The seconde booke of the English husbandman. Contayning the ordering of the kitchin-garden, and the planting of strange flowers: the breeding of all manner of cattell. Together with the cures ... Whereunto is added a treatise, called Goodmens recreations: contayning a discourse of the generall art of fishing, with the angle, and otherwise ... Together with the choyce, ordering, breeding, and dyeting of the fighting cocke ... / By G.M.

Contributors

Markham, Gervase, 1568?-1637.

Publication/Creation

London: T. S[nodham for J. Brown], [1614]

Persistent URL

https://wellcomecollection.org/works/r6whb5zv

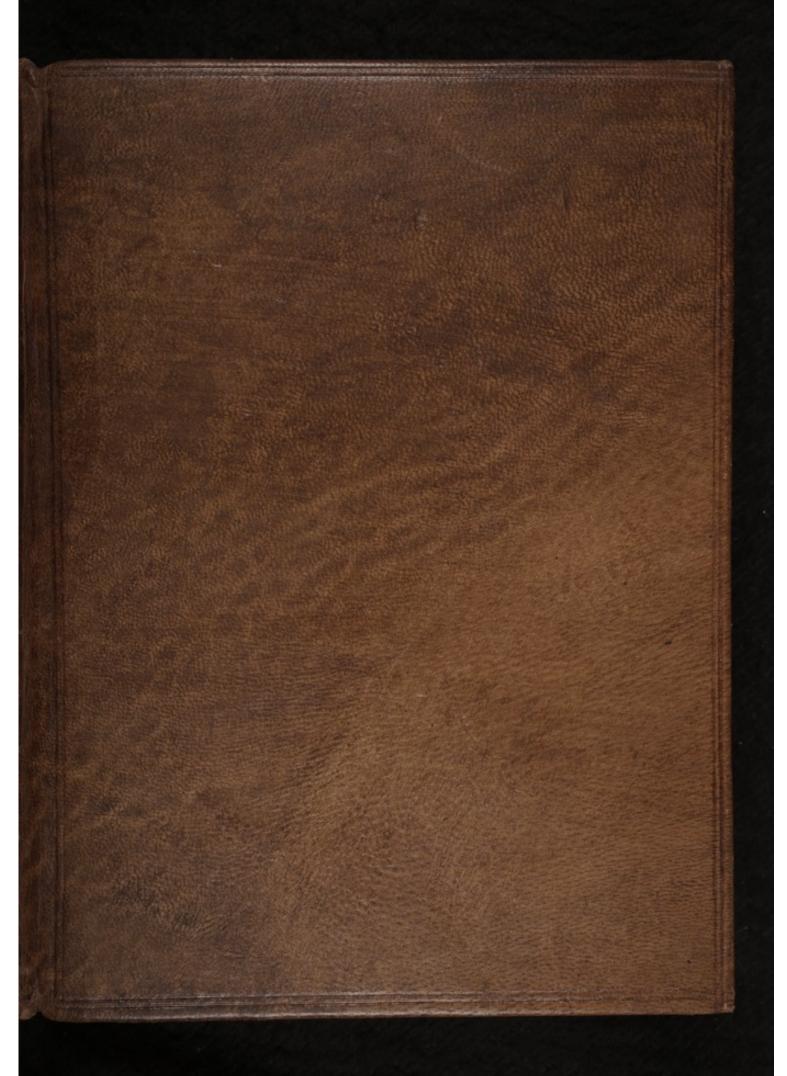
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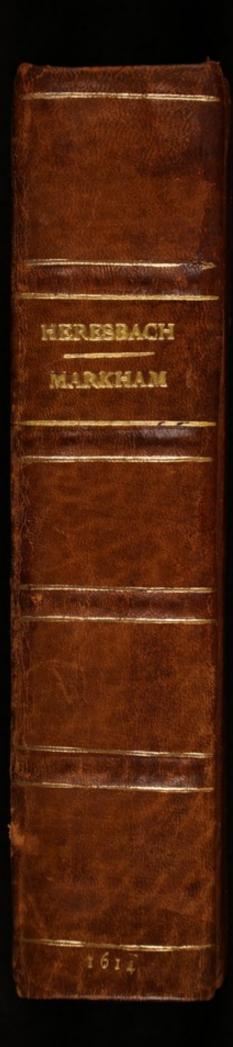
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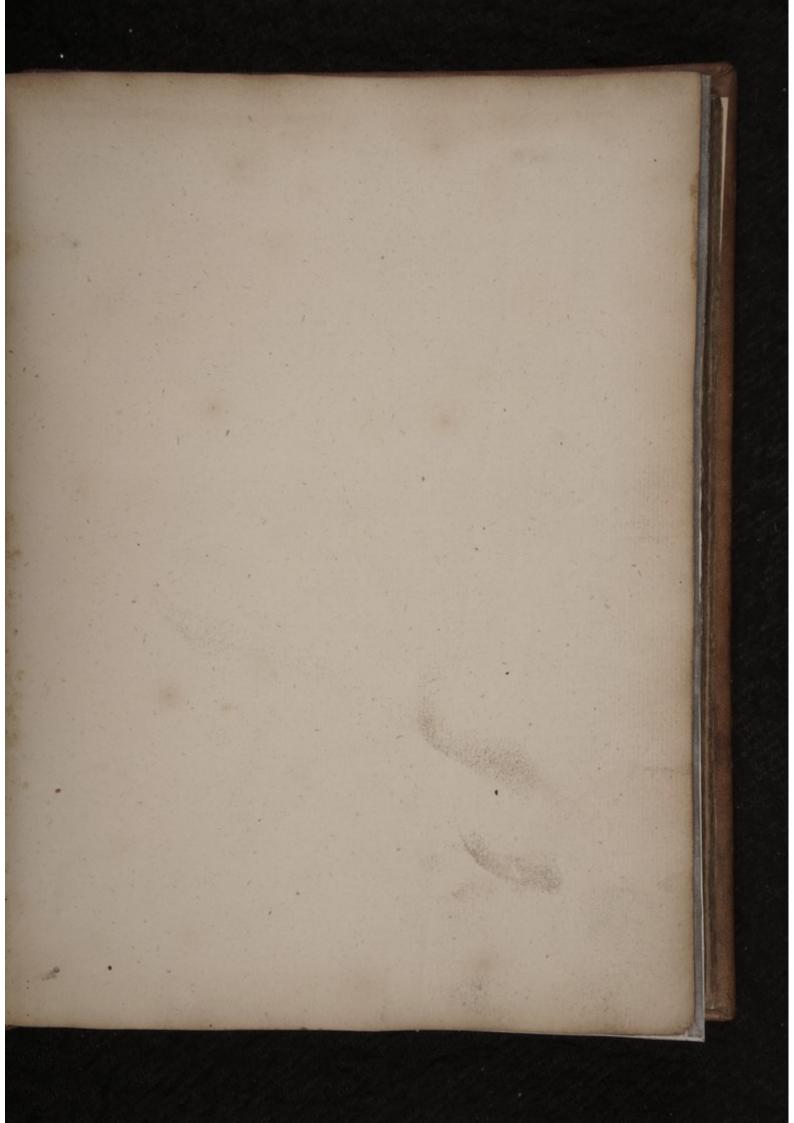


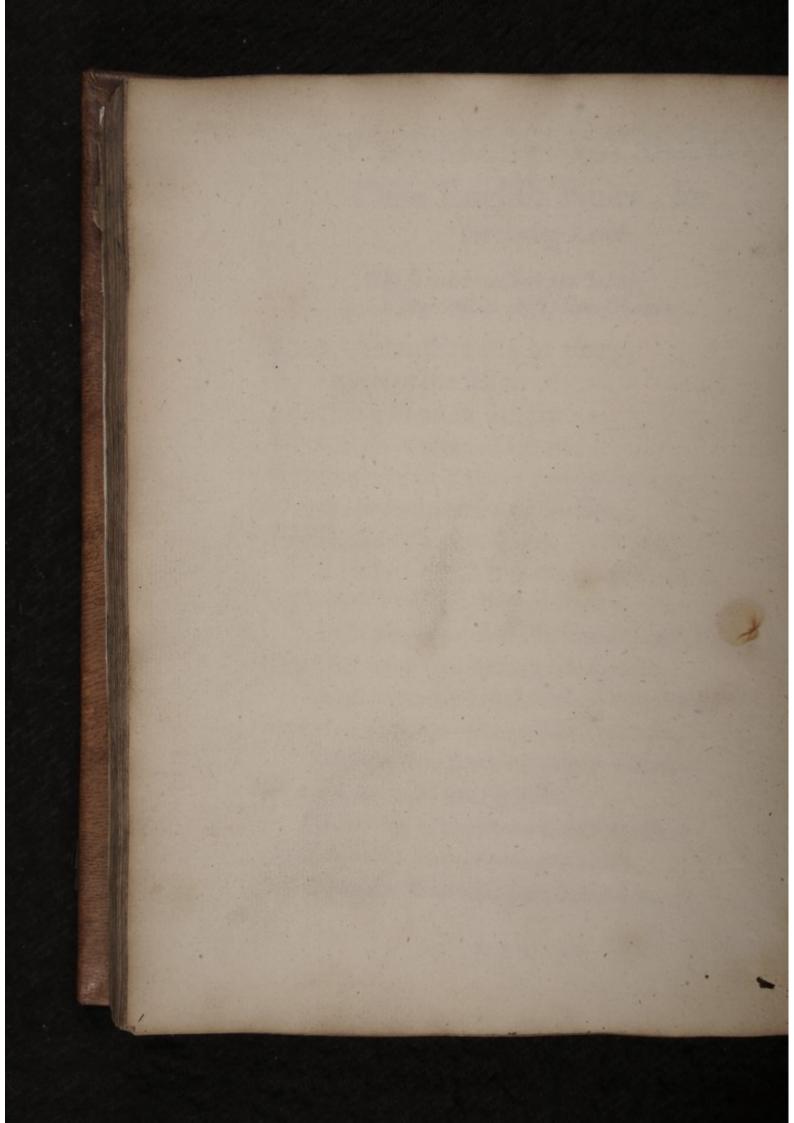


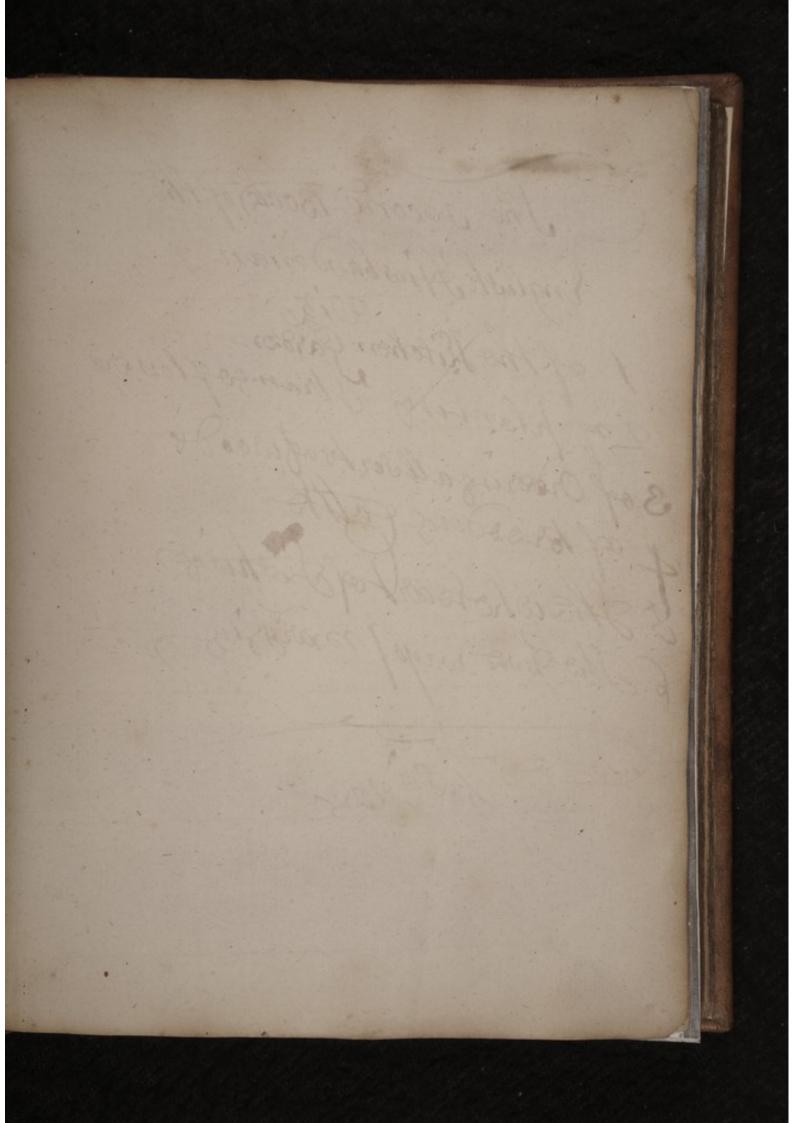




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The Second Book of the English Hisbandman of the Kitchen Garden 29 planting Strangoflow ore 3. of Orderingall Sorts of woods I of broding cattle 6 Thorne wayof margging hos Cilals

Second Booke of the English Husbandman

Jof the Litchen Garden

2 of Planting Strang Flow:

3 of Ordering all Sorts of Woods

4 of Breeding Cattle.

5 The Whole Art of Fishing.

6 The true way of managing

The Fighting - Cock.

Frinted by J: S: for John Brown in St. Dunstanes Ch: yard in Fleet-Sheet.

00 20 dering all sorts of North Stimted by T. S. for John Sten. in

Second Booke of the English Husbandman.

CONTAYNING

the Ordering of the Kitchin-Gar-

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the breeding of all manner of CATTELL.
Together with the Cures, the seeding of
Cattell, the Ordering both of Pastures and
Meddow-ground: with the vse both
of high-wood and vnder-wood.

WHEREVNTO IS ADDED

a TREATISE, called Goodmens Recreation:

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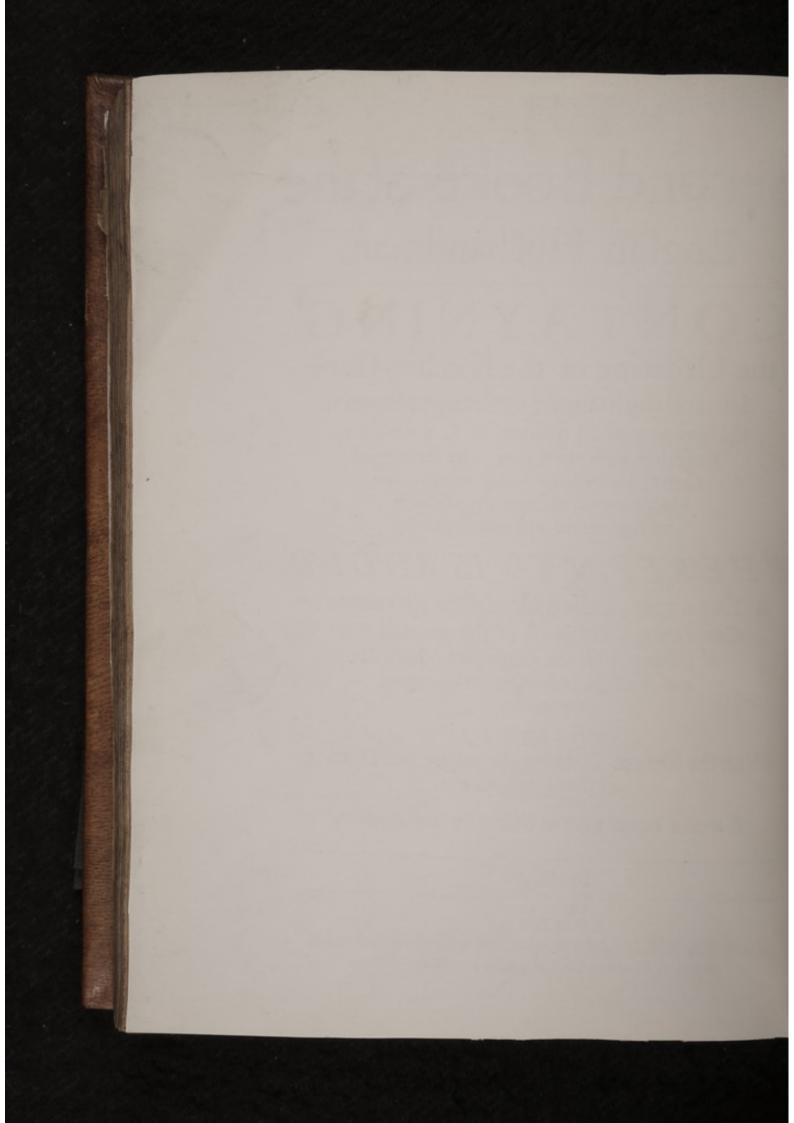
A worke neuer written before by any Author.

By G: M.

R. Markhain 19)

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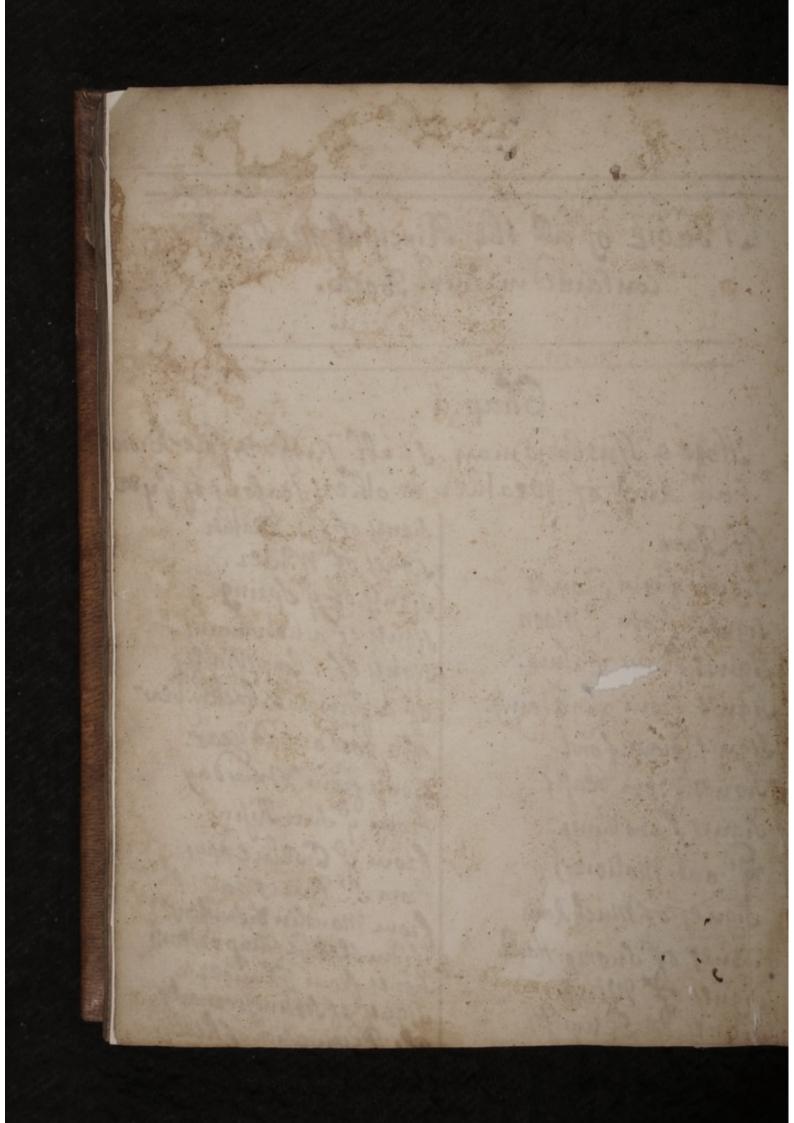
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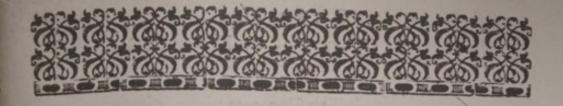


A Table of all the Fincipal Matter? confained in this Book.

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all kind of Weather & other seafons of yyear Signey of fair Waller signes of Winter. Signy of y Spring signey of a hot Jumin: signly of a long Winter of a forward or backw: yearof a good or bad year. Signey from Xtmay day from y Sun Rifing. from y Inchildays from S: Pauls day from mandlin & Swithons. if Com Shall be (Reap or Dear;) Signey from Thunder signey of Siekney or heally De Pleavation of healy.





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of y Jamaskrose.

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CHAP. VIII.

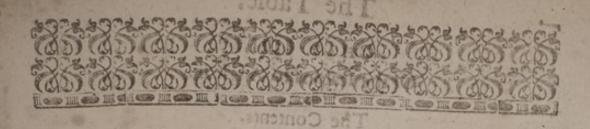
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NIS.



FIRSTPART

of the second BOOKE of the

English Husbandman: Contayning the Ordering of the Kitchin-garden, and the planting of strange

FLOVVERS.

CHAP. I.

How the Husbandman shall judge and fore-know all kinde of Weathers, and other seasons of the years.



Lthough GDD out of his infinite providence, is the onely direder and ruler of all things, governing the yeares, dayes, minutes and feafons of the yeare according to the power of his Mill: yet for as much as hee hath given bs his Creatures, and placed the Celestiall bodies to holde their in-

fluences in vs, and all things else which have increases ment, revealing but o vs from their motions, the alteraction and qualities of enery season, it wall be very behoves full for every Husbandman to know the signes and to kens of every particular season, as when it is likely to

Kaine, when Snow, when Thunder, when the Winds will rife, when the Winter will rage, & when the Frosts will have the longest continuance, that fashioning his lasbours, according to the temperature or discomperature of the weather, her may with good tudgement and admic, eschew many ends which succede rash and busic-looking actions.

Of Rayne,

To speake then first of the generall signes of Kaine, you shall benderkand that the olde Husbandmen did observe rules generall, and rules speciall: the generall rules were such as concerned eyther all, most, or a great part of the whole years: the rules speciall, those which concerned dayes, houres, and times present: of which will first speake in this place.

Signes from Clouds,

If therefore you hall at any time perceive a Cloud risting from the lowest part of the Porizon, and that the mainebody be blacke and thicke, and his beames (as it were) Curtaine-wise, extending beward, and driven bestore the windes: it is accreaine and infallible signe of a present shower of Raine, pet but momentary and some spent, or passed over: but if the Cloud shall arise against the Uninde, and as it were spread it selfe against the biolence of the same, then shall the Raine be of much longer continuance.

Signes from the Moone.

If when you lie the new Home appeare, you perceius that some part of her Homes are obscured, or if it be black, or discoulored in the middest if it hang much to the West, if it be compast or girdled about, eyther with thicke, or waterish transparent vapours: if it was more then ordinarily pale, or if it shall beginne to raine small and mist-like on the south or fift day of her age, all these are installible signes of Kaine, and the last an assured signe that the Kaine will continue all that quarter of the Home following.

Signes from

If you hall lie the Summerife earely in the Poining, and spread forth his Beames violently, yet with a very mork and waterish complexion, and there-withall in the

met

Met pou doe lea bedde of thicke bapours to arile, increase and ascend byward, then thall you bee affored that at high none, when those vapours and the Sunne Mall meet, there will be raine, and that raine of no thoat continuance: If you thall for the Sunne rife red, and turne sodainely blacke, if it have many red clouds about it mixt with blackenesse, if it have a spacious Circle about it, or if when it letteth you fie it fall behinde a banke of darke and blacke Cloudes, they be all most certaine and infallible fignes of raine, which will pres fently follow.

If it lighten at none, or any time whilest the Sunne Signes from Mineth, eyther with Thunder or without thunder, or if the Lightning. it lighten in sayze weather, or if it lighten more then it thundereth, all are most certaine signes of raine which

will follow.

If you thall perceive water. Fowle to bathe much: Signes from if the Crow wet her head at the water beimme, or if the Fowle. wave into the water, or if the thall cry and call much : if the Ranen Halleroake with a hollow or founding bopce: if the house-Cocke shall crow at all houres : if Digions Mall come home late to the Doue house: if Sparcowes hall choope and cry earely in the morning: if Bes five not farre from their Opnes : if flies and fmall Gnats bite Marpe and fore, all are moltcertaine fignes ofraine, which will prefently follow.

