HANDBOUND AT THE

## Galladius on 迤ushondrie.

## palladium

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EDITED
FROM THE UNIQUE MS. OF ABOUT 1420 add.
IN COLCHESTER CASTLE.

BY THE
REV. BARTON LODGE, MA.,
RECTOR OF ST. MARY MAGDALEN, COLCHESTER.

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## PREFACE.

Of the author of this translation nothing certain is known, and he has not left us any clue by which we may hope to discover traces of his name, position, or history: stat nominis umbra. Very possibly he may have been a member of one of the Religious Houses in Colchester, or the neighbourhood ; but this is only conjecture, founded upon the known facts that gardening was a favourite pursuit of the inmates of these houses, and Palladius was held in repute amongst them. The translator occasionally speaks in his own person, in parentheses, and in the Prologues and Epilogues, and though he does not thus help us in determining directly who he was and where he lived, he affords us abundant evidence that he was a religious and devout man. He must have been possessed also of considerable learning, for those times, to have been enabled to render his Author so correctly as he generally does; and his success in reproducing a Prose writer in a Poetic dress indicates some literary taste as well as leisure. The Editor is not aware of the existence of any other translation of Palladius into English, though he has been published in the vernacular of most of the other European nations. Of the time and place at which the present translation was produced, we may judge approximately by internal evidence. The form and structure of the language point decidedly to a period little subsequent to the age of Chaucer. The grammatical peculiarities lead to this conclusion ; the Stanza adopted was a favourite one with the great Poet in his early Canterbury Tales; and in our text expressions and turns of thought frequently occur, which may justify the surmise that the translator, whoever he
was, had recently'read and admired Chaucer's wonderful poem, and was led to an unconscious and humble imitation of his verse. Some of the grammatical forms ordinarily employed by this writer shall be appended, by which the Chaucerian reader will be enabled to see at once the similarity referred to. In the structure of the verse it is worth remarking that there is the same tendency as in Chaucer to conclude a paragraph with a syllable, the rhyme to which occurs at the commencement. of the next paragraph, and not to complete the rhyme with the paragraph, according to modern usage. Both writers also are in the habit of making words of the same form rhyme together if used in different senses. The author of this translation frequently in a marked manner is at pains to show by his Latin explanations that there is this difference in the words of the same sound at the conclusion of his lines. With respect to the final $e$, this writer's usage cannot be made amenable to the same laws which have been applied with so much ingenious plausibility to Chaucer. Whether these rules were strictly observed by the great poet or not, enough has been done by Dr. Morris, Professor Child, and others, to vindicate him from the absurd charges made against his versification by Dryden. Whilst I am on this subject I must just remark with regard to the common word "atte," which is generally explained to mean at the, that in this work it repeatedly occurs, sometimes as a monosyllable, sometimes as a dissyllable, with the definite article immediately following. Our language was then evidently in a transitional state; and the dialect employed by our translator was, according to the criteria supplied by Dr. Morris, that of the East Midland districts. The Anglo-Saxon letters b (thorn) and $p$ (wen) are not once used ; the plural of verbs ends generally in $t h$, the infinitive often in $e n$, the present participle in $y n g$ or ing, but never in and or ande; the past participle has often the $i$ or $y$ prefixed to it: the pronouns are frequently used in the dative. But more of this in the Grammatical Paradigm.

The Manuscript from which this transcript has been made had been lying long unnoticed in the Library of Colchester Castle; but how it came there, and whence it was brought, there is no record to show. Probably it was presented to the Book Society, with many other volumes, by the late Charles Gray, Esq.: it has the printed Book-plate of the Society within the cover, and the same impressed on the outside. It had evidently been subject to much ill-treatment before binding; for the title-page is gone, several pages at the end have been rudely torn, and the blank pages have been scribbled over. The MS. is on parchment, in a good hand, carefully written in most places, though sometimes showing signs of carelessness in the copyist; occasionally a whole line is omitted, probably from inadvertence, but once or twice a space is left, as if the author had not completed the translation. Reference will be made to these in the notes. The binder, by a strange blunder, has lettered the volume "Tusser's Calendar MS."

With regard to the personal history of Palladius himself, known facts are very scanty. We can assert that he was called Palladius Rutilius Taurus 祭milianus, that he lived and wrote about the time of Theodosius, in the fourth century, and that his work on Husbandry in fourteen Books obtained some celebrity; but in determining the place of his birth, or whether he was a lawyer or physician, as well as a practical agriculturist, we have little more than conjecture to rely on. There is, however, every reason, short of absolute demonstration, for believing that the following verses apply to the author of the treatise here translated: at any rate they have merit enough of their own to justify their reproduction. They are by Rutilius, and were published in his Itinerary.

> Tum discessurus studiis urbique remitto
> Palladium generis spemque, decusque mei,
> Facundus juvenis Gallorum nuper ab arvis
> Missus Romani discere jura fori.

Ille meæ secum dulcissima vinculacuræ,
Filius affectu, stirpe propinquus habet, Cujus Aremoricas pater Exsuperantius oras

Nunc postliminium pacis amare docet.
The purity of Palladius's Latin style is remarkable, considering the time at which he wrote; and numerous copies of his work attest the honour in which he was held. Not only in Italy, to which country his directions are more particularly adapted, but in other countries also, he has been much read; and when our own Milton undertook the office of tutor to his sister's two sons and others of his friends, according to Toland, " not content to acquaint his disciples with those books that are commonly read in the schools, wherof several are no doubt excellent in their kind, tho' others are as trivial or impertinent, he made them read in Latin the ancient authors concerning Husbandry, as Cato, Varro, Columella, and Palladius." That part of the work which relates to the vine, and has apparently little to interest the practical husbandman in this country, was once perhaps as acceptable as any : for, beyond a doubt, vine-growing and winemaking were formerly carried on to a great extent in England, as Master Barnaby Googe, who wrote in the year 1614, bears witness on this wise in the Introduction to his work, founded on a German original, on the "whole art and trade of Husbandry, contained in foure Bookes, viz.-I. of EarableGround, Tillage and Pasture ; II. of Gardens, Orchards, and Woods ; III. of feeding, breeding, and curing all manner of Cattell ; IIII. of poultrie, fowle, fish, and bees :-

I have also beene carefull about the planting and ordering of the Vine (though some of my friends would have had it omitted, as altogether impertinent to our countrie): because I am fully perswaded, if diligence and good husbandrie might be used, wee might have a reasonable good Wine, growing in many places of this Realme; as undoubtedly we had immediately after the Conquest, till partly by slothfulnesse, not liking any thing long that is painefull, partly by Civill discord long continuing, it was left, and so with time lost, as
appeareth by a number of places in this Realme, that keepes still the name of Vineyards; and upon many Cliffes and Hilles are yet to be seene the rootes, and old remaines of Vines. There is besides Notingham an ancient house called Chilwell, in which house remaineth yet, as an auncient monument in a great vvindow of glasse, the whole order of planting, proyning, stamping, and pressing of Vines. Besides there is yet also growing an olde Vine that yeelds a Grape sufficient to make a right good Wine, as vvas lately proved by a Gentlewoman in the sayd House. There hath moreover good experience of late yeeres beene made, by two noble and honourable Barons of this Realme, the Lord Villiams of Tame, and the Lord Cobham, vvho both had growing about their houses as good Vines, as are in many places of France. And if they answere not in all points every man's expectation, the fault is rather to be imputed to the malice and disdaine peradventure of the Frenchmen that kept them, then to any ill disposition, or fault of the soyle. For vvhere have you in any place better, or pleasanter Wines, then about Backrach, Colin, Andernach, and divers other places of Germanie, that have in manner the selfe-same latitude and disposition of the Heavens that we have? Beside that the nearenesse to the South is not altogether the causer of good Wines, appeareth in that you have about Orleans, great store of good and excellent Wine: wheras if you go to Burges, two days journey farther to the south, you shall finde a Wine not worth the drinking. The like is (as I have heard reported by Master D. Dale, Embassadour for his Majestie in these parts) of Paris, and Barleduke, the Towne being Southward, with noughtie wines: the others a great wayes farther to the North, vvith as good Wines as may be. But admit England would yeeld none so strong and pleasant Wines as are desired (as I am fully perswaded it would), yet is it worth the triall and travaile to have Wines of our owne, though they be the smaller; and therefore I thought it not meet to leave out of my booke the ordering and trimming of Vines."

I would remark, in confirmation of Barnaby Googe's statement, that, in an old map of Colchester, I have seen vines depicted in the streets; and in the Corporation Rolls, preserved amongst the Colchester Records, we find that in the 3rd \& 4th Richard II., a sufficient piece of land was granted to place three stulps (spores, or spars) to support a certain vine opposite the house of one Clement, a dyer in North Street: and "in

4th \& 5th Edward II., Hugh de Stowe raised two stulps under his vine opposite his tenement in Chero," i.e. the chair, or scherd. And, further, in an account of Belhus, the seat of the Barrett-Lennard family at Avely, in Essex, we are told that Belhus is described as "a capital manor, with house and chambers, garden and vineyard from which there is record that wine was made." Mr. Godwin, in the English Archcoologists' Handbook, informs us that vineyards are mentioned thirty-eight times in the Doomsday Book. Few great Monasteries were without them. They are referred to in the laws of King Alfred, and are said by Vopiscus to be as old as a.d. 280. One in Essex is alluded to, quee reddit xx modios vini si bene procedit. One also is stated to have existed at Bisham, Berks. Mr. Roach Smith has not only called attention to the subject in a very interesting pamphlet, but has also attempted on a large scale to restore the cultivation of the vine in England as a branch of husbandry ; and it is to be hoped that his patriotic experiment may be attended with success.

The Editor is well aware, however, that the value of this publication will consist mainly in the specimens it affords of the structure of our language at an important period, and to its first use in English of many agricultural and horticultural terms. He trusts that in these directions it will render suffcient aid to the philologist, in pursuing his interesting investigations, to justify the labour and expense which have been bestowed upon it.

## GRAMMATICAL NOTICES.

I would first venture a remark on the great variety of the spelling. It is not only that the present participle is written sometimes with an $i$, sometimes with a $y$, sometimes with a final $e$, sometimes without it; that the past participle sometimes has the $i$ or $y$ prefixed, though oftener not; that the infinitive appears now with the suffix en or ene, and now without it: but the same word, without any apparent reason, is represented in every possible variety of form. Thus in the compass of a few pages the word air is spelt in four different ways : e.g. we have 1, aier ; 2, aire; 3, ayer; 4, eire ; and the common adverb well appears in $13 / 334$ as wele, and in the same page as weel, whilst in other places, as 195/282, it is wel. There is the same want of uniformity in many other words; and such queer spellings as auntceaunt for ancient, and medessyng for medicine, do not point to any clearly defined rules for the guidance of writers of that period. Most of the MSS. of the time are equally obnoxious to the same charge ; and it is hardly reasonable to suppose that there was an abrupt descent into this confusion from an age of greater uniformity. It therefore appears to me that clever men are building their ingenious theories on a rather unsafe and uncertain foundation, when they make them to depend on the presence or absence of the final $e$ in early MSS. In the grammatical forms which follow, I make no attempt to systematize or account for them. I simply lay before the reader some of the more prominent, and leave to others the task of applying them to scientific use.

## The Plural of Nouns Substantive

agrees, in the great majority of instances, with modern usage, ending in $s$ or es: but remains of the old plural in $n$ are not wanting, not only in housen, and oxen and exon, but the following also occur :

Treen, for trees, $4 / 86 . \quad$ Boon, for bones, 58/394.
Cleen, for claws, $34 / 937$. Kyen, for cows, 130/707.
Foon, for foes, 139/964. Stren, for straws, 74/362.
Been, for bees, 138/953. Een, for eyes, 105/25; and 129/677.
Fleen, for fleas, $34 / 915$. Toon, for toes, 188/49.
There are some few instances of plurals in $y s$, e.g. :
Wormys, for worms, 138/945. Marys, for mares, 132/779.
Bonys, for bones, 213/170. Malys, for males, 134/821.
Hillys, for hills, 213/181.
Traces of a still older plural are to be noticed in
Eldron, for elders, 26/714.
Eyon, for eyes, 80/552.
Eyron, for eggs, 22/582.
Lamber and lambron, for lambs, 145/154, and following.
Peson, for peas, 106/68, will not appear extraordinary to readers of Tusser ; but in 149/8 we find also peses, pese being the singular. Foot in the plural occurs regularly in its modern form feet, but when it signifies a measure of length, it is for the most part written footes, e.g. 210/87. There are some rare examples of the plural in $e$ : I can only call to mind kynde, 13/335; stede $=$ places in 183/127; and pigge in 100/1086.

## Inflexion of Nouns Substantive.

The genitive singular ends most frequently in es, or sonly, as :
Hienes skynne $=$ Hiena's skin, 180/43.
Strengthes qualitee=quality of strength, 33/786.
Generacions libertee $=$ liberty of generation, 130/724.
Cannys knottes=knots of cane, 123/542.
This trees feet and legges=this tree's feet, etc., 88/750.
Oon dayes while=the duration of a day, 201/389.

The genitive plural is also formed by adding $s$ or es, e.g.
Myrtes bayes = berries of myrtles, 59/414.
Vynes rootes $=$ roots of vines, 101/114.
Swynes dounge, 92/860.
Greynes names=names of grains, $9 / 232$.
But the preposition of, as in Modern English, is much more commonly used instead of the genitive, both singular and plural, as "part of our laboure," $1 / 14$; " preef of holsom air," $2 / 34$; "dyvers kynde of treen," $13 / 336$.

Numerous instances occur in which the preposition is omitted. It may be worth while to specify a few of them :

Every maner pere, 88/177.
A potful hony, 95/968.
Every syde it, 105/34.
An acre lande, 106/56.
This maner drove, 134/826.
A sester old wyne, 145/146.
A strike floure, 205/520.

Sycomore a certayne, 185/185.
This wyne the fourthe part, 202/428.
A conge wyne=oongius of wine, 203/453.
Two sester hony, 205/514.
A galon muste, 205/519.

I am unable to produce instances of any other case; unless Summer and Winter, in $13 / 328$ and 9 , and alibi, are to be considered as ablatives. I have looked for datives differing in form from the accusative, but I cannot find any that I should like to vouch for. For instance, though "in hoot lande," 124/573, "in bareine lande," $7 / 169$, seem to have a dative $e$, when compared with "Yf that thi land," $9 / 220$, yet other instances like "The lande is goode," $5 / 110$; "the lande . . is efte to plowe, $164 / 2$; "deep land also thai seke," $8 / 193$; "oute of that land," $8 / 194$, prevent one's giving any inflexional value to the final $e$.

## Adjectives

present fewer variations from modern usage. I speak, of course, of those occurring in this translation. The adjective more frequently has the final $e$ than not, whether it be definite or indefinite; in the
plural the occurrence of the $e$ is more uniform. I will first produce examples, carefully verified, of its indiscriminate use.
"This fals humour let goode water oute trie" (180/40).
"Kest it so thyne wyne amonge," i.e. thin wine (200/382).
"Yf me shall hoote water sprynge" (143/95).
"In reed (=red), and hoore, and blake unvariable, Of hem the reed is best, the hoor is able" (14/354-5).
"The landes fatte, or lene, or thicke, or rare, Or drie or moiste" (5/100).
But even in the plural there are exceptions, e.g. :
"In places colde and moist" ( $10 / 243$ ).
"Mystes derk" (2/30).
"In places moist" (84/646).
"Ther swymmeth seeke, \& hool adowne wol hie" (216/264).
The possessive pronoun almost invariably has the final $e$ : thaire browes, 135/867; thaire hornes, 134/830; thaire landes, 181/55; but this does not apply to his nor to her for "their"; and thin for "thy" is frequently used without the $e$, as in $3 / 56$, "No doubte is in thi water nor thin aire."

