Lewis, her fon, had an aviary in the gardens, filled with a great

## TRAVELS THROUGH SPAIN.

variety of beautiful birds; one place was allotted for woodcocks, where they lived for feveral years. In the middle of their cage a channel of fpring water was introduced, which kept up a conftant frefhnefs of verdure; a fir tree, flood in the centre, furrounded with fhrubs, and they were daily fupplied with frefh clods of turf, full of worms, which, though they, hid themfelves ever fo much therein, the bird would inflantly difcover by the fmell, and driving in his long bill bring them immediately out, then raifing his head towards the fky, and extending the worm gently the length of his bill, would let it flide down foftly, without any appearance of deglutition ; all which was performed with the utmoft facility, as if totally unemployed, without ever miffing its aim, and fhould the woodcock be killed at that moment, thefe naufeous worms would immediately contribute towards the forming a delicious repaft at the moft elegant tables.

The palace of St. Ildefonfo has a noble collection of excellent pictures. In the gallery there are many fine ftatues bought at Rome, out of the collection of queen Chriftina of Sweden; amongft which the groupe of Caftor and Pollux facrificing, and a fawn, are undoubtedly the moft beautiful. The flatues in the garden are chiefly of marble of Granada, fome few of marble of Carrara : there is nothing elfe remarkable except the

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fine looking glaffes made in the king's glafs houfe at St. Ildefonfo, which fupplies all the palaces; they have here the largeft tables perhaps in the world for running plate glafs. The greateft being 145 inches by 85 , and its weight 405 arrobes. The fmaller is 120 inches by 75 , and weighs 380 . This curious art was firf invented by the Sieur Abraham Thevart, who propofed it to the court of Verfailles in 1688, and is performed much like the cafting of fheet lead by the plumbers, by which means they are enabled to make glaffes of double the dimenfions of thofe, by the Venetian method of blowing, befides other improvements.

At a fmall diftance from the palace, at a place called the Mata, near the powder magazine, there is a vein of quartz, which appears above ground, running from South to North for about half a league, till it enters and lofes itfelf in the oppofite mountain. A piece of this quartz, of about fix pounds, being cut, feemed very curious, being half tranfparent, and almoft as fine as rock cryftal, having a kind of fripe, four fingers. broad, between two coats, of a darker quartz. On following this vein feveral pieces of the fame quartz appeared covered with rock cryftal of a milk colour, forming thofe veins called by miners, "noble veins." Mr. Bowles acknowledges he did not more particularly examine, or make any effay in this place; and yet he tells

## TRAVELS THROUGH SPAIN.

us, he conjectures, and infers that it is an unwrought mine of gold.

The environs of St. Ildefonfo and particularly the foot of the mountain are covered with a remarkably fine fort of grafs, to which they give the name of cofquilla, from its effect of tickling the hand when touched. The root is about eight inches long, cylindrical, and about the fize of a pin, diminifhing towards the point; in the middle of this root, which is fmooth, the fem fprings up, bearing fmall capfules at their points, inclofing the feed ; in many places, and particularly at Segovia, they make ufe of it at Chriftmas for ornaments in the churches, to imitate verdure; alfo little brooms are made with it to fweep away duft ; it likewife grows in abundance in the plain of Olmedo, and is feldom to be feen elfewhere.

It is only a few hours ride from St. Ildefonfo to the city of Segovia. The naturalift will meet, with many objects of curiofity in the environs of this city, obferving its different fpecies of marble, granite, limefone, clays, and three forts of fand (a). It's famous Roman aqueduct remaining fo perfect to this day, will prove the folidity of its materials, more effectually than

[^5]
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long difertations. Monfieur Seguier's method of difcovering the infcription on the Maifon 2 uarree at Nimes, the invention of which is originally due to that celebrated antiquary, Monf. Peyrefc, might likewife ferve to difcover that, which was formerly on the aqueduct of Segovia, for the place of the infcription, marks, and holes of the letters, are yet very vifible (a). This place is much dwindled at prefent from what it was formerly. The cathedral is handfome and has been lately repaired ; the mint in this city only ferves for copper: gold and filver are coined at Madrid and Seville. The alcazar or caftle is curious and in a fine bold fituation. The unfortunate Duke de Ripperda was confined here, they fhew you the dark room, from whence he made his efcape, and the broken lock on the door is fill in the fame fituation.
(a) The little fquare in Segovia, from whence you have a principal view of the aqueduct, is talled El Aroguejo de Segovia, as a diminitive of the Arabic word Zocq. which fignifies a fquare or a market-place. This place is mentioned in Don Quixote, and ignorant tranflators, becaufe the Spanifh word azoque alfo fignifies quickfilver, call this place the Quickfilver Houfe of Segovia. Delpino, in his Spanifh digionary tells us; without any authority, that a market is fo called, becaufe the people in it are continually moving like quickfilver:

## TRAVELS THROUGH SPAIN.

## LETTER XI,

Defarture from Madrid for the city of Burgos.

ON leaving Madrid, to go into Old Caftile, the firt grand objects which ftrike the eye of a naturalift, are the mountains of Guadarrama, that divide the two Caftiles ; you leave the famous Efcurial on the left, and following the new road, afcend thefe lofty mountains, whofe tops, and particularly where the marble lion fands, are chielly covered with fern, which is common here, though fearce in other parts of this country. From the highent part of the road, there is an extenfive profpect of Old Gaftile, which is more elevated than New Caftile, and forms a fpacious plain not unlike a great fea. An eafy defcent leads to the Hermita del Cbrifto del Caloco, Where grey and blue marble is dug out of the adjacent mountain, and is found almoft clofe to the road. The mountain terminates at Villacaftin, but the grand plain only commences at Labajos, where they fow the peas called Garbanzes in a fine blackifh foil, but they are not equally tender and large every year, no more than at Salamanca or Zamora; for though the land is goed for $\mathrm{P}_{2}$
this


[^0]:    (a) Libro de Monteria por G. Argote de Molina 1582. This curious book was drawn up by the particular command of King Alfonfo; Argote de Molina being only the editor. It contains three books, and is very ferviceable for the right underfanding the geography of Eaftile, and Leon in thofe days. Befides particular directions for breaking of dogs, and training them properly, there is a circumflantial detail of the various woods, and fituations, proper for venary, and foreft beafts, underftood under the title of Monteria, fuch as the bear,

[^1]:    Atag, wolf, and wild boar; which fport was the delight of Spaniff princes, while they difregarded the beafts of the chace, fuch as the buck, fox, marten, and hare. His prefent Cathotic majefly takes great pleafure in fhooting wolves and wild cats.

[^2]:    (a) Kings. Book I. chap. 17 .

[^3]:    (a) Particular mention is made of Trillo by Ambrofio Morales. Antiquedades de las Giudades de Efpana. Alcala de Henares, 1575.

[^4]:    (a) Tratado de las Aguas Termales de Trillo efcrito de prden del Rey por el Dr." Cafinino: Ortega, Madrid, 1778 .-.-The ingenious and learned Dr. Ortega was in England a few years ago, and is well known to feveral gentlemen in this country. Befides the waters of Trillo, thofe of Ribas, at a fmall diftance from the mountain of Nueftia Senora de Nuria, neare the Pyrenees of Cataluna, are greatly, reforted to in the fpring, and autumn, for gravelly complaints, as is alfo the fountain of Paterna, in the Alpujarra mountains of Granada, called "Aguas agrias," "Acidulous waters."-O

[^5]:    (a) Mr. Bowles enters into many details refpecting the variety of fand, clays, \&cc. in the environs of Segovia, which, not being confidered as univerfally interelting, are omitted.