If you Mall perceine your Dren to cate moze greedily, Signes from and with a more earnest Comache then their bluall cue Beafts. Rome: if your kine gaze and loke much byward: if Swine thall play and gambole by and downe : if Horses being at graffe thail fcope, courfe, and chafe one another: or if the Cat thall wath behinde her eare, all are cer-

taine fignes of raine to follow.

If Salt turne mopft ftanding in day places, if Cham Signes from nels, Maults, and common Selvers Aincke moze then things without bluall: if Bels feeme to found louder then they mere motion. went: if the Tazell at any time close by his paicks: if

Soote fall much from the Chimney: If oyle shall sparkle much when it bueneth, oz if Marble, Pauing-Kone, oz other wais thail tweat, or be much mouth, all are most in-

euitable fignes of rayne which will follow.

Signes of much Raine.

If Raine, when it falleth, make great bubbles, og fuch anople as is not opinary : or if raine fall mildely, small, and mift-like: or if rapne fall in a calme when no winde Airreth: 02 if when it rayneth you cannot perceive the Racke or Clouds to move: if Pullen five to their rout alloone as the raine begins : if the Raine-bow Aretch to. wards the South, or if it doe reflect and thedwie : if you thall fix one or more Weather-gals which are like Kainebowes, onely they arise from the Boxison but a small way boward, all thefe are most certaine signes of much raine that will follow.

Signes of Snovy or Haile.

If blacke Clouds thall turne fodainely white: if about epther the Sunne og Mone be pale, and waterich Circles, or that they fieme to thine as through a mitte: if the Apre be thicke and extreame cold without frofts : if with the fignes of raine be mixt fignes of cold also, or if windes be nipping and extreame tharpe, all are most certaine to kens that Snow or Haple will follow prefently after.

Signes of winde.

If when the Sunne letteth it loketh red and fiery, and that all that part of the Hozizon loke red also, or if it looke blewith, or fæme greater then his ordinary propore tion: If the Pone doe bluft or loke high colloured, if the Racke rive high, and the Firmament be much vaulted: if Moos and Hils feme to make a nople: if the Stars tiems to thine brighter then bluall : if it thall thunder in Winter, 02 if it thunder without lightning : if Bels be heard farre off with more ease then accustomed, and prefently in the same instant benot heard at all : If Cob. webs the much in the appe : If Hernes of Peronthoes cry much in their flying: If fire sparkle much, or if woo or Wainscot cracke much, all these are most certaine fignes of much winde that will follow after.

Signes of tempefts.

If you hail perceive the Pozning oz Evening Sunne, eyther

epther in the Sommer of in the Autumne, to hine hotter or to scortch more then accustomed, when the apreis prest with an extreame blacke cloude, oz with many clouds, if pou perceive whirlewindes to blow oft and violently: if pou læ the Kaine-bow hall appeare in the West without raine: if you fix flames and meteozs flathing in the agre, or if the Porpus thall be fiene in the fresh River, all are most certainesignes of thunder, lightnings and tempests, which will follow.

If the Sun rife gray and clere in the morning, and like, Signes of faire wife setteth without varkenesse, not losing a minute in weather. the declination: if the evening [kpe be ruddy and not fierie, moze purple then Charlet : if the Done beclære when it is foure of fine dayes olde : if it lighten after Sonne let without thunder: if the delve fall in great abundance and in the rising ascend by to the mountaines: if the Porth winde blow Arong: if the Diele doe whup much and not scrotch: if flyes at night play much in the Suns beames: if Crowes flocke much together, and cakell and talke : if Bats five bully by and downeafter Sunne let. if you lie Cranes flye high, and water. Fowle make their haunts farre off from the water, all thefe are most certaine fignes of very faire weather which will follow after.

If mater fowle forlake the Water: if the Migh Signes of tingale fing moze then other Birds, if Cranes flocke to- Winter. gether, if Gele fight for their fæding place, orif Sparrowes call very earely in the Mouning, any of these are certaine fignes that winter is nære at hand.

If the Wiell winde blowe freshly Poining and Gue. Signes of the ning: if the colde abate and lose much of his vigoz, if Spring. Swallowes begin to come in and five bully about, if the brest-bone of the Mallard or Tambcocke loke white and clere, any of thefe are certaine fignes that the Spring is at hand.

If the Rammerice in the Spaing, and thew moze then Signes of a hot an bluail luft: if the Spring have beene very extraordis Sommer.

narily

narily colde, or if Pildewes fall not in the Modland, Countryes, any of these are certaine signes of a hot Summer to follow after.

Signes of a long Winter.

If you hall see the Dake leaden with Akoznes: if the brest-bone of the Pallard when he is kild loke red: if Your nets be seine after the end of October, or if Cattell dos trample and tread the earth much, making it myre, or like a new plowde field: any of these are most certaine signes that the Winter will be charpe, long, and cruell.

Signes of a forward or backward yeer.

If there fall much Kaine before Daober, by meanes whereof many inundations doe follow, and that such wet lye long aboue ground: it is a most infallible token that the yeare will be very forward: but if the wet doe fall after Daober then it is a signe that the yeare will be indifferent, but and if the wet fall after Ponember, then it is held for most certaine that the yeare will fall out very sacke and backeward.

Signes of a good or bad yeere.

If the Dhe Apples, when they are opened, bried fives. or if Baruelt be feafonable, and the Spring warme: if Snow fall in February: if Brome put forth great fore of Flowers : if the Walnut-tree have moze bloffoms then leaves: if the flower of the Sea-Dnion wither not quickly, or if the Spring be preferned from frofts and blatting, then any of thefe are certaine fignes that the pere will proue palling god and fruitfull: but if the Dake Apple brade infted of a flye a Spyder : if Comets or Deteors opprede the Apre: if the Sommer fall out bring turally moute: if the dewes when they fall at the rifing of the Sunne descend to the Rivers: if froffs come in buleas fonable times: if wood Birds five to the plaines, and res fule couert: if the Sunne have his whole body, or at leaft thice parts Ecclipled : When Come beginneth to blome, and is not fully kirneld, then any of these be most certaine fignes that the perc will proue bad, barrayne, fruitleffe.

Signes from Christmas day.

Againe, if Christmas day thall fall byon the Hunday, the yeare thall be god, seasonable and abounding with all Core and plenty: if it fall byon Hunday the yeare thall

be reasonable temperate and fruitfull, onely something subject to immostion of waters, lette by thip wacke, and some mortality of people, especially women in chilobeas ring: if it fall byon Tueloay, the piere will prone bery barraine and unfruitfull, much bearth will raigne, and as mongst people great plague and moztallitie: if it fall bpon Mednesday, the pure shall be reasonably seasonable, though a little inconstant : there thall be plenty of all things, onely much fickenesse, and great likelyhoo of warres: if it fall byon the Thurloap, the piere Mail be ges nerally very temperate and wholesome, onely the Some mer subject to moistnesse, much denision is like to fall as mongst the Clergie, and women thall be given to moze laciutoulnelle then at other lealons : if it fall on the Fri-Day, the vere shall be barraine and but bole some, for fickes neffe thall rage with great biolence, much mortallitie thali fall among ft yong Thildzen, and both Corne and Cattell thall be fearce, and of a beere reckoning: thit fall on the Sas turbay, the viere thall be reasonably god and plentifull, onely the people of the world thall be erceding priverte, e much ginen to mutinie & diffention one against another.

Againe, if the Sunne rife without impediment, and Signes from Mine bright and clere bpon Chriftmas day, the pere will the Sunne ribe very plentifull : if it rife likewife clere the fecond day fing. in Chaiftmas, then Coane will fall in paice : if it rife clere the third day in Chaiffmas, there will onely be diffention in the Church: if on the fourth day, it forethewes trouble buto pong persons: if on the fift day, it spewes that many god things will increase : if on the firt, doubtlesse enery Garden will bring forth great plenty : if on the feauenth. then is much dearth and fearcitie to be feared ; if it fine clere on the eught day in Chaiffmas, then there is likely to be great fore of Filh: if on the ninch, it will doubtles prone a god peere for all manner of Cattell : if on the tenth, the piere is likely to pield much cause of mour ning: if on the cleaventh, there will fall much fogges, thicke miffes, and great infection will follow after. Lattip.

Lattly, if the Sume thine cliere the twelfth day after Christmas, it fore-thewes much warre and troubles, with

great loffe and bloudshed.

Signes from the twelue dayes in Christmas.

Againe, according to thele former obsernations, pon thall buderfrand, that what weather thall fall oz be on the fire and twentieth day of December, the like weather Hall be all the moneth of January after, what thall be on the featien and twentieth of December, the like Gall be all the moneth of February following: what weather hall be on the eight and twentieth day of December, the like weather hall be all March following: what weather thall be the nine and twentieth day of December, the fame thall be all Appill after: what on the thirtieth, the same all Day : what on the one and thirtieth the like all June following: inhat weather thall fall on the first of January, the same thall be all July after: what on the second of January, the same all August after: what on the third, the same all September after : what on the fourth, the same all Daober following: what on the fift, the same ail Pouember after, and what weather thall fall on the firt of January, which is Twelft-day, the same weather hall fall all December following.

Againe, if Saint Pauls day prove fayre, dry and bright, it foreshelveth plenty of all things the yeare following: but if it be misty then it shewes great dearth of Cattell. If there fall byon that day Snow or Raine, then it shewes Famine and Want of Corne, but if it be windy, tempestuous, or if it thunder, then it sheweth that great

warres will follow.

Againe, loke what quantitie of raine falleth eyther on Mary Maudlins day, or on Saint Swithens day, be it more or leffe, the same proportion will fall for the space of forty dayes after: but if these two dayes be fagre and dry all the time of Parness will be so also.

Pow if you will know whether Come Hall be cheape or dere, take twelve principall graynes of Wheate out of the Arength of the eare, byon the first day of January,

Signes from Saint Pauls day.

Signes from Maudlin, and Saint Swythens day.

If Corne shall be cheape or deare,

and when the harth of your Chimney is most hot, five pe it cleane, then make a Kranger lay one of those Grapnes on the hot hearth, then marke it well, and if it leape a little, Come thall be reasonably cheape, but if it leave much then Corne hall be erceding cheape, but if it lye fill and moue not, then the price of Corne thall Cand, and continue Will for that Moneth: and thus you hall ble your twelve Spaines, the first day of every Boneth one after another, that is to fap, enery Poneth one Graine, and you thall know the rifing and falling of Corne in every Poneth, all the yere following.

If it thall thunder much the first Sunday of the pews gere, it thewes great death and moztallitte amongit lears ned men : if it thunder the first Punday, it thewes great death of women, and many Ocliples of the Sunne: if it thunder on the first Tuelday, it thewes plenty of Come, but much Marre and distention : if it thunder on the first Meonelday, it thewes mortallitie and death among it the work fort of people, both Pale and Female, belides much Warre and bloudshed: if it thunder on the first Thurs day in the Dew-piere, it theworth much plenty of Come that will follow: if it thunder on the first friday, it bes tokeneth the loffe of great personages, and men of authoritie, many affrages and murthers, with much perill and danger. Lastly, if it thunder bpon the first Saturday in the Pelu-pare, it fozetheweth onely a generall plaque and infection, which thall raigne with frong violence.

If you thall perceive the Summer and Spring time to Signes of fickfall out very mopft and rainy, without winde, pet in their nes or health. owne natures very hot & scortching, or if the Southerne or Southwell-winde blow much without raine : if many fogs and mifts fall in the Morning, and ouercome the Sunnes beames at none alfo : if the Sunne luffer any large Geliple: if Autumne and Winter be moze foggy then morft oz cold : if the Dowe oz Leauen, of which you mould your bread, boe quickely mould and cleave toger ther without labour : if Dogs runnemadde, if Birds

Signes from Thunder.

forfalte

forlake their netts: if Sheeperot: if Femnes, Parrithgrounds, and muddy places abound with Frogges: if Podewals bridge Swine lice or Sowes: if Podes for lake the earth: if the small Pocks or Pearels be rife and abound in the Spring time, or if women generally doe miscarry in childerbedge, any of these are most certaine fignes of much siekenesse and mortalitie that will follow the piece after: and all such signes as are directly contratie to any of these, as if the Summer and Spring doe fall out drye and windy: if the South or Southwest winds bring with it ever rayne: if no logs or miss oppresse the agree and so forth of all the rest which are before thewed, are most certaine and infallible tokens of a very wholes some and healthfull yeare, which will ever follow after.

Pow for the preservation of your health, and to preuent all such sickenesses as are incident to follow in these casuall and daungerous pieces: through every severall moneth in the piece you shall observe these sew precepts.

First, in the month of January you hall forbears to let bloud, buleste byon violent extreamitie, a that the signe be exceeding god for the same, you shall drinks white wine in the morning fasting, a rub your head with a course Towell bery hard, but yet cleane, for it is a most wholesom friction.

In the month of February, you shall not let bloud for wantonnesse, but neede: you shall forbeare Hearbe-potetage, for at that time onely they are least wholesome: you shall keepe the soles of your feete from wet, and vie energy morning your former friction.

In the moneth of Parch, the ligne being god, you may let blood according to your youth, Arength, and necessitie: you may take hot and sweet meats and drinkes, especially Almends, Figs & Acrosins, & vie also your former friction.

In the month of Appill, you may blied as in the month of Harth: in it also you may purge, by the order of a learned directer: let your dyet be hot and fresh meats, and your drinke temperate: also in this moneth your former friction is excéeding wholesome.

The preserva-



In the month of Spay be no Auggard, for the bed is but wholesome, clerified Telay is this moneth a most sour raigne drinke, and Sage with sweet Butter is a most excellent breakcfast: youg Lettuce is an approved god Sallet, and the inthrals or offall of Beasts would by all meanes be resused, it is also god to let bloud in this month onely for necessite, and not for pleasure, and beware by all means, not to go wetshoed in the dew in the morning.

In the month of June observe the dyet of Hay, or if you be of youthfull bloud it is not amiffe if it be a little color, and for blooding let it be for breent necessitie.

In the month of July elchew all wanton bed-sport: and if each morning you take a draught of clarified Butter. Wilke it is very wholesome: ble cole Julyps, and meats that are fresh, and not Cirring: now forbeare Lettice, and blede not, except it be in cause of great extreamitie.

In the month of August forbeare all manner of Morts, and Cabadges, and generally all meats and Spices which are hot and inflaming: but by any meanes blied not at all, except by the direction of most approved learning.

In the mouth of September you may eate any lost of ripe Fruits: you may bathe in hot bathes, for colde causes, at your pleasure, and you may let bloud according to your necessitie: those fods are best which are of lightest disgestion, and those drinkes most wholesome which are

rather Arong then fcouring.

In the moneth of Datober, spare not any blond, except great extreamitie compellyon, and for your dyet, let it be of such swas are most strong and nourishing, and your drinke Biere or Ale, of indifferent strength, and noin and then at the midst, and end of meales, a draught or two of such Wines as are pleasant, strong, and wholes some: Sallets of Flowers, preserved in Ainegar & Sugar, as either Miolets, Brome-slowers, or Belly slowers of all kindes, or Samppre, Bursan, or Beane cods, preserved in pickell, are of excellent vse, both in this moneth, and the other two which follow.

In the Poneth of Pouember open also no vaine, but for great need, because the bloods then gathered together into the principall vessels: Bathing in this Poneth is otterly to be resused, onely let your body be kept warme, and every colde humour or obstruction, rather disolved by moderate frictions, as is the wed in the moneth of January and February, then by the violence of any other inward medicine. Shell-Kish in this moneth is very wholesome, and so are all other sorts of Kish, which are not to rawe or slymie.

In the Poneth of December bloodetting should be also forborne, except open some especial dayes, as after the fine and twentieth day at the somest: and for your det let it be meate which is hot and nourishing, but by no meanes that which bredeth melancholie bloud. Ase strong Wine and charpe Sauces: as for the warmth of your body, next onto good cloathing, let it ever proceed from exercise that is moderate, then from toasting, or broth ling your selfe against the sire, for in this Ponth that body can hardly be sound whose chinnes are made proceand

motley with the fiers fcoathcing.

And thus much touching the experience of the English Hulbandman in these fore knowledges, and ayming after the times to come, being drawns from the observations and rules lest to by succession of times of those learned Fathers, and other best knowns and approved in these knowledges: yet I doe not binde every Hulbandman to make as it were new Creeds of these Principles, but one by to give them to his memory, as things that will new theropresse northerit, and if in any seldome-seene particularitie, any shall vary from the purpose of the relation, to remember that there is above to a God of all Truth and knowledge, who will dispose and governe all things, according to his god Mill and Pleasure: to which let enery Creature submit, in as much as her onely knoweth what is sommanking most best and most convenient.

CHAP. II.

The choyce of ground for the Kitchin-garden, and the ordering thereof.



Promife honeft and profitable, being fee rioully made, I holde a finne capitall to negled, especially where the godnells Arctcheth it selfe ouer a whole Kinge dome : and hence I have affumed to perfed both my promise and my labour in

building by that weake foundation which I formerly laid, of the English Busbandman: wherein, contrary to all or ther Authors, 3 am neither beholden to Pliny, Virgil, Columella, Varo, Rutillius, Libault, noz any other Forrainer, but onely to our owne best experient Countreymen, whose daily knowledge hath made them most verfect in their profellions: and what better intruction can be had then that which we receive from the profestors, being men of our ofone neighbourhood, acquainted with our Climate and Sofle, and the necessary things agræing with the better ring of the fame: and not refort, as our Translators have bone, to frangers beipe, who tels you that you muft meanure your ground with Affes dung, when our Kinge dome hath not to many foure-foted Alles as wil meanure one Acre, and many fuch like things which our kingdome afforbeth not : therefore according to the plaine true Ens alith fathion, thus I purfue my purpole.

Douching the chopse of Ground, I have inthe former The choyce of part of this Boke thewed you the true nature and gods nese of enery fenerall Sople: and you are to bnder Kand that the best Soyle is best for this purpose, because it is least laborfome, and most profitable : pet not with Candina that some of our translated Authors both biterly disalow for Gardens many Soyles, as namely, all Sands, all Chawkie earths, all Granell, all Carthslike duff, and any Garth which chappeth or openeth in the heat of Dummer,

Summer, by that meanes depriving almost halfe our hingdome of the benefit of Bardens, pet 3 affure pou there is no Sople whatfoener (if it le from the mundate on of water, or be not absolutely boggy) but with indus Ary will beare any Fruit, Hearbe, oz Flower, plentifully, and without any calualtie proceeding from the barraines therof: witnes a most worthy Garben in the barren Beake of Darbyshire, where there is no curious Tre or Plant wanting, noz doe they flourish in any place moze brauely.

Dow for mine owne part, I write generally to all Bulbanomen, not to those onely which live in fertile and fat Soples, and therefore I would have no man lay, the Sople where I line is to barraine, that I cannot have a Barden: for ifthe Sople wherein von line, be barraine, The bettering then thall pou in the latter end of September breake up

your earth moze then a Spade-graft bepe, and be well affured that at enery Spade-graft pou breake the mould well, and leave not the rotes of any weeds within it, then let it rest till the mivst of Daober, at which time if any weeds appeare byon it, by all meanes let them be pluckt

by by the rots, which bene, you hall trench your ground at least a varde and a halfe beepe, and then bury in those

The trenching trenches, if it be a Sand or gravell earth, great fore of Dre 02 Cow meanure, if it be a coloc Chalkie Clay , 02 amopte ground, then great those of Bosle meanure, of both which meanures the oldest and rottenest is the best: but if you like in such a Soyle as there is nevther of these meanures bred therein, then take Araw of any kinde what focuer, and spread it in the high-way where there is much travell, & whenit is rotten with the beating of Woole feet, then cause it to be thoused by, twith it fill your trenches, but if Straw be wanting, then if you have any muddy ditches or ponds, scower the mud out of them, with it fill by your trenches: although these are not so long latting as the two first forts of meanures, pet thep are sufficient to bring forth increase, a must supply where necessity infor-

seth, alwayes having discretion when you se your ground

abate

of Grounds.

of Grounds.

abate in fruitfulnes, to replenish it with fresh meanure.

Pow as you fill your trenches with meanure, let one mire the earth therewithall, and as it were blend and incorporate them together: thus having gone ouer fo much ground as you intend to plant or folie byen, you hall let it well till the midft of January, at which time you Wall breake it by in trenches againe, but not about the quare ters of a parde depe, and then fill up those trenches with meanure as before, and lay your earth as levell as is pol-Able, & folet it rest till the beginning of Warch (if the weas ther be feafonable for fowing or planting) otherwise let if Hay till mid-Harch, and as some as the Hone is changed pour thall then big it by the fourth time, and make it fit to recepue your feede, but in this fourth time of turning ouer pour earth, you thall dig it but a little better then a Spade, graft depth, and ever as you dig it, mire it with freth meas nure : if your ground be subject to much chapping or ris uing, then you thall at this last bigging mire the earth with aften and Berfemeanure mirt together, inhich will binde and bolde the earth from chapping.

After pou haue bigd your ground in this order, and made Of breaking it levell, vou hal with an Fron Rake breake the great clous the Garden of earth, and bring it to as fine a mould as is possible, ever moulde. observing that if in the breaking of the clods or otherwise, you perceive the rosts of falks of any wirds to arife, you Hall presently with your hand pull them out, and cast them on heaps, that they may ferue epther for the fire or the dunghill: which done, you shall tread out your beds in such Ordering of orderly fort, that you may passe from one to the other Garden beds. without epther treading byon the beds, or Ariding ouer them: thus much for the barraine & ferrill ground, which although all ancient & late writers reied, as not worthy to be imployed to this bie, pet belieue it, being hulbanded as is

said befoze,it will equall in fruitfulnes the belt ground. Wouching pour rich and perfect grounds, which of thems Of the fruitfelues are apt to put forth with little labour, you thall full Soyle. onely at the latter end of September breake by the earth.

Carth, and making greater Trenches, fill them well with Dre meanure, and then turning the Barth bpon the meanure, levell your ground bery carefully, breake the clots and take it very painefully, and then freade out your beds, as is befoze fapo, artificially: but if the ground inhich pou breake by, be epther greene-fwarth, or much ouers growne with weeds (as theferich loples mut ever be the one of the other) (for they will not be tole, but continually beinging forth) then at this first oigging and dunging pou thall have divers which thall follow the Space, who thall take away all manner of rots, greenes, graffe-tufts, Kones, oz whatfoeuer may beede anot ance to the ground: which worke being perfected, you thall let the ground reff all winter till the beginning of Barch, that the frost map mellow and ripen the mould, and also kill the rots of such wads as the Spade hath turned bp, and have beine omite ted to be pulled away.

Pow so some as Parchis come, byon the first change of the Pome, you shall digge by this Earth againe, levell it, and other it in all points as was sayd of the varraine Earth, onely there will need no moze vie of meanure, but as some as it is digged, raked, levelled, and brought into a fine mould, you may then tread out your Beds, as afozesayd, ever proportioning the quantitie of them according to the quantitie of your seedes, having the most of that which is most in vie, and the least of the contrary.

Now as touching the fencing and inclosing of your Garden, I have in the former Boke thewed you the same at large, and given severall instructions, according to mens severall abilities, with this caution, that whether your fence be wall, pale, dead-hedge, ditch, or quicklet, yet it must be so high that it may with assurance keepe all manner of Pullen from sixing over the same, who are the greatest enemies to a Garden that may be.

There would be also in this kitchin-Garden, if with conneniency it may be brought to passe, eyther a Pumpe, Well, or Cesterne, which might flow continually with

The necessariest Ornament in a Garden.

water

water all the Summer time, for the watering of Pearls, as hall be hereafter veclared. And thus much touching the chopce of ground for a lattchin-garden, and the ordes ring of the fame.

CHAP.III.

Of the fowing and ordering of all manner of Pot-hearbs.

Den you have prepared your ground, and cafe pour beds in an orderly fathion, as is before spoken, you shall then take your Seeds which Sixos would by no meanes be aboue a piere olde: and having forted them fenerally, every

one by it felfe, and appointed the beds which shall fenes rally receive them: pour shall in this manner folve pour Pot-hearbs, which crave not much rote, because their onely benefit is in the leafe: take your feeds and put them into a woden Drap, then take of your Carben moulde, the finest that may be, being made almost as fine as ashes. and mire your Deeds, and that mould bery well together, then goe to the bedde where you meane to bestow them, and having newly rackt it (to firre by the fresh mould) with your hand fpeinkle and folve them all over the bed, fo thicke as may be : which vone, with a fine Kake, rake the bed gently oner, then taking spare fine mould, put it into a rioling Sine, and fift it ouer the bed better then tivo fingers thickenelle, and fo let it reft : thus you hail doe fenerally with enery feede one after another, bestowing every one byon a feverall bed.