There is one instance of an adjective declined with es in the plural, "Of children clennes in virginitee," $9 / 229$.

If " myres," $35 / 966$, be an adjective, it is worth notice ; but I incline to think it is a substantive in the genitive singular.

Such adjectives as "eschewe" for to eschew, or to be eschewed, are not of infrequent occurrence, 20/528; 125/586.

## Degrees of Comparison

are formed by er for the comparative, and est for the superlative, whatever may be the number of syllables: thus, we have not only sweeter, sweetest, and rather, rathest ; but also
diligenter, for more diligent, 119/435,
lonnyngest, for most skilful, 151/63,
fertilest, for most fertile, 101/1136,
lattest, 14/364,
and the old comparative herre, for higher, occurs 77/445.
We have the usual irregular comparatives and superlatives, e.g.
better, best; worse, worst; more, most ; less, least, etc. : "better" often assumes the form "bette," as " more" does that of "mo," or " moo."
"This Feveryere and Marche is for hem bette" (97/1011).
"The bitterest erthe and werst that thou canst thinke " (4/81).
Forme occurs (60/447) in its old sense of first (A.S. forma), and the double superlative formest (which we now write foremost, as if from fore and most), appears in $72 / 317$, and again in 190/93.

There is a peculiar use of the adjectives great, small, etc., which is worthy of attention. "Bushell greete" is an example; but the instances are so numerous that it is easy to adduce others, thus:
"The graffes to be litel finger grete" (74/379).
"A finger greet is rounde ynough to sette" (85/673).
"'The chanels fynger grete thou most espie" ( $155 / 187$ ).
"And therupon doo stones handfull grete" (155/181).
"Grynde it pouder small" (169/149).
"Til it be hony fatte and thicke iche dele" (205/516).
"And stere it until hony thick it renne" (185/189).
Similar to these are "water tempered" (215/232), and " dounge ywette" (191/122) ; though they may be regarded as no more than ordinary compound words to be joined by a hyphen, like "sonne ydried," in 185/170 ; but "ox dounge ennoynte," three lines above, does not so easily reconcile itself to our notions; and we meet with other similar expressions quite as strange.

## Pronouns.

The Pronoun of the first person is uniformly $I$ or $Y$ in the singular, and we or wee in the plural. The genitive, I believe, does not occur. The dative me is very common preceding impersonal verbs, as me thynketh, me lysteth, etc. The pronominal accusative me is to be carefully distinguished from the indefinite me, meaning one or men, and used in the nominative, e.g. "me moost " $(1 / 2)=0$ ne must. Us in the dative plural is to be remarked in such phrases as, "Us is to write," $1 / 8$, etc.

The Pronoun of the second person is thou, or thowe, in the singular, and in the plural ye. I am unable to produce an instance of the
genitive. The dative the or thee is common enough with impersonals, e.g. "What the liketh" $(48 / 113)$. The most usual form of the accusative is the, but we meet thee also.

The Pronouns of the third person are he, she, and it, or $y t$, or hit, or hyt. The dative and accusative of he are him or hym; of she most frequently hir, e.g. "Yf he bite hir in his rage" (136/882).

The plural of the third person is thai, thay, or thei, gen. her, or $e r$, or here. Dative and accusative very generally hem, but we do meet with thayme, e.g. 92/875: "Thayme that are of gentilnesse." It may be remarked here that self and selve are joined indifferently to singular and plural : thus, in $1 / 4$, hemself三themselves; in $3 / 64$, itselve $=$ itself. In $5 / 117$, we have hemself again=themselves ; and in $94 / 931$, himselve=himself.

The possessive pronouns are mi, my, min, myne; and in the plural oure, ower.

For the second person, thi, thy, thin, thine; and in the plural youre; and for the third person his or hys for neuter as well as masculine, and her, hir, hire, for the feminine; in the plural thaire, thayre, theire, her, here. In 135/867, her and thaire occur in the same line:
"Thaire browes hoore, her tempils holgh unevon."

## Demonstrative Pronouns.

The is without inflexion, singular and plural.
This admits no variation in the singular ; but in the plural we have thees, $3 / 43$; this, $30 / 801$; 104/6; thoo, 68/194. But thoo would seem rather to be the plural of that.

Professor Child (see Ellis's Early English Pronunciation, pp. 354, et seq.) has noticed the frequent use in Chaucer of this instead of the definite article. It is very common, also, in our author. I will produce a few examples.

> "And in is kest
> This opium Quyrynaike" (101/1139),
which had not been mentioned before.

> "Nowe pulverised be this vynes yonge" (106/71).

The first mention of vines here. In like circumstances,
"Noo man spare
This goldes outher rabes forto sowe" (110/173).
In
"This gourdes in this Moone also beth sowe" (114/280),
"This Mules for to make who so delite" (136/870),
where nothing had before been said about mules. See also 38/1044.
It occurs frequently in the form hit, e.g. 29/780, 37/1011. The possessive form is his, as in 29/773:
"That it may in itself his moisture kepe."

## The Relative.

"Who" is of all genders, as "Seedes who descende," 112/220, and that not only in the nominative, but also in the genitive, and other cases, and in both numbers ; e.g.
" Whoos seede in moolde if that me delve" (82/584).
"The vyne and fruyt, and place in whom thai growe" (6/128).
"Eke places unto whome from hilles sonder" (49/145).
" As hony me may kepe it in a stene,
In stede of whome in metes it demene" (205/501).
That occurs most frequently as a relative. Sometimes it is used for he who, e.g.
"That" (i.e. he that) "robeth hem well worthi go to hell is" (196/271).
"And that" (i.e. that which) "was cut of, close it after clene" (127/655).

## Adverbs.

We refer to the Glossary for a goodly number of rare and interesting adverbs; not only the original form of the ordinary adverb in ly; e.g. joyfulliche, 215/222, and iliche $=$ equally, $7 / 167$, and such specimens as pitchelonges, 150/42, afterlonges, 66/139, allyng, 208/42, etc., etc.; but the following are also noteworthy: by and $b y=$ now and then; and nowe and nowe, used much in the same sense. Eft and eft=again and again; to and to=regularly, in course ; from nowe forth=henceforth; atte alle=altogether, omnino, see $77 / 463$; therayeine $=0$ on the other hand; amonge $=$ in the meantime, $105 / 29$; so or $s o 0=$ as the case may be, $155 / 166$; every
amonge $=$ every now and then, 105/29. The interjection wellesay occurs, $167 / 91$, but I have not been able to meet with it elsewhere. It is hardly necessary to mention the numerals ones, twies, thries.

The ordinary comparison is by the suffixes er, and est.

## Verbs.

All the persons of the verb in the plural number end most frequently in $t h$, in the present indicative, and the imperative. As was to be expected from the nature of the subject, we have not many preterites; but in $79 / 500$, instead of the strong form grew, we meet with growed. The third singular subjunctive is of most frequent occurrence, e.g. 149/4 :
"Untouched nowe the Tilman let hem growe."
And let, do, make, with an infinitive active, like the French laisser, and the German lassen, are very frequent. We have repeated instances of the infinitive in en, as kepen, slen, doon; but the omission of the en or $n$ is much more frequent, as, to sle, to kepe, to do. Sometimes the two forms occur in the same line, e.g. :
"What is to rere or doon in everything" ( $1 / 11$ ).
The following are examples of to omitted before the infinitive:
"Suffice it the there as thowe casteth dwelle" (9/234).
"Thai loveth derk Septentrion beholde" (217/279).
" When he his gemmy tail begynneth splay" (23/625).
"And right as hennes heel her maladie Is goode" (25/686)
"Barly and whete \& sengul sedes owe VIII daies floure," i.e. ought to flower (149/6).
"The plaunte in yeres two wol gynne grone" (216/255).
"And after suffre thay the sonne it drie" (158/8).
"And yf the tree begynne seke," i.e. to sicken (193/177).
On the contrary, to is often redundant before the imperative, e.g. :
"Oonly the litel feet to cleme in cley" (92/888).
In the following passage we have both the redundant as and the to before the imperative :
"Lowe on the truncke as wounde him in the rynde,
A lite humoure whenne oute of it is ronne,
With chaved cley the wounde ayein to bynde" (212/141-3).

## Participles.

Those of the present tense all end in ing or $y n g$, as bering, 4/7, havyng, 38/1038. The following are various instances of the past participle: taken, $1 / 1$; overtake, $8 / 2$; fonde, $2 / 3$; brought, $6 / 2$; hidde, $7 / 2$; overgrowe, $9 / 220$; forferde, 109/160 ; spende, 105/40; turne, $45 / 26$; gonnen, $159 / 23$; eete $=$ eaten, $123 / 553$; bende $=$ bent ; sprad, $31 / 135$; letted=hindred, $105 / 31$; holde from verb held, lest=lost; taked=having taken, 83/630; wende, $93 / 902$; sayen $=$ seen, $93 / 907$; unrende, 104/9; stolon, 113/269; umvironne, 13/334; sene, 122/520; heede=hidden, 111/199; wrion=covered, 171/11; rope=reaped, 183/127.

The following occur with the prefix $i$ or $y$ : ywonden, 115/314; ygrounde, 15/400; ychaunged, 21/566; ywesh=washed, 27/762; ymeddled, 28/763; ypitte=put, 41/1119; Ysowe=sowed, passim; Idolve $=$ delved, Itaught $=$ taught, $81 / 570 ;$ ywronge $=$ squeezed, 90/814; iholde, 250/48; ycalled, 93/921: ydoon, 70/259; ydoo, 75/405.

## Negatives.

Two in the same sentence strengthen the negation, according to the usual rule, as "ne" and "not."
"So that they ne touche not" ( $89 / 804$ ).
The negative verbs nath =has not, na=have not, nys=is not, nare $=$ are not, nass= was not, nylle=will not, nolde=would not, have frequently, but not always, another negative adding emphasis, e.g.
"The frostes $n a$ noo dominacion" (188/41).
"And naked cley nys nought" (77/450).

## Nominative Absolute.

Numerous instances might be produced; the following will suffice:
"This flooring wol be black and wynter warme
And, lycoure shedde, anoon it wol up drie ${ }^{1}(13 / 344-5)$.
"Sprad the winges outte, sette up an oule ${ }^{2}{ }^{2}(31 / 835)$.

[^0]"The eorse idelve in grounde, the rootes wol abounde " ${ }^{1}(73 / 336)$.
"Men graffe hem nowe, thaire graffes buddes ungrowe" ${ }^{2}$ (98/1046).
"This doon, is other thinges for to doo"3 (27/736).

## Peculiar Order of Words.

Professor Child (in Ellis's E. E. Pron. p. 375) has collected several instances from Chaucer, but none more peculiar than some of these in our author :
"Coloured, stonde not on to besily to se thi lande" $(4 / 71)$; i.e. stand not too much on seeing thy land high coloured.
"Yit if that he Vulturnus oversette a vyne in heete or other blastes lette" $(6 / 144)$; i.e. if he let the N.E. or other blastes overset a vine.
"The pament under thorled and suspense, bete under fyre" (19/500) ; i.e. make a fire under the hollow pavement.
"The lupinge is noo wedyng on to spende" $(46 / 71)$; i.e. no weeding is to be expended on the lupine.
"The vynes roote umwried be fayne wolde" (171/7) ; i.e. would fain be covered.
"This moone is good, to make in, pastyning" $(46 / 71)$; i.e. in this month it is goad to do pastining.
"The galle, is boote to touche hem with, of neutes grene" (92/865); i.e. it is good to touch them with a green newt's gall.
"Other with noo holde" (130/715) ; i.e. hold with no other.
"A fressh potte on hem sevred pitcheth ynne" (127/657) ; i.e. put them in separately on a fresh pot.
"A comune busshell greet circumferent, one of thi worchers falle" (151/60) ; i.e. let one of thy workmen fall the tree when it is as large round as a common bushel.

## Dissyllables Pronounged as Monosyllables.

Thorowe, $90 / 814$; over, $92 / 879$; sayen, $92 / 884$; cometh, and several verbs of the third singular, $97 / 1019$ (as so often in Chaucer, etc.) ; forowe, 105/41; theroute=sub divo passim ; eree to plough, $62 / 40$; and ayenie is pronounced as a dissyllable.

[^1]
## TRANSLATION

of

## PALLADIUS ON HUSBONDRIE.

## BOOK THE FIRST.

[Most of the final letters $n, t, h$, and some $e$ 's, have a curl or flourish over them; these are judged not to be marks of contraction, and are disregarded.]

De preceptis rei rustice. 1.

Consideraunce is taken atte prudence What mon me moost enforme: and husbondrie No rethorick doo teche or eloquence ;
4 As sum have doon hemself to magnifie. What com therof? That wyse men folie Her wordes helde. Yit other thus to blame We styntte, in cas men doo by us the same.

## 2.

8 Us is to write tillinge of everie londe, With Goddes grace, eke pasture and housyng; For husbondry how water shal be fonde; What is to rere ${ }^{1}$ or doon in everything,
12 Plesaunce and fruyte the tilier to bring As season wol; his appultreen ${ }^{2}$ what houre Is best to set is part of our laboure.

[^2]De iiiior rebus quibus agricultura consistit.
3.

The four points of husbandry : water, air, land, andmanagement.

The air must be clear and wholesome; the water too.

The land fertile and well situate.

Goodairisknown by countrymen's cheeks, clear wits, and unim. peded sight.

The water must not be brought from puddles or marshes.

In thinges imir alle husbondrie mot stande:
16 In water, aier, in lande, and gouvernance. And iII the first, as water, aier, and lande Beth natural, the imirth is of plesaunce And crafte of men; but this consideraunce
20 Is first to seen, how thyng is of nature In places there thou wilt have the culture. 4.

And first beholde aboute and se thin aire, Yf it be clere and hole stand out of fere;
24 The Water eke beholde yf it be faire, Hoolsum, and light, and eyther springing there Or elles thider brought from elles where, Or that it come of rayne; eke se thi lande
28 Be bering, ${ }^{1}$ and commodiously stande.
De aieris probacione.
5.

Good ayer is there as dales deep are noon, And mystes derk noo dayes maketh nyght; The contreemen coloured well ichone,
32 Thaire wittes clere and unoffended sight, Her voices faire, her herynge pure and light. All this is preef of holsum aire and clene, And there as is contraier is aire unclene.

## De acquâ probandâ.

6. 

36 The water out of gayseyn or of myer ${ }^{2}$ Be it not brought, nor out of metal synke, That it be freshe coloured first desire,

[^3]Not poury, ${ }^{1}$ but plesaunt and good to drinke,
40 And smell also therto in cas it stynke;
If it be coole in heete and luke ${ }^{2}$ in colde, The better may thowe with that water holde.
7.

Yit although thees in water faire appere, 44 An hidde defaicte is sumtyme in nature Under covert, and therof thus thowe lere:
Yf contreymen in likyng hele endure,

Learn if the countrymen are well-liking, their heads good, cheeks clean, lungs long-winded.