Dow for pour Pot-hearbs, which are moff generally Of all forts of in ble, they be thele: Endine and Succorie, which belight Por-hearbs. in mooft ground, and will endure the winter. Blecte of Of Endine and which there be two kindes, Red and White: this Bearbe Succorie. never nedeth weding, and if he be luffered to thed his fed

it will hardly cuer to be got out of a Barden.

Of Beets.

Then Beets, which must be much woods, for they loue to live by themselves, and if they grow to thicke you may take them by when they are a finger long in their owne earth, and set them in another bed, and they will prosper much better.

Land-Cresses.

Then iand Cresses, which is both a god Pot-hearbe, and a god Sallet-Hearbe: stloueth shadowie places, where the Sunne Chineth least, and standeth in need of little dung.

Parcely.

Then Parcely, which of all Pearls is of most vie, it is longest in appearing above ground, and the elder see is the quicker in growth, but not the surer; but either being once come by increase naturally, and doe hardly ener decay; it cannot grow to thicke, but as you be it you must cut off the toppes with your huise, and by no meanes pull by the rotes; if it be put into a little purse, and beaten against the ground, to bruise it a little before it be solves, it will make it have a large except lease.

Of Sauory.

Then Savory, of which are two kindes, the Winters Savory, and Dummer, both delight in leane ground, and are quicke of growth, and long latting.

Of Time.

ning Time, of which are also two kindes, the running Time, and the Garden Time: they belight in fertile ground, and from the siede are very flow of growth, therefore it is best ever to set them from the flip. The running Time both belight in the chadow, but the Garden Time in the Sunne.

French Mallovves.

Then French-Mallowes, which will top in any ground, and are quicke of growth.

Cheruill.

When Cheruill, which will not by any meanes grow with any other Dearbe.

Of Dill.

Then Dill, which may be sowne almost in any moneth of the piere as well as Parch: it endurethall weathers, but loveth the warmth best.

Of Ifop.

Then loop, which in like manner as Time is, flow of growth from the fied, and therefore fitter to be fet from

the

the flips, after it hath once taken rote it encreafeth wonverfaily, and will hardly be deftroped.

Then Mints, which flourish oneigin the Summer time, Of Mints. but dye in the Winter, it delighteth most in the most

ground.

Then Violets, the leanes whereof are a god Pot-hearb, Violets. and the flowers preserved in close glatte pots, with Arong Wine-vinegar and Sugar, a most excellent Ballet: it doth delight to grow high, and will grow speedely

epther from the plant or from the fed.

Then Baill, which would be fowne in the warme OfBafill, weather, as at the beginning of May, for the feet is tender, and when you have fowne it, you thall presse the earth downe byon it with your feet, for the feeds can endure no hollownesse: if you sowe it at the fall of the Leafe, you shall sprinkle the seede with Ainegar, and suhen you was ter it let the Sume be at his height.

Then sweet Marioram, which would be soinne on rich Sweet Marioground, and farre from Sunnelhine, fozit taketh no der ram.

light in his beames.

Then Marigolds, which renew enery moneth, and ene Marigolds. dure the Minter as well as the Sommer: this Wearbe

the oftner you remone it, the bigger it groweth.

Then Strawberries, whose leanes area goo pot-hearbe, Of Strawand the fruit the wholefommed berry : this Wearbe of all berries. other, would be fet of the plant, and not fowne from the feed, for the oft changing and removing of it causeth if to grow bigger and bigger: it groweth belt buder the that bowes of other Bearbes, but very lufficiently in beds, or eife where.

Then Borage and Bugloffe, both which are of one of Borage nature: they would be fowne in finall quantity, for where and Bugloffe. they take they will runne over a whole Garden: the feed must be gathered when it is halfe ripe it is fo apt to thed, and when you gather it you must plucke by the Galkes. leanes & all, and fo laying them one byon another three oz foure dayes, their own heat will bring the feed to vipenes.

Then

Of Rolemary.

Then Rosemary, which is an Hearbe tender and curious, yet of lingular vertue: it is some saine with frost or lightening: it will grow plentifully from the sade, but much better from the slip, it delighteth to be planted against some Wall where it may have the restertion of the Sunne, sor to stand unpropped of himselfe, the very shaking of the winde will kill it.

Of Penyroyal.

Then Penyroyall, which most properly is vied to be mixt with Puddings, made of the bioud of Beasts, a Date meale: of it there be two kindes, Wale and Female: the Wale beareth a white flower, and the Female a purple: it must be folune in small quantity, for it will runne and spread over-much ground: it delighteth most in most earth.

Of Leekes.

Then Leckes, which would have a fertile ground, and as some as they be that up a god length you thail cut the blades to the polt, and then remove the heads, and set them boxderwise about your other beds: this removing after the cutting off the blades, will make them grow bigger, and prosper better, as for thrusting Dyster-shels or Tyle-shreads under them, to make the heads bigger, it is a top, for if the mould be lose and god, the Lecke will come to his perfect growth: they may be sowne both in Harch, Aprill, Pay, and June, and they may be removed all July, August, September and October.

Of Onions.

Then Onions, which differ not much from the nature of Likes, they love a fertile Soyle, and would be sowne with the sieds of Sauory: when they come up if they grow to thicke, as is often siene, you thall plucke up some and spend them in the Pot and in Sallets, to give the rest more rome, and some you shall take up and replant in or ther beds, which you may preserve for sieve: those Onions which you would not have to sieve, you shall cut off the blades in the miost, that the supre may descend downer ward, and when you see the heads of the Onions appearing about the earth, you shall with your feet tread them into the ground: there be some very well experience

Dulbands,

Onfbands, which will take the fayzest, goodiest and foundeft Onions they can get, and in this moneth of Warch fet them them fingers deve in the earth, and thefe of all other bring forth the pureft and belt fiede, for which pure pole onely they are preserved : as some as your feed-Onis ons are knotted, you hall underproppe them with fquare cradles, made of flickes, leaft the waight of the boules which carry the feede, thould breake the blades.

The time of gathering your feede is, when it is all turs Of gathering ned purely blacke, and the time of gathering the Onions is, when the heads doe forfake the earth, after they be gas thered you thall lay them on a day floze for a fortnight, or more, and then binde them by in ropes, and hang them Where they may have the avze of the fire, onely note that hall gather your Dnions in the increase of the Done, as they were fowne, and not otherwise.

Many other Pot-heards there be, which for as much as they differ nothing, eyther in folding, planting, 02 029 bering, from thefe which I have rehearled, I will hiere omit them, and thinks this fufficient, touching the folding

and ordering of all manner of Pot-hearbs.

Onion-seede, or the Onion.

CHAP. IIII.

Of the fowing of certaine Hearbs, which are to be eaten, but especially are medicinall, yet euer in the Husbandmans Garden.



F Dearbes which are medicinall, 3 will bes Of Arage. gin with Arage, 02 Orache, which being coloe and morft is very excellent against the hot Bout: it is to be fowne in any moneth, from February till December:it loueth much mois

seet free at to forearth the order, and admi

Aure, and therefore must be oft watered ; it must be foinne creeding thinne, and quickly courred, for the ayre is offenline.

Dert

Of Lumbardy Loueage.

Pert it is Lumbardy, Loueage, which being hot and day, is very purgative, it desireth a very fruitfull ground, but if it be sowne where it may have much shadow and some sheiter accompanied with moreture, it will grow in any ground, the moneths for sowing thereof, is, from the midst of February till Parucs.

Of Fennell.

Fennell is also hot and day, and it comforteth the Nomacke, openeth the inward vewels, and helpeth disgettion; it may be sowne in any moneth, and upon any indifferent ground, especially if it be a little Kony, the seede would not be very old, though of all other it be the longest laster.

Of Anise.

Anile is hot and day, it distolute humous and obstructions, and is very comfortable to weake stomacks, it delighs teth in a god and lose mould, and is to be sowne in the height of the Spring onely.

Of Comin.

Comin is of the nature of Anise and Fennell, and mirt with either, is very sourcaine against all inward sicknesses proceeding from cold, it loueth a scuitfull rich earth a much warmth, and therfore the later it is sowne in the Spring, it is so much the better, and above all things it would be sowne in the hottest time of the day, a if it be mired with out ther seeds, it is so much the better, and appeareth the somer.

Of Coliander.

Coliander is of the nature of the earth, cold a day, it helps disgestion, a suppresset the bapours which offend the braine, it may be sowned by any indifferent ground, a in any month except December and January, the eider the seedes are the better so they be sound, and they desire much watering.

Of Ruc.

Rue of Hearb-grace is hot and dip, sis very foneraigne against all inward insection, putrisations, and impostumations, it invertin any reasonable ground so it grow warms and dip, the moneths sittest soft the sowing thereof, is Aparch, Aprill of Apa, and the mould would be sirme and not subject to ryuing, whence it procedes that no measure is so god soft the encrease thereof as horse, dung and ashes mirt together; the beds would be made high a discending, that no mortiure may say thereon, they must be carefully sueder, soft in their sirst growth otherwise they are some choaked.

Organic

Organicis hot and dap, and excellent against any ficks Of Organic. nete of the liver, the ground in which it most is yeth would be a little fronte, and full of rubbilly, pet by no meanes ondunged, the moneth fittest for the fowing thereof is Warch and September, the Done being in Libra or any other moil figne, it must be continually watred till it appeare about the earth, but after forborne, for being ence well fired, it is ener certaine.

White Poppy is colo and mouth, and much pronoheth Of white fiepe : if delights to be fowne in a rich , warme, dip Poppy. ground, in the moneths of Parch, September o: Ps.

Germander is hot and bay, and excellent against the Of German-Things cuill; obstructions of the Spleene and hardnesse of der. Theine : it is a hard hearbe, and will prosper in any ground, it is to be foune, either in the fpzing or fail of the leafe, and is most comly for the fetting forth of knots in Bardens.

Cardus Benedictus, or the bieffed Thittell, is hot and bap, it is very fourraine against most inward sichnesses, stanch, eth blod, and is a great comforter of the braine, it des lighteth in a rich ground and a lose well tempered mould. it mud be folune very hallow, and not covered above ting inches depe, the first quarter of the Mone is best to fowe it in, and in the moneths of Parch Pay or September, if pon fowe a little fine flaven TAheat with it, no boubt but it will prosper the better.

Angellica is hot and day, it openeth and distolueth obe Arudions, is an excellent cordiall against poplon, and all infections, it heipeth the collicke, and cureth the biting of wiadde dogges or benemous beaus, it loueth a fruitfull dry monlo, but may not indure the trouble of wedes, it is to be fowne in Warch or Aprill, tit flouritheth in July & August, it hath alwiet obour, and helpsth all enill & infected apzes.

Valerian is hot a day and preventeth infection, it helpeth Of Valerian. Aitches and other griefes proceeding from windy causes, it loueth to grow in moiff and low places, the ground being well meanured, and till it be that at least a handfull high, it

Of Cardus Benedicus,

Of Angellica.

it must be kept with continuall watring, the montest time of the pure is the best to sowe it in.

Of Elecam-

Elecampana, is hot and moylf, and god for offences in the lungs, or any outward to ynt, being troubled with paine proceeding from colde: it is better much to be let then fowne, yet notwithstanding it may safely enough be sowne at any time after mid-Parch, the ground being rich, soft, and loose, and the seede strowed very thinne, and at least two singers distance one from another.

Pepperwort is hot and daye, yet of the two much moze hot, it is god against all kinde of aches, and other paine in the loynts, or sinewes: it delighteth in a rich blacke Soyle, fat and lose: it would be solve in February, and

remoued in September.

Of Philipen-

Of Pepper-

wort.

dula.

Philipendula is very hot and day, and is god against aboative births, Stone, Strangury, or any griefe proceeding from colde eauses: it may be sowne in any barraine, stony, or gravelly Soyle, in the months of Nay, Aprill, or September: it neither desireth much weeding, nor much watering, but being once committed to the ground appeareth sodainely: and thus much of those Hearbes which are sit sor Medicine, of which though there be many or there, yet they differ not in their ordering from these already declared.

CHAP. V.

Of divers forts of Sallet-Hearbes, their manner of fowing and ordering.

Of Lettuce.

Mongst the many numbers of Sallet-Hearbes
Thinks it not amisse to beginne first with
Lettuce, which of all other whose vertue is
helde in the lease, is most delicate, tencer, and
pleasant: the ground then in which it most delighteth, is
that which is most fertile, best laboured, and of the finest

mould,

mould, being foft, lofe, and moze enclining to mopfture then dineffeit may be sowne in any moneth of the yeare, from February to Pouember; it is very quick of growth, and will appeare abone the earth in foure dayes after the fowing: it would at first be sowne thicke, and carefully kept with morning and evening watrings, if the feafon be day, but not other wife: after it is growne and faire spread about the earth, which will be in a moneths space of there abouts, you that chuse out the fairest and goodfest plants, and faking them by with the earth and all, about their rotes, replant or remove them to a new bed of fresh mouid, and there let them a fote distance one from anofiver, and fire their rotes fall and hard into the ground : then couer or presse them downe with Tyle or Slate Kones, to make them spread and not spring volvard, by which meanes the leaves will gather together, and cabe badge, in a thicke and god order, for it is to be bnderftod, that the oftner you remoue your Lettuce, the fairer and closer they wil cabbage. There be divers which observe to remoue Lettuce as some as fire leanes are spring abone the ground; but I like better to remove them when thep begin to spindle: they are most estemed in the moneths of Apzill, Day, and June, for in July they are supposed to carrie in them a poplonous lubitance.

Pert the Lerruce I preferre the hearbe Spynage, Of Spynagewhich belighteth in a well-bunged earth, and may be fowne in Apzill, March, September, oz Daober: it would not be mired with other leedes, because it prospereth beff

alone.

Sparagus topeth in a fertill moift ground, the mould bes Of Sparagus. ing made light which covers it, and the ground wel dungs ed, the Spring is the belt time to fowe it, and it mult be fowne in long furrowes or trenches made with your fine ger, and not butuerfally spread over the bed as other fees are: it lougth morfture, but may not endure the wet to ipe long byon it, and therefore the beds would a little dels cend it: mult not be removed till the rates be so feltred

together.

together, that they hinder the new branches from fprings

ing by, which commonly is two yeares.

Of Colworts.

banded ground, and may be solven in all sorts and seasons as Lettuce is, and must also in the like manner beremoued, after the principali leaves are come forth, which will make them to gather together, and cabbadge the better: and as they may be solven in any scason of the yeare, so like wife they may be removed at all scasons like wise, except the frost or other buseasonable weather hinder you: and although some men will not allow it to be solven in clay grounds, granell, chalke, or sand, yet they are deceived; for if the earth be well ordred, they will grow plentifully, onely you must observe when you remove them to let them have earth rome enough.

Of Sage.

Sage is in Gardens molt common, because it is molt inholesome, and though it may be better set from the slip then solven in the sixde, yet both will prosper, it loueth any well drest ground, and may be solven either in February, Warch, September, or Adober: it loueth also to grow thick and close together, and will of it selse overcome molt wedes: it asketh not much dung, neither two great care in watring, onely it would be oft searched, for Toades and other benemous things will belight to see bender it, the more Summe and apre it hath, the better it is.

Of Parslane.

Purslancis a most excellent Sallet hearbe, and loueth a fertilosoile, and though it may be solven almost in any mosneth, yet the warmest is the best, as Appill, Pay, June, or Septemb. Buck ashes are an excellent measure for them, and for most Sallet hearbs else, but about all they loue dry bust and house slivepings, they are apt to shed their seets, whence it comes that a ground once possest of them will seldome want them, they may also be removed, and will prosper much the better.

DfArtichokes

Artychokes love a fat earth, and may be sowen in Festuary or Warch, the Some encreasing, the sweet must not be sowen together, but set one by one a good distance

afunder ;

alunder; they must be somewhat depe, and be siemely concred; pet if you can procure them, I rather with you rather to let them from Slips oz young Plants, then lowe them from the fædes, for they doe so naturally love the earth, that you can hardly flip fo walt a leafe from an Artychoke as will not takerwie; if you fowe the fiede, you much be carefull to weede and water them well, for the first leaves are very tender: also if you remove them after their first fpzinging, the fruit will be bigger and better.

Garlicke is best in September and Ponember, to be Of Garlicke. fet from the clove, in a about the borders of beds, or other feedes , halfe a fote one from another , and in Februarp, Warch, and Apaill, to be fowen from the feede: it must be ordered as you order Onyon fiede, it loues not much wet noz ertreame drought, onely it defires a god mould which is rich and firme, pet not to much bunged.

Raddill louetha fertile ground, that is well bunged, OfRaddill. chiefly with mans ordure, that is depetrencht, and hath an eafie and light mould, and the fades would be placed either in romes, or about the borders of beds, as pour doe Garlicke: the manner of fowing it is with a dibble or round Micke, to make a hole into the ground almost a fote beepe, and then into that hole to put not about tivo feets at the most and then close the hole by againe, and let the holes be foure fingers one from another, it may be fowen in moff months of the pere if the froft hinder not, and to make the rote large & tender, and to keepe the branch from feeding : you thall as it fpzings crop off the pzincipall leaves which grow against the heart of the rot: to tread them downe into the earth after they have fall rote is god alfo.

Nauew, if the earth have any small goonesse init will Of Nauews grow plentifully, neither is offended with any aveconely the mould would be love and rough, for other wife it many times turneth to Kape : the fede naturally commeth by bery thicke, therefore it is expedient to remove them and plant them thinner, for that best preserveth their

natures.

natures, they may be sowne in February, Parch, Aprill,

September, 02 Daober.

Of Parineps and Carrets Parsneps of Carrets are of one and the selfe nature, they delight in a good fat earth, and would be sowne reasonably thicke, in long diepe trenches like surrowes, having a gentle and easie mould either in the moneth of January, feedbruary, of Parch, of in September, October, of December, they must be carefully well weded, and if the earth be fat, they niede not much watring of other attendance.

Of Pompy-

Pompyons; Gourds, oz Mellons, belire a bery god ground, oz by Pature oz Art, the fædes muft be fowne very thinne, as at least halfe a fote one from another, they would lye reasonably beepe, pet the mould bery gentle which couers them, they are subject to spread and runne ouer much ground, therefore as they grow you must dired their femmes to as they may not annoy one another. and when they flower you shall lay broad Tiles or Slate Kones binder them, that the fruit noz flower may not touch the earth; if you plath them by against tres or walles where they may have the reflection of the Sunne, the fruit will be larger, pleafanter, and Coner ripe: they note no weding not watring after you fee them appeare about the earth, and the beft feafons to fowe them in, is february, March, of Aprill, thefe are the best Pompyons which have the smallest seedes, and are of the most pellowest complerion.

Of the Cove-

Cowcumber, is a delicate, pleasant, yet very tender fruit, and delighteth in anextraozdinarie sat earth, especisally during the opening or sprouting of the side, therefore the best and most undoubted safest way sor sowing them, is, sixth in some corner of your kitchin garden to make a bed of two or thrick yards square of olde Dre dung, and Horse dung mixt together, and at least a yard or better high from the earth, then couer this bed of dung with the richest garden mould you have, better then halfe a sote thicker then thereon place your siedes halfe a sote like inse

one from another, and be most fare that your feeds be hard and found (for any foftneffe in them theweth rottenmelle) then cover them foure fingers thicke with the like mould: then within feauen or eight dayes, after you shall fie them appeare about the earth, but in any wife let them continue Will till the principall leanes be come forth, and they begin to creepe out in length, then with your hand. griping the whole plant, take it by by the rotes with the earthand all, and plant it in a bed new diaged & trimmed for the purpose with a rich lose monlo, and so replant and remous each rote fenerally one after another, and they will grow and bring forth in great plenty. Dow by the way you must observe, that as some as you have sowne pour ledes pou hall proutde a Dat, Canualle, or other conering, which being placed byon fakes oner the bung bed, thall enery night after Sunnesfet be fpzead oner the same, and not taken away till the Sunne be rifen in the morning, for this will defend the fixdes from frofts and other cold belves which are very dangerous. Dowifany demand who thefe feedes are thus fowne first on the bed of bung, they thall bnderstand that besides the warmth and fertility thereof, that the feedes are fo pleafant and tender, that wormes and other cræping things in the earth will destrop them before they can sprout, which this bed of bung preventeth. The months molt fit for folding thefe feedes, are Apzill, Bay, and June onely, for other are much to colve, and in this manner you may fowe any tender fæde whatsoever.

Beanes of Egipt delight in a mopft watriff ground, ras Of the Beane therfertile then any way given to barrainnelle, pet will plentifully enough prosper in any indifferent earth : thep are rather to fet then foive, because they must take strong rote, and be fired fomewhat depeinto the earth, and the moneth which is most proper for them, is the latter end of January, all February and the beginning of Warch onely.

Skerrets are a delicate rote, white, tender, and pleas Of Skerrets. fant, little differing in talt og ercellencie from the Eringo. They

Œ 3

They velight in a rich monlo, moult and well broken, and mult be fet depe in the earth: after they be a finger length about the ground they would be removed, and planted in afrelly mould, which will preferue them from fpeedie feeds ing, for when they runne to liede, they lofe the vertue of their rote. The moneths fittelt for the folding of them, is March, Apath, and Day, and if you defire to have them all . Winter , you may then fowe them in September and Daber. And thus much for Ballet-hearbs, and rotes of all natures, of which kindes though there be diners other. pet you hall binderstand, all are to be ordered in the manner of these before rehearsed, that is to say, such as have their bertues in the stalke or leanes, like Spynage, Sparagus, Purflayn, and fuch like, those which cabbadge oz knit together in hard lumps, like Lectuce, Colworts, and fuch like, and those whose godnetse lives in their rotes, like Raddish, Carrets, Skerrets, and such like.

A most necesfary observation.

Dow for a most necessarie observation, every Gardner ought to beare this rule in his memorie, that all Dots hearbs must be sowne thicke, and but thinly covered, as namely not about the fingers: all hearbs which cabbadge must besowne thicke, and deper conered, as a full hande full at leaft, and in their remouing planted thinne, and well firt into the earth: and all rotes mult be folven thinne and bope, as almost a fote either let into the ground, 02 Arewed in bepefurrowes, digged and laide bp for the purs pole, in which the quantity of your feede mult onely direct you: for if you have occasion to fow hardly a handfull, then you may let them one by one into the ground at your leas fure, but if you have occasion to some many Decks of halfe Pecks, then you hall turne by your earth into depe furrowes, and in the bottome thereof featter your feede, and after rake it into a levell, and you hall not onely faue much labour, but gaine your purpole.

CHAP. VI.

Of Flowers of all forts both forraigne and home-bred, their fowing, planting, and preferuing.

Aning written sufficiently of Pot-heards and Sallet-hearbs, which are the ornaments of the Husbandmans Kitchin oz Table, I will here speake of flowers, which either for their

Imeis, beauties, or both, are the graces of his Chamber. And first, because my maine ayme and scope is English Dusbandzie. I will begin with those flowers which are most proper and naturall for our climate, of which because 3 holve Roles both for their smell, beauties, and wholes fomnelle to ercese all other, I thinke it not amille to give them the first place and precedencie before all other.

Don thall binderstand then that Roles are generally and Of Roles. aunciently but of thee kindes, the Damafke, thered, and the fubite, and fuhat are different from thefe are but berinations from them, being by grafting, replanting, and phificking, fomewhat altered cither in colour, fmell, oz

doublenesse of leafe.

To speake then first of the Damaske Role, it is fit that Of the Da. all hulbandmen know, that Roles may as well be fowne maske Role. from the fede, as planted from the rote, Syen, og branch onelp, they are the flower in comming by, more tender to nourith, and much longer in pælding forth their flowers, pet for fatisfaction sake and where necessitie begeth, if of force or pleasure you must sowe it from the sede, you hall thuse a ruffilly earth impand well dunged, and you hail cast up your beds high and narrow : the moneth which is fit for their folding is September, and they must be cours red not aboue foure fingers depe, they muft be defended well all the Winter from frosts and Sozmes, and then they will beare their flowers plentifully all the next Spring

Spring following; vet this is to be noted, that all Roles which rife from the fiede limply, their flowers will be fingle like the Eglantine, oz Cyphanie, therefore after your plants are two peresolde, you mult graft one into another, as you doe other fruit, and that will make them double and thicke: also you must remember that those vellow small sedes which are in the mide of the Rose, are not true Role feedes, but those which lye hid in the round peare knob binder the Role, which as some as the leaves are fallen away, will open and thew the fede. And thus much touching the fowing of all forts of Roles, which is for experience and knowledge lake onely, for indede the true ble and property of the Role is to be planted in thort Aips about fourteene inches long, and the small tallels of the rote cut away, they would be fet halfe a fote into the ground, in the same manner as you let ordinary Duicks let, and of like thicknesse, rather a little flope wife then bozight: and though some thinke Warch the best season. yet doubtlesse September is much better for having the rote confirmed all the Winter, thep will beare the foner and better all the Sommer following; you must be cares full to plant them in faire weather, and as nere as pour can buder thelter as by the fives of walls, and fuch like co. uert where the Sunne may reflect against them, and if they be planted on open beds oz bozders, then you muft with Poales and other necessaries support and hold them op, least the winde thake their rotes and hinder their growing.

Of the red Rofe. The red Rose is not fully so tender as the Damaske, neither is it so pleasant in smell, not doubleth his leanes so often; yet it is much moze Phisicall, and oftner vsed in medicine, it is likewise fitter to be planted then sowen, and the earth in which it most to yeth would be a little rough of gravelly, and the best compasse you can lap but it, is rubbish, of the sweping of houses, the moneths to sowe of plant it in is Parch of Deptember, the time to prune and cut away the supersuous branches is ever the midst of October.

The white Role is of lette smell then thered, and will Of the white grow in a harder ground, his ble is altogether in Philicke Role. as for fore eyes and such like: it will grow into a Tree of some bigge substance, and is seldome hurt with frosts, Rozmes, og blaftings : it would likewife be planted from the rote against some high wall, either in the moneth of February or Parch, and the oftner you plant and replant it, the doubler and larger the flower will be: for the earth it much skilleth not, because it will grow almost in every ground, onely it delights most in the chadolo, and would be feldome pruned, ercept you finde many dead branches.

The Cinamon Role, isfor the most part lowen, and not Of the Cinaplanted, whence it comes that you Hall ever fix the leaves Angle and little, the delicacie thereof being onely in the fmeil, which that you may have most fragrant and frong, you hall take a bedell of earth, being full of small holes in the bottome and fides, and fill it with the richest earth von can get, being made fine and lofe, then take Damafte Rofe fædes which are hard, and found, and fræpe them foure and twenty houres in Cinamon water, 3 oce not meane the distilled water, but faire Conduit water, in which god Roze of Cinamon hath bin freped, oz bopled, oz milk, wh in goo fore of Cinamon hath bin diffolued, and then fow thole ledes into the Pot, and couer them almost that fins gers depe, then morning and eucning till they appeare about the earth, water them with that water of milke in which the feedes were freped, then when they are fprung bp a handfull or more about the ground, you hall take them op mould and all, and having dreft a border or bed for the purpole, plant them fo as they may grow by against fome warme wall or pale, and have the Sunne most part of the day thining boon them, and pourthall be fure to have Roles growing on them, whose smell will be won-Derfull pleasant, as if they had beene spiced with Cinamon, and the best feafon of fowing thefe is ever in Barch, at high none day, the weather thining faire, and the winde most calme.

mon Rose.

Tomakethe grow double.

Pow if you would have these Roses to grow double, Cinamon Role which is an Art pet hid from most Gardners, pou hall at Pichaelmasse take the oppermost parts of the Plants from the first knot, and as you graft either Plumme oz Apple, so graft one into another, and couer the heads with earth 02 clay tempered with Cinamon-water, and they will not onely grow double, but the smell will be much Aweter, and loke how oft you will graft and res graft them, so much moze double and double they will paoue.

Of the Prouiace Rose.

The Province Rose is a velicate flower for the epe more then the note, for his oft grafting abateth his fmell, but doubleth his leafe to oft that it is wonderfull; there, foreif you will have them large and faire, you shall take the fairest Damaske Roles pou can get, and graft them into the red Rose, and when they have that out many branches, then you hall graft each severall branch agains with new grafts of another grafted Damalke Role: and thus by grafting graft vpon graft, you hall have as faire and well coloured Province Roles, as you can with 02 bes fire: and thus you may doe either in the Spring or fall at your pleasure, but the fall of the leafe is ever helve the boit featon.

To make Rc. fes fmell well.

Powif your Roses channee to lose their smels, as it oft happeneth through these bouble graftings : you thall then plant Garlicke heads at thermtes of pour Roles, and that will bring the pleasantnesse of their sent buto them as gaine.

Generall notes touching Rofes.

Pow for your generall observations, you thall res member that it is god to water your Roles mozning and evening till they be gathered; you thall rather cos uet to plant your Roses in a day ground then a wette; you shall give them much thelter, Arong support, and fresh dung twife at the least enery yeare, when the lease is fallen, you hall cutte and prune the branches, and when the buds appeare you, then begin your first watring. Lauender

Lauender is a floiner of a hot smell, and is moze effer Of Lauender. med of the plaine Country housewife then the Dainty Titizen: it is very wholesome amongst linnen cloathes, and would be sowen in a good rich mould, in the moneths of Barch oz Apzill.

The white Lilly would be sowenina fat earth, in the Of the white monoths of Daober and Ponember, og in March og Apail, and the fades must be sowen erceding thinne, not one by any meanes touching another, and the mould which cour-

reth them must be lifted gently bpon them.

If you mould have your Lillyes of a purple colour, you thall tape your faces in the Les of red wine, and that will change their complexion, and also you shall water the Plants with the same Les likewise: if you will have them fearlet red, you hall put Vermillion of Cynaber bes theene the rinde and the small heads growing about the rote: if you would have them blew, you thail disclue Azure of Byfe betweene the rinde and the heads, if pellow Orpment, if grane Verdigreace, and thus of any other colour.

Pow to make them flourish enery moneth in the Tomake Lilpiere, you chall some your liedes some a fote dipe, some halfe a fote, and some not two inches, so they will spring one after another, and flourish one after another.

The wood Lilly of Lilly of the vale, delighteth most in a mopft ground, and may be folven either in March 02 September, it is very faire to loke on, and not fo fuffe-

cating in imeil as the other Lillyes are.

The flower de Lice is of ercellent beauty, but not bery Of the flower pleasant to smell to, it loueth a day ground an easie mould, and is fittelt to be solven in the moneth of March.

Pyonic of the bletted Role, loueth a good fat earth being fomelwhat lose, and may be lowen either in March 02 Sep, tember, it asseth not much watring, onely some support because the falkes be weake.

Perillius of Indian eye, may be fowen in any ground, for it desireth neither much water, nor much dung, and JF .2

Tomak Lillyes of any ce-

lyes flourishall the yeere.

Of the wood

Of Pyonie.

Of Petillius.

the belt feafon for lowing, it is June or September, for it will beare flowers commonly all the Winter.

Voluct flower loueth a rich fertile ground, and mut be much watred: the feafon best for the fowing is August, for

commonly it will beare flowers all the Whinter.

Of Gylliflorycrs.

Of Velues

flower.

Gill flowers are ofdiners kindes, as Pynks, Wall-flowers. Carnations, Cloue Gilliflowers, and a world of others, which are of all other flowers moft fweet and belicate: all but the Wall-gill flower lone god fertile earths, and may be folven either in Parch, July, or August. They are better to be planted of Slips then fowen, pet both will profper. They are bery tender, and therfore the best plante ing of them is in earthen Pots, oz halfe Tubs, which at your pleasure you may remone from the hade to the Sume, and from the roughnette of Comes to places of thelter, they grow by high on long flender falkes, which pou must defend and support with square cradles made of flickes, least the winde and the waight of the flowers breake them: thefe Gilliflowers you may make of any co. lour you please, in such fort as is thewed you for the colouring of Lillyes, and if you please to have them of mirt Of grafting of colours you may alfo, by grafting of contrary colours one into another : and you may with as great cafe graft the Gylliflower as any fruit whatfocuer, by the topning of the knots one into another, and then wrapping them about with a little foft fleau'd filke, and conering the place close with foft red Ware well tempered. And you thall buders stand that the grafting of Gylliflowers maketh them erreding great, bouble, and most ogient of colour.

Of the linels of Gylliflow-

Gylliflowers.

Pow if you will have your Gyliflowers of divers fmels or obours, you may also with great eafe, as thus for erample : if you will take two or thee great cloues, & fiepe them foure and twenty houres in Damalke Rofe water, then take them out and bauife them, and put them into a fine Cambricke ragge, and fo binde them about the heart rote of the Gylliflower, niere to the fetting on of the falke, and so plant it in a fine, soft, and fertile mould, and the flower

flower which springeth from the same, will have so delis cate a mirt smell of the Clone and the Rose-water, that it will breede both delight and wonder. If in the same manner you take a flicke of Cinamon, and steepe it in Rose water, and then bruife it, and binde it as afczi-faid, all the flowers will smell strongly of Cinamon: if you take two graines of fat Bulke, and mire it with two drops of Das malke Rose water, and binde it as afore, said, the flowers will imell Acongly of Dulke, pet not to hot noz effentive, by reason of the correction of the Role Water: and in this fort you may poe either with Amber-greece, Storax, Beniamin, or any other fweet orugge whatforuer; and if in any of thefe confections before named, pou frepe the feedes of pour Gylliflowers foure and twenty houres before pour fowe them, they will take the same smels in which you frepe them, onely they will not be fo large og bouble, as thole which are replanted or grafted.

Powfoz pour Wall Gylliflower, it belighteth in hard rubbifh, limp, and fonie grounds whence it commeth that they couet most to grow bpon walles, pauements, and fuch like barraine places. It map be fowen in any moneth

og feafon , fog it is a feede of that hardnelle, thatit makes no difference betwirt Minter and Sommer , but will fourish in both equally, and beareth his flowers all the pere, whence it comes that the Bulbanoman prefernes it most in his Be-garden ; for it is wondrous (wet, and af-

fordeth much honey. It would be fowen in very small quantity, for after it have once taken rote, it will natus rally of it felfe over-fpread much ground, and hardly ever after be roted out. It is of it felfe of fo erceding a ftrong

and finet finell, that it cannot be forced to take any other, and therefore is ever preferued in its owne nature.

The Helyeropian or flower of the Sume, is in nature Of the Helyand colour like our English Marigold, onchy it is ercabing tropian. huge in compasse, for many of them will be twenty, and foure and twenty inches in compate, according to the fertilenesse of the loyle in which they grow, and the off replanting 3 3

Of the Wall Gylliflower.

planting of their rotes, they are ercoding goody to loke on, and pleasant to smell, they open their slowers at the rising of the Sunne, and close them agains at the Sunne setting, it delighteth in any soyle which is fertile either by Art of Pature, and may be sowen in any moneth from February till September, the off planting and replanting of the rote after it is spring a handfull from the earth, maketh it grow to the uttermost vignesse, it would have the Gast and West open upon it, onely some small Pent-house to keepe the sharpnesse of the swines from it.

Of the Crown Emperiall-

The Crowne Emperiall, is of all flowers both For raigne and home-beed, the delicatest and strangest: it hath the true spape of an Emperiall Crowne, and will be of diners colours, according to the Art of the Bards ner. In the middelt of the flower you hall fee a round Bearle fand, in proportion, colour, and exientniffe, like a true naturall Bearle, oncly it is of a loft liquid fub-Cance: This Bearle if you thake the flower never fo violently will not fall off, neither if you let it continue neuer so long, will it either encrease or diminish in the bignette, but remayneth all one: pet if with your fine ger you take and wipe it away, in leffe then an houre after you thall have another arife in the fame place, and of the same bignesse. This Pearle if you take it byon pour tongue, is pleasant and sweet like honey: this flower when the Sunne ariseth, you hall seit loke directly to the Gat, with the Caike bent lowe there buto, and as the Sunne arifeth higher and higher, to the flower will likewife afcend, and when the Sunne is come into the Meridian or none poput, which is directly ouer it, then will it Kand bpzight bpon the Kalke, and loke direally byward, and as the Sunne veclineth, so will it likes wife decline, and at the Sounne fetting loke directly to the Mestenely. The ledes of this flower are very tender, and therefore would be carefully sowen in a very rich and fertile earth well broken and manured. The featons

: most

most mete for the same, is the latter end of March. Aprill, or Day, for the flowers flourith moff in Day, Bune, and July. As lone as it is forung a handfull abone the earth; you hall remoue it into a fresh moulo, and that will make it flourish the brauer : the rote of this flos wer is like an Apple, og great flat Dnion, and theres fore in the replanting of it, you must be carefull to make a hole large and fitte for the same, and to fire the mould gently and close about the same. In the Win. ter it the inte the earth, and is hardly or not at all discerned, by meanes whereof I have feine divers supe poling it to be dead, to digge by the earth, and negligently spayle the rate, but be not you of that opints on, and in the Spring you hall feit arife and flourish

beauely.

The Dulippo is but a little thost of the Crowne Of the Du-Emperiall in pleasantnesse and rarenesse, for you map lippo. have them of all colours whatfocuer, in fuch fort as was thewed you for the Lillyes, Gylliflowers, and se therrotes : they are tender at their first spainging from the feede, and therefore must be sowen in a fine rich monlo, in the warmth of the Sunne, either in Garch, Appill, 92 May: but after they are once forung aboue the ground, they are reasonable hard, and will des fend themselves against most weathers : the rote of this flower is haped like a Pears, with the biggeff end downeward, and many small threeds at the bots tome; therefore you must be fure when you remone or replant it, to couer all the rote in fresh mould, and let not any part of the white thereaf be bucouered: this flower by monethly replanting, you may have to flourish in all the Summer moneths of the yeare, for in the dead of Winter it thinketh into the ground, and is hardly or not at all perceived, the Calkes of thefe flowers are weake, therefore to support them, and defend them from the Makings of the windes with little.

little square frames of Aickes, will be very god and nes

ceffarp, it muft be oft watred.

Of the Hya-

The Hyacinch is a flower moze delicate to the eye then nose, and is of a god Arong nature, foz it will endure any reasonable earth, and may be sowne in any moneth of the Spring, from the beginning of February till midde. June: it onely hateth tempelts and Aromes, and therefore is commonly sowen or planted nære but o walls or other Chelter. You may have them of any colour you please, as is thewed before of other flowers, and in this alteration or mirture of colours their greatest glorie appeareth, they will flourish all the Summer long, and if they stand warme, appeare very early in the Spring.

Of the Nar-

The Narculus is a very curious and dainty flower, and through his much bartety and alteration in growing, they are supposed to be of diners kindes, but it is not fo; foz in as much as they are fiene to be of biners colours , that is but the Art of the Bardner, as is befoze erpzeft in other flowers, and whereas some of them grow fingle, some pouble, and some double boon double, you thail buder. Kand that fuch as grow fingle, grow fimply from the feece onely, those which are double and no moze, are such as have beene planted and replanted, the small threeds of the rotes being clipt away, and nothing left about it that is superfluous, and those which are double byon double, are the bouble plants grafted one into another. This Narciffus loueth a rich warme foyle, the mould being easte and light, it may be sowne in any moneth of the Spring, and will flourts all the Summer after. Befoze it appeare aboue ground it mould be oft watred, but after it this not how little, foz it will defend it felfe fufficiently.

Of the Daffadill, Colombine, and Chesbole. Pot bulike buto this is your Daffadill of all kindes and colours, and in the same earths and seasons delighteth either to be sowen or planted, and will in the same manner as your Narcissus double and redouble his leaves; so will your Colombine, your Chesbole, and almost any holiow sower whatsoever. Pany other forraigne sowers there

are which grow plentifully in our kingdome : but the ozder of their planting and solving differeth nothing from these which I have already declared, being the most tens der and curious of all other, therefore I will end this An excellent Chapter with this one caution onely, that when you Mall Caution. receive any fiede from any forraine Patten, you hall learne as nære as you can the nature of the fople from whence it commeth, as hot, monte, colde, oz day it is, and then comparing it with ours, sowe it as nice as you can in the earth, and in the feafons that are nevert to the foyle from whence it came, as thus for example: if it came from a clime much hotter then ours, then thall you foive it in fandie mould or other mould made warme by Arength of meanure, in the warmest time of the day, and in those moneths of the Spring, which are warmelt, as Aprill or Map, you hall let it hand the Sunne friely all the day and at night, with Mats, Penthouse, oz other defence fhield it from Marpe windes, frofts, or colde delves.

I have feene divers Poblemen and Bentlemen, which hane beene very curious in these dainty flowers, which ner ofplanthave made large frames of wood with boards of twenty

inches depe, fanding bpon little round whites of wod, which being made square or round according to the Mas fers fancie, they have filled with chopse earth, such as is most proper to the flower they would have grow, and

then in them fowe their fædes, or fire their Plants in fuch fort, as hath beene before described, and so placing them in such open places of the Garden, where they may have the Arength and violence of the Sunnes heate all the day,

and the comfort of such moderate showers, as fall with out biolence or extraordinarie beating, and at night draw them by mans frength into some low baulted gallery tops

ning bpon the Garden, where they may Cand warme and lafe from frozmes, windes, frofts, dewes, blaffings, and other mischiefes which cuer happen in the Sunnes

absence, and in this manner you may not onely have all manner of dainty outlandish flowers, but also all forts of

A new maning flowers and fruits,

the most delicatest fruits that may be, as the Orenge, Limond, Pomgranate, Poncythron, Cynamon-tree, Oliue, Almond, or any other, from what clime to ever it be deriued, observing onely but to make your frames of woo, which containes your earth, but deper and larger, accoze ding to the fruit you plant in it, and that your Alleys through which you draw your Tres when you house them be smothand levell, least being rough and bneven. you togge and hake the rotes with the waight of the Tres, which is dangerous. And leaft any man may imas gine this but an imaginary supposition, I can assure him that within feauen miles of London, the experiment is to be fone, where allsthele fruits and flowers with a world of others grow in two Gardens most abundantly. Pow for fuch flowers or fruits as thall be brought from a coider of more barraine ground then our ofone, there needeth not much curiofity in the plantation of them, because a better ener bringeth forth a better encreafe, onely 3 would with you to observe, to give all such fruits or flowers the bttermost liberty of the weather, a rather to adde colenes by thaddow, then encrease any warmth by reflection, as also to augment showers by artificiall watrings, rather then to let the rote day for want of continuall morature; many other notes and observations there are, subich to viscouer, would afke a bolume larger then I intend, and pet not be more in true substance, then this which is als ready wait, if the Reader have but so much mother-wit, as by comparing things together, to draw the vies from the true reasons, and to shunne contrary by contraries, which what Unsvandman is so simple, but he can casily performe, and having the true grounds of experience, frame his descant according to his owne fancie, which is a Pufiche best pleasing to all men , lince it is not in any one mans power to give a generall contentment. And thus much for alowers, and their generall and particular ordering.

CHAP. VII.

How to preserve all manner of seedes, hearbs, flowers, and fruits, from all manner of noylome and peltilent things which denoure and hutt them.



T is not enough to bequeath and give your feedes buto the ground, and then immediatly to expect (without any further industrie) the fruit of your labours, no gwoneffe feldome

commeth with such ease: you must therefore know that when you lay your feeds in the ground, they are like fo many god men amongst a world of wicked ones, and as it were inuironed and begirt with maine Armies of enes mies, from which if your care and diligence boe not defend them the most, if not all, will doubtlesse perish, and of these enemies the work and most violentest is Thunder Of Thunder and Lightning, which in a moment killeth all forts of flo, and Lightwers, plants, and tres, even in the height and pride of ning. their flourishing, which to prevent, it hath beene the pras tife of all the auncient Gardners, to plant against the walles of their Bardens , or in the middelt of their quara ters, where their choplett flowers grow, the Lawrell og Bay Tre, which is ever helde a defence against those firikings.

Dert onto Thunder and Lightning are Caterpillers, Of Caterwhich are a kinde of filthy little wormes, which lye in Cobs pillers. webs about the leanes, denouring them, and poploning the fan, in such fort, that the Plant dieth spedily after: the way to kill thefe, is to take frong Wine and Athes mirt together, and with it to dalh and spainkle all the Plants cleans ouer, and it will both preuent their breding, or be, ing bred will kill them: the smoake of Brimstone will Doe the like, yet if they be erceding much abundant, the furest way to bestroy them, is to take olde, rotten,

moulop

mouldy Hap, and letting it on fire, with the blaze thereof burne the Cobewebs, and then with the limoake fmother and kill the wormes, and they will hardly ener breede in

that place againe.

Of Toades and Frogges. Pertheleare Toades and Frogges, which are very portinous and great bestropers of young Plants, chiesty in their siest appearing about the ground, and the auncient Cardners have bled to destroy them by burning the sat of a Stagge in some part of the Garden bids, from which earth all creatures that have porson in them, will size with all violence: other Gardners will watch where the Lite pearcheth on nights, and gathering by her dung, scatter it byon the beds either simply, or mixt with the spanings of an olde Parts horne, and no benemous thing will come nære it.

Of the field Myce. Pert these are field Myce, which will rote seedes out of the earth, and devoure them aboundantly, which to kill you shall take Hendane seede, and beate it to pouder, and then miring it with sweet Dyle, fresh Butter, or Grease, make thereof a bayte; and when you finde where they scratch or rote, lay some part of the bayte in that place, and they will greedily eate it, and it will kill them: there be other Gardners which will take a Wessell, and burning it to ashes, scatter the ashes on the beas, and then no field Mouse will come never them.

Of Flyes:

Pert these are Flyes, as stell. Flyes, Scarabs, Hornets, Dores, and such like, which are great destroyers of Sieds and Plants, when they appears in their first lease, and are soft and tender, which to destroy, you shall either take Orpment mirt with milke, or the powder of Allome, or the ashes of any of these Flyes burnt, and with it sprinkle your beds and young plants all over, and it will keepe Flyes that they will not dare to come never them.

Of the greene Fly. If the græne Fly, which of all other Flyes is most græs
die to hurt Sædes and Plants, doe offend your Garden,
you hall take Hendane leanes, Houseleeke, and Mints,
and beat them in a Poster, then Kraine fosth the inyce,

and

and then adde thereto as much Hinegar as was of all the rea, and there with sprinkle your beds all over, and the græne Fly will neuer come nære them. Some hole orts nion, that if you plant the hearbe Rocker in your Barten, that it is a lafe prefernative against these grane Flyes, for it is most certaine that the very finall thereof will bill thefe, and most forts of all other Flyes whatforner, as bath beene found by approuch experience, and the fpits of oide auntient Abby Barbens, with a man Mail feidome tinde without this hearbe planted in them.

Dert thefe are Gnats, which although it be the smallett Of Gnats. of all flyes, pet it is the greatest, quickest, and tharpest Denouver of tenter Blants of all other, for it biteth det er and more benemously tharpe, then those which are of much bigger lubstance: the best way to destrop them is morning and eucning, to impake and perfume your beds either with wet Rolemary, og with mouldy Bay : some ble to burne Calamint, and fome Dre dung, and fure all are bery god, for the imoakes are bery tharpe, and fraile

as some as it is received.

Pert these are Pilmyers, which also are very noylome Of Pilmyers. buto Bardens, for they will digge bp, and carrie away the smaller sedes to their hills, and in thoat space spople and deface a bed of his encrease, and the best way to destrop them, is, if you finde their hill, to poure hot scalding mas ter boon them: or if byon your Garden beds you Erolve Affes or Apme, but especially that which is made of chalk, they will by no meanes come nere them, as you hall finde . by experience.

Pert thefeare Moales, which digging and budermis Of Moales. ning the earth, turneth by Dades and Plants in a confused fashion, to the otter destruction and ruine of the Busband-mans labour, the cure whereof is to take them in fuch fort, as wall be thewed in this Boke, where I freake of Pasture grounds; but if you finde that their encrease and continuance multiply with your labour, it thall be then good for you to plant in divers places of your Garden the .

the hearbe called Palma christi, in other places Garlicke, and in other places Onyons, and it is an affired rule that no Moale will come niere where they grow for the Arength and violence of their fmell, is porfonous and

deadly to those blinde bermines.

Of Snailes.

Pert thefe are Snailes of both kindes, blacke and white, which are as much offentine to Barbens, as any other. crawling thing, for they fied of the tender leanes of plants, and of the outmost rindes of the daintiest hearbs or flor wers, the way to destroy them, is to spaintle boon the beds and other places of their aboad god Coze of chimney lote, which by nomeanes they can enduce, because it is moztall and poplonous.