The lung-woe comes of bad air ; the stomach also is overtaken by it. See if the dwellers in that place have aches in their stomachs, sides, reins, or bladders.

And if thoue see the people sounde and faire,
56 No doubt is in thy water nor thin aire.
De electione terre. 9.

Ffecunditee thowe see thus in thi lande:
See not the swerd ${ }^{3}$ all naked, white, unclene, All chalk ${ }^{4}$ or gravel groissyng in thi hande
60 Withouten moolde ${ }^{5}$ admixt, nor sandy ${ }^{6}$ lene,

Let not the sward be bare or white, nor chalk, nor gravel unmixed with mould, and let there no salt ragstone, or hard deep vales. Nor hongrie elay, ${ }^{7}$ nor stones ful iche rene, To ronke aud weete, yolgh, bitter, salt ragstone, ${ }^{8}$ Valeyes herde and depe eke be ther noon.

$$
10 .
$$

64 A roten swerd and welny blaake, it selve
A rotten sward, almost black, self-covered with grass, and toughly adhering again Suffysing wel with graas ${ }^{9}$ to ouerwrie, And tough to glue ayein though thowe it delve,
${ }^{1}$ moddy. ${ }^{2}$ tepida. $\quad{ }^{3}$ glebam. ${ }^{4}$ creta. $\quad{ }^{5}$ terreno.
${ }^{6}$ Vel sabulo. $\quad{ }^{7}$ glarea. $\quad 8$ tophus. $\quad{ }^{9}$ gramine.
when dug, its fruit not seabby nor dry, bearing walwort, rushes, reeds, grass, clover, wild plums and briars, is good.

Thy land need not be coloured, but fat and sweet. Take a elod, and wet it with good water, and see if it be tough and gluey; or dig a hole, and if the earth will not all go in again, it is fruitful.

To choose sweet land, take an earthern pot, give it drink in sweet water, and so judge.
For vines you must take care the land be loose
in body and colour, the trees thereon light, fair, and long.

Let there be no pools, but let it lengthen out into a goodly plain.

If it be hilly, storms will assail it. Choose a plain in the mean.

The fruit of it not scabby, rosted drie,
68 With walwort that goode lande wol signifie.
With ryshes, reede, graas, trefoil, plummes wilde, And briers fatte also goo it with childe.
11.

Coloured stonde not on to besily
72 To see thi lande; but rather fatte and swete; To preve it fatte, a clodde avisely To take, and with gode water weel it wete, And loke if it be glewy, tough to trete;
76 Or make a dyche, and yf the moolde abounde And wol not in agayn, it is fecounde. 12.

Yf it be lene, it goeth all in and more, Yf it be meene, ${ }^{1}$ it wol be with the brinke.
80 But for to take it swete, ataste alore The bitterest erthe and werst that thou canst thinke; An earthen potte thou take and yeve it drinke In water swete, and theruppon thou deme.
84 Ffor vynes land to chees eke must thou yeme, ${ }^{2}$
13.

In coors ${ }^{3}$ and in colour solute and rare, The treen ${ }^{4}$ thereon light, fertile, fair, and lange, As peres wilde, as plummes boshes are,
88 Not croked, lene, or seke, but hole and strange ; Ne pulle ${ }^{5}$ it not, but goodly plaine elonge, ${ }^{6}$ Ne pitche it not to sore into the vale, Nor breke it not all doun aboute a dale.

## 14.

92 Tempest, yf it be hilly, must assaille; An even feelde thou chese, and in the mene, Thater by the cleef awaie travaille;

[^4]Or hille or dale in mesure thou demene.
96 But se thin eyre be faire and land unlene, ${ }^{1}$ An higher hille the wynd that wolde offende Must holde of, but yf woddes the defende.
15.

The landes fatte or lene, or thicke or rare,
100 Or drie, or moiste, and not withouten vice,
Ffor divers seede yit thay right needful are;
But chese the fatte and moyste is myne avyse.
Her werk is leest, and fruyt is moost of price.
104 And after it the thicke and ronke is best:
But thicke and drie espy, and grannt it rest.
16.

Ayer, water, lande considered in nature, Nowe se the crafte;-the crafte is gouvernance;
108 Nowe every worde and sentence hath greet cure;
The lord present his feelde may best avaunce.

A high hill must keep off offensive winds, unless woods protect you from it.

Soils not without defects are good for divers seeds. I advise to choose the fat and moist ; they require least labour and bear the best fruit. The next best is the thick and rank; but let the thick and dry land alone.

Now for good management. The master's presence benefits his fields. Regard not the hue of land.

The lande is goode, the colour nought perchaunce;
Therefore in hewe doo thou noo diligence,
112 ffor god by his plesaunce alle will dispence.
17.

The graffe and grayne is goode, but after preef
Thou sowe or graffe, and seedes newe eschewe
To sowe or sette, and trust in thair bonchief.
116 Oute of thaire kynde eke scedes wol renewe
And change hemself, as writeth clercs trewe,
In places weete all rather then in drie.
ffor vynes nowe, apointe of husbondrie.
18.

120 Northwarde in places hote, in places colde
Southward, and temporannt in Est and West;
Yet of tylling is dyvers reson holde;
But chuse of thi province I holde it best.
Sow and graft after trial. Avoid new seeds. Seeds will change their nature.

Plant vines towards the north in hot places.

Follow the ways of the place.

Let the younger obey their elders.

Vines cut early will produce many branches; if late, many grapes.

Change them from poor land to good, if you can.

After a good vintage cut them close. Do not spare the knife.

If the plough fail, use the spade.

It is of no use to set a vine in hot, dry places. But if wind overthrow or burn your vine, you may cover it with straw.

Cut off the barren branch. Avoid barren and dung. ed land for young vines.

That yonger men obeye unto thaire eldron In gouvernynge, as goode and buxom childron.
19.

To kytte a vyne is thinges iij to attende:
128 The vyne, and fruyt, and place in whom thai growe. Of erly kytting braunches fele ascende, Of late kyttyng cometh grapes right enowe. From feble lande eke chaunge hem yf thou mowe:
132 For man and tree from feble lande to goode Who can and wol not chaunge I holde him woode. 20.

And kytte ${ }^{1}$ hem streyt after thi goode vindage, ${ }^{2}$ And grapes fewe and badde, thou kytte hem large.
136 Thyn yrons kepe in harde and sharpe usage
For graffyng and for kytting I the charge,
And doo thi dede, or flour or germ enlarge,
And yf the plough mys doo, the spade amende,
140 In landes drie and hoote noo vyne extende.
21.

In places hoote, in places over drie
It is noo boote his vyne a man to sette,
There as for heete he must hem over wrie; ${ }^{3}$
144 Yet if that he Vulturnus oversette
A ryne in heete or other blastes lette,
Or brenne a vyne, in stre or other thynge
To covert here is holsom husbondynge.
22.

148 The bareyne braunche, if ronke and greene it be,
Right by lette kytte him of as mortal foo
Of alle thi tree; but barenne lande thou flee
As pestilence ; in donged londe also
152 To sowe in vynes younge as do not so ;
${ }^{1}$ puta. $\quad 2$ vindimiam. $\quad 3$ operire.

Yit Grekes seyen that after yeres thre
Save Wortes, sowe in hem what ever it be.

## 23.

Iche herbe also thai sayen it is to sowe,
156 In landes drie, outtake of hem the bene;
The bene in landes weete is best to throwe;
And sette not oute thi landes fate or lene
To him whoos lande adjoyneth on thi rene;
160 For harme and stryffe of that upon thi self May ryse, ye and perchaunce the overwhelve.
24.

Tylle all thi felde, or all thy felde is lorne;
Thi whete, a wonder, chaunging, thries sowe,
164 In lande to fatte, wol tourne into other corne,
And rie of whete ysowen wol up growe,
As thay that are expert in tilling knowe.
Iliche fre fro thinges thre thowe twynne,
168 Sterilitee, infirmitee, and synne.
25.

In bareine lande to sette or foster vynes
Dispiseth alle the labour and expence.
In feldes more, ${ }^{1}$ in hilles nobler, wyne is;
172 Abundaunt wyne the north wynde wol dispence
To vynes sette agayne his influence;
The sotheren wynde enspireth better wyne.
Nowe moche or noble chees; the choys is thyne.

## 26.

176 Necessitee nath never haliday:
Take hede on that, and feldes temporate
All though it be goode sowyng, yit alway,
Or long yf it be drie in oon astate,
180 Let sowe it forth, and god it fortunate;

Plant anything but colewort amorg vincs.

Plant all herbs, except beans, in a dry soil. Let not your land to the owner of the adjoining property.

Till the whole field. Wheat, sown thrice in rich land, will turn to other corn.

It is lost labour to set vines in barren land. In fields you get more wine, but in hills better. The north also dispenses abundance, the south better quality.

Necessity has no holiday, and though it is good tosow fields when ingood condition, yet if it continue dry overlong, delay not to sow. Keep the paths clean.

A field must be well tilled to requite the expense. Take in hand no more than you can sustain. Take away black vines. Do not eut the green and tender. Long stakes desirable.

Turn away the cutting, so that it does not drop on the grape, and anoint the branches cut. Great olives, with poor watery fruit not worth the cost of the labor, grow out of deep land.

Olives love luke. warm air and temperate winds; and vines by process may be brought to a beight, but not more than four feet in poor land and seven feet in rich land.

And yf thi wey be foule, it is dampnable, And neither plesaunt, neither profitable.
27.

To tille a felde man must have diligence, 184 And balk it not; but eree it upbe bydene. A litel tilled weel wol quyte expence, So take on hande as thou may wele sustene. The vynes blake awaie thowe take, eke greene 188 And tender vynes kytte are therby shent, And stakes longe are vynes increment.
28.

Twine every kirf aweywarde from the grape;
Lest dropping doo it harme, ennointeth eke
192 The braunches kitte, and up thay faste escape
Alle fatte and sadde: deep land also thai seke, Olyves greet oute of that land wol reke With drafty, wattry fruyte and late and lite
196 Unsuffisaunt the costes for to quyte.
29.

Luke ayer and tempre wynde olyves love, And vynes, that upon the hilles stande, By processe may be brought to thair above, 200 Yit not but fotes inir in feble land; And seven foote in fatte up may they stande. Eke as the grape is grene and wol not shake, Up bind it softe, and it is undertake.
30.

Do not tie your vine always in the same place. If not dug close it will hurt the vintage. Two feet deep enough for corn, double for trees. A new vine is improved by diligence as much as it goes back by negligence.
31.

And take on hande in husbonding thi lande
212 As thowe may bere in maner and mesure; War arrogaunce in takyng thing in hande; For after pride in scorne thou maist assure. And elder then oon yere noo grayne in ure
216 Thowe putte, in drede it die; yit hilles yelde is Wel gretter grayne and fewer than in feldys.

## 32.

In springing of the moone is best to sowe In daies warm ; and, treen unprofitable-
220 Yf that thi land with hem be overgrowe, Devide it thus;-that fatte and bering able ${ }^{1}$
Let eree it up, and leve the lene unable ${ }^{2}$
Covert in wode; yit wol this, with travaille
224 And brennyng it, thi fatte lande countervaille.
33.

But when it is so brent by yeres fyve,
As nygh it not, ${ }^{3}$ and after shalt thou se That is as fatter lande wol crece ${ }^{4}$ and thrive.
228 Tholyve, as Grekes sayen, shall planted be
Of children elennes in virginitee, Perchance in remembraunce that tholyve tree Ys p'mynent to virgyne chastitee.

$$
34 .
$$

232 The greynes names is noo nede to telle, Nor after tyme and places how thai chaunge ; Suffice it the there as thow casteth dwelle, To see the countrey seed, and seed estraunge,
236 Preve eke the unpreved grene afore eschaunge; Lupyne and fetches sleyn, and on thaire roote Up dried, are as dounging landes boote.

Beware of arrogance, and do not take in hand more than you can manage. Use no grain more than a year old.

At new moon on warm days is best to sow. Plow up the rich fat land, but leave the poor land covered with trees. Yet this well worked and burnt will countervail your good land.

After burning let the land lie idle five years. Greek notions with respect to the olive.

There is no need to give the names of grains, nor their varieties. Wherever you choose to dwell see the seed of the country, and make no change without trial. Lupines and vetches cut down and dried are good manure.

[^5]35.

Uncut they drink the moisture of the land. In hot and dry places work early on your vines; in cold, moist, and shady places, do not hasten.

When it is time to till, it is not too early or too late fifteen days before or after. Open land inclining to the sun is best for corn, and for wheat if it be be marly, thick, and somewhat wet.

Barley likes loose, dry earth. Three month sowing is to be confined to cold places where the the land is wet in summer.

Three-month seed to be sown in autumn in cold lands. If you want trees or grain to grow in salt land, you must plant or sow immediately upon autumn, that winter may drive off the vice of that land.

And lette hem drie unsleyne, and up thai drinke
240 The landes juce: ${ }^{1}$ in place eke hoote and drie, In champeync eke, and nygh the sees brynke Betyme upon thi werk in vynes hie; In places colde and moist, or shade and hie
244 Have thou noo haste, and this to kepe in houres Aswell as moneth or dayes, thync honoure is.
36.

And tilling, when the tyme is it to doo, Is not to rathe yf daies thries fyve ${ }^{2}$
248 It do prevent, and not to late also
As for as long; ${ }^{3}$ eke cornes best wol thryve In open lande solute acclyned blyre
Uppon the sonne, and lande is best for whete 252 If it be marly, ${ }^{4}$ thicke, and sumdele wete.
37.

And barly lande is goode solute and drie, That manner molde hath barly in delite, In cley lande yf men sowe it, it wol dic.
256 Trymenstre ${ }^{5}$ sedness ${ }^{6}$ eke is to respite To places colde of winter snowes white, There as the lande is weete in somer season;-
Aud other wey to wirche is counter reason.
38.

260 Trymestre seede in hervest for to sowe
In lande colde is best, and yf the need ${ }^{7}$
In landes salt that treen or greynes growe, Thou must anoon on hervest plante or sede, 264 The malice of that lande and cause of drede That wynter with his shoures may of dryve, Yit must it have an other thing to thryve.
39.

Sum gravel or sum water lande easte under
Put some gravel or river-soil under it, or common mould. Stones will be hot in summer, and cold in winter, and will injure vines or grain.
268 If thou it plannte, and yf thou wolt it sede A comune molde among it part asonder, And alle the better wol thi werkes spede. The stones on thi lande is for to drede;
272 For thai be somer hoote and winter colde, That vyne, and greyne, and tree distempre wolde.

## 40.

The land aboute a roote is to be moved
Theground about trees is to be thoroughly ehanged, and new
All upsodoune, and fleykes ${ }^{1}$ shal we take mould and dung
276 Of dounge and moolde, and first be moolde admoved And after dounge. Ap'mynent to make Upon thi felde, hym nil ${ }^{2}$ I undertake That is thi dere entere : and whi? For, he 280 Wol wene his werke be wele, hou soever it be.
41.

To chese or bey a felde consider this, That his nature and his fecunditie
Be not fordoon. In housbonding is mysse,
284 Unhusbondyng undooth fertilitee.
Yet pose ${ }^{3}$ I that it myght amended be.
The surer is to trust in thinges sure;
The hoole is save, the hurt is for to cure.
42.