Of Moathes.

Pert these are Moathes of Moaghts, which are very pernitious in a Garden, for they deftroy both Sieds and Dlants, and there is no better of more certaine way to kill them, then by taking olde horse horses, and burning them, with the smoake thereof to persume all the places where they abide, and it will in an instant kill them; with this smoake onely you may keepe Arras hanging , Tapiftrie, Paolesworke, Cuspions, or Carpets, or any wollen cloath or garment whatfoeuer fafe from Moathes as long as you please, neither neede you to ble it aboue once oz twice a pereat the most, as thall be moze at large in anos ther place declared.

Of Cankers.

Pert these are Cankers, which are a kinde of filthie wormes, which denoure both the great and small leaves of all forts of sweet Plants, especially Lettuce, Cabbadge, Colaflours, and fuch like; and the way to delivey them, is to scatter amongst your Plants, Golesdung, oz to sprinkle the inpee thereof with a wispe of Ruc, oz hearbe of Grace ouer all the beds, and though some with a rustie knife ble to scrape them from the leaves, and so kill them on a Tyles thread, yet for my part I hold this the nærer way, and both more certame and more easie, as experience will approue.

Lastly, are your Garden Wormes which living in the holioine

hollowes of the earth fiede much bpon your tender Bars Of Garden den feedes, and the foft fprouts which first istue from them, Wormes. especially from all sozts of kirnels, in which they delight moze then in any other feede what foener, as you may finde by experience, if you please to observe accidents as they happen, without which observation you shall hardly attaine to the perfection of an excellent Bardner : for if pou An excellent please to make this triall, take the kirnels of a faire sound experiment. Pippin, and denide them into two parts, then lowe the one halfe in a Barden bed well dreft and trimmed for the purpole, where the worms hath liberty to come and goe at his pleasure, sowethe other halfe in some riven boule, earthen pot, or halfe Tub, made for the purpose with the fame earth or mould that the bed is, and then let the velfell fo as no worme may come theresbute, and you hail finde that all those Seedes will sprout and come forth, when hardly any one of those in the bed of earth will or can prosper, there being no other reason but the extreame greedinesse of the denouring worme, which to prevent, you hall take Ore dung, and burne it to alles, then mire them with the earth where with you couer your Seedes. and it will both kill the wormes, and make the Seedes sprout both somer and safer. And thus much for the prefernation of Seds and Plants, from all nopfome and pcs Wilent creatures, which being practifed with care and bilis gence, will gine buto every honest minde the fatisfaction he defireth.

Pow to conclude this small trad of Treatife of the The conclusi-Bulbandmans Kitchen Garden, I wou'd have every has on of the Kitnell Reader buderstand, that I have not taken bpon me to modell out any curious thape or proportion, but onely fis gured out a perfect nourcerie, the wing you how to bied and being bp all things fit for health or recreation which being once brought to mature and ripe age, you may dispose into those proper places which may become their worthineste, in which worke I would have your owne fancy your owne Directour,

chen Garden.

directour, for I may give preheminence to that you least like, and disesteme that most which to you may seeme most worthy, therefore let your owne judgement order your Garden, like your house, and your heards like your furniture, placing the best in the best places, a such as are most conspicuous, and the rest according to their dignities in more inseriour romes, remembring that your galleries, great chambers, and lodgings of state doe deserve Arras, your Hall Wainscote, and your meanest offices some

Boscadge, or cleanly painting: from this alligorie
if you can draw any wit, you may finde with,
out my further instruction how to frame
Bardens of all sorts to your
owne contentment.

THE



THE SECOND PART OF THE SECOND BOOKE

of the English Husbandman: Contayning the ordering of all forts of VVoods, and the breeding of Cattell.

CHAP. I.

Of the beginning of Woods, first sowing, and necessaric vle.



T is a Parime held in Plantations, that no land is habitable, which hath not Moo & Water, they two being as it were the only nerues & Arength of a mans fafe and inholesome living, and I have heard many wife Gen, tlemen, exercised, and ingaged, in the

most noble and ener laudable workes of our new Planta- Wood better tions, both of Virginia and the Summer-Ilands affirme, then Gold. that they had rather, for a generall profit, have a fertile wholesome land, with much wood, then (wanting wood) with a Mine of gold : so infinite great is the ble of Time ber (whose particulars I neede not rehearse) and so insufferable is the want, when we are any way pinched with the fame. Am henceit springeth that our olde auncestors (whose vertues would God we would in some small meas

fure imitate) when they found any hard and barraine earth, such as was buapt for graffe, or at least such as bare but graffe that would kiepe life, not comfort life, they prefently plowed it by, and fowed thereon Acornes, Allhepes, Maple knots, Wiech apples, Hawes, Slowes, Quts. Bullis, and all other feets of trees in imumerable quantity, as may appeare by the Forrelts of Del la mere, Sherwood, Kings wood, and many other within this kings dome of huge great spacionsnes and compasse, from whom when the wood is spoiled, the sople ferueth to little or no purpole, ercept it be the keeping aline of a few youze there, lubich polo but little profit more then their carbaffe. Thus even from the first age of the world hath our fores fathers beine ever mot carefull to preferue and encreafe lood, and for mine owne part I have ever observed in all those places subere I have seene Mods decayed and de-Aroped, that the charge of Aubbing and other necellaries allowed; those lands have never againe peelded the fozmer profit, for the greateff erhaustment that ener I falo of wood ground was to bring it to tenne Millings an Acre when it was connerted to pasture, and being kept to woo, it was worth enery feauententh peere one and twenty pound. A timple Auditor may call the account of this profit, but such is our grædinesse, that for our instant ble we little respect the good of ours, or our neighbours: But it is no part of my Bokes method to call offences to que ttion, but onely to right the Univandman in his fourney to ordinarie profit. Unow then that there is nothing more profitable to the Dusbandman, then the encreasing and nourithing of wood; from whence (as our common lawes. termes it) fpzings thefe thee botes or necessary commos vities, to wit House, wote, Plowe, bote, and Fire, bote, without the first we have neither health, couert, ease, nozfafety from favage beaffs: without the fecond we cannot have the fruits of the earth, noz fustenance foz our bodies, nor without the last can we defend off the tharp Winters, or maintaine life against the numbing colds which would. confound

The excellent vies of Wood.

confound vs. The consideration of these thirds only, might enduce vo to the preservation of this most excellent commodity: but the other infinite accessities a view subject we make of wod, as thipping, by which we make our selves Lords of the Deas: sencing which is the bond of concord as mongst neighbours: solution a trial of Pines, from whence springs both surglory in peace, and our strength in warre, with a warlo of others sutable but o them, should be most times suresistable to make vs with all viligence hast to the most praise, worthy labour of planting wod, in energy place and corner, where it may any way conveniently be received.

If then the Hulbandman thall line in a high barraine Countrey (for low-balleyes, marthes, or fuch grounds as are subject to inundations, seldome nourish wood well) or in a logie though not ofterly barraine, yet of fo hard and sower encrease, that the hearbage both in the profit but in finall quantity, I would with him after a generall triall of his earth, to devideit into thee equall parts, the first and the fruitfulleit I would have him preterue for pasture for his Cattell of all kindes: the second and next in fertility for come, being no more then those cattell map till, and the last a most barraine to imploy for wood which though he stay long for the profit, yet will pay the interest bouble. And this ground thus chosen for wood, I would have him plowe by from the fwarth about the latter end of Fee bruarie, and if it be light earth, as either fand, granell, or a mirt hazel earth, then immediatly to folv it with Acornes, Athkepes, Clime & Baple knots, Bech-apples, Chefnuts, Terniffes, Crabs, Peares, Puts of all kindes, Hawes, Dips, Bullice, Slowes, and all manner of other woo feeds inhatfoeuer, and as fone as they are foline with firong Dre harrowes of iron, to harrow and breake the earth, in fuch fort, that they may be close and fafely conered. And in the plowing of this earth, you must diligently observe to turne by your furrowes as diepe as is possible, that the fiede taking Arong and diepe rote, may the better and

The plantation of Wood. and with moze fafety encrease, and defend it selfe against frozmes and tempetts, whereas if the rote be but weakely fired, the smallest blasts will shake the Træs, and make them croked, waythen, and for small vie but fire onely.

The fencing of young woods.

After you have harrowed your earth, and laine your feede fafe, you hall fence your ground about with a frong and large fence, as hedge, ditch, pale, og fuch like, which may hope out all manner of fouresfoted booffs, for coms ming within the same, for the space of tenne pieres after : for you shall buderstand, that if any cattell shall come where young wood is popping about the earth, or whilst it is young, tender, and fost, they will naturally crop and brouse boon the same, and then be sure that the woo which is to bitten, will never profper or fpring by to any beight, but turne to buthie thrubs and ill-fauoured tufts, pettring the ground without any hope of profit, whereas if it be des fended and kept fafe the space of tenne pæres at the leaft, it will after defend it felfe, and profper in despight of any injurie : and then after that date you may lafely turne your cattell into the same, and tet them graze at pleasure, and furely you thall finde it a great reliefe for your young beaft, as your yearling Paiffers, Bullocks, Colts, File lies, and such like: for I would not will you to let any elder cattell come within the same, because the graffe. though it be long, yet it is fower and fcowzing, and by that meanes will make your cattell for labour weake and bus healthie, whether it be Dreoz Pople, and for milch-laine, it will instantly day by their milhe, but for ible heilding bealts, tuhole profit is comming after, it will ferue fulficiently.

When cattell may graze in Springs.

The vse of the clay ground for Wood.

Now if the earth whereon you sowe your wood, be a stiffe clay ground, and onely barraine through the ertreatmitie of colde, wet, or such like, as is swine in daily experience: you shall then plowe by the ground at the end of Jamuarie in dispe surroises, as is before rehearsed; and then let it rest till it have received two or thrise god Frosts, then after those Frosts some wet, as either snow or raine,

and then the nert faire feafon after folve it, as afoze-faid, and harrow it, and you hall fee the mould breake and coner most kindely, which without this batte, and order, it would not doe, then fence it as afoze-faid, and preferne it from cattell for tenne væres after.

And here is to be noted that one Dake growing bpon A special note. a clay ground, is worth any five which growes byon the fand, for it is more hard, more tough, and of much longer indurance, not fo apt to teare, rpue, oz confume, either with Lyme, Kubbith, or any cafuall moplture, whence it comes that euer pour Ship-wzights oz Will-wzights defire the clay Dake for their ble, and the Joyner the fand Dake for smothnesse and waynscote. And thus much for the some ing of Was, and his generall vies.

CHAP. II.

The devision of vnder-Woods, their sale, and profit.

Hofoener be a Lozd oz Paffer of much bider: woo, which is indede young fpzing-woo of all kindes, growing thicke and close together, either from the leede, as is declared in the former Chapter, or from the rotes of former falles, the first being a profit begotten by him felfe, the other a right left by purchase or inheritance, and delire, as it is the butie of every vertuous husband, to make his best and most lain, fullest profit thereof, having not left buto him any press dent of former commedity. In this cafe you hall furuay The denision the whole circuit of your woo, with enery corner and of Woods; .. angle there buto belonging, and then as your abilitie and the quantity of your ground Mallafford, you Mallacuide pour whole wood either into thelue, seauentane, og one and twenty parts of equal Acres, Rodes, or Rods, and enery years you thall fell or take to your owne ble one of thole

The valeve of

those parts, so that one following yearely after another, our fales may continue time out of minde, and you thall imploy as you please so much wood every yeare of either twelne, feanentiene, or one and twenty yeares growth. And in this you had note that the fale of one and twenty, both farre erciede that of featientiene, and that of featiens tiene as farre that of twelve : but in this it is quantity, and your necedity that must direct you, and not my demonstra, tion : for there be feive Bulbands but know that an Acre of one and twenty peres growth, may be worth twenty, nay thirty pounds, that of feauenteene worth eight or ten pounds, and that of the lue, fine and fire pounds, according to the gwonelle of the wwo, infomuch that the longer a man is able to fay, the greater furs is his profit : but fee well and fence muft of necessity be had, and if a man haue but twelue acres of woo, I fee not but he must be forced to take energ peere one acre for his owne reliefe, and if he take moze, be muft either necestartly spopleall, og drive himselfe into extreame want in fewe yeares follow, ing : and therefore it is meete that curry god hufband Mape his garment according to his cloath, and onely take plenty where plenty is; yet with this hulbandly caution that ever the elder your fale is, the richer it is, as you may perceive by the well hulbanded Towds of many 15t-Chopsickes in this land, which are not cut but at thirtie yeares growth.

Of the fale of vnder-woods. Tahen you have made your devisions according to your quantity, you hall begin your sale at an out-side twhere cariages may enter without impeachment to the springs you intend not to cut, and a pole or halfe pole according to the quantity of ground, you shall preserve (being next of all to the outmost sence) to repaire the ring sences of your and, and to separate the new sale from the standing and: and this amongst Amobiards is called Plash-pole. Then at the latterend of Januarie you may begin to cut downe your winders wod, and sell it either by acres, rodes, perches, poles, roddes, or dozens, according

ding to the quantitie of your earth, or the abilitie of your buyers. And in this fale I cannot fet you dolone any certaine price, because true judgement, and the godnesse of your wood must onely give you direction, things being ever valewed according to their worth and substance, and this fale or the cutting downe of under-wood, you map continue from the latter end of Januarie, till midde A. paill, at which time the leafe begins to bud forth, or fomes what longer if necessitie bage you : the like you may also doe from the beginning of September, at which time the leafe beginnes to thed till the middelt of Ass nember.

Dow for the manner of cutting downe pour buders How to cut woods, although the lawes of the Kingdome thew you vnder woods. what outie you thall performe therein, what Timber you thall preferue, and how nere each Weleauer Mall fand one to another, pet I would will you both for pour owne and the Common-wealths fake, to performe somewhat more then that to which you are by law compelled, theres fore you hall give direction to your woo fallers, that when they Mall mete with any faire and Braight well growne fapling, Dake, Elme, Ath, og fuch like, to preferue them, and let them Cand Cill, being of fuch fit distance one from another, that they may not hinder or trouble each other in their growing, and when you Mall finde byon a clufter many faire Plants or Saplings; you hall biew which is the fairest of them all, and it preserve onely, and therest cut alway, that it may prosper the better : also if you finde any faire and well growne fruit Dres, as Peares, Chefnuts, Seruiffes, and fuch like, you thall let them fand and cleare them from the droppings of the taller tros, and you Hall finde the profit make you recompence. Prow for the generall cutting bp of the wood, you hall cut it about fire inches about the ground; and drawing your freshes by ward, cut the woo flope wife, for that is best to hasten on the new Spring; and those Weauers or young which you preferne and suffer to grotve Will, you thall prune.

and trimme as you passe by them, cutting away all suspersions branches, twigges, and young spyers, which thall grow either neite buts the rote, or byon any part of the boale, which is fit to be preserved for Timber, and if you shall finde that the earth hane by any casualty forsakenthe rot, and lest it bare, which is hurtfull to the growth of the Tree, you shall lay fresh earth buts it, and ram the same hard and fast about it.

The fencing of falles.

The Woods

Thus when pon have made an end of cutting bowne pour fale, and that the wood is cleanfed and carried away, and all the lose and scattered flickes raked by into feuce rall heapes, and carried away allo; for it is the part of eues rie god hul band and Woodward, not to le any wood iye and rot byon the ground : you hall then with the biderisod preferued in the Plath pole, deuide by a ftrong bedge this new cut delone fale from the other elder growne wod, and for tenne yeres, as before is fpoken, not fuffer any foure-foted beaft to come within the fame; from which rule you thall learne this letton, that it is the Ward wards duty enery day to loke over all his young Springs, and if by any mischance or negligence cattell shall happen to breake into them (as many times they doe) then Chall he not onely brine forth or impound fuch Cattell, but also furuar how farre and which Plants they have cropt, and having spied them, with his wood Bill, presently cut the Plants to brouzed close by the bottomes of the last thuts, and then they will newly put forth againe, as well as if they had neuer beine hindzed : which done, he chall finde out where the cattell brake in, and then mend the fame, fo well and sufficiently, that it may preuent the like mischiefe. Also if these young springs thall fand niere buto Forretts or elder Woos, which are full of wilde Deare, and be no purlewes belonging buto the fame, the Woodward then hall never walke without a little dogge following him, with which he shall chase such Deare out of his young fprings, because it is to be buder fod, that the brouging of Deare is as hurtfull to young woo, as that of

any other cattell whatsoever. And thus much fouthing the ordering and government of buder-wods, with their fales, and the nourithing by of greater Timber.

CHAP. III.

Of High-Woods, and their Plantation.

Igh Mos are those which contains onely Træs for Timber, and are not pettred or imbraced with the buder growth of small bauch woo, such as Wazels, Wihite thorne, Sallowes and Poplar are; thefe for the most part consist of Dakes, Alh, Elme, Bech, Paple, and fuch like, grows ing so remote and seperate one from another, that although their tops and branches mete, and as it were infolde one within another, yet at the rotes a man may walke or ride about them without trouble. These high Was had their first beginnings from the fæde, as was ning of light before declared, and nourisht from age to age amongst the Woods. under-woos, which, when men began to want fode for their bzwoc- Cattell, and that from the super abundance of poung Woos, they found some might conveniently be spared, they forth-with in stead of cutting downe their poung wood about the earth, began to digge it by by the rotes, and with Aubbe Ares to teare the meane finewes from the ground, so that it might not renew or encrease againe, and then levelling the earth, and laying it fmoth and plaine, to leave nothing franting but the tall Tim, ber trees, betivene which the graffe had mozelibertie to growe, and Cattell more abundance to fiede on, and all be not fo long and well able to fill the mouth, as that which growes in the thicke fprings, yet much more sweet and better able to nourish any thing that shall graze byon the same, by reason that the Sunne and Frous having more fre power to enter into the ground, the earth is so much

What high Woods are.

the better featured, and bringeth forthher encrease with

moze swætnelle.

The Plantarion of high Woods,

Some are of opinion, that thefe high Woods may as well be planted as fowne, and that many of them from the first beginning have beene lo, to which opinion 3 confeat in part : for boubtleffe 3 am persivaded, that many Imall Groves of Ath, Elme, Bech and Poplar hane beine planted, for the fee in our daily experience, and the new malhes in More fields by London, are a perfect testimos nie, that such Plantations may be without trouble or danger : but for the Dake to be taken by and replanted. is very hard, and very feldome in ble, neither thall a man in an whole Age lie any Dake removed come to perfection or gooneffe, but growe croked, knottie, and at the beff. but for the vie of fewell onely: but for the other before rea hearled, you may remove them when they are a dozen peares of age, and plant them where you pleafe: and if the earth have in it any godnelle at all, they will take rot and grow both spedily, and plentifully. And fince I am thus farre entred into the plantation of Mods, I will thew you how you hall plant and remove every Trein his due manner and fealon.

Of Planting the Elme. And first for the planting of the Elme, swhich is an excellent Træ for shadow, and the adorning of walkes or dwelling houses, you shall make choise of those Plants, which are Araightest, soundest, the barke even and wastwound, and at least eighteene or twenty inches in compasse: these you shall digge out of the ground, rote and all, then at the top of the head, about thræ singers whoer the knot, where the maine arms severally issue forth, you shall a little sope-wise cut the head cleane off them, and miring clay and a little horse, dung, or sine ashes together, cover the head round about there with, then over the same wrap Posse, or sine Pay, and binde it about with soft cloven Driers, or some such like bands, then with a charpe pruning Bill cut every severall branch of the rote within a singer or two of the stocke: which done, and the rote

violit

pickt cleane, you shall make a hole to be digged in the place, where you meane to plant the Elme inst of that depth, the hole was from whence you digged out the Elme, that so much and no moze of the Elme may be hidden in the earth, then was formerly at his removing; and this hole you hall make spacious and easte, and that the mould be loft and lofe both binderneath and round about the rate of the Elme, which done, you Mall place your Elmein the same, Craight and byzight, without either swaruing one way oz other, which for your better certains tie, you may proue either with plumbe, levell, or other instrument, which being perfected, you thall with rich fresh mould well mirt with olde meanure, couer and ram the same fast in the earth, in such fost, that no reasonable Arength may move or thake it: and all this worke must be done in the encrease of the Mone, either in the moneth of Daober , og at the latter end of January : but the latter end of Januarie is ener helde the best and lafest, foz there is no question but you thail for flourishing Tres the next Summer after: and in this fort you may likewise remone either Bech, Wlitcher, oz Popler, bestowe ing them either in Broues, Walkes, Bedgerowes, oz other places of hadow, as hall fieme beff to pour contentment: for their natures being alike, their growthes and flourishings have little difference.

Pow for the replanting or removing the Ath, though Of Planting not much, yet there is some difference, for it is not at the the Ash. first lo specie a putter forth, and flourisher, as the others be : but for the first yeare laboureth more to bestow and fire his rote in the earth, then to fpread forth his byper branches, and although some Woodvards are of opinion, that so much as the Ath is abone the ground, so much he will be bnoer befoze he begin to flourish outwardly, pet ere perience doth find it erronious, for though it be for the first piere a little flower then other Tras, yet when it bes ginneth to flourith, it will over take the speciest grower. Therefore when you do intend to plant Athes for a spicoy

profit.

profit, you hall not according to the olde cuffome chuse the smoth, small, long Plants, which are hardly this inches in compatte, and have put out hardly any branches, and are fuch as grow from the rotes of elder Ales cut Downe before, which our anncient Tambwards have bled to flip or cleane from those rotes, no, these are the worth forts of Plants: but you hall take the true ground-Alb. which springeth from his owne proper rate, being smoth, cuen, found, and fraight without bruife, canker, or o. ther impediment. This you hall eigge by by the rot, beting as is before faid almost twenty inches in compasse, and hauting cleanfed the rote, you hall leave each fyzay not as boue halfe a fote, or eight inches in length : but for the small thicos or taffels of the rote, those pon hall cut cleane away close by the wood, and so plant it in energ point, as was thewed you for the planting of the Gline, oneig the top thereof you thall by no meanes cut off, because it is a tree of pith, which to denice ealay bare, were very dangerous; and the best feafon for the planting of this Trie, is ever in the encrease of the Done, at the fall of the leafe, which is from the beginning of Datober till midde Pouember, and at no other time, for it would cuer have a whole Winter to fasten his rote, and to gather Arength, that it may but forth his leafe the Summer fold lowing. Thus you sie how you may plant Groves oz Coples at your pleasure, and make buto your felfe high Mos according to your owne pleasure. But you will obiect butome, that you live in such a champaine Countrep, that albe these Plantations might brede buts you infinite pleasure, get the ponerty thereof in wood is such, that these Plants are not there to be found for any money. To which I thus answere, That in this kingdome there is not any Country lo barraine, og farre off remote from wood, being a soyle fit to receive woo : But his nert neighbour . Country is able to furnish him, especially with thefe Plants at an easte reckoning: as for example, I hold Northampton thire one of the barrennett for Wlood, pet beat

Obiection.

Anlwere.

best able to beare wood, and hath not he his neighbour Huntington Wire and Leicester Shire about him, where nurceries of thefe Plants are beed and preferued for the fale onely ? Day, enen in Holland, in Lincolne thire, which is the lowest of all Countries, and most bulikely to holde fuch a commodity, I have feine as godly Timber as in any forrest or Chale of this Lingdome : and thus much for the planting of high TUODs.

CHAP. IIII.

Of the preservation, and sale of high Woods,



T is not fufficient for the Hulbandman to lowe, plant, and encrease wood about his grounts, converting his earth to the bte termost and extreamest profit that map fuzing from the fame: but he must also be diligent to preferue and nourish his time

ber tres from all inconveniences that may any way annop or afflict them: and to this end her thall baily walke into his Taobs, and with a fearthing eye furuay cuery Tre which is of any account, and le if he can finde any fault or annoyance about the fame', and if casting his eye by to the top, where the mainearmes hote forth themselues, which take he perceive that by the breaking offoliome arms or other wer inwardly. riven boughes, the wet and droppings of the leaves is funke and fretted into the Timber, which in time will co2rupt the heart, and make the Tre hollow. In this cafe he thall presently mount the Tree, and with his Bill, et ther cut the place to smooth that the wet may not rest thereon, oz elfe having fmothed it so much as he may with convenience, mire Wiffe clay and fine hay together, and with the same couer the place, in such manner, that it map put off the wet till it have recovered new barke.

If hie Mall perceine any of his younger Tres to be Barke --

Of Barkebound. Barke bound, that is, so stiffe and straitly tied within their owne ryndes, that they cannot encrease or prosper: in this case he shall with a sharpe drawing knife, made in the proposition of a narrow C draw and open the barke even from the top of the bole of the Træ downe to the rote, and then clap Dre-dung into those slits, let the Træ rest, and in short space you shall seit mightily encrease.

Of Hornets and Dores. If he hall perceive that Horners, Dores, or such like, have found some little hollownesse in one of his Træs, and sæketh there to shelter and hide themselves, which in little space they will some make larger, he shall forth-with befineare all the place with Tarre and Gose-dung, and it will drive them thence.

Of the Canker. If he shall finde that by the droppings of other Trees, some of his Trees shall grow cankerous, and lose their barke, which is an accident very vsuall, and the Trees whose barkes are so lost, will with great difficulty after prosper. In this case he shall annoynt the place with Tarre and Dyle mirt together, and then cover the place with clay, where the barke is wanting.

Of Pilmyers.

If he chail perceive any Pismyer hilles or beds to be made against any of his Træs, which is very noysome, for they are great destroyers of the barks of Træs: he shall then with hot scalding water kill them, and throw the hill downe levell and plaine with the earth.

Of Iuy, Woodbine, and Miffeltoe. If he thall finde any Iny, Woodbine, or Mysteltoe to grow in or about any of his principall Trees, which doe strangle, sufficate, and keepe them from encreasing, he thall forth-with digge by the roots thereof, and then cut it away or losen it from about the barks of the Trees.

Of Thunder and Lightning. Lattly, if he shall perceive that by Thunder, Lightning, or other plantarie stroakes, any of the armes of his well growne Trees be blatted or staine, he shall forth with cut them away, even close to the quicke Wood, and make the place smooth and even where they were sopned: thus shall the carefull Husbandman with a vigilant eye, regard every enormous and hurtfull thing that may of

fena

fend his Timber, and by that meanes possesse moze benefit from a fewe Kodes, then others doe from many Acres.

Pow When either necessity of the begent occasions of Of the fale of any needfull ble, enforceth the Duf bandman to make fale of any part of histall Town, in which Warchandise there is many prety and obscure secrets, such as are hard to be thewed by any Merball demonstration, for truly there is not any trucking or marting whatfeever, in which a man may somer deceine, or be deceined, men buying and felling in a manner hodewinkt : for it is most certaine that no man can certainely tell either what peny worth hie felleth, oz the other buyeth, folong as the Tre is fand. ing, there be in Trees fo many fecret faults, and like wife when they are downe, and come to the breaking or burks ning (as the Taod man tearmesit) fo many bnerveded bertues, as for mine ofone part I have often feene a Tres whose out, side hath promised all good hope, the barks being finoth and enen, the body large and great, and the armes high fet on, and spaciously extended; pet when this Tre hath beene felted, and came to burkning, there hath beene found a hole in the top, which hath runne cleane through the heart, and btterly spoyled the whole Timber: fo likewife on the contrary part I have fienea Tre berg foule at the top, which is suspitious for rottennette, whose armes have growne to close and narrow together, that they have promifed little burthen, pet being cut downe, I have feene that Tree passing found, the armes dous ble the toades in valuation, and the price being leffe then any, the profe and godneffe to ercedeall, fo that I muft conclude it all together impossible to fet doivne any fire ed or certaine rules either for the buyer or feller: but for as much as there are divers worthie observances for both parts, and thatit is as necessary to buy well as fell well, I will runne through enery particular observation, which both belong both to the one and the other partie, with which tohen a mans minde is perfectly acquainted, he

he may with much bolder confidence aduenture to buy oz

fell in the open Warket.

How to chuse Timbers.

ber.

Timber to beare burthen.

Timber for Pales, Wainfcote,&c.

Fimber for Pyles or Waheer-workes.

The first thing therefore that either buper or feller thould be fkilfull in, is the choyle of all forts of Timbers, and to know inbich is fit for every feverall purpose, the croked and bnevely being for fome bles of much higher price and reckoning then that which is plaine, fraight, and Of Mill Tim- euen growne, as thus for erample. If pou mould buy Timber for Will wheeles, the heads of round Turrets, or any kinde of any worke whatfoener, you hail chufe that which is croked and fome-what bent, bring found firme, and buthaken. If you will chuse Timber for Summer Tres, Baulks, Jawnies, oz Tracens, pou Call chufe that which is most hartie, found, and much twound, oz as it were waythen about, which you hall with great eafe perceine by the thoinding or croked going about of the barke, the graine whereof will as it were circle and lap round about the Træ. This Timber which is thus twound or wrythen, will by no meanes ryue or cleave as funder, and therefoze is effemed the best to support and beare burthen, and the heart thereof will endure and laft the longett.

If you will chuse Timber foz Pales, Singles, Copers-ware, Mainscote, oz such like, then you thall ener chuse that which is finoth, even, and Araight growne, without any manner of twynding or thaking, which you thall perceive by the Araight and even growing by of the barke, whose crefts will ascend fraight and bpzight, euen from the rote to the bottome, which is an affured token that all such Timber will thiner and ryue into as thinne parts as a man would defire.

Lattly, if you would chuse Timber to make Pyles of, to drive into the earth, for the framing of Weares within the water, the heads of Ponds, oz any other worke with in the water, then you hall chuse that which is most knottie (so it be sound) for that will orine without splitting, and continue in the earth the longest; and of all Timbers

the Elmeis accounted the best for this purpose, for it will continue almost everlastingly in the earth without rotting; yet not with fanding, the Dake is excellent goo alfo:

and thus much for the generall choise of Dakes.

Pow ff you would chuse Timber foz weather boards, Vie of the or to be bled in water-workes, or to make Planks for low mople Caults, then you hall chuse the biggest, soundest and smothest growne Elme, it is also excellent good to make Litchen tables of, or for boards for the vie of Buts thers. If you will chafe the most principallest Timber, for Cart or Maine Arelstres, for the naues of whieles, or for any other ble of toughnelle, you hall chuse the Eime onelp, for it creedeth all other Timbers, and though some Dulbandmen are of opinion, that the Elme Arel-tree when it is throughly heated, is then most apt to breake, they are much deceived, for it will endure farre beyond Alh or any other Timber, except Delugh, which for the learlity is now of little ble in such a purpose. And herein you must obserue, that the Elme which you chuse for Arel-tres must be straite, smoth, and without knots, but that which pou chuse for naues, must be most knotty, twound, and the hardelt to be broken or hewed alunder.

If you will chuse Timber for Ploughes, ordinary Ar Vie of the el-tres (for those of Elme are speciall) the rings of wheles Ath. harrow buils, and fuch like, then you thall chuse the fais rest, straightest, biggest, and smothest growne Ach that you can finde, and from the rote end byward, you hall cut out a length of Arelitries, above it a length of thele bozdes, and aboue it (if the Trebe folarge) a length for heads and Sheathes, the largest armes which are some, what bending, you wall elect for rings for whieles, and fo according to the bigneffe of the Alh, and as your eye can proportion out what will be made of the same, you shall

make valuation thereof.

If you would chuse Timber for towned Tables, Cup bozds, oz Bedfeds, you thall then make choice of the fais Wall-nut rest Walnut-tree pou can finde, being olde, straight, bn-

Vie of the

knotted

knotted, and of a high boale: and although either Dake, or All will reasonably well force for this purpose, yet the Ulalnut-tree is by many degrees the best of all other, for it is of smoothest graine, and to the eye most beautifull, provided that by no meanes you put it into any worke, before it be erecoingly well seasoned.

Vie of the Peare-tree. If you would chale Timber for Joynt Awles, Chaires, or Cheffs, you thall then chale the oldest Peare tree fo it be found, for it is both fmoth, sweet, and delicate, and though it be a very soft Towd, yet in any of these frames it is an exceeding long laster, and the heart thereof will never breede worme, nor will it in any time lose the corlour.

Vie of the Maple, Beech, and Poplar.

If you would chase Timber so? Arenchers, Dishes, or any Tourners ware, or so, any inclaying worke, you shall then make choise of the fairest and soundest Paple, be, ing smoth and vaknotted, so, it is the plainest graine, and the whitest Asd of all other: and although either the Bech or Poplar will reasonably well serve so, these purposes, yet is neither the colours so god, nor the Timber so long lasting. Pany other Ares there are which may serve so, many other purposes: but these are of most vie so, our English Husbandman, and will sufficiently serve to passe throughall his businesses.

Of Charcoale. Touching Char-coale, you hall bnderstand, that Dake, Elme, and Ash, make your longest and best enduring Coale: the Birtch the finest and brightest Coale, and the Béech or Sallow the swiftest Coale. Pow for your small Coale, the twigges of the Birtch makes that which kindles the somest, and the White thornethat which endures the longest.

How to value Timber. Thus when you know how to chase every scuerall Arie, and the true vie and profit which can any way be made of the same, and by a practiced experience can cast by the survay and view of a standing Mod, the almost entire profit that may arise from the same, deviding in your menday how many are sor enery scuerall purpose, and to

what

what reckoning they may amount one with the other, and blemishing (if you buy) the good with the bad, or making god (if you fell) the bad with these god ones which grow niere them, you may then bololy benfure into any fale either as buyer or feller at your pleasure, and sure if you know (as it is fit you Gould doe) the Wartet-able prices of all forts of Timbers in those places, where you are either to buy or fell, as what a Willipost is worth, what to many inches of well iquared Timber, contaying fo many fote in length, what a dozen of boards of fuch a fize, what so many naues, speakes, rings, sparres, or tras cens, or what so much sound and good Plough-timber is worth, and then loking opon a Tree, and computing what map enery way be made of the same, allowing the wast which will hardly sometimes defray the charge of breaking by the Trie, von cannot but with great ease dealy into pour minde the true value of enery Tree, and the otters most profit or losse may any way rise from the same.

And in this works I would have you to observe this How to mea. rule very carefully, that is, when you come to any great fure Timber Mimberstree, to fathome or embrace it about with both by gelle. pour armes, and then knowing what quantity your fathome is, and helv many fathome girdleth the Tre round about, you may from former experience gine a certaine neffe what inches of fquared Timber that Tre wit beare, for if you have found in former trials that twice your fathome in the rough barke bath borns twenty, or two and twenty inches squared, and now finde that the present Tree on which you lake, is no lette, but rather with the bigger, you may boldly prelume, that being found, this trie can carrie no leffe fquare of god Timber: and thus much

for the knowledge and choise of tall Woos.

Doin to come to the featons & fitteft times for fale of Beft featons for thefe high Woods: you Mall understand that it is miets for the fale. energed hulband which intendeth to fell any of his high Towns, to walke into the fame immediately after Chaile, mas, a tubether they be in woos, Troues, hedge-rolves, 02

other places, to marke with a speciall marke all those A res which he intendeth to fell, as well for the wedding and cleanling out of all fuch as are decaped and wafted, as alfo to know the true number of both the god and bad, and thereby in some measure to compute the profit which will arise from the same, for to make sale of them otherwise confusedly, might being much loste to a man happily, felling away those that would encrease their balewes, and kiepco ing them which daily would decrease their gwonesse, or so bnorderly bamiring his Wood, that where one faire and god Træ would draw a mans eye from beholding diners inhich are doated, now that onely taken away, the rest will remaine, and neuer be fale able, and therefore euer as niere as you can to faite and match your Tres together, that in your fales you may never paste away an absolute wozthie Tree, but you may ener couple some which have des feds to goe with it, as in these dayes we se Warriners and Poulters fell Kabbets, a fat and a leane ever coupled together. Then you have thus marked out what you meane to fell, and disposed your sale according to your best profit, after notice ginen buto the Country in the Paro ket Townes nære adiopning, you shall begin your sale the Candlemallefollowing, which fale you may continue all the Spring, according to the greatnesse thereof, or the quichnesse of buyers. Pow for any rules or orders to be observed in these sales, I can prescribe you none certaine, because it is meete that every one binde himselfe to the cu-Comes of the Country in which he lineth, whose variation ons are divers, for almost cuery one is severall, onely in the maine they holde together, which is that they felcome make publike sales soz money downe bpon the head, but for a certaine payment some fewe moneths after, which makes the Parchandife moze lokt to, and the falcs goe as way the facter: and in this the Salesman must be circumspect in the choise of his Thapamen, and lubere he findeth any doubt there to make one neighbour fand bound for another; as for the earnest penny it is ener oner

The time for Chap-men.

and about the price, and must be laide downeat the binding up of the bargaine, which earnest is in some Countries source pence in the pound, in some eight pence, and in some twelve pence, according to the gwonesse of the Timber, and hath ever beene taken sor a see due to the Dales man sor his paines and attendance, and sure if he be carefully honest, it is a merrit well bestowed: if other wise, it is much to much sor salshood, sor in him consists the owners loss or profit, and therefore it may become any man, of what place so ever, to take a strickt account from such an officer: or if he have any doubt, ever to some with him in commission, another of contrary sadion.

with him in commission, another of contrary faction.
Then you have made sale of your Timber, you shall have meaner let if he cut downe till the end of Aprill, at

by no meanes let it be cut downe till the end of Appill, at which time the fap ascending upward, will losen the bark, and make it come from the body of the Are eafily. Dou thall cut your Timber downe close by the earth, not digge it by by the rotes, buleffe you meane biterly to beffroy it, for from the fournes of the rote will arile new Spiers. which in processe of time, will come to another Tree. As fone as you have felled your Dakes, you thall with your Are immediatly whilst the lap is wet, take all the barke from the body and the armes, and fetting it end-wapes by one by another, to place it, that the winde may passe through it, and day it, and then fell it to the Tanners. which will give you a goo price therefore, according to the worth and scarsity thereof. When your Trees are barkt, you hall then lawe the body into luch lengthes of Timber. as shall be meete for the purpose for which it is bought, or in such fort as it may be best portable : the armes also you Mall hewe from the body, and so burken or breake them bp, as they may be fit to be loaded: all which done, and the Timber carted away, you hall if you intend to have the Wood renew, fence in the fale, and heepe it fafe from Cattell: and thus much for the preservation and sale cf. high Mods.

When to cut downe Tim-

CHAPA

CHAP. V.

Of the breeding of Wood in rich champaine soyles.

Ature which is the most perfect works-missive fresse of all things (as all the Philosophers lay) but I say our god God out of his most distince wisedome, hath allotted to every soyle, if we will note it, through the whole course of

this hingdome, particular profit to sustaine and maintaine it, as to some Dines, to some Timber, and to some fertility of grade and come, and where any one of thefe are, there commonly some of the other is ener wanting, as we see daily in our experience; and for as much as in the fruitfull and fertill foples of this land, of which we esterne the wealthie bales, as that of Essam, White horse, Beluoire, and many others the beft, there is ever great fearfitie of Mod, the very wealthinesse of the soyle it selfe almost denying to beare such burden, because for the mest part the Mimelle of those clayes is contrary to their growth, pet for as much as the necellitie and ble of Wood is fo great and valuable, I would perswade enery god and worthy bus bandman, to endeauour himselfs with all his bimost power and frength, to plant wood in energ connenient place round about him, and not to take the rules of the ignorant for his lesson, that fith never any did grow there, therefore never any will grow there: for it is abfurd and folith: nor to fay because my auncestors have never done it why should A attempt it ? These arguments are made from a falle figure, and the Husbandman mult remember that his outie is industrie, and encrease not altogether imitation and president, and he must as seriously finde out new and nice rer profits, as hold those he hath learned: and therefore he hall endeanour by all commendable labour to have ener about him whatsoever is necessarie for his vie: but you

mill

will peraduenture auniwere me, that to plant Mods in thefe rich foples, were very much loffe, because the fertilitie thereof will yold a much better profit. To this I rco ply, that I would not have you plant any spacious piece of ground with wood, but onely your ditches, hedges, and fuch wast earthes, as almost benie any other profit, and that the want of wor in those places may not discourage you, to imagine that wood will not grow there. Doe but view the cytes of energ Tolone in those rich Countries, the feates of Poblemen & Gentlemens houses, and the Parks which commonly are adjourning there-buto, and you hall hardly six any of them without the fellowship acquaintance of some wood, which in times past hath beene planted either for defence or pleasure, and from thence collect that if wood will grow with my next neighbour; then why not with me, fo long as the fople both not alter ? But Labor vincie omnia improbus, Erne industrie was neuer fruits lette. When for the generall god both of pour felfe & pour neighbours, loke that you replenish all your ditches & ring fences, with good fore of Duick-fet, that is to fap, all that lye high, a out of the danger of water, with Withitesthoane, Black thorne, and Bayer, and those which are low & subfed to walking, with Willowes, Sallowes, and Dzyers.

Pow for as much as it is not enough to fay buto the Dufbandman to this, but that I must also them the mane forts of Quick. ner of doing thereof: I will thew you briefly how to fet fet. all manner of Duick-fets, and first for the white-thorne, black-thorne, bayer or fuch like, which mult frand fræ from fnundation, you that when you enclose any piece of ground, after you have markt out the true breadth of your dyke bpon the in-five thereof, and close by the berdge of the orke, cut with your space a little trough, halfe a fote oz there abouts in breacth & bepth, in which trough or finall gutter, you hall lay the rotes of the first rowe of your Dyick-fets, fo as the top ends may loke byward, galittle bend in towards the ditch, a thefequick-fets you Mail place within leffe then a foot one of another; then with your space beginning

beginning to make your ditch, you thall with the first cleane mould, cover all the rotes close and fatt, fo as they will not thake not Kirre with your hand, then hauing raifed the banke of your Dyke, and courred the lowest rowe of Quick-fet moze then halfe a fote, and broken the earth so, as it may lye close and handsome together : you thall then after the same manner lay another rowe of Quicks fet ouer the first, I meane not one Quick-fet directly ouer another, but the fecond rowe placed as it were in the mid& betweene two of the first, though at least halfe a fote higher: then pou hall couer that rowe like the former, and ouer it place a third, which thall stand directly opposite, and over the first, so that in their growth the middle rowe thall as it were grow betweene two of the lowest, and two of the highest: and then boon this bypermost rowe lay the remainder of your earth, and make your banke perfed, and in this fort finithing one pard of the Ditch after another, you thall at length bying your labour to the end of your defire. Dow in this labour you are to observe some speciallthings, as first to lake well byon your Sets bes fore you put them into the ground, and be fure that they be greene, young, and butainted, then that the rotes be cleane, and no fmall theeds or tagges hanging about them. And lattly, that they stand bpzight, and not about foure or fine inches without the earth at the most, then Mall you loke well to the making of your banke, and lay the earth fo as it may not flip or fall backe into the Dyke, fo as the raine may not walh away the monio, and leave the rotes bare: but let all things be done Arongip and artificially. The best scasons for this worke is the moneths of February, Barch, and Apptil, oz September, Daober, and some part of Pouember: if the weather be day about head. When you have fet your Duick-fet, you that make a bead hedge bpon the top of the new banke, to keepe those Tattell which are within your ground from breaking forth or hurting the Quick-let: and another small sence on the lowe verdge of the Dyke which is outward, to keepe

keepe those cattell which graze without from running into the dyke, and hurting the quick-fet. Pow after a fpring and fall is past, you hall surnay all your quick-fet and weede it cleane from all manner of filthinelle that doth choake or Kille it, and feeatching the fresh mould about it give comfort to the rote: then if you perceive that any of your Sets be dead, you hall plucke them by, and place new in the rome, and if any be blatted in part, and not cleane killed, you hail cut away so much as is blacked, and let the rest remaine, you shall loke well to the Caterpiller and other wormes, which mightily devoure Quicklets, especially in these fat Countries, and if you finde any taint of them, destroy them as is shewed you in a former Chapter.

After pour Duick-let is come to the age of the peres, Planting of and that the banke is fetled and fwarth growne thereon, greater Trees. you hall then within the body of your hedges plant all manner of great Tres, as Alh, Bech, Daple, and such like, and also all manner of fruit Trees, as Aples, Deares, Plums, Wardens, and such like, and in the first three percs be very carefull to preferue each in his true proper nature, and doe to them all the rights which is due to their growth, and in that time observe which kinde of Tres in the generality prospereth best, and agræth most natus rally with the foyle. And of those Tras fix that you flourith your grounds most plentifully, the particular manner of planting whereof is already formerly declared. And hence both Kent and Worcester thire boast of their fruit, Windfor, Sherwood, and Hollam thire their Dakes, and other particular Countries their particular commodities.

Poin for the fetting of Willow, Sallow, and Dziers, Ofthe fetting it is a thing to bluall and common, that it needth no great of Willowes, Art in the relation, pet because I would be loath that any &c. omission should be taken for negligence, you shall bnderfand that in letting them you must first respect the place, which would ener be lowe and morth, the water some times washing them, sometimes coling them, and ener

gluing them comfort. Pow to speake first of the Wills low, it would be ever planted bpon bankes, where it may Rand moze dap then wet, for fuch profper beft, andendure longelt, as for profe fome will continue, twelve, fife tiene, napone and twentie pieres, where as those which are fet close by the water, will hardly endure feauen, but not about nine pieres at the most. Touching their plants . ing, they be let two manner of wages, but which is the beff, is not pet agreed on amongst Bul bandmen. The first is to take an Augure full as large in compatte (though much thozter) as that where with you boare Dumps, and with it boare a hole in the earth two fote, and a halfe biepe, then having headed some of the chaplest Wille lowes you have, take the faireft and fraighteft of those lops, and then cutting them floape-wife at both ends, and leaning no luperfluous twigs cleaning there buto, put the bigger end downe very hard into the earth, and then with the mould which came forth, with the Augure rams the earth close and hard about the Set, lo as no realonas ble ftrength may thake it. Dow there be other Bul band. men which in fred of the Augure take onely an Daken oz Ath Cake, of the bignelle of an bloall fet, and with a Bies. tell drine it into the ground two fote and a halfe, and then by haking and opening the earth, pull it out againe: then put in the Set as is befoze Gelved, and beate and tread the earth close there buto, and there is no doubt of the well prospering thereof. Pow for the veseus which Hul bandmen Ande in thele two leverall plantings. Some say, that the Augurs taketh out so much earth, that the Set cannot but stand lofe at the rote, and so wanting full hold of the earth, either takes not at all, or continues but a little space. Dthers say that the datuing in of the Cake beates the earth so hard together, that it with Candeth the passage of the tender sprouts, & so killeth the set, but both are beceived: for thefe are but suppositions, and experience vaily spelves bs, that these are the best and species waves of letting of all losts of Willowes that ever any time

time brought forth, and I have knowne one man fet this way two hundzeth Sets in a day, of which not one hath failed, but all prospered. Row for your Ballowes, you hall let them, and chule the Sets in all poputs as you doe the Willow, onely they would be placed a little never the water, for they delight some what more in morture, as for the Dzier it would be fet like other Duick-fet in the lide of bankes, fo as it may almost touch the water, and as your Willowes or Sallowes mould be fet a little remote one from another, as namely tenne fotealunder: so these must be set close together, and in thicke rowes one against another: and these Ozier Plants you must cut from their head, being the principall spiers which grow thereon, and then cut off their tops, leaving them not about two fote long at the most, and of all other they are the quickest in growing.

And although Willow, Sallow, and Diger, are in our lames effemed but as inedes and no Woods, pet they Willowes, Salbe so profitable, that the Unibandman can hardly miffe lowes, and them, the Willow and Sallow feruing for fence and feweil, to make Barrowes, Cartifaddles, & hogle Dames, and the Depers, for fift Leapes, or Wieles, for Bafkets, Scuttels, Fans to winnow with, and many other things full as necessary: therefoze if you have any marith grounds that are bleleffe, bogge-mpers, oz Ilands in great rivers, let them be imployed to the nourishing of these profitable wedes, and by making draynes through them to give the water passage, you shall in small time bring them to earthes of great profit, which confideration were it rights ly waved, there would not be halfe fo much walt ground

as is in this Kingdome.

But to my purpole, when you have planted thele Ordering of Willowes, you shall after enery floud, fe if the was the Willow. ter have datuen any of them away, or displace them, and immediately mend them, and fet them by fraight againe. If any Cattell Mall poll or barke them, pou Mall pull by fuch Settes, and place new in their rome.