288 Yit as for seede, it may wel been amended;
It is very difficult to undo the mischief arising from bad seed, though credit may be gained by the size of the vines thus reared.
292 And fewe or feble grapes in the same Have growe. A grete laboure is to correcte A molde in this maner that is enfecte.

[^6]43.

Let the land face the southandeast where it is eold, and let not the sun be kept off by hills. In hot regions choose the north.

See that the water be good where you dwell. It is not safe to live near a marsh, especially if (the south) and west winds dry and harden it.

Let your house be in proportion to your income, and let it stand rather high, so as to be eheerful, firm, and dry.

Let the foundation extend half a foot beyond the wall ; but see whether it be on rag-stone or rock or on clay.

Thy landes is thus to cheese in costes colde;
296 On south and este se that it faire enclyne, And that noone hille the sonne out from it holde, But from the colde Septemptrion declyne, And from northwest there chylling sonnes shyne. 300 In coostes hoote Septemtrion thou take, Ther fruyte and high plesaunce and helthes wake.
44.

And se the floode be goode ther thou will duelle;
For ofte of it exaleth myst impure:
304 And fle ther from, in caas it myght the quelle.
By myre also to dwelle it is not sure, And namely and West that drie ${ }^{1}$ and dure
In season hoote, for causes pestilent
308 Engendring there, and wormes violent.
45.

Thyne house as wol thi fortune and thi felde
Lete make it up in crafte and in mesure, It to repaire as may thi lande foryelde,
312 Demened so that yf mysseaventure Fordo thin house, a year or two reeure ${ }^{2}$ It at the mest, and sette it sumdele hie, For gladsum and for sadder ground and drie.
46.

316 The fundament enlarge it half a foote
Outwith ${ }^{3}$ the wough, but first the grounde assay
If it be ragge or roche; on it thou foote ${ }^{4}$
In depth a foote or two ; but uppon clay
320 If thou wilt bilde an other is the array; -
Let delve and cast it up until thou fynde
It herde and hoole, and tough itself to bynde.
arent et indurant verbum.
${ }^{3}$ extra parietem.

[^7]${ }^{4}$ fundare.
47.

With orchard, and with gardeyne, or with mede, 324 Se that thyne hous with hem be umviroune, The side in longe upon the south thou sprede, The cornel ryse upon the wynter sonne, And gire it from the cold West yf thou conne, 328 Thus shall thyne hous be wynter warm and light, And somer colde, and lo this crafte is light.
48.

Eke fourme it so that faire it stande yfere; The wynter wones ${ }^{1}$ on the sonny side
332 There Phebus with his bemes may it chere, And tymber stronge enlace it for to abyde, Eke pave or floore it wele in somer tyde, But tymber not thyne hous with dyvers kynde 336 Of treen, as ashe and birche, and ooke, and lynde.
49.

The mapul, ${ }^{2}$ ooke, and assche ${ }^{3}$ endureth longe In floryng yf thou ferne it weele, ${ }^{4}$ er chave, ${ }^{5}$ That in the tree the morter doo noo wronge. ${ }^{6}$ 340 Oon parte of lyme and tweyne of robell have, Sex fyngre thicke a floore therof thou pave With lyme and asshes mixt with cole and sande, A flake above in thiknesse of thyne hande.

$$
50 .
$$

344 This flooring wol be blak and wynter warme, And lycoure shedde, anoon it wol up drie, But, lest the sonne in somer doo the harme, Thy somer hous northest and west thou wrie, ${ }^{7}$ 348 With marble or with tyle thi flooryng wrie, ${ }^{8}$ Or thus thou maist thi wynter flooryng take, Or lyme or gravel mynge and therof make.

Let an orchard, garden, or meadow environ your house. Let the front in its whole length look to the south, its corncr to the east.

The form of the house, and the arrangement of the rooms(wones) for summer and winter, The floor must not be made of various woods.

Fern or chaff will prevent the morter from injuring the floor. How to make a pavement.

A summer-house should look to the north-east and west, and be floored with marble or tile. Mix lime or gravel for a winter flooring.

| ${ }^{1}$ domus. | 2 acer. | ${ }^{3}$ fraxinus. | ${ }^{4}$ filice sternas. |
| :--- | :--- | :--- | :--- |
| ${ }^{5}$ paleis sternas. | ${ }^{6}$ se putrefaciendo. | ${ }^{7}$ inclines. | ${ }^{8}$ operias. |

51. 

There are three kinds of dug gravel: red, white, and black. The fincst is gritty.

Good gravel will not soil a cloth if cast into it. Where there is no gravel to be dug, collect it from rivers or from near the sea. Sea-gravel retains the moisture long.

Use land-gravel quickly, ere sun, or wind, or showers dissolve it. Drench seagravel in sweet water to bring the salt out of it.

Burn stone or marble to make lime. Mix two parts of lime and one of gravel, and a third part of marl in river gravel will make it very firm.

The bylder eke to knowe is necessarie
352 What gravel and what lyme is profitable. Savelles dolve in iri natures ${ }^{1}$ varie, In reed, and hoore, and blake unvariable. ${ }^{2}$ Of hem the reed is best, the hoor is able,
356 The blake is werst, yit gripe hem in thyne honde, For grossyng ${ }^{3}$ gravel fynest wol be fonde.

## 52.

Eke preve it thus, in clothies white it kest, And shaken oute yf that the clooth be clene,
360 Withouten spotte, that gravel is the best, And yf thou may noon delve, in flood, or lene Clay lande, or nygh the see, gravel thou glene. The see gravel is lattest for to drie,
364 And lattest may thou therwith edifie.
53.

The salt in it thi werkes wol resolve; And lande ${ }^{4}$ gravel anoon set ${ }^{5}$ in worching, Er soone or wynde or shoures ${ }^{6}$ it dissolve.
368 And floode gravel is goode for coveryng. Oute of the see gravel the salt to bringe Let drenche it for a tyme in water swete. Thy lyme of stones harde is thus to gete-

## 54.

372 Stone tiburtyne, or floody columbyne, -Or spongy rede, lete brenne, or marble stone, For bylding better is the harder myne, ${ }^{7}$ The fistulose and softer lete it goone
376 To cover with, and tweyne ${ }^{8}$ of lyme in oon ${ }^{9}$ Of gravel mynge, ${ }^{10}$ and marl ${ }^{11}$ in floode gravel A thriddendele wol sadde it wonder wel.

55.

Thi walles bricke with brik thou must corone
380 A foote aboute, and sumdel promynent, That thay by storme or rayne be not fordone, And lete hem drie er thou thi bemes bent, Or rovyng sette uppon, lest all be shent

Brick walis
should be surmounted with a brick coping. Let them be dry before you place beams or roofing upon them.

384 For lacke of crafte, eke this is husbondrie To covert hem with sumwhat whille thay drie.
56.

Make light ynough aboute on everie syde, And loke, as the is taught, that este and west 388 And north and southe thyne houses thou devyde, In wynter south, in veer and hervest est;
Septemtrion in summer houseth best;
And half as high thy chambre and triclyne
392 Thou make as it is mesure long in lyne.
57.

Of suche a stuffe as easy is to fynde Build of such Is best to bilde, and bordes of cipresse Plaine and directe upsette hem in thaire kynde 396 A foot atwynne, and hem togedre dresse With jenyper, boxe, olyve, or cupresse, wood as is at hand-the uprights of cypress, a foot apart, dressed with juniper, box, olive, or cypress. Let the walls be strongly
So worching up thi wowes by and by,
But se that it be tymbred myghtely.

Let the house be light, and stand duly to the four quarters, the rooms half as high as long. timbered.
58.

400 Fatte reed ${ }^{1}$ of myre $^{2}$ yground $^{3}$ and tempered tough, Daub the wall
Let daube it on the wough on iche asyde, And with a trowel make it plaine yo, That it upon the tymbre fast abyde, with marsh-reed mixed with lime and gravel, and polish it with ground marble.

404 Lyme and gravel comyxt thereon thou glide,
With marble greet ygrounde and myxt with lyme Polisshe alle uppe thy werke in goodly tyme.

[^8]59.

To prepare lime for whitewashing.

The plaster to be made strong and bright with a trowel ; one coat to be dry before another is added.

Eke whityng werk is thyng of grete delite.
408 Lime is for that in tymes long made lene; That it be profitable preve astite; ${ }^{1}$
As tymber hewe it with an axe and sene ${ }^{2}$
Yf it be not in the egge, ${ }^{3}$ and sum sustene
412 In the axe ${ }^{4}$ all gliry ${ }^{5}$ tough and softe relente ;
For whytyng that lyme is convenient.
60.

The parget of thi wough be stronge and bright, The truel firste ful ofte it must distreyne,
416 And as it drieth efte and efte it dight; The kirtils doo theron of marble greyne, But first lete oon be drie, and thenne engreyne A smaller coote above on that, and thenne
420 A thridde on alle as small as it may renne.
61.

Beware of building on low ground, and if there beno spring or well, have a eistern.

Make it as high as you like, put tile-paving over it, and rubit well with boiled lard.
62.

428 Let crafte it up pleasaunt as it may suffice Unto thi self, as best is broode and longe. ${ }^{6}$ The guttures ${ }^{7}$ left in sadde ground, assise And yole ${ }^{8}$ on it tilparyng ${ }^{9}$ playne and stronge.
432 This paryng must thou cure and labovre longe ${ }^{10}$ And clere it up, but frote it wol with larde Fatte and decocte ; thi werk wol the rewarde.

[^9]63.

Whenne that is drie, upwalle it every side 436 In like maner, eke larde it, herdde it weel, Tyl water wol endwelle it and abyde, And fede in it thi waterfish and eel, To move and make it faire and fresh as well, 440 As though it were a ryver or a welle. Now chenes ${ }^{1}$ to repaire I am to telle.

## 64.

The chenes, holes, pottes, poles mende, And thorough the stoone yf that the water synke, 444 Take pitche ${ }^{2}$ and talgh, as nede is the to spende, And seeth hem tyl thai boile up to the brynke,

Do the same with the walls, till it is hard enough to hold water, and you maykeep fish in it as if it were a river.

To stop holes, etc., in the cistern make a cement of pitch and tallow, and keep mixing lime with it. And let it coole; eke give it lyme to drynke A lite and lite and smal, but mynge it yorne, ${ }^{3}$ 448 Tyl every parte until oon body tourne.

$$
65 .
$$

Whenne this cyment is made, it must in synke Uche hole, and chene, and every lekyng stoone, And presse it thicke aboute on every brynke;
452 And holsum is that pipes from it goone, To bringe aboute in water oon by oon, To drynke of this of waters first and best, Licoure of grace above, a thyng celest.

$$
66 .
$$

456 Thi wyne celar in colde Septemtrion
Wel derk and ferre from bathes, oste, and stable,
Myddyng, cisterne, and thynges everichoon
That evel smelle; eke se that it be able

The wine cellar to be to the north, away from bad smells, and large enough for the fruit, with a winepress above,

460 As for thi fruyt, an other thyng notable, Above it well the calcatory make,
A wyne pitte the oon half either to take.
${ }^{1}$ rimas.
${ }^{2}$ picem.
3 sæpe.

Let pipes go from the cistern to carry the water to drink.
ascendedbssteps. Let pipes lead to the vat, and let there be a pit for the waste.

The barns to be sweet and high, with a hard floor two foot thick. A place for every kind of corn.

The granary to be high, and its walls plastered with oil-dregs, clay, and oliveleaves.

So you get rid of weevils and other noisome beasts. Coriander-leaves prevent thewheat from sweating.

Thre grece or mim is up therto to goo;
464 Canels or pipes wynes forth to lede Into the vat, and tonnes make also, And pave it yf the lyst in length and brede. A pitte in it, for wynes white and rede
468 That over renne of ignoraunt kepynge,
To make is oon goode poynte of husbondyng.

## 68.

Thi barnes fer fro stynk and sumdele hie, Thi stable ferre away therfro thou sette, 472 Eke se that thay be wyndy, colde, and drie, Thi berne also be playne, and harde the flette, And footes two to thicke it thou ne lette, For every corne a place is to devyse, 476 As large as for thi tyllyng wol suffice.
69.

Thi garner and thi vessel for thi grayne
Make sumdele high, and walle it thus to thryve:
Oyldregges mixt with clay thou must implayne
480 Thi wowes with, and leves of olyve,
In stede of chaf upon thi wowes dryve,
And drie it wel, and then oyldregge it efte,
And saufly may thi whete in it be lefte.

## 70.

484 This maner crafte wol holde oute of thi whete Gurgolions and other noyus bestes,
The coriander leves, lest it swete, Is putte therin, an other crafte unleest is;
488 From floor to floor to chaunge it ofte his feest is.
Coniza is an herbe, as Greekes sayne,
That drie is goode to kest under thi grayne.

## 71.

Thyne oilcellar sette on the somer syde,
492 Holde out the cold and lette come in the sonne At hooles, so that in the wynter tyde Thyne oil with esy pressure out be wonne. Oilmylles, wheeles, wrynges, not begonne 496 Of newe I nyl not speke of nowe, but clene Thyne oyle's receptacles thou demene.

## 72.

Men may also doon other diligence
Aboute an oylcellar, it for to warme,
500 The pament under thorled and suspense
Bete under fyre, so smoke it may not harme,
A dell, and hete eke wol thi hous enarme, As from the swerde of wynter kene and colde.
504 Now husbondrie for stables write I wolde.

## 73.

Towards the southe thi stable and thi stall For hors and neet thou sette, and gette in light
Oute of the north, and wynterclose it all
508 To holde outte colde. In summer yeve it sight
Thi hous to cole, and nygh thi bestes dight
A fire in colde; it wol thyne oxen mende, And make hem faire, yf thai the fyre attende.

## 74.

512 For harming of thaire hoof eke sette hem drie, And for iche yoke of exon in thi plough VIII foote in brede, and goodly length outtrie, The length as from the horne unto the sough, 516 The brede is crosse, and plank it stronge ynough Under thyne hors, that it be lygging softe Ynough, and harde enough to stande alofte.

The oil-cellar to be on the south. The receptacles of the oil to be kept clean.

An oil-cellar may be warmed by flues underneath.

Stables and stalls for oxen to be towards the south. Make a fire for them in the winter.

Not to harm the hoofs, set them in a dry place. Allow eight feet in breadth for each yoke of oxen. Horses require strong planks.
75.

A shed for cattle on the south to be covered with shingles, tiles, broom, or sedge.

Mews for birds, whose dung is necessary for the land except that of the goose.

The dove-cote to be in a tower away from the dwelling - house. It is good to scatter old broom with which shoes are made for oxen, amongst doves.

Eke on the south thou make an hous for bestes, 520 But over hoote attemporate to holde A pointe of husbondrie not this the leest is, Of forkes, and of borde, and bowes colde A standyng must be made, and overfolde 524 And heled weel with shyngul, tile, or broom, ${ }^{1}$ Or segges are as good as to my doom.
76.

This hous aboute also make up thi mewes, For dounge of foules is ful necessarie
528 To londtillynge ; yit gooses donnge eschew is, It is right nought, it is an adversarie
To every seed, now everie birdde hem warie!
Fy on you, gees; fy on your tail for shame!
532 Your dounge is nought, turn out your taille of game.

## 77.

And in a toure with plaine and whited walles And fenestelles mir, a columbaire, As is the gyse, away from there thyne halle is
536 Lete sette, as doves may therto repaire, And inwith make hem nestes many a paire. Olde spartea, that bestes with beth shode, To sprynge amonge the doves is ful goode.