Dour

Pour Willow let would by no meanes be to long at the first letting, for then it will never beare a good head, and to short is likewise as unprofitable, therefore it is held to be fine some above the earth, is a length sufficient: you may head your Willowes once in three yeares, or fine at the furthest, and when you see the bodies wave hollow, you may cut them downe for the fire, and sire new Sets in their places.

Ordering of Ozier.

The Dzier to come to his true profit and feafon, alketh much pruning and trimming, as namely you muck keepe the Cocke lowe, and never abone halfe a fote aboue the earth, you must picke them cleane from Doffe, and from the films and filth, which the ouer-flow of the was ter will leave boon them: you hall prine the small spis ers, and make them grow fingle one by another, and if any hote out a double Kalke, you hall cut it away, you may head them enery fecond piere at the fall onely, and though some head them once a piere, petit is not so god hulbanday, nog will the Dzier be fo tough og long laffing. The best seasons for the setting of the Willow, Sallow, or Difer is, either any part of the Spring or Fall, and the best time to loppe the Willow or Sallow, is in the Spring for fence, and in the Fall for timber or fewell : but the Dzier would be cut at the fall of the leafe onely. And thus much for the breeding of Wood in the rich champaine Countries.

CHAP. VI.

Of Plashing of Hedges, and Lopping of Timber.



Auing alreadie sufficiently in the former Chaps ter spoken of the planting of all sorts of quicks sets, it is most enow that I shew you how to order the hedges being growns and come to perfection.

perfection. Unow then that if after pour hedge is come to fire or feauen pieces of age, pou thall let it grow on with. out cutting or pruning, that then although it grow thicke at the top, yet it will becay and grow fo thinne at the bots tome, that not onely beaffs but men may runne through it, and in the end it will dre and come to nothing, which toprevent, it Mall be god once in feauen or eight peres to plath and lay all your Quick-fet hedges, in which there is much fine Art and conning to be bled. For this plath, What plathing ing is a halfe cutting or deniding of the quicke growth, al. is. most to the outward backe, and then laying it exderly in a Coape manner, as you fee a cunning hedger lay a bead hedge, and then with the smaller and more plyant brans thes, to imeathe and binde in the tops, making a fence as Arong as a wall, for the rote which is more then halfe cut in funder, putting forth new branches, which runne and entangle themselves amongst the olde stockes, doe fo thicken and fortifie the hedge, that it is against the force of beatts impregnable.

Dow to give you some light how you thall plath a How to plath: hedge, though diners Countries differ dinerly in thefs workes, yet as niere as I can I will thew you that which of the best Bulbandmen is the best estemed. First, foz The time of the time of pere either February or Ditober, is palling yeare. god, and the encrease of the Done would like wife be obferued.

For the twies which you thall imploy, they would The Tooles. be a very tharpe nimble batchet, a god Bill, and a fine pruning knife. Pow for the worke pouthall enter into it, firft with your Bill you thail cut away all the superflus ous boughes and branches which are of no vie, or hinder your worke, and then finding the principall Cenmes which iffue from the maine rote, you shall within a fote or lette of the ground with your Datchet, cut the same moze then three quarters through, so as they may hang together by nothing but the outward barke, and fome part of the outs ward fap, and this Aroke must ever be soape wife and . Downer

型3

powneward : then take those mayne bodies of the Duick. let, fo cut, and lay them floape-wife from you, as you would lay a dead hedge, and all the branches which ertend from those bodies, and would spread outwardly, you thall likewife cut as before faid, and fould them artificially into pour head, and cuer within a pard of two bistance, inhere a pretie Plant growes Graight bp, you Hall onely cut off the top equall with the height of your hedge, and folet it fand as a fake, about which pouthall folde and twind all pour other branches. Pow when you come to the top of the hedge, which would commonly not be about fine fote high, you hall take the longeff, youngeff, and most plyant boughes, and cutting them as afoze faid, gent. ly binde in the tops of all the reft, and fo make your hedge Arong and perfect : and herein is to be noted, that the clos for and thicker you lay your hedge (so there be nothing in it superfluous) the Aronger and better latting it will be. Many ble not to binde in the tops of their platht heages, but onely to lay the Quickofet and no moze: but it is not to hulbandly, neither is the hedge of any indurance : many other curiofities there be in the plathing of hedges, but this which I have alreadie thewed, is lufficient both for the Bulbandmans benefit and binder fanding.

The profit of Plashing.

The profit which ariseth from this labour, is the maintenance and defence of fencing, the preserving and encrease of Duick-set, and a continuance of amitic amongst neighbours, when one lives free from offending another. At yeldeth a god Dast for Swine, and with the over-plus thereof at these times of plathings, repaireth all a mans dead hedges, and brings god store of sewell both to the Brewhouse, kitchin, and Backhouse.

The lopping of Timber.

Pert to the plathing, is the lopping of Timber-Træs, which in those Countries which are bare and naked of wod, is of much vie, and though I cannot much commend it, because it oft marreth the bodies of Træs, yet I must allow it for necessary, because it is a nædfull rate, which the Træs pay to their Planters.

This lopping of heading of Tras, is the cutting off of What Lopthe armes and oppermost branches of Trees, and fuffes ping is. ring the body to grow fill, and it may bery well be done once in eight of tenne pieres, either at the beginning of The leason for the Spring, or at the end of the Fall, as you thall have ors Lopping. salfon to ble the wood, and immediately after the soone hath new changed.

Row for the manner of the worke, there is small cus How you shall riolitie to be bled therein, if your Are be god and tharpe, lop Timber. for you shall but cut off the armes and boughes, smoth and cleane without nickes, rifts, or gutters, or any thing which map receive wet, whereby the Ere may be cankred and spopled. Also in sutting away of the armes, you Mall have a great care rather to cut them alway (if it be possible) bpward then bowneward, least when you cut them downeward, the waight of the arme lodainly falling bowne, rive and teare the barke of the body of the Ere. which is dangerous, and hath biene the spople of much Mimber : which to prevent, you thall ever before pou Arike any blowe aboue, make a god large nicke bnders neath, and then after cut it downe from aboue, and fo the Tre Mall receive no hurt. Also you thall observe to cut the armes close by the body of the Tree, and nener to delift till you have made the place as playne and smoth as may be, for to doe the contrarie, is neyther workmanly, nor the part of any god hulband. And thus much touching the plathing of Hedges, and lopping. of Tres.

CHAP. VII.

Of Patture grounds, their order, profit, and generall vie.

Diuerlities and



Auing alreadie sufficiently entreated of errable Grounds, Bardens, Dzchards, and Mods of all kindes, I thinke it most mixte (as falling in his due place) here to write of Pasture grounds, which are of two kindes: the first, such Pastures as

lye in wood land, mountainous, or colde climes, and are enclined to hardnesse and barrennesse, and therefore onely imployed to the brieding and bringing forth of Cattell: the other such as lye in lowe, warme, and fruitfull soples, and are most fertile and aboundant in encrease, onely implements to the fatting and fruitfull and aboundant in encrease, onely implements.

ploped to the fatting and feeding of Cattell.

Ofbarraine Pastures.

And now to Speake of the first fort of Pasture, which being some-what barraine, is preferned for breeding, pour thall buderstand that it is generally dispierced over all this Bingdome, and particularly into enery Countrey, for according to the beanes and mirture of the earth, fuch is etther the richnelle or ponerty of the same, and of those fee uerall mirtures I have spoken sufficiently befoze in that part of this Boke, which entreateth of errable ground. Then to proceed to my purpole, it is the first office of the Bulbandman when he leth and knoweth the true nature of his earth, and perceiveth from perfect judgement that it is of very hard encrease, which as the temper and mire ture of the sople affures him, so also he thall better confirme by thefe fewe fignes and Charracters, which I will veliner: as first, if he le graffe flow of growth, and that no Spring will appeare before Way. If in Read of Clouer graffe, Dandylion, and Honisuckle, you fe pour ground furnished with Penigraffe, Bents, and Burnet. If pou

Signes of barrainnesse.

læ much knot-graffe og Speare-graffe, og if you perceine the scozching of the Sunne burne away the grade as fact as the raine had brought it forth: or if you finde quarries of Cone nare buto the opper swarth of graffe; oxif your ground bzing forth Lyng, Bracken, Gorfe, Wihynnes, 15:0me, Wilburie, oz Strawburie: ozif pour ground be · mozith, full of quick-myers, mostie oz full of blacke Flint, any of these signes make it to be most apparant that the

lople is barraine and of hard encreale.

And then as before I faid it is the Hulbandmans first Bettering of office to prouide for the bettering and perfeating of his foyles. earth, which he hall one in this fort. First, if he perceine that the barrainnesse of his ground proceedes from want of god Plants, as from want of Clouer-graffe, Dandylion, Sowing of Honisuckle, Cowllop, and other sweet flowers, then he good seedes. hall repaire into the fruitfull Countries, and there buy the hay ledes and sweepings of hay barne flowers, which he thall every Spring and fall of the leafe fowe, as thin as may be, bpon fuch Pastures, as he shall either lay for meddow, or preferue for the latter Spring after Wichaelmas. But if he respect not the godnesse of grasse, but the abundance dance of graffe, as those husbands doe topich live in oz of graffe. about great Cities, then he shall dung those grounds which he will lay for meddow at Candlemaste; or those which he will graze or eate in the first beginning of the Spring, at Dichaelmatte before, with the oldest and rote tennest meanure he can get, of which the best is the rotten Kaddell oz bottomes of Way-stackes, oz foz want of it the meanure of horse-stables, sweepings, and scolorings of pards and barnes, the mudde of olde ditches, or elfe god Dreoz Cow meanure, any of which will bring forth abundance of graffe.

Det thus much I muft aduertife the Bulbandman, Theimperfethat this meanuring of Palture grounds carries with it ction of meadiners imperfections, for thoughit occasion abundance of nure. graffe to growe, yet the meddow or hay which comes thereof, is fo ranke, loggie, and fulfome in talt, that a beaft

taketh

taketh no toy to eate thereof, moze then to holde very life and soule together. Also the grasse thus meanured which you intend to graze oz cate with your Cattell, is by meanes of the meanure so lose at the rote, that Cattell as they bite plucke up both the grasse, rote, and all, which being of strong & ranke sent in the mouth of a deast, maketh him loathe and east it out againe, and so not strive to eate to be sat, but onely to maintaine life.

To helpe a flow Spring.

Dow if your Spring be flow, and late in the viere before your graffe will appeare aboue ground, it is mete then that you enclose your ground, and not only maintaine the fences with high and thicke Dutck-fets, but also with tall Timber-tres, whole thave and ftrength may befend many colde blaffs from the earth, and adde bnto it a moze naturall warmenelle then it had befoze, for it is onely the colonelle of the foyle which makes the graffe long before it grow. Also in this case it is mete that you lay (as the bus bandman tearmes it) all such Patture as you intend to graze at the fpzing following, in poucmber befoze, & fo not being bitten from that time till Apzill following, no doubt but your fpzing will be both god and forward. There be others which helpe their flow springing grounds by focks ing them in the latter end of the piere with great abune dance of thepe, who although they bite nere to the ground, and leave little graffe behinde them, yet they fo tread and meanure it with their hot meanure, that it will spring af ter it commeth to rest, much more early and faster then it was wont. So that to conclude in a wood, to make a barren ground fpzing earely, is to kepe it warme, let it have long reft, and meanureit well with Shape.

To help Knotigraffe and Speare-graffe. If your ground be troubled with knot-graffe of Speare-graffe, it is a figure of to much colde mouthure in the earth, and in this case you shall with a great common Plough, made so; such a purpose, turns by great surrowes through your ground, and make them so descend and fall one into another, that not onely the mouthure bred in the earth, but that which salls byon the earth, may have a swift passage

rom

from the same, and so your sople being drayned and kept dey, all those weedy kindes of graffe will some perish.

If your ground be subject to the scozehing or burning of the Sunne, then you hall bnder fand that it is directly burning. contrary to the last soyle we spake of : for as that by to much morature is made barraine by colde, so this by to much want of morffure is made barraine with heate: wherefore the Hulbandman shall in this case draw all his drapnes, to bring morture into his ground, which some times watring and sometimes over-flowing the same, will in the end bying it to a reasonable fertility, for it is a rule, that where there may be overflowes, there can feldome be any hurt by Sunne-burning, buleffe that furh To belpequirsoples be upon Limestone ground, og nære unto other ries of itone. quarries of hard ftone, which lying niere buto the opper fwarth of the graffe, both so burne the rote, that the bps per branches cannot prosper. In this case the bringing in of water both rather burt then god, wherefore your beff course is partly by your owne industry, and partly by the labours of others, toho are traded in fuch commodities, to let forth your ground to Stone-diggers or Lime-makers, who digging the quarries out of the earth, and then file ling by the emptie places with rubbilh and other earth, the sople will in Most space become as fcuitfull as any o ther, for it is onely the want of taking rote; or the burs ning up of the rote, which makes this kinde of earth bar. raine.

To helpe Sun-

Dow if pour ground bzing forth Ling, Braken, Gorfe, Toihelp Ling, Withinnes, or fuch like: you shall pare off the opper swarth Braken, &c. of the earth, and lay it in the Sume to day, in the height oa heate of Sommer, and being throughly dried, you hall lap them in round hollow heapes one fod over another, then putting fire buto them, burne them into ashes, which done, spread the aspes, like a meanure, over all the ground, and pou thall fix those wiedes will no moze spring or grow in that around.

If your ground be moziff or full of quicke myers,

To helpe morifhnesse or quick - nyers.

you hall then by small drapnes of trenches draw away the water, and turne it into some lower ditch of current, and so beinging the ground to a Cability or firmenelle. there is no boubt but fruitfalneffe, will prefently follow after.

To helpe molfineffe.

Laftly, if your ground be moffie, and bring forth in fead of graffe onely a loft fuffic and bulbhollome moffe. your onely best way to cure the fault, is in the Winter time to tread it much with the fete of Cattell, as by mas king of Bay Macks in divers parts of fuch ground, and fo fodzing your Cattell about the same, and so perety alte. ring the places of your Stackes or Kekes to goe over all your ground, & without boubt the treading of the ground will kill the moste, and the meanuring of the Cattell, and the expence of Day-leeds bpon the ground, will some bring the earth to much fruitfulnelle and godnelle.

The general! grounds.

Dow for the generall ble of thele barraine grounds, vie of barraine it is to be bnderstod, that albe by the meanes before thewed, they may be helpt or bettered, pet thep are but onely for breede or encrease of Cattell. Withether the grounds be feuerall and enclosed, ozibninerfall and common: whether they be Mods, Parkes, or Pastures, or Deathes, Dozes, Downes, oz other wilde and bulimitted places, and thefe grounds thall be denided into thee parts, the first and most fruitfullest lying lowest, lying nærest to the river or some running streame, you hall preferue for meddow, and not fuffer any beaft to bite bpon the same from Candlemaste, butill the hap be taken from the ground. The second part, you thall graze or eate from Candlemasse till Lammas, which would be that which lieth most plaine and bleake, and most subject o all weathers. And the third part, which is the warmest and lafest, pon thail graze from all-Pollantide till Candlematte, and betwirt Lammas and all-Pollantide you hall eate bp pour eddish or after crop of your meddoives.

What Cattell

Poin whereas I speake generally, that these barraine are to be bred. grounds are for the brede of Cattell, yet you hall bider.

fand me particularly, as namely, what Cattell for what sople, for every barraine earth will not bring forth Tate tell aithe, as some will beare a faire Come oz Dre, pet but a little Dorle: and some will bring forth a very goody Horse, pet but a very little horned beatt, therefore you thall observe that if your ground lye any thing lowe, or be subject to much moraure, and so not extreamely barraine. but although the Spring be late, get after it springeth, it peldeth a reasonable bit, this ground is fittelt to breede Cattell byon, as Towe, Dre, and luch like : but if it lye high and day, if it be fronte of mountainous, have much reflection of the Sunne : or though it be some what more barraine then the former earth, and in the belt part of the Spring væld but a Mozt, pet fwet bit, this ground is fit, teff to brede a faire and large horle bpon : but if it be ere treamely barraine colde and mouff, fonie oz moffie, fo it be replenished with any god Roze of Anderwood, then it is fit to brede fmall hard Pags bpon, or Weldings of a meaner fize, Goates, wilde, Swine, oz luch like. And lattly, if it be ertreame barraine, colde, and day, and altos gether without any kinde of thelter, but subject to every blast whatsoever, this ground is fit onely to brede Shepe bpon, as we lee by daily experience in the feuerall parts of this kingdome: fo that to conclude, you hall beare in your memorie, that where you brede your beaff. would be reasonable bit: where you brade your Borse god apre and warmth, and where you brede your Shepe. there much spaciousnesse of ground. And thus much briefly for the nature and ble of your barraine grounds.

Pow to procade to your fruitfull and rich grounds, Of fertill whose very encrease and abundance of graffe, without any grounds. other curious relation themes their fertility, there is little observation to be held in the ordering & disposing of them, for being naturally good of themselves, there needeth little Art to the maintainance of the same, onely to have an e. speciall care to the fencing and lafe keeping of them, to the due time of eating them with your Cattell, and to observe 8.4

a fit proportion of rest for them, in which they may grow and gather head for the maintainance of such beasts as shall fiede byon them. And to these, as an especial rule about the rest, must be added a carefull diligence not to over stocke or loade your ground with more Cattell then it may conveniently beare, for if your ground be never so stuitfull, if it be over-press with multitudes of Cattell, it cannot by any meanes yield you the profit of your expectation, but returne you loss and dammage.

These fruitfull and rich grounds would be devided insto two parts, the one pastures, or grounds sor continuall fixding or nourishing of Cattell all the yiere, the other meddowes, from whence you shall gather your Ainters provision of Hay, for the preservation of your Cattell, which are either for labour or sale in the Parket, and of

thefe two parts I will speaks seucrally.

The generall

vie of rich

grounds.

The deuisi-

on of rich

grounds.

Det before I begin to speake largely of them, it is meete you know the generall ble of thefe rich and fruits fall grounds, which is indede the feeling or fatting op of Cattell, either for fode in your owne house, or for sale in the Parket, to the Butcher , Dzoner, oz men of fuch like place or profession. For indede to brade much bps on theferich grounds, is neither profitable to the Bulbandman, nozis the beafts fo bred, either fo comely or Market able, as those beed in the harder soples, as wee may note in our experience, if we will furuay the breedes of Cattell in Glofter-Mire, Sommerfet-Mire, and Lincolnthire, which for the most part are bred upon erceding rich and fertile ground : yet if we take view of them, we thall finde that albe they are tall and large, yet they are of flender shape, leane-thighed, crumple-horned, and oft tender and day skinned, which is a fault very note-wozthie amongst Graziers, and indede are nothing so eyely and Market-able, as those beatts are which are bred in Yorke-Stre, Darby-Shire, Lancashire, and such like, all which are beed byon hard and barraine grounds, yet have godly, large, and round bodies, close trust, thicke, and

· mell

well coupled together, faire heads, beluet fkinnes, and as the Prouerbe is, are so beautifull in home and haire, that they are curry mans money, in curry Wathet. So that I conclude, that aibe bpon the rich ground you may briede god Cattell, and it is necessary alfo to to doe for the maintagnance of focke, get the generall ble, and that which is the greatest profit to the English hus bandman,

is to graze and feede the fame.

Dow to proceede to my former purpole, touching that Of Paffures part of rich ground which & call Pafture, because it is one, and ordering ty for feeding, you thall first provide that they be very well fenced, according to the nature of the Country, either with bitch, pale, raple, dead hedge, or quicke-growth : you hall also se that they be well stozed with water, that is sweet and wholesome, for putrified water bredeth many more tall and infectious difeafes amongit Cattell. Thele Das ffaces must ener be your highest ground, and fuch as lye lafelt from inundations. Those Pastures which you lay 02 aine reft to from the beginning of Pouember , pon map feede at Candlematic following with heilding beatts, oa fuch as are but beginning to fiede, but with your fat beaffs not till our Ladies day after: thole Paffures which you lap or gine reft to at Candlemaffe, you may bery well fede at May following: those which you give rest to at Mays day, you may feede at Didlommer, for then the fpring is fwift and plentifull: thefe you lay at Didfommer, you may fiede at Lammas, and those you lay at Lammas, you may fiede in Ditober, and generally all the Minter follows ing : onely you hall observe, that those Pakures which lye most in danger of water, or any other casualtie, be first eaten, least by to long belaying an buseasonable time come, and so you be both prevented of your hope and profit.

In the cating of your Pasture grounds, are many Manner offee things to be observed, as first for the feeding of your fat ding of cantell. Cattell, you must by all meanes be fure that they have full bite, which is to fay, length of graffe : for cattell, whole tongues -

tongues are the principall gatherers by of their fode, neis ther cannoz will bite niere buto the ground, except it be extreame hunger which composithem, and then they take little top in their fode. Pert you thall oft (as any fit occas fion will give you leave) remove and wift them into freth grounds, and not expect that they thould eate your graffe downe to the bottome, but oncly as it were famme and take the oppermost and choisest part thereof, and so they will feebe both (wiftly and throughly: and for that graffe which they shall leave behinde them, you shall eate it bp after them with your labouring or workercattell, and laftly with your theepe. It is very god also amongst your fat beaffs euer to have a leane hogle og two: for your fat bealts taketh belight to fiebe with them, and sometimes to bite after them, there being as it were a kinde of fpms pathie or liking of each others taftes. After your graffe is fully knit, and hath received his whole Arength, which wil be at Didlommer, then you may luffer your fat beaft to eate a little neerer buto the ground till after Lammas, becaule there is an ertraozdinarie lwetnelle therein, fpzinging from the heate of the Sunnes beames onely. Thefe few observations well kept, there is no doubt but your Cattell will fiede well to your contentment, then when you le that they are lufficiently fed, according to the arme of your purpole, whether it be for the ble of your houshold, or the vie of the Parket, you hall forth with imploy them accordingly, for it is both the lotte of time and mos ncy, not to put them off by fale of otherwife, so some as they are come to the end of your defire. For thefe rich grounds will sometimes make two returnes in the yere, sometimes their, which is a great profit. And I have heard sometimes offoure, but it is very rare, and the Cat, tell so returned must be very well Aricken with slesh before they be put buto fæding, but if your ground will returne leane beafts fat twice through the yeare, it is commodity lufficient.

Pow because it is not sufficient to say sell or kill your Cattell

Cattell when they are fat, ercept you have the Art and How to know f kill to know the same, you thall observe these few rules a fat Beatt. following, and they will sufficiently instruct you in the same. First, when you se your beaft in the generall chape and composure of his body thew most faire and beautitifull, each member being comely, and each bone concred, in such fort as a perfect thape requireth, as no eye is so the pid as cannot tell when a beaft loketh well or ill-fauons reoly, you Mall then quelle the beaft to be well fed, efper cially when you fee his huckle-bones round and not tharpe, his ribs fmoth, not rough, his flankes full, his natch thick, and his cod round. This when you thall perceive, you Mall handle him, and griping him byon the neathermoft ribs, if you feele the fkinne lofe, and the substance foft bus der your hand, you may be well affured that the beaft is very well fed outwardly, that is byon the bones. Dou thall then lay your hand byon his round huckle bones, and if that feele, bnder your hand, foft, round and plumpe, you thall be affured that the beaff is well fed both outwardly and inwardly, that is, both in flesh and tallow; then you thall handle him at the fetting on of his taile, and if that handle bigge, thicke, full, and foft, it is a true figne that the beatt is very well fed outwardly: then handle his natch-bones which are on both fives the fetting on of his taile, and if they fæle loft and lofe, it is a figne that he is well fed, both outwardly and inwardly. Laftip, you thail handle his cod and nauell, if it be of an Dre, and the nauell onely if it be a Coive, and if they handle thicke, round, foft, great, and plumpe, it is a most affored signe that the beaff is very well tallowed within. And thus when any of these parts or members thall handle in contrary mans ner, von hall indge of the contrary effects. And thus much touching the knowledge of a fat beaft.

Poin for the fecond part of thefe rich grounds, which are meddowes, they ought to be the most fruitfullett and and their orderitheft of all other, lying low and levell, and being note ring. and then in the Winter leafon watht with inundations,

the moderate overflowing of waters enricheth and fertiles the foyle, to the tw much soking or long resting of the water rotteth the earth, bringeth it to varrainnesse, neither is it altogether necessary that every meddelve should by so low that it might be overflowed, for there be some high grounds which are free from those sworth will beare meddow in very sufficient manner, salthough the lower meddowes doe abound in the plenty of grasse, yet the higher grounds ever bearsth the sweter grasse, and it is a rule amongst Husbandmen, that the low meddowes do fill, but the high meddowes do fede, the low are for the Stable, but the high are for the Cratch, and that which is long will maintaine life, but that which is short will brede misse.

Preservation of Meddowes.

The chiefest respect you shall have to your meddolves, is to defend and preferue them from Poales, and fuch like bermine, which rote up the earth, and deltroy the fweet and tender rots of the graffe. Pert, that you note in what places of the meddow the water Candeth longest, & from thence, by small furrowes or draynes, to give it a free palfage, fo that the meddow may as it were cleanfe & bedap in one instant. Lastly, you shall maintaine the banks of all fuch ditches & other fences bozdzing about your meddowes in god and lufficient manner, both for keping out of was ter after pour meddolves begin to grow, as alfo for keping Cattell from eating them in the night or other times, which is a great deprination and lotte of the profit you er. ped to come from them: for you hall binder stand, that if any overflow hall come buto your meddowes after Day, it will leave such a sandy filthinesse in the grasse, that er. cept bery moderate thowers fall fwiftly, and fodainly, to washit out againe, the Way which shall be got of that crop, will both be bufauozie and buwholfome, and bzied in pour Cattell many dangerous and moztall fickneffes.

When to lay Meddowes.

The best times for laying of meddowes to rest, is, if the meddow lye high, as in by-land Countries, or if the soyle

be cold, or the springing thereof Colv, at Candlemalle: but if the ground be moze warme, temperate, & of some moze fertility, then you may lay it at our Ladies day in Warch : but if the ground be most fruitfall, then if you lay it at Day day, it will be early enough. Also in the laying of your med. dowes to reit, you hall confider the Rate of the ground, as whether it be eaten nere and bare, and with what Cat. teil, as Boile, Dren, og Shæpe : if it haue bene eaten bare with Dren or Horse, then you shall lay it earlier in the pære, for it will alke a longer time to grow againe : but if it have bene eaten with Shepe (although thep bitenes rest to the ground) pet you may lay it so much later, bes cause the meanure which they bestow boon such god ground, will quickly hatten on the Spring : but if your meddowes have not bene eaten bare, but have a god biepe fogge bpon them fill, then you may lay them the lateff. Alfoin the laying of meddewes, you thall confider whether they be common or prinate, if they be common meddowes, and that no olde cuftome binde you to the contrary, you thall lay them to reft earely in the pere, that reconcring a forward Spring, you may cut them fo much the foner, and so have the better after-crop, and the longer time to eate it: but if your meddow be private, and at your ownepartie cular disposing, then you thall lay it according to your ofone necessitie, and the godnes of the loyle, obseruing ener to give it full time of growth, and not to cut it till the grade be full ripe, for it is better to let it grow a weke tw long (fo the weather be feafonable for the withering ofit) then to cut it two dapes to fone, because when it is to earely cut, it not onely lwfeth the strength and godnesse, but also the substance and waight, and in the daying thanketh and walteth to nothing.

Douching the fittelt time to cut or mowe pour med, When to move Dolnes: Afthey belaid in a due feafon, it is held of all the Meddowes. belt Englishbulbandmen generally to be a weeke or a fort. night after Biolommer day, as namely about the translation on of Thomas, which is ever the feaventeenth day of July,

and

and without question it is a very god time for all men to begin that labour, if their grounds be fruitfull and of earely growth: but in as much as diacrs grounds are biners in their growth, some being much more halfte then other fome: and for as much as fome meddew may as well grow twlong as tw little a time, as in high land Toun. tries, where the heate and reflection of the Sunne willburne and confume away the graffe, if it be not gathered in a due feafon, I would therefore with every god Dulbanoman about a weke before Widlommer, and a weke after, to view his meddowes well, and if he fie them turne browne, if the Cock-heads turne bowneward and fand not bpzight,if the Bels and other beffels of febe open and thed their ledes , if your Bonisuckles hane loft their flos wers, and the Penigraffe behard, day, and withered, then you thall truty bnderstand that your meddow is ripe and ready to be mowne, and the longer it fandeth, the moze it will lose of the substance, and when any of the contrary fignes appeare, as when the meddow lokes græne and freth, the Cock-heads loke bpzight, the 13 els are close and hard, the Bonisuckles flowing and purple, and the Dea migraffe foft and mopff, then is pour meddow not readle to cut, not will the Bay that is so gotten be other then foft, fuzzie, and most bumbolsome, no beast taking delight to cate of the fame.

The inclination of the wrather.

Now to these considerations, you shall adde a carefull observation of the state and inclination of the weather, and if you since that the weather is disposed to much wet or incertaintie, then you shall forbeare to moive, because that moreture will still maintaine and hold the grasse in his perfect strength so long as it groweth: but if it be once cut downe, then the wet will some rot and spoile it: but if you sinde the weather enclined to drought and sairenesse, then you shall with all speede cut downe your Hay, for one loads got and brought into the barne without raine, is snorth two that hath beene washt, though but swith the smalless shower. There he some Hulbandmen that in

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the molving of their medocives, will observe the fate of the Done, and other planetaric confedures, but thep are fitter for those which fæke curiolitie moze then profit, for mine owne part I would with every god hule band but to know truly when his crop is tipe, and then to gather it in the most constant and fairest featons. which the rules already let downe will most amply thew him.

Down for the manner of mowing your meddowes, ale The manner though the generall accepteth in the hands of the mower, how to mowe and that it is hard and impossible, in words, to expresse the Art of the action, noz is it neofall that every Dusbands man be a mower, pet for those rules which the English Bulbandman Could know and observe, I will in no fort omit them. Dou thall then know that in the mowing of your meddowes you thail mowe them fmoth, plaine, and levell, and as the Bulbandman tearmes it, with fuch an euen board, that a man may no moze but biscerne the go. ing in and comming forth of the Sythe : and this hall be bone fo close and neere onto the ground, as is pollible for the worke-man to get, especially if it be in publique and common meddowes, because the Swap and first crop is all the maine profit you can challenge your owne : nay, you hall doe it also in pour sione prinate and severall med volves: for although an ignorant cultome have drawne fome of our Bulbandmen, to lay and belieue that there is no lotte in the fleight and insufficient mowing of pais nate meddolves, because say they, what I lose in the Barne, my Cattell findes on the ground, pet they are much deceiued in that opinion, for what they so leave on the ground halfe cut halfe bucut, is no goo fode, neither pleasant noz sanourie, but ozy, hard, and bitter, and indede no better then fower fogge, which map fill, but cannot nourth, and who then will be fo timple, as not to preferre fwet Day before fuch bulauourie graffe ? therefore be carefull to mowe pour graffe euen, and close by the ground, for it will make the fresh grasse spring op with:

with more eafe, and be much pleafanter in taffe.

How to make Hay.

Pert after the mowing of pour meddowes, followeth the making of your Day, which is a labour that mult be followed with great care and biligence, for it is an old fape ing, that dearth beginneth at the Day-barne doze, and he that is negligent in that, can hardly be good hul band in any thing eife, then to thew pou how you thall make your hap, you thall first understand that no one particular forme can fand for a generall rule, because Day must be made according to the nature of the graffe, and the fople where it groweth, some being apt to wither and make some, as that graffe which is finell, and hath in it leaft wedes, or thers will be long in making, as that which is full of thicke, frong, and fower graffe, many wedes, bunnes, and fuch like hard Stalkes, which are not easily dated, therefore it is the part of energ god Hulbandman, either by his eye and knowledge to judge of the nature of his graffe, or elfe to follow the customes of the Country and sogle inherein he lineth, but the fict, Unowledge, is the better Science. But to procede to mp purpose, I will in the natures of two forts of graffe, the one fine, the other course, the wouthe generall making of all forts of Hap.

To make fine Hay.

first, then for the making of pour fine rich grate into Dap, if it grow in great abundance, thicke and close, and lo lieth in the swathe, you shall have one with a Witche forke to follow the Dowers, and to spread and throw the graffe thinne abroad, that the apre and funne-beames map passe through it : and this is called in most Countries teds ding of Bap. The nert day, after the Sunne hath taken the defree from the ground, you thall turne that which the day before you tedded, and then if you have any more new mowen, you shall ted it also. The next day folioling, as before, when the oche is from the earth, you shall turne pour Day againe, and so letting it lye till the Sunne be at his height, begin to fir it againe, at which time if you finde it is reasonably well withered, you had then draw it into wind rowes, that is, you thall marke which way the

winde

winde frandeth, and the same way that it bloweth, the fame way with Forks & Kakes one after another, gather in the Day intolong, great, thicke rowes : then pouthall make those windzowes into large Cockes, of which the biggest is ever the best, for they will befond themselves from raine, if happily any that! fall, whereas the little small Cocke lying light together, taketh in the raine like a spunge, and so makes the Day a great deale much mosse then other wife it would be; when your Bap is thus fet in fafe Cocke, you hall let it reft a day or two, that it map take a little fweat therein, which will make the Day wone drous pleafant and finet, then when the Somme is got by to a pretie beight, von Gall open thole Cockes, and after the funne and winde hath palled through them, you may if the graffe be cleane a fine of it felfe, without ranke graffe, load it, and carrie it either into the Barne, og fuch other place as you have appointed for the receit thereof: but if it have any ranke graffe, which you fix buwithered among & it, then you shall make it op againe into safe cockes, and so let it rest a day or two more before you leade it away. And thus much for the making by of fine Day.

Pow for the making of course graffe into Day, which To make pou must suppose to be grasse growing, in colde, mopst, course Hay. woode, and barraine grounds, full of webte, rough, and flumpie hearbage, long in growing, late ere it can be gathered, and therefore deprined of much of the Sunnes Arength, to fweten and wither it. This grafe as some as it hath beene mowne and tedded, as is before faid: the nert day you thall make it into little graffe Cockes, as bigge as little Poale-hilles, and so haufng lagne a day or better, then breake them open, and let them receive the funne and winde, for they will heat and fiveat a little in the graffe, which makes it Wap the coner & better: then after the Sunne hath spent all his power bpon it, you hall make it by into little Cockes againe, putting two of the first Cockes into one, then having so layne another day, breake them open againe, and give them the Soume: then

then make them by againe, and put thee or foure of thois Cockes into one, and fo let them lye another day, then breake them open as before, if the Sunne fhine faire, and at evening make them by againe, putting thee or foure of those Cockes into one, and so cuery morning after the Summe is by breake them open, and at evening make them bpagaine, till you finde that the Day is sufficiently well dited, and Iweateth no more in the Cocke : but in the morning when you breake it open it is bay, without fremme, imoake, or vapour ariting from it, which both pour hand and eye may perceive in the first firring 03 mouing, and then you may at your pleasure leade it home, and house or fracke it as you thall have occasion.

Vie of Hay for or labour with.

Powfoz the ble of Day, it is two-folde, that is, either cattell to breed for the maintainance of breeding Cattell, or Cattell for las bour, og elfe for the feeding of Cattell for the Darket, or for flaughter : for the maintainance of brading Cattell, 92 the Cattell which are imployed in your Plough oz other labours, whether it be draught or travell, you shall make choise of the sweet, and well-dated Bay, which is of freth and græne colour, well withered, found, and perfect Day, though it be long, loggie, and not erccoing much fwet, it matters not ; for being well Inned and bried, it will ferue fufficientip for those purposes : and with this Day to mingle sometimes Wiheat-Kraw, Kye-Araw, Barly, or Date frair will not be amille for heilding, or brade Cattell : but foz mozhe-beafts, ercept neceffitie conftraine, let them have Day simple of it felfe, during the buffe time of their worke, but when they rell, you may ble your discretion. For the times of giving Bay or foods ring to fuch Cattellas are in the house, the best is in the morning before they goe to labour, in the evening when they come from labour, prefently after their brinke, and at night when you goe to bed. But for those Cattell which goe abroad, as Shepe, helloing Bealts, and luch like, to fooder them morning and evening, is out and out fully lufficient. A stop and one suismon

use of hay for

Dow for the vie of Hapfor fat cattell, you Mall make chople of the fruitfulleft, fwieteft, fineft, and fhorteft Hap you have, being full of flowers, pleasant and odoziferous to smell on : and although this Way be mirt with some roughnelle, pet it is not the worle, for though your fatbeatt make thereof great oats, pet is the loffe not great, for those outs may be given to other heilding and hungrie cattell, which will eate them with great eagerneffe. This Day would in the first gathering not be withered to soze but so fackt-bp with a little hartie grænnesse that it may alittle mow-burne, and alter the colour to a Redich browns nelle, but by no meanes fo moyft that it may mould, rot, or putrifie, for that is fullome and wilde, but onely alter the colour, and thereby make the finell flueter and fronger. This Bay will entice a beaft to eate, and will Arengthen and inable his fromacke, and withall will breed in him fuch a drought or thirst, that hardly any water will quench him , and the Brazier takes it euer foz an infallis ble figne, that when his beaft drinkes much he feeds faft and his tallow ivonderfully increafeth. For the ordinarie times of foodzing your fat cattell, if they be in the Rall. and as we fay, tyed by by the head, the beft is in the moze ning before and after water, at none; in the evening before & after water, and late in the night, when you goe to bed, but if they fiede abzoad, and take the benefit of Fogge and after-graffe, then to fodder them Mozning, Ques ning, and high-none is fully lufficient.

Here I could speake of Peale-sæding of Shæp, Swine, and other cattel, eyther at the Trough, Kæke, Stacke, or such like, the severall manner of cratches, salhions of stals, and many other necessary rules appertaining to this my sterie; but I am against my will consined, and there fore must referre it to some other occasion, being loath to spoyle an excellent discourse, with a tale halfe tould, and imperseally spoken: And thus much therefore of Action of the council has

bowes, and their feuerall bles.

on

CHAP. VIII.

A new method for the husbandly curing of all manner of Cattels diseases.

The reason for this Chapter.



A this Theame I have written a whole (or as some will suppose many) Histories, yet doubtlesse nothing to much, the cause is some cessary and commodious: yet this I must let

every Reader binderifand, that what I have herein formerly done, I did for a general and uncontrouls lable fatilfaction to the whole Kingbome, both the learned and unlearned, and as well to fatiffie the nicelt and most curious opinion, as the simple and playne dealing creature: whence it came that I wided Artfully and profoundly into the bittermost fecrets of this knowledge, leas uing nothing busearcht, or buset bowne, that might any way tend to the latisfaction of any indiciall Reader, and therefore toke liberty to make a large progrette, without sparing any paynes, to make my worke absolutely mest perfect. But now, having onely to doe with our honeft playne English Bulbandinan, who exther cannot much read, or elle hath little leafure to read, at molt but a little memorie to bestoln boon his readings, I have here for his case both of memory, readings, and other veratis ons,drawnehim such a method for the curing of all the discases in cattell, as was never yet found out by any man of Authour whatsoever : and is worthy to be preserved to all posterities for ever and ever.

Horses discases
to be cured
with twelue
Medicines.

To beginne then first with the Porse, which is the Pubbandmans principallest creature, you shal understand that he hath, of my knowledge, one hundred and odde diseases, or infirmities, besides other hurts and blemishes, for all which, I have severally shawed severall cures, as may appeare by the volumes which are much to great for any

Hulband

Hulbandman to carry in his braynes, and therefore for his case I have drawne all those hundred and odde sicknesses or sorrances, into twelve, and will assure every Husband, man that with these twelve medicines following, his chall perfectly cure all the diseases in a Horse, what soever.

To proceede then in an orderly manner to the cures: Of inward Cuery hulbandman must know that all discales in a horse ficknesse. are inward of outward: inward as effending the vitall parts, or outward as troubling the members : to speake then first of inward ficknesse, I will dinive it into two branches, that is, epther it offends the heart, or the brapne: If it offend the heart, we call them, Feauers, Dele lowes, Anticor, confumption of lungs, Liner, Spiene, Ball oz other intrais, Weines, Fluxes, Bellysbound, and fluers other of the nature: For any or all which you The first thall first let your Dorfe bloud in the nerk-beine, and then Medicine, giue him, during his fichneffe, to dainke, oyther in fwiete Wine of Arong Aleor Bere, if Wine apinte, if Aleor Beere a quart, tho sponefull of the power called Diapente, made of Ariffolochia rot, Gentiana, Myrrhe, Eboni and Bachi lauri, of each equall quantitic, and let it be well breived together, and doe thus every Morning fatting, and let the Dorfe fatt two houres after it.

Je it offend the brayne we call them Appopleries The second Palües, Staggers, Colos, Claunder, Coughes, moure Medicine. ning of the theme, Pigrims, distincte, and a world of such like and the cure is to take Allaseceda, and dissolving it in Timegar dip hurds therein, and stop it hard into his earcs for two Pornings together after you have taken from him great store of blowdat his neeks-veine, and then give him to drinke, wherein the white and rough cankers rous Posses, wherein the white and rough cankers rous Posses of an old Dake pale hath beine sodoen till the Pilke grow thicke, then strayned a so given luke warme, and if you sind ethat no heavinesses distincts appeare in his head, then you may sorbeare the blowd-letting, and the Allaseceda,

Allafeteda, but not otherwise, in any case; and thus affared, ty thefe two medicines alreadie declared will cure all the

inward difeates in a Bogle, whatfocuer.

Of ourward difeales.

Pow for outward difeases, they are exther naturallog accidentall: If they be naturall, they eyther grow from the generation, or briede, from inhence a Borfe is defcended, oz else from corruption of swde, or other bumboles. some keping; If they grow from the brede and generas tion of the Hopfe, we call them the Mines, Wens, Unots, or fivellings about the throat : and for the cure thereof, take a peny-worth of Depper, beaten into powder; a sponefull of swines-greate, the tupce of one handfull of Rew, two sponefuls of Uincger, and mire them together, and put this equally into both the Horles cares, and fo tye them by and thake the eares, that the medicine may linke downe, and take goo fore of blond from the Borfes necke beine, and temple beines, and ble this medicine two or thee mornings together.

The third medicine.

If they procede from corruption of fode, or any other

bniwholfome keeping which corrupteth the bloud, then we call them Impostumations, Bples, Botches, Fistulacs, Polemill, and fuch like: and the cure is, to take the loame of an old mudde wall, Araives and all, but let there be no Linie amongst it, and boyle this leame with strong Uineger, till it belike a Pultus, and as hot as the Poste can abide it, apply it to the loze place, and it will not onely

and healeit.

draw it to a head, and breake it, but also draw it, search it,

The fift Medicine.

The fourth Medicine .

> There be also other difeases which proceed from naughtie fode, and the corruption of blod, and we call them Farcies, Scabs, Mangie, Scratches, Paynes, Mallans ders, Sellanders, and all of fuch like nature; and the cure is first to flit the hard knots, or rubbe off the scarfe, and make the fore places raw: then take yellow Arsnicke beaten to powder, and mire it well with fresh greafe, and then therewith annount the love places all oner, which done, the pothe Horles head, fo as he may not knappe of

bite

bite himselfe, and so let him stand an houre or tivo: then take ffrong old Diffe warmde, and therewith bathe and walh the Borle all oner, and fo put him to his meat: and in this manner dreffe the Horse or beaft thise or foure mornings, and it will be fufficient; oneip you must not faple to take from him good ffore of bloud at his necke baine.

Pow if his difeales proced from accidentail caufes, as from wounds, Bruiles, Strapnes, Galles, hurts in the Epes, excretions, or broken bones, then you thall to energ one of thefe take thefe feueral medicines which follow: as first, if they be wounds, in what fort foeuer taken or recei. The fixt Meued vou hall take Turpentine, Mare, and hogs-greafe, of each a like quantity, and melting them together into a falue, dreffe the wound therewith, and it will heale it,

bow great oz little foeuer.

If they be bruiles, whether gotten by ffroake, naughe tie Saddles , oz other ruthes , from whence procedeth many times old, putrefied & moltranckorous bleers, vou hall first if the tumoz be onely swelled and not broken, Medicine. apply buto it the fourth medicine of Lomne and Hingar, but if it be an open old ranckozous bleer, you shall take Dogs-greafe, Aurpentine, Ware, and Merbigreafe, of each a like quantitie, and being well mirt, and incorporas teo together, defle the foze therewith, till it be whole, foz this medicine will abate and keepe downe any fpungie oz naughtie dead flefh which arifes and keepes the fore from healing, and may therefore alwayes be bled in luch like cafes, whether the fore be new or old.

If they be Arapnes epther of topnts or finemes in Medicines. what part or member foeuer it be, old or new, take firong Minegar , Batch-greafe, and Taheat-branne, and bople them together till thep be thick like a Pultus, and then apo ply it bery hot to the fragne, Pozning and Guening, and it is a most certapne cure, and will kepe the member from growing foule, knotted, or gourded, and will also take away all swellings or paynes of the limbes whatsoever.

The feuenth

The eight

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The ninth Medicine. If they be Galles, of what kinde or nature focuer, where ther on the backe, limbes, or any other outward part of the bodie, you that take first fresh Butter scalding hot, and with it first bathe and walk the fore, then take thicke Creame, a mixing it with the Swte of a Chimney till it be thicke, like a falue, with the same annoynt the fore place Porning and Guening, and it will cure it without any feare of dead slesh: if you doe throw byon the soze the powder of Rossen it will be god also.

The tenth Medicine. If they be any hurts in the eyes, as Arokes, inclamations, Pinne-webbe, Canker, or any other mischiese whatsomer, you shall then take true ground-Juie, which otherwise is called of some Ale-hose, and beating a god handfull thereof in a morter, with a sponefull or two of white Rosewater, or the water of Eye-bright, then Arain it through a cicane wet cloath, and with that water dresse the sore eye Porning and Cuening for if you can connentently three or source times a day, for the oftner is the better, and it will without all sayle cure any sore eye in the world whatsoever, eyther of man or beatt, or any of their creature.

The eleventh

If they be ercretions of bones, as Splents, Spauens, Curbs, Kingbones, or such like, in what part or member some they be, you shall then take white Arsnicke, beaten or ground to fine powder, and making a little sit byon the head of the ercretion, the length of a Barly corne, or very little more, yet in any wairs downe diepe to the ercretion, a then with the poynt of your knife put the Arsnicke byon the ercretion, and so let the Porse stand with his head tied by for two hours at least for in that time the greatest are guish will be gone, and then put him unto his meate, and in three or source dayes after the excretion will fall away of it selfe; and then with a little sweet Butter you may cure the sore, which intel not be great.

The twelfth Medicine. If they be broken bones, or bones out of toynt, you thall after you have placed them in their due place, first annoynt them with the Dyle of Pallowes, or for want of it with

warme

warme Patch-greafe, and then clap about them a platter made of Pitch, Mossen, and Matticke, and so with foft and flat splents, so splent the member, as it may not moue, and fo let it reft nine dayes ere you breffe it againe, and in any cafe to fling the Horse or Beatt that he may not during that time, put his member to the ground, which

a little biligence and payne will easily doe.

If your Horse have any infirmitie in his hours as quitter-bone, oner-reach, packe, crowne fcabbe, rotten fruth, 02 any fuch bicerous difeate, you thail first lay it open, and then heale it with the feuenth Dedicine. But if it be foundring, fretteshing, or such like, then you shall first pare all his house cleane over, to thimse that you may differne the quicks all oner, then let him bloud at the toes, and take great fore of bloud from him, but in any cafe cut not the beine in funder: then take the firt medicine, and being boys ling hot (after hollow thoes have beine tackt on his fete) with Flare hurds dipt therein, Roppe all the foales of his feete by hard, and thus doe twice in fire dayes, and it will bring his feete to their full perfection againe, withe out any great lotte of trouble.

As for the common infirmities in a Borles pring parts, Difeafes in the which are swellings, inclammations, incording, a such like, for stifling. pou Mall but only fwimme your horse in cold water 9902. ning and Quening, and it is a prefent helpe, both for them, or the ftifling of a horse in his hinder topnt : Thus pour fix these twelve medicines will sufficiently cure all the dise eafes in Horse or Weat what somer, which who so will not carry in his memory, he is worthy now and then to be punisht for his floath, and sometimes to suffer loss.

which may make him more industrious to Audie for his owne god and profit. And thus much for the cure of dileales.

Difeases in the

to a sciir a set an interess of the late of the late of the and all the same and a second and a second attenuolen and se in a manufacture and a second stay but the fighted received and all of the first mentals and the a her with dies and about the control of the little of the control of