It will be a charm against weasels; so will the rope with which a man has been hanged.
78.

540 The wesel shal for this doon hem noon harme, So it be doon secré that noo man see. Yit for the wesel use another charme, Sum of the roope wherwith hath strangled be
544 Sum men, pray God lette it be never the, Hang part of that in every fenestell, And this wol from the wesel wite hem well.

[^10]79.

Gyf hem comyne ynough, and barme her pennes,
548 And doves moo ynough in wol thay brynge;
And yf thou wolt have many briddes thennes, Let barly bake, or bene, or fitches flynge Afore hem ofte, also for her helping
552 Let honge aboute in dyvers places rewe, And bestes adversannt hem wol eschewe.
80.

Under thi colver hous in alle the brede
Make mewes tweyne, oon litel and obscure,
556 With whete and mylde in that thi turtours fede, In somer faat ynough with litel cure :
But boile it in sweetness, and oon mesure
A strike is for vi ${ }^{\mathrm{xx}}$ oon daies mete,
560 But water ofte refreshhed do hem gete.

## 81.

And thrushes fede upon that other syde;
To faat hem is arayling and plesaunte;
But make this house wherin thay shal abyde
In the other feed thrushes. Let them have transverse percbes and fresh boughs to sing in. Fatten
564 Light, clene, and playne with perches transversannte $\begin{gathered}\text { them with fround } \\ \text { figs and flour. }\end{gathered}$ To sitte upon, and bowes in to chaunte Ychannged ofte; eke yeve hem figges grounde Comyxt with flour to make hem faat and rounde.

## 82.

568 The seed of mirt, if that thou maist it gete, Of birch, of yvy, crabbe, and wild olyve Lete yeve hem nowe and nowe for channge of mete; With channged water ofte. Eke fressh as blyve

Seed of myrtle, birch, ivy, crab, and wild olive is good for a change. Putin with those
newly caught four or five tame thrushes.

572 As thai be take unhurt, with $I$ III or $v$ Of thrusshes tamed, putte hem in this mewe, To doo disport among thees gestes newe.
83.

Women know how to set hens. The black are best, the white are worst, yellow are good. Lees of wine make them barren.

Two cruses of half-boiled barley is one day's food for a hen at large. Place an odd number of eggs undera hen when the moon is between ten and fifteen days.

To cure the pip, slip off a pellet from the tongue with your nail, and cast ashes on the wound, and put garlic, alum, and oil in the mouth.

Staphis agria, or stavesacre, will heal the tongue. Remove a horny substance from the eye with a needle or pin.

What woman cannot sette an hen on broode 576 And bryng her briddes forth? the crafte is lite, But ashes smoke and dust is for hem goode. Eke best are hennes blake, and werst are white, And good are yolgh: but yf thaire appetite
580 With draff of wyne be fedde anoon bareyne
Thei beth: for thi therfrom thou hem refreyne.
84.

Wol thou thai often hatche and eyron grete Thai legge? Half boiled barly thou hem bringe, 584 Twey cruses ${ }^{1}$ in oon day oon hennes mete That gothe atte large, and odde ${ }^{2}$ egron in springe Of echates ${ }^{3}$ under thynne hen sittynge
To putte, as whenne the moone is daies dene ${ }^{4}$
588 Of age is good, and til she be fiftene.
85.

And other while an hen wol have the pippe, A white pellet that wol the tonge enrounde, And softely of wol with thi nailes slippe
592 Anoon, and askes after on the wounde
Thou kest, and clense it, ley on garlic grounde, Ground alom eke with oile put in her mouthes.
86.

596 As staphisagre medled in thaire mete Wol hele her tonnge, another maladie Wol ryse of soure lupyne, if thai it ete, As cornes that wol under growe her eye,
600 That but thou lete hem oute, the sight wol die. All esely thou maist undo the skynne With prikyng of a nelde or a pynne.

$$
{ }^{1} \text { ciati. } \quad 2 \text { imparia. } \quad 3 \text { lune. } \quad 4 x
$$

87. 

Take woman's mylke and juce of portulake,
604 And therwith thou maist hele her eghen sore, Or hony, myxt with salt armonyake And comyn evenly, is goode therfore. And yf thyne hen be lousy, there is more,
608 Eke luys with staphisagre and comyn Igrounde in wyne and juce of soure lupyn.

## 88.

The pokok men may rere up esily Yf bestes wilde or theves hem ne greve.
612 Her briddes wol thai fede up besily
In feldes forth, and up thai wol atte eve
Into a tree lest thai by nyght myscheve.
But warre the fox, as while thai sitte on brode
616 To sette in an Ilande were ful goode.
89.

And for a cok beth hennes v ynowe;
The Cok his eyron and his briddes hateth, Until the crest upon thaire hedes growe,
620 And first in Feverer of love he prateth.
And benes bake alite his love abateth
Right nere adell, yf that he ete hem warme, For thei wol rather his courage enarme.

## 90.

624 The cok confesseth emynent cupide
When he his gemmy tail begynneth splay
About himself so faire on every side,
That never foul was in so fresh array.
628 A shuddering, a flusshing, and affray
He maketh thenne, and turneth him aboute
All golde begoon his tail and wynges stoute.

Other remedies for sore eyes. Destroy lice with stavesacre and cummin ground in wine and juice of lupin.

The peacock easily reared. Beware of the fox at the time of brooding.

The peacock hates his eggs and chicks until their crest be grown.

He confesses love when he displays his tail and wings.

If her eggs are placed under another hen, the peahen will lay three times a year. Set a hen on nine eggs, four of her own and five of the peahen.

Do this on the first of the month. On the tenth take away the four and substitute four others, and be careful to turn them.

They hatch on the thirtieth day. Columella says a hen may feed twenty-five chicks.
91.

The pohen eke excused, yf men sette
632 Another henne her eyron forth to brynge, Wol legge in oon yere thries dewe as dette, V atte the frist and IIII at efte legginge, And after III or II; but for bredynge
636 To set an hen on eyron Ix is goode, IV of her kynde, and $\nabla$ of other bloode.
92.

The first day of the moone is this to doo, The $x^{\text {th }}$ day the IIIr away betake,
640 And other ItII enscore her place into.
To tourne hem ofte also good hede thou take,
For she may not the turnyng undertake.
Yet take for that a stronge hen and a grete :
644 A litel hen on fewer must be sette.
93.

The xxx day goth al ${ }^{1}$ out of the shelle, And oon norice ${ }^{2}$ may xxv lede.
So say not I, but so saith Columelle ;-
648 XV I sey suffice oon henne to fede.
And first for hem spring wynes white or rede,
On barly seede, or puls decoct and colde
To yeve hem frist is good and holsum holde.
94.

652 And after hacked leek or tender cheses
Lete fede hem with, but whey thou holde hem fro;
Ek pluck awey the feet and yeve hem breses; ${ }^{3}$
And monethes vi it is to fede hem so ;
656 And after geve him barly to and to
Right as the list, but xxx dayes olde
Thai with thaire norce into the felde betolde. ${ }^{4}$
${ }^{1}$ pulli. ${ }^{2}$ gallina. ${ }^{3}$ locustas. ${ }^{4}$ mandentur.
95.

She ${ }^{1}$ nowe behinde, and nowe she goth before, 660 And clocketh hem, but when she fynt a corne, She chicheth hem and loith it hem before, Hem ledyng home atte nyght lest thai be lorne.

The care of the hen for her chicks, which, when their crests spring, are as sick as children at teething. Eke hele hem of the pippe as is beforne
664 Of hennes taught; but when thaire crestes springe As seke are thay as children in tothinge.
96.

Fesanntes up to bringe is thus to doo:
Take noon but of oon yere; for, infecunde
668 Are olde; and frist in marche uppon thai goo
Her vyves; but the males not abounde
In coitu, though thai be faat and rounde;
A cok for hennes tweyne, and every hen
672 Wol ones sitte on eyron twies ten.
97.

A commune henne may weel uppon $x v$
Of hem be sette, and of her owen a fewe.
And channge hem as before atte daies dene.
676 At xxx daies ende oute wol thai shewe.
Frist fede them daies thries $v$ arewe
With barly coct and colde, and wyne besprong,
And after bresed whete and breses longe.
98.

680 Annt eyron yeve hem eke, and kepe hem fro The water for the pippe, and if it have hem, With garlic stamped weel and tar therto Her bekes froted ofte and sadde wol save hem,

To bring uppheasants. Have two hens to each cock. The hen will sit on twenty eggs.

A common hen will sit upon fifteen pheasant's eggs. They hatch in thirty days. Feed them fifteen days on boiled barley sprinkled with wine; afterwards with bruised wheat and locusts.

[^11]684 Her tonnges eke right as an hen to shave hem, And right as hennes heel her maladie
Is goode; to fatte hem eke is husbondrie.
99.

A strike of wheat or half a strike of barley mixed with oil and made into cakes will fatten them in thirty days.

The goose is fed on grass and water. Take one male for three females. You may deplume them twice a year.

Other food for geese. Theskewbald and brown are not so productive as the white, coming of the wild kind. Set them from the first of March till the longest day.

The goose's eggs may be placed under a hen, but that they may not be injured, put nettles with them.

With wheet a strike, or other half a strike 688 Of barly mele enoyled, ${ }^{1}$ offed lite, ${ }^{2}$

In dayes thries ten thowe make hem slyke And fatte ynough, so that her appetite Be served weel, and that noon offes white
692 Englayme uppon the rootes of her tonnge;
For that and hunger sleth thees briddes young. 100.

The goos with grasse and water up is brought, To plant and tree an opon foo ${ }^{3}$ is she,
696 Her bityng harmeth corne, her donnge ${ }^{4}$ is nought; Take for oon male of hem females thre, And twies a yere deplumed may thai be; In sprynging tyme and harvest tyme; eke make 700 For hem, yf other water wonte, ${ }^{5}$ a lake. ${ }^{6}$
101.

For wonte ${ }^{7}$ of grasse on trefoil ${ }^{8}$ lette hem bite, On gouldes ${ }^{9}$ wilde, ${ }^{10}$ or letuce, ${ }^{11}$ grekysh hay. ${ }^{12}$ The skewed ${ }^{13}$ goos, the brune goose as the white 704 Is not fecounde. And why? For as thai say Oute of the kynde of wilde gees cam thay. Fro Marche kalendes gees to sette on broode Until the day be lengest is ful goode.
102.

708 An hen upon thaire eyron maist thou sette, As of the pocok saide is all before, But lest this hennes eyron sholde ought lette, Ley netteles under with, and evermore
712 The laughter last: unto the modres lore Is to be lefte that thai may with her children Laugh and be gladde, as with hem were here eldron.
${ }^{1}$ oleo sparsi. $\quad 2$ in offulas redacti. $\quad 3$ inimica. $\quad 4$ stercus.
${ }^{5}$ lack. ${ }^{6}$ lacunam. ${ }^{7}$ defectu. ${ }^{8}$ trifolium. ${ }^{9}$ intubis.
${ }^{10}$ agrestibus. $\quad{ }^{11}$ lactuca. $\quad 12$ græco fæno. $\quad 13$ varii coloris.
103.

Ten daies first lete hem be fedde withynne; 716 And thenne, is Wedir faire, doo forth hem lede; But netles war, from hem thi briddes twynne, And fatte hem xxx daies olde for nede; Atte moneths foure alle fatte thou maist hem fede,

Feed them indoors for ten days; then take them out in fine weather, and fatten them at thirty days. Enclose them in a warm and dark place.
720 Flour thries a day; and lette hem not goo large;
In warme and derk to clese hem I the charge.
104.

Eke mylde is goode also in every mete, All manner puls is goode, the fitche outetake. 724 Swyne heres brustels kepe hem lest thay ete. Two parties branne with flour thees Grekes take With water hoote comyxt; also thai make
Her water thries freshed every day;
728 And ones in the nyght. This is no nay.
105.

Yf thou desirest that thi gees be tender;
When thai in age be passed xxx daies,
Of figges grounde and water tempered slender
732 Gobbettes ${ }^{1}$ yeve thi gees. ${ }^{2}$ But these arayes
To speke of here for nought but myrth and play is;
Yit as myne auctor spak, so wolde I speke,
Seth I translate, and loth am fro him breke.
106.

736 This doon, is other thinges for to doo:
Two stewes must thou make in erthe or stoone, Not fer from home, and bryng water therto
Of sprynge, or rayne for water foul ${ }^{3}$ that oon
740 To swymme, also thi bestes to togoon ;
That other wete in hides, ${ }^{4}$ yerdes drie,
Lupyne, and other thing for husbondrie.

Ground figs and watermake geese fat. So says the Author, and the Translator is loth to break from him.

Millet is good for them, and all kind of pulse except vetches.
107.

In housing hay, chaff, timber,and reeds be careful against fire.

The dunghill to be out of sight and smell. Asses' dung is best for gardens, next sheep's, then goat's and neat's.

Ashes are good, and no dung of fowls is so hot as doves except the quest. Dung for corn not to be more than a year old. Sea-slime good to mix with other manure.

Placeyourgarden so that it may have the benefit of the dunghill, and the water may run off from it. If you have not a well, dig a tank or a stew.

For hay, for chaf, for tymber, and for redes
744 Make housyng as the list; it is noo charge ; ${ }^{1}$ In drie and wyndie places there noo drede is Of brennyng hem, and for that alle atte large Away from home ordeyn hem I the charge.
748 A fyre is foul affray in thinges drie.
And now for dounge an other husbondrie :
108.

The myddyng, sette it wete as it may rote, And saver nought, eke sette it oute of sight;
752 The seed of thorn in it wol dede and dote.
Thyne asses dounge is rathest for to dight
A garden with; sheep dounge is next of myght;
And after goot and neet; eke hors and mares;
756 But dounge of swyne the werst of all thees ware is.
109.

Askes beth goode, and so hoot is noo dounge Of foule as of the douve, a quysht outake, And oon yere old is nought for herbes yonge 760 And goode for corne ; but elder thou forsake, Fresh dounge is best thi medes with to make; Seeslyme al fresshe ywesh, and slyme of floode With other dounge ymedled is right goode.
110.

764 Thi garden and thyne orchard, sette hem nygh. The garden from thi mydding softe enclyne, That juce of that amonge thyne herbes sigh ; And water in sum stede away declyné.
768 Eke yf the lacke a welle, a winche enmyne; And if thou may not soo, lette make a stewe With rayne water thyne herbes to renewe.

[^12]111.

And yf that help it not, lete delve it depe
772 Three foote or foure, in wyse of pastynynge, That it may in itself his moister kepe.
And every lande, although a man may brynge With help of dongyng hit into tylling,
776 Yit is the chalk or claylonde for to eschew, And from the rede also thi garth remewe.
112.

Eke yf thi garth be drie in his nature, Depart it, and in wynter southward delve
780 Hit uppe, and in the somer doo this cure,
Upon Septemtrion to overwhelve
Hit upsodowne; thus wol hit save it selve.
The garth eke closed is in dyvers wyse ;
784 Dyversed wittes dyversely deryse.

$$
113 .
$$

Hym liketh best a daubed wough, and he Wol have a wall of clay and stoon, and stones Withouten clay an other wol it be ;
788 A nother with a diche aboute ygone is;
War that, for that the werst of everichon is.
That diche wol drie up thi humours of thi londe, Yit yf thi garth be myree, a diche may stonde.

$$
114
$$

792 Oon planteth thorns, an other soueth seedes;
But bremble seede ${ }^{1}$ and seed of houndes thorn ${ }^{2}$
Doo weel, and geder that as ripe as nede is;
With fitches flour, ywatered well beforn,
796 Lete medled all this seede, lest it be lorn.
In ropes kepe this confect meddissyng
Until the time of veer or of spryngyng.

[^13]Sow brambleseed and hounds-thorn for a good fence. Keep the seed mixed with flour of vetches within ropes until spring.

Different tastes with respect to garden walls. The worst is to let a ditch surround your garden, unless it be miry ground,

If your garden be dry, divide it, and in winter dig the south side; in summer the north.

Ordigthe ground three or four feet deep. Every soil may be brought by manure into tillage; yet chalk and clay and red land is to be avoided.
115.

Then plough a double furrow a foot deep, and inclose these ropes under light mould.

Let spring dig if autumn is to sow, and vice vers $\vec{a}$, so that each side may have the benefit of heat and cold.

In wet places make the margins two feet high, in dry places only one.

Thenne eree a double forowe iri foote a sonder, 800 As ferre as thou wolt close, and deep a foote; This ropes with thi seedes cloos hem under Light moolde aboute, and on anoon lete wrote. This doon, at twenty daies end a roote ${ }^{1}$
804 In erthe, a branch in aier wol reche aboute.
Now rayle hem, and of closure is noo doute.
116.

Lete veer goo delve, yf hervest shall go sowe; If veer shall sowe it, hervest must go delve;
808 So shall her eitheres werke been overblowe With colde or hoote under the signes twelve. Mark oute thi tables, ${ }^{2}$ ichon by hem selve, Sixe foote in brede and xir in length is best 812 To clense and make on evry side honest. 117.

In places wete or moist make evry brynke Two foote in heght, a foote in places drie, And yf thyne humour from thyne herbes synke,
816 Dispose it soo that it from places hie
Descende, and doo ${ }^{3}$ thi lande to fructifie;
And thens to an other part procede, And so to every parte, as it is nede.

## 118.

Sow and graft as they do in your neighbourhood.

820 To sowe and graffe although I sette a tyme, Yit graffe and sowe as men doo the beside ; In places cold thyne hervest sede betyme ${ }^{4}$ Is best to haast; in springyng seede to abyde.
824 In places hoote eke chaunge her either tyde.
To graffe and sowe in growing of the moone, And kytte and mowe in wanyng is to doon.

[^14]119.

For blichenyng ${ }^{1}$ and myst ${ }^{2}$ take chaf ${ }^{3}$ and raf, ${ }^{4}$ 828 And ley it on thi lande in dyverse stedes, And when thou seest the myst, lete brenne up chaf And raf, eke as for hail ${ }^{5}$ a russet wede is To kest upon the querne, ${ }^{6}$ also it nede is 832 All bloody axes ${ }^{7}$ bere and heven ${ }^{8}$ threte In hardy wyse as hym to slayne or bete.

$$
120
$$

Girde eke thi garth aboute in vynes white;
Or, sprad the wynges oute, sette up an oule.
836 Whi laugh ye so? this crafte is not so lite.
Or take thi spades, rake, knyf, and shovelle And evry tole in beres grees defoule, Eke sum have stamped oile with grees of beres 840 To greece her vyne-knyf for dyveres deres. 121.

But that a man must doo full prively, That never a warkman wite, and this is goode For frost, and myst, and wormes sekirly.
844 But as I trust in Crist that shedde his bloode
For us, whos tristeth this Y holde him wode. Myne auctor eke, (whoo list in him travaille!)
Seith this prophaned thyng may nought availe.

$$
122 .
$$

848 Oil dregges fresshe for gnattes and for snayles
Or chambre soote is goode to kest aboute;
For anntes eke an oules herte availe is
To putte upon her bedde, and alle the route
852 A trayne of chalk or askes holdeth oute.
Thi seed with juce of rucul ${ }^{9}$ or syngrene ${ }^{10}$

Oil dregs or soot good against gnats or snails; an owl's heart on their beds against ants, or chalk and ashes ; juice of rocket or horseleek against can. kerworms.

To wete ${ }^{11}$ up sleth the rucul, as men wene.

| ${ }^{1}$ rubigine. | ${ }^{2}$ nebula. | ${ }^{3}$ paleas. | $\quad{ }^{4}$ purgamenta. | ${ }^{5}$ grandini. |
| :--- | :--- | :--- | :--- | :--- |
| ${ }^{7}$ cruentas secures. | ${ }^{8}$ cœlum. | ${ }^{6}$ molam. erucæ. | ${ }^{10}$ sempervivæ. | ${ }^{11}$ madefacere. |

123. 

Divers other remedies against the rucul, or cankerworm.

River-crabs crucified are also a remedy; also to anoint the prun-ing-knife with oil in which can. tharides have been left to rot.

For gnats oildregs and oxgalls are good, or oil and ground ivy, or waterleeches burnt. That worms devour not thy colewort dry the seeds in the skin of tortoise, or grow mint with it.

Bruised vetches, rape, or henbane, mixed with vinegar, will kill the cabbage-worm. The stink of the scales of headless garlic burnt destroys caterpillars.

Eke figtree askes oon on rucul throweth,
856 An other hangeth uppe or soweth squylle, ${ }^{1}$ The thridde among his wortes chitches soweth, For wondres fele and, he saith, as to kille The rucul and fele other thinges ille,
860 A menstruous ungerd wommon, unshod Untressed eke, about to goone is goode.
124.

Floode crabbes here and ther to crucifie, He seth, is goode ; but bestes forto sle
864 That dooth thi vynes harm let sle the flie, The cantharide in roses that we se; Put hem in oile, and roton when thai be, The vyne if thou shalt kytte enointe aforn 868 The knyf with this; for this craft is noo scorn.

$$
125 .
$$

Oile dregges and oxe galle is goode for gnattes, So that the beddes therwith thou enoynte, Eke oile and yry grounde is goode as that is, 872 Or waterleches brende an other point is. Thi wortes that the wermes not disyoint, ${ }^{2}$ The seedes in a tortous ${ }^{3}$ skynne ${ }^{4}$ thou drie, Or mynte among thi cool thou multiplie.

$$
126 .
$$

876 Eke fitches brese, of hem thair radissh ${ }^{5}$ springeth, Or rape, ${ }^{6}$ or thus take juce of henbane With soure aysell, and hem togeder mengeth, And kest hem on your cool in every pane;
880 Ereither wol be worterwormes ${ }^{7}$ bane.
Brenne her and ther the heedles garlic sceles, The stynke of it for hockes ${ }^{8}$ help and hele is.
${ }^{1}$ squillam. ${ }^{2}$ se destruant. ${ }^{3}$ testudinis. ${ }^{4}$ corio. ${ }^{5}$ radix.
${ }^{6}$ rapa, $\quad{ }^{7}$ publicû olerum (sic: but quære "pulices.") ${ }^{8}$ contra campas.
127.

Thi vyne knyf with garlic forto frote
884 Is goode, eke cley ${ }^{1}$ and brymstone ${ }^{2}$ yf me brenne
About a vyne, anoon this hockes rote, Or hocke in water yf men seethe, and thenne About in all thi garden do it renne,
888 It sleth the hocke, but bring it from withoute Myne auctor saith, fro sum garth nygh aboute.

$$
128 .
$$

Upon the whetstoon sle the cantaride, The cantaride a vyne yf she enfeste; ${ }^{3}$

Slay the cantharide on the whetstone, and Democritus recommends to cast ten crabs with water in an earthern pot ten days out of doors.

With water in an erthen potte ywrie ${ }^{6}$
896 Ten daies throut ${ }^{7}$ until the vapur die.
129.

And herbe or tree to moiste in the licour
Iche virith day is suffisaunt, saith he, To heel and helpe hem forth in fruite and flour,
900 But holde aye on it holpon til thou see. Pysmires yit yf thou wol make hem flee Kest origane ystamped with brymstoone Uppon thaire hoole, and oute thay flee anoone.
130.

904 The same is doon with cokille shelles brente;
Eke brymstoon and galbane oute chaseth gnattes, ${ }^{8}$ Also the fleen ${ }^{9}$ wol sleyn on thi pavyment Oildregges ofte yspronge, eke myse and rattes
908 This dregges mo may sle than dooth thi cattes, So it be thicke and poured in a ponne, ${ }^{10}$
The mous by nyghtertale on it wol fonne.

| ${ }^{1}$ bitumen. | ${ }^{2}$ sulphur. | ${ }^{3}$ noceat. | ${ }^{4}$ ille auctor. | ${ }^{5}$ cancros. |
| :--- | :--- | :--- | :--- | :--- |
| ${ }^{6}$ cooperta. | ${ }^{7}$ subdivo. | ${ }^{8}$ culices. | ${ }^{9}$ pulices. | ${ }^{10}$ patina. |

131. 

Black hellebore, mixed with bread, cheese, or flour, will kill them, as will wild cucumber and co. locynth bruised; other remedies against fleas.

Apuleius recommends to steep all grains in oxgall before sowing them, against field-mice, or to stop their holes with affadill.

The Greeks perforate a nut and stuff it with brimstone, chaff, and cedria, and light it, to destroy moles.

Elebur blak with fatte, or brede, or chese, 912 Or floure comyxt and offred hem wol slen; Cocumber ${ }^{1}$ wilde and coloquynt ${ }^{2}$ doo brese; The juce will sle the myse as dyvers men Have saide; A yit an other crafte sleth fleen:
916 Watered cucumber seede, or comyn grounde, ${ }^{3}$ Lupyne, or psilotre ${ }^{4}$ kest on the grounde. ${ }^{5}$
132.

And for the feld mous, Apuleius ${ }^{6}$
Saith goode is alle his greyne in oxes galle
920 A man to stepe, and sowe hem thenne: eke thus With affadille upclose her hooles alle; Thai gnawe it oute, but dede downe shal thai falle, Right forth withall thai shall it not eschewe,
924 The moldewarp the Grekes thus pursue :
133.

Thai thurle a nutte, and stuffe it so withinne With brymstoon, chaf, and cedria, thees three. Then alle her hooles ther the molde is ynne 928 Save oon, the moste, uppe stopped must thai be. The fyred nuttes smolder shall thorowe fle This grettest hoole, as wol the wynde him serve, And either shall thees talpes voide or sterve.

$$
134 .
$$

Oak-ashes will give mice the scab. Burnt hartshorn, or goats-claws, or lilies, or galbanum, will drive away adders and evil spirits (noxious vapours) by the smoke.

932 Yit for the mous, kest oken askes soo Aboute her hooles in it that thai may trede; The scabbe anoon will ryse and hem fordoo. For eddres, spirites, monstres, thyng of drede, 936 To make a smoke and stynke is goode in dede. Brent hertshorne, or gootes cleen, or rootes Of lilie brente, or galbane all this bote is.

[^15]
## 135.

The Greek saith eke that yf a cloude arise 940 Of breses ${ }^{1}$ smert, men muste in hous hem hide, And thai wol voide. A crafte eke thai devyse That, breses seyn, men fle to hous and byde In hous, and as thai come, awaie thai glide.

Greeks say that locusts will leave if men hide them. selves fromithem. Wild cucumber, or lupines mixed with oil-dregs, will drive them away.

944 Cocumber wilde, or sour lupyne in drestes Of oil comyxt wol dryve away thees beestes. ${ }^{2}$
136.

And other sayne that scorpions and thees, ${ }^{3}$ Yf sume of hem be brent, wol voide ichone;
948 And other als seyne, hockes for to lese, ${ }^{4}$ Kest figtree aske on hem, and, but thai goone, Oil dregges and oxe uren iliche anoon Let mynge and boile, and when it coled is, 952 Byrayne aboute uppon thi wortes this.
137.

The greek saith that a best prasocoride The garth anoieth muche, and remedie Is this for that, a rammes panch athide ${ }^{5}$ 956 Alle lightly soo there as thai multiplie, When Phebus chare hath goon aboute it twye, ${ }^{6}$ There shalt thou fynde hem heped, sle hem there A twie or thrie, and thai ne shall the dere.

$$
138 .
$$

960 Yit efte for hail a crocodilles hide,
A see calf skynne, or of a lyonesse
Bere uppe aboute thi lande on evry side, And whenne thou dredest hail or hevynesse
964 Lete honge it in thi yates or ingress ${ }^{7}$ Of hous or towne, or thus in thi right hande

The hide of a crocodile, or seacalf, or lioness, hung on the entrance of a house or town, will prevent hail, or a marsh-tortoise carried about the fields in the right hand.

A myres tortous bere aboute thi lande.
139.

But it must be borne upright, and you must go back as you came, and leave it on its back. This keeps off mischief of clouds.

Others take the shape of a dark cloud in a mirror, and thus either remove the harm, or double another's terror.

Steep seeds in ground cucumber roots. The skull of an ass or mare will cause fertility.

Let the threshing.floor be near, for convenience of carriage, and against theft. Let the floor be of flint, or hewn stone, or water mixed with earth and trodden flat.

But bere it bolt upright, and tourne agayne
968 Right as thou went, and ley her downe upright, And undersette her crooked bakke, that mayne ${ }^{1}$ Her lacke agayne to tourne herself downeright. This (is) a crafte of witte, a thynge of myght,
972 For all the lande that thou haste goon aboute For cloudes wick is save, this is noo doute.

$$
140 .
$$

When other seen derk cloudes over hove, The shappe of it thai take in a myrroure, 976 And outher thus from hem his harme thai shove, Or to sum other doubleth his terroure; Amydde a vyne another thyng socoure, For every mychief is a see calf hide 980 Aboute a quyk calf gridde on evry side.
141.

Thi seedes with cocumber rootes grounde Lete stepe, and save of evry mysse thai are; An other thinge that lightly may be founde, 984 The calvair of an horsed ${ }^{2}$ asse or mare,

Sette that uppe: that wol make all fecundare On every side as ferre as it may se.
Thus saithe the booke, and thus I trowe it be.

## De area.

## 142.

988 Thi thresshing floor be not ferre of awaie, For beryng and for stelinge, as the gise is Of servauntes; of flynt eke, if thou may, This floor thou make, or hewen stoones besides, 992 Or water myxt with grounde, the thridde avis is, Upshette aboute, and trampled with catell Maade playne and dried after, wol do well.

[^16]
## 143.

And nygh it make a place high, plain, and pure, 996 When nede is therto cave upon thi corne, This wol availle, and make it longe endure. Then after to thi berne it may be borne. Eke, lest thi greyne in shoures sholde be lorne,

Make also a place to cave (?) the corn upon before it is taken to the barn. It is also good to have a house for the grain in case of showers.

This house to be open on every side, and far from the garden and vineyard: for straw and chaff, which would benefit the roots, would damage the flowers and buds.

Place for the bee-yard. Plants proper for bees.

1012 Thaire floures in coloures or her kynde In busshes, treen, and herbes thai may finde; Herbe origane, and tyme, and violette, Eke affadille and savery therby sette. 146.

1016 And curiage, and gladiol the longe, Eke amarac, and other fresshed floures, Rosmary, yvy, rose, and lily spronge In busshes, eke the blossom greet socond is.
1020 Of evry tree thaire swetnesse in the floure is, Ook fold and birche, eke terebynite, and lynde But Utree, ${ }^{1}$ that is nought, leve it behynde.

[^17]Other plants, shrubs, and trees which may be allowed to grow near the hive. The yew to be avoided.

Tyme, tymbra, peleton are best; next is origane; then rosemary and savory. Plant trees on the north side, and bushes all about;
and herbs. Let there be a brook, or a well, and place boughs so that the bees may drink, but remove all bad smells, and adders and fowls.

The bee-keeper must be clean. Dung and burnt crabs be kept away. Places which make an echo are bad, and so is spurge.
147.

Of tyme is wex and hony maade swetest, 1024 Of tymbra, peleton; and origon

Is next to that; and after hem is best
Of rosmary, and savery, thenne is noono
So goode as thai, but rustik swete echoon.
1028 Septemtrion sette treen upon his syde,
And bushes aboute under the walle deryde.
148.

And after busshes herbes in the playne, A sobre brook amyde, or elles a welle
1032 With pulles ${ }^{1}$ faire, and bowes or it trayne So langh and rare on hem that bees may dwelle And drynke ynough, but ferre awaie propelle Horrend odoure of kychen, bath, gutters;
1036 Eddres to sleyn and foules oute to fere is.
149.

The keper pure and ehaste and with hem ofte, His hyves havyng redy forto take
His swarmes yonge, and sette hem faire on lofte.
1040 The smell of dounge and crabbes brende aslake
Away from hem; and places that wol make
A voice ayein as ofte as men wol calle
Is nought for hem, eke nought is titunalle. ${ }^{2}$
150.

1044 This thapsia, ${ }^{3}$ this wermoote, and elebre, Cucumber wild, and every bitter kynde Of herbe is nought for hem, as hem is lever Lete make her hyves all of thynner rynde, 1048 It is not angry hoot, nor colde unkynde.

Take ferules eke, or saly twygges take
Ye may, but potters hyves thou forsake.
${ }^{1}$ lacunas. 2 spurge. 3 lampwort.

## 151.

Or make an hyre of bordes like a stonde, ${ }^{1}$
1052 For that is goode, or hewe an holowe tree, And therof make hem hyves into stonde, But irr foote high on stulpes must ther be A floor for hem, wel whited thou it se,
1056 So made that lysardes may not ascende, Ne wicked worme this catell forto offende.

$$
152 .
$$

Thyne hyres heer thou sette a lite asonder, Her entre tourne it faire upon the southe;
1060 No larger than a bee may trede in under. Wickettes two or three thou make hem couthe, That yf a wicked worme oon holes mouthe Besiege or stoppe, an other open be, 1064 And from the wicked worme thus save thi bee.

## 153.

To bey thi been beholde hem riche and fulle, Or preve hem by thaire murmure magnitude, Or se the swarme and carie hem yf thou wolle
1068 By myght upon thi bak, hem softe enclude, And towarde nyght hir yates thou reclude. But bey hem not too ferre oute from thyne eire, For chaunge of ayer may putte hem in dispaire.

$$
154 .
$$

1072 Thre daies thenne it is to taken hede
Yf alle the swarme oute atte the yates goo, And if thai doo, then it is forto drede Lest thai purpoos in haast to ben agoo.
1076 Yit wene men that they wol not do soo Aboute her hoole an heifer ${ }^{2}$ calves ${ }^{3}$ thoste ${ }^{4}$ So that thou cleme, ${ }^{5}$ and this litel coste.

Boards in the shape of a cup, or a hollow tree, good for hives. Place them on a stand three feet high. Let the floor be whitened to keep off lizards and worms.

Turn the entrance to the south, no larger than a bee. Let there be two or three openings.

Directions for buying bees.

## If all the swarm

 go out in three days, there is reason to fear they mean to be off. Prevent this by daubing the dung of a bcifer.${ }^{1}$ cupe. 2 vituli. 3 progeniti. $\quad$ stercus. 6 allinas.

## De balneis.

155. 

The husbandman will think of his bath for health and pleasure. Let it look toward the south and south-west.

Floor to be two feet thick, inclining gently towards the furnace, on pillars made of tiles two feet and a half high.

An apparatus to supply the bath with hot and cold water, called Miliarium, made of lead, with a brass bottom. The cells to be fifteen feet long and ten broad.

Greater heat in a narrow place. Seats to be formed ad libitum. Light from the north in summer, from the south in winter. Let the wash from the bath go through the garden.

It is not strange, if water wol suffice,
1080 An husbonde on his baathe to be bethought; For therof may plesaunce and helthe aryse. Towarde the sonne on drie it must be wrought, Southwest and southe the sonnes ${ }^{1}$ ynne be brought,
1084 That alle the day it may be warme and light;
The celles suspensures thus thou dight:
156.

First floore it in foote thicke, enclyninge softe
The forneis warde, so that the flamme upbende
1088 The celles forto chere and chaufe olofte;
And piles ${ }^{2}$ maade of tiles must ascende
Two foote and half, and two foote wide attende
Hem forto sette, and upon hem thou sprede
1092 A marble floor, or tyle it yit for nede.
157.

A myliair of lede, the bothom brasse
Anende the feetes sette it so withoute
The fourneis, and the fire ther undre passe.
1096 A conduite cold into it bringe aboute,
Make pipes water warme inwarde to spoute, The celles square oblonge as $x$ in brede, As for xv in length is oute to sprede.
158.

1100 For hete in streite is gretter then in large;
But seetes make yfourmed as the list.
The somer celles lightes thou enlarge Upon the north, but winter celles wist ${ }^{3}$
1104 From north ; the southern light is best, as wist ${ }^{4}$ Is well; and all the wesshe oute of thi bathes The garden thorowe to go therto no scathe is.
${ }^{1}$ lightes. ${ }^{2}$ pilæ. $\quad{ }^{3}$ quatis. $\quad 4$ Vel satum (sic.)
159.

The chambres in the bathes may be wrought
1108 As cisterne is, but wol be well the stronger,
Chambers in the stronger than the cisterns. There are other ways, but weaker.
Place a winter room over the bath for the comfort of the heat.
1112 Uppon thi bathe ; for lo the groundes made, And hete of it thi winter house wol glade.

De malthis calidariis vel frigidariis. 160.

Convenient it is to knowe, of bathes
Remedies against chinks in baths. While speche is made, what malthes hoote and colde
1116 Are able, ther as chynyng clifte or scathe is To make it hoole, and water well to holde. For bathes hoote ammonyake is tolde Right goode with brymstone resolute ypitte ${ }^{1}$ 1120 Aboute in evry chynyng, clifte, or slitte. 161.

Or thus : hardde pitche, and wex, take even weight, And herdde ${ }^{2}$ with pix liquide herto eche ${ }^{3}$ An halvendele, and grounden shelles dight
1124 With flour of lyme : al thees comixt wol deche ${ }^{4}$ Every defaute, and all the woundes leche. While wex, hardde, pitch, remysse ammonyake, Thees three comixt therfore is goode to take.

$$
162 .
$$

1128 Or thus: ammonyak remysse, and figges With pix liquide and herdde ${ }^{5}$ sore ygrounde To cleme upon right suffisianntly bigg is; Or floure of lyme in oil, yf thou confounde
1132 And helde it in, upheleth it by grounde, ${ }^{6}$ But kepe it drie awhile, eke boles ${ }^{7}$ bloode With oil and floure of lyme admyxt is goode.

Or equal quanti-
ties of hard pitch and wax, with tow and liquid pitch one-half, and ground shells mixed with fiour of lime. Or wax, tow, and powdered ammoniac.

Or daub the chink with powdered ammoniac, figs, liquid pitch, and tow grourd up together. Or bullock's blood, oil, and flour of lime.
163.

Or oyster shells ground with hard pitch and figs. For a cold cement, ox-blood with pitch and cinders, or sifted ashes and melted tallow.

If you have abundance of water, make it turn your mill and spare your horse and ox for the plough.

Tools to be got ready: great and little plough, the mattock, axe, pickaxe, sawlong and short, knives, scythes, and sickles.

Sharp-backed scythes, little crooked knives, hooks, bills, rakes, crooks, adzes, pitchforks, and double-bitted axes.

Eke oister shelles drie and alle to grounde ${ }^{1}$
1136 With harde pitche and with fygges doth the same; But malthes colde in other crafte thou founde, Ox bloode with pitche and synder alle to frame, And make it like a salve, and overflame ${ }^{2}$
1140 Iche hoole and chene, or siften askes clene And serum molton helde in evry chene.

## De pistrino.

164. 

And yf thi water come in abundance, As moche as may thi bathes overflowe,
1144 Thi bakhous therwith all thou maist avance, A water mylle herwith thou maist avowe To make, in sparing beestes that shal plowe, As hors and ox, and so with litel care 1148 Shal water cornes grynde and beestes spare.
165.

Make redie nowe iche nedeful instrument, Lete se the litel plough, the large also, The rigges forto enhance, and uppe to hent
1152 Ther as the lande is moist, yit toles moo The mattok, twyble, picoys, forth to goo, The sawes longe and shortte, eke knyves crooked For ryne and bough with sithes, sicles hocked, 166.

1156 And croked sithes kene upon the bake, Showe forth also the cannibe ${ }^{3}$ knyves lite In plantes yonge a branch awaie to take, The hokes that the fern awaie shall bite,
1160 And billes all thees brerers up to smyte, Set rakes, crookes, adses, and bycornes, And double bited axes for thees thornes.
1 tusæ.
2 alline.
3 curvos.
ARTICLES OF DRESS FOR RUSTICS. ..... 43
167.

Here must be markyng yrons for oure beestes,
1164 And toles forto geldde, and clype, and shere;
Eke lether cotes us to were honest is, So thair cuculle aboute oure brolles ${ }^{1}$ were, ${ }^{2}$ And bootes, cocurs, myttens, mot we were $:^{3}$
1168 For husbondes and hunters all this goode is; For thai mot walk in breres and in woodes.

Irons to mark, geld, clip, and shear animals; also leathern coats with hoods to wear over the head, boots, leggings, and mittens. These last are good for husbandmen, who must walk in briars and woods.

Palladii primus liber explicit: assit ut unus
Alpha vocatus et $\Omega$ det mihi Christus homo !

```
1 capita.
2 Vel est.
\({ }^{3}\) uti.
```


## JANYVEER.

## BOOK THE SECOND.

## Ablaqueacion of cines.

1. 

Ablaqueacion, or excodication, i.e. removing the earth from the root of vines, to be done in January.

Now is time to clean the meadows, and call off the beasts from them. Fat and dry land to be ploughed up.
Slacken the yoke at the end of the furrow to cool the oxen's neck. Do not let them draw by the horn.

Let there be no balk, i.e., land left unploughed. Break the clods, and thrust a rod frequently through the furrows transversely, to see if the ploughman hasdonehis work.

Atte Jannerie ablaqueacion
The vynes axe in places temporate;
Italiens excodicacion
4 Hit calle: and it is hem to desolate Of erthe, and all from every roote abate. Thus, delves made, on hem shall weete and heete, Thai two dooth all engendre grapes greete.
2.

8 In places glade and lene, in places drie, The medes clensed tyme is now to make, And beestes from nowe forth from hem to crie; The feeldes faate and drie, on hem to wake
12 And breke ${ }^{1}$ hem up, but at the wendyng ${ }^{2}$ slake The yoke, thyne oxen neckes forto cole : But drawing by the horne is noo goode scole.
3.

The balke, that thai calle, unered lande ${ }^{3}$
16 And overheled, beholde that there be noon; The cloddes malled be with mannes hande. To wite if alle be well, thyself allone Transversall thourgh the forowes everichone
20 Lette ${ }^{4}$ rush a rodde, ${ }^{5}$ and make hem ofte this went, And thi ploughmen wol not be negligent.
${ }^{1}$ proscindere. ${ }^{2}$ versuram. 3 inaratam terram. ${ }^{4}$ ponas. ${ }^{5}$ perticam.
4.

The fenny feeld it is not forto plowe, Lest all the yere it after be to tough
24 To plowe, eke, as men saith, noo thing wol growe Thre yere on landes drier then ynough And rayne betwet, so turne upp with the plough. Demene it in the meene of moist and drie,
28 Eke sowe it so, and it wol multiplie.

## 5.

Atte Janus mones Idus temporate Grounde is to sowe in barly galatike, virr busshels seede an acre lande is atte;
32 But first se that the winter have be like. ${ }^{1}$
Now chiches, sowe in fatte and moist londe, like ${ }^{2}$
Thre strike an acre seede, yit ofte it faileth;
So weete or heete in flouring it availeth.

## 6.

36 And when this Janus xxv daies
Is olde, is best thi fitches forto sowe
Ffor seede but not for fodder, for noo nay is That ${ }^{3}$ snailes rather lette hem forto growe.
40 vir bushels on an acre londe bestowe
When all the dewe is off, in houres warme, And hele ${ }^{4}$ hem lest the nyghtes weete hem harme.

## 7.

Ffeyngrek to have of seede is to be sowe
44 In Ytalie ene in this Janes ende;
vir strike upon an acre is to throwe,
But plowed thynne and smale is to commende.
Ffor fyngers foure if lower thou descende
48 Upp may it not: for thi with plowes light Sum eree and sowe and rake it with forth right.

[^18]
## 8.

Sow also tares at the end of January, five strikes to an acre.
Weed corn on sunny days without frost. But some say this will uncover and hurt the root.

When the wheat has four leaves, and barley five, and when pulse and beans are four fingers high, weed them. The lupin requires no weeding.

Also the tares in this Janes ende
Is goode to sowe in places drie and leene,
52 v strike upon an acre is to spende.
This mone, in sunny daies and serene Withouten frost, thi cornes, weede hem clene. Yit wol this werk the roote, as sum men telle, 56 Unhele, ${ }^{1}$ or kirve, and colde it after quelle.

## 9.

When wheet is quaterfoile and barly v , And puls and beenes fingers foure ascende Aboven erthe, it is to weede hem blyve;
60 The lupinge is noo wedyng on to spende, Withouten helpe himself it will defende From wedes alle; it rootes hath but oon, And yf me wede it slayne it is anoon.
10.

64 Thi bene yweeded twyes wol availle, To wol it fructifie in grettest wyse; Of oon to have a strike is goode travaille; Myne auctor saithe therto the wol arise.
68 To wede eke cornes drie is noo goode gyse, Ffor blichenyng after that werk is drede, Yit barly drie it harmeth not to wede.

## 11.

This moone is goode to make in pastynyng,
72 That may be maade dyvers in wyses thre, In delvyng alle, or plowing, or dichinge. Thi lande unclene alle dolven uppe mot be, Of rootes, fern, and weed, to make it free;
76 But yf thi lande be leys clene of weedes, With diche or forowe to pastyne it noo drede is.

[^19]12.

The forowe is best ille humour oute to wyse Elonge eke as the liketh best thi lande,
80 Two foote and half the brede is to devyse.
Then yf the vyne is dight with mannes hond, Two foote and half ther must unereed stond ; But otherwyse if vynes shall be plowed,
84 Ffeet $v$ or vi of leye is hem alowed.

## 13.

Two foote and half in brede and three in lenght, Yf diches plese, hem make, and three feet deep; With mannes hande to till, or oxen strenght;
88 Thyne enterspace in oon maner thou kepe, But lest the scions ${ }^{1}$ crokedly up creep
And harmed be whenne yrons depe synke, Pare all the diches even plaine the brinke.

## 14.

92 The first is goode, two foote and half, or three Feet depe to turne up all; but diligent Thou be lest balkes underclosed be. The wardeyne with his rodde experient
96 May be therof thourgh putting every went. Eke heep uppe everie roote of ferne and brieres, And everie weed, as used everi where is.

## 15.

The tables for thi vynes maist thou make
100 Herafter as the list, or as thi lande
Wol axe. An acre all hool may thou take, Or half an acre well therin may stande, Eke of the thridde part it may be fonde,

Two feet and a half to be left between the furrows, if the land is dug by the hand; but if it be ploughed, five or six feet is to be left fallow.

Ditches to be two feet and a half broad, and three feet long, and three feet deep. The space between to be uniform, and the edges of the ditches to be cut even.

Dig to the depth of two feet and a half or three feet, and leave no balks. The foreman should ascer. tain this bythrust. ing his rod
through every went, i.e., space dug.

The beds for the vines accord ing to pleasure or the nature of the ground, to be an acre, or half, or third, or fourth part. Artifices in land-mcasuring.

104 The fourthe part an acre wol be square: In londes mesuring yit craftes are.

[^20]For a bed of an acre square, measure 180 ft . long, as many wide.

Whatever the space to be prepared for vines, measure out ten squares of eighteen for an acre.

The proper soil for vineyards is the mean between soft and bard, rich and poor, high and low, wet and dry; neither bitter nor salt.

The climate also should be rather warm than cold, and rather dry than wet. Vines fear winds. New soil and woodland is best for vines, the worst place is an old vineyard.
16.

Of pastyniug thus mesure every side A table square an acre lande to holde,
108 Ffeet scores nyne ${ }^{1}$ in lenght as feele in wyde,
Let square it so, theroute of may be tolde
Of squares $x$ feet wyde, who so beholde, CCC square ${ }^{2}$ of $x$ and twyes twelve. ${ }^{3}$
112 The nomber wol thyne acre ${ }^{4}$ overwhelve.

$$
17 .
$$

This nomber what the liketh to pastyne Dissensseth alle decempedes ${ }^{5}$ xvrir.
Renomber hem, but tymes twyos nyde ${ }^{6}$ (nyne)
116 Decempedes, therof ther shall be seen CCC IIII \& III and XVII ${ }^{\mathrm{ne}}$ (v. cccxxiv).
As was before; iche acre oute thou trace
In this maner of large or litel space.
18.

120 Thi rynes soile be not to molsh nor hardde, But sumdel molsh, neither to fatte ne leene, ${ }^{7}$ But so wel fatte; nor pitche it not downwarde, Nor splatte it not to flatte, but sumwhat lene; ${ }^{8}$
124 Of drie and weete also kepe it the meene.
In bitter soil or salt sette I noo vynes ;
In soiles so corrupt full sory wyne is.

## 19.

The meane is best thyne aier to qualifie, 128 Yit sumdel warme is better thenne to cold. Thenne ayer all weete is better sumdel drie, But vynes fer ${ }^{9}$ of wynde and stormes cold, And erthe and namely woode lande best is hold
132 For pastyning, and werst is holden there As sumtyme olde vyneyerdes were.

20.

Yit if thou tille it of necessitee, $\quad \begin{aligned} & \text { If necessity re- } \\ & \text { quire an old vine- }\end{aligned}$ Lette exercise and eree it ofte aforne,
136 That rootes olde and drosse out clensed be And every filthe ${ }^{1}$ oute of this feeld be torne,
yard to be taken into use again, the things that must be attended to. So vynes yonge in it ther shall be borne. Ragstoon and thinges hardde in colde and hete
140 Relaxed bereth vynegerdes grete.
21.

Molsh cley and stany lande, and stering stones $\begin{gathered}\text { Loose clay, stony } \\ \text { land, and loose }\end{gathered}$ Commyxt with moold and flynt that erthe is under, stonesmixed with Of cold and moist conservatour flyntstone is, mould, underground flint, and places into which
144 The rootes and the sonne it hath asonder, ${ }^{2}$
Eke places unto whome from hilles sonder ${ }^{3}$ hills descend, and valleys filled with water, are all The landes sweete, and valeys that the flood Upfilleth,—all that is for vynes good.

$$
22
$$

148 Lande argillose, and not cley by it selve,
Clayey land, not Ys commodiouse; and there as wrecthed greves Soure ${ }^{4}$ lande to weete or salt is, never delve, And alwey thristy ${ }^{5}$ drie land in repreve is.
152 Undounged sleek wol make hem lene, as preve is; In reed erthe eke a vyne is harde to take, Though afterwarde sumdele therin is wake. clay itself, is advantageous; but never dig where there are wretched groves,or sour, wet, or salt land. Thirsty, dry land is also in disrepute; undunged sleck is known to make vines lean; in red earth they do not thrive at first.
23.

But this lande is full wicked to be wrought,
156 To hardde in heete, and over softe in weete.
Now spek of goode lande, levyng that is nought, As welny rare attemporanntly mete, ${ }^{6}$ The mydday sonne eke stande it with to mete
160 In places cold, and to septemtrioun In places hoote enclyne it sumwhat doune.

Red earth very troublesome to work, being too hard in heat and too soft in wet. Good land is somewhat loose, but in the mean. In cold places let it look to the south, in warm places let it in. cline towards the north.
${ }^{1}$ squalor. ${ }^{2}$ ab invicem. ${ }^{3}$ separantur. ${ }^{4}$ amara. ${ }^{5}$ siticulosus. ${ }^{6}$ mediocris.

In cool (tepid) places let it incline towards the east; but if the cast or south wind annoy, turn them (the vineyards) south-west or west. Remove all obstructions of roots, and tread it down to get rid of weeds. Vineland in the plain to be two-and-ahalf feet deep, on a declivity three feet, on a hill four.

Rank land is best two-and-a-half feet deep, a valley two feet. Vines prove best if set immediately after the spade or plough, ere they become firm or tough. So says the Author from his own experience.

Plant lettuces in January or December, to be transplanted in February; orsow in February and transplant in April. They may be planted all through the year in fertile land, rank, and dunged, but they must be cut even, and manured with liquid.
When set, uncover them and manure. They prefer moist,
longb (?) land. Weeds must be wrung up by the hand, and those that stand thinnest are largest. Or slit the leaves when grown, and press them down with a shell or a clod.
24.

In places cole ${ }^{1}$ enclyne it on the est, Yf Est or southeryn wyndes nought enaye,
164 And yf thai doo, turne hem southwest or west Impedimentes rootes oute thou trie, And tradde it so that wicked herbes die. Two foote and half the feeld, and three the cleves, 168 And imi an hille pastyned deepe to cheve is.

$$
25 .
$$

Rong ${ }^{2}$ lande a foote and half, a valey twey Ffeet deep is atte the best, experte ynough Am I that vynes preveth best if thai
172 Be sette anoon atter the spade or plough, Ar then the lande be wexen sadde or tough. That this is goode whether me plowe or delve Myne auctour saithe he sawe the preef himselve.

$$
25 .
$$

176 Letuce is to be sette in Janyveer, Or December, the plantes to revieve In ffeverer ; either in ffeveryere Let sowe and in Aprill her plantes meve.
180 Eke sowe hem alle the yere weel wol thai preve In ronke and dounged fertil lande, but sette Hem not but even kytte and dounge ywette 27.

Sette if thai be, lette bare hem, yeve hem dounge; 184 Moist dounged londe and longh hem liketh best. The weedes with an hande must uppe be wronge, And thai that thynnest standeth beth gladdest. Or slitte her leves growen so wel prest,
188 And with a shelle or a hutte ${ }^{3}$ adoune hem presse, ${ }^{4}$ And thai wol glade and fate under this presse. ${ }^{5}$
${ }^{1}$ tepidis. ${ }^{2}$ uliginosa. ${ }^{3}$ gleba. ${ }^{4}$ preme. ${ }^{5}$ prelo.
28.

Thai wol be white, as men suppose, yf ye Amonge hem gravel springe, and in the foiles
192 Gravel be bounde, eke suche her seede may be Thai wexeth hardde, and sumtyme on the soile is It longe, or on the tyme; eke every foile is Maade tender twyes if it be transplaunted.
196 Now commeth a crafte is worthi to been haunted.
It is thought that sprinkling gravel amongst them makes them white. They are sometimes hard through the fault of the soil or the season, but every leaf is made tender if transplanted.
29.

In letuce herbes umbigoon wol growe
But ye must take a bay ${ }^{1}$ of gootes dounge, ${ }^{2}$
And with a nal as craftely as ye mowe
200 So make it holowe, and putte in seedes yonge
Basilicon, radish, and rucul stronge,
Letuce and cresse. and dounged weel this bay ${ }^{3}$
Do sette it in as fyne lande as ye may.
30.

204 The raphe is roote, alle other in letuce Upgoothe and all on high thai wol devyde Yche herbe in his coloure, odour, and juce.
Here is an heelful thing, a wonder wride;
208 Yit odir men in other crafte abyde,
As for the same a letuce uppe thai plucke
And from his roote ich foile awaie thai crucke.

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31 .
$$

And pricke her place, and sette in hem thees sedes, 212 The raphe outake, and lappe it faire in dounge

And sette it uppe, thai goo iche as her seede is, And letuce in thair leves umbiyonge. ${ }^{4}$ 0 blessed God! that nature is so stronge.
216 Letuce of lac derivyed is perchaunce;
Ffor mylk it hath or yeveth abundaunce.

Rape is a root, the rest grow with the lettuce, and when out of the ground they will each preserve its own colour, odour, and juice. This is useful and wide-spread, yet others devise differently: they pluck a lettuce and tear away every leaf from the root,
and prick their place and set these seeds in it, except rape, and lap it in dung, and plant it; each grows according to its seed, and surrounds the lettuce. Wonderful is the power of nature. Lettuce is derived from lac, milk.

[^21]Cresses may bc sown anywhere, at any time, in any air; theyrequirenodunging, they like moisture, but can do withoutit. Treat rocket, colewort, garlic, and ulpic in the same way.

Service trees to be sown in January, February, or March, in cold soil; in October or November in a warm, so that their apples may soon ripen in the nursery.

It is found good to plant them in November in hot land, at the end of March in cold, in February in temperate soil. Hilly, moist land, almost cold, is their choice. Where they grow thick the land must be rich.

The large plants require a deeper trench. They grow more for being shaken by winds. If red hairy worms feed within the pith, take some of them and burn them without hurting the tree, and they will either die or not stay.

Now cresses sowe, and sette hem when the list; Of places, aier, or houer have thai noo doubte.
220 Dounging thai noon desire, and though hem list Humor, thai axe it not, eke greet and stoute With letuce up thai goo, and all the route Of rucul, serve it like this, cool also,
224 Garlic, ulpike, eke sowe hem nowe both two.
33.

In Jane, in ffeveryere, and Marche in cold Erthe, October and November in hoote Erthe, is settyng of serves noble holde, 228 So that thair apples riped with foothoote ${ }^{1}$ The semynaire be sette in, eke I wote Myself expert of apples trees have growe Right faire, and brought uppe fruytes right ynowe.
34.

232 Atte November to plannte hem in hoote londe In thende of March in colde in Janyver is And ffeveryer in temper lande fonde Right goode, and hilly moist lande colde welner is
236 Thaire love, and fattest lande her grettest chere is.
Eke ther as serves feirest and thickest Uppe springe is certayne preef of lande fattest.

## 35.

The planntes bigge ${ }^{2}$ a depper delf desireth,
240 And larger space, as wynde may hem to shake, That greteth hem eke as the caas requireth; Yf hery wormes reede her festes make Inwith the pith, unhurt the tree thou take
244 Oute sum of hem, and brenne hem nygh beside, And either wol thai die or nought abyde.
36.

Yf thai nyl bere, a wegge ${ }^{1}$ oute of a bronde If it will not bear, Ywrought dryve in the roote, or sumdel froo
248 Let diche and fild with asshen let it stonde, Eke graffe hem in Aprill is goode to doo In white thorne, in hemself, in quynce also, In trunke or rynde ${ }^{2}$ : her fruyte eke yf thou wolle
252 Have kepte, a party hardde thou must hem pulle.

$$
37 .
$$

And whan thai softe hem, putte in puttes lite Of erthe, and cley her mouthes, sette hem depe Two foote and under sonne as thai delite,
256 And tradde hem fast above, and lete hem slepe; Eke slitte and sonne-dried thou maist hem kepe, And when the list in water hoote revire ${ }^{3}$ Thai wol, and taste even as the list desire.

$$
38 .
$$

260 Sum have hem greene ypuld, and stoon and alle Thai honge hem uppe in place opake ${ }^{4}$ and drie And wyne mellite, as saide is, save hem shall; Aysell and wyne eke oute of hem men trie,
264 As oute of peres but if bookes lie.
Thyne almannd tree thou sette in Jannyver ; And yet as goode for that is Feveryere.

Some pull them green and hang them, stones and all, in a dark, dry place. They are said to make a sweet wine, also they produce vin. egar and wine, unless books lie. Almonds may be set in January or February, but

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39 .
$$

In October and November thai sette
268 Hem there as lande is drie as well the seedes As scions from the grettest roote ysette; But for this tree the semynair in dede is To delve a foote and half depe wherin need is
272 An handfull depe, two feet to sette asonder; Eke south and sonne is goode to sette hem under.
drive a wedge wrought out of a fire-brand into the root, or ditch it, or heap up ashes round it. Graft them in April on whitethorn, or on themselves, or quince, on the trunk or rind. If you wish them to keep gather them partly hard.

When soft put them in small earthen pots, clay them over, and tread them down in a hole two foot deep. You may keep them slit and sun-dried, and their flavour will revive in hot water.
40.

Theylove chalky, hard, dry, soil, and a hot climate; as they ripen quickly, transplant a few young plants; leave as many as your land will hold. Set only large new ones, and remove them in February.

Steep them in mead a day before setting, but water it well. Some keep them three nights in liquid manure; the fourth night they are steeped in mead and set in the seed-bed.

Water them every month three timesin drought; dig, and weed, and dung them. Plant them twenty, or at least flfteen feet apart. In November cut off the dry, superfluous boughs.

If beasts bite them they will be bitter. Dig not round them when they flower. They are fair when fertile, and when they are barren drive a pin of a firebrand through the root, or insert a flintstone so that the bark may grow over it.

The feldes calculose, eke harde and drie Thai love, and hattest ayer, forthi ${ }^{1}$ thai ripe
276 And floureth with; eke of the yonge oute trie Oon here, oon there, and elles where hem dripe.
Let stand as feel as may thi lande begripe. Sette eke noon almondes but greet and newe, 280 And hem is best in Feveryere remewe.
41.

A day afore her setting, hem to stepe In meeth is goode, but watter it wel for this. Muche hony might hem harme, and sum hem kepe 284 Three nyght in molton ${ }^{2}$ dounge, and doo not mys; The IIII $^{\text {th }}$ nyght in meeth is steped is; Thenne is it in the semynair ysowe Or sette in goode tyme up shall it growe.
42.

288 And watter hem every moon in droughtes thrie, Eke delve hem alle aboute and weede hem clene, Dounge eke thi semynair to multiplie Hem in, but plante hem twenty foote atween, 292 Or at the leest asonder hem $\mathrm{x}^{\mathrm{ne}}$. In November kytte of the bowes drie, Superfluent, and thicke, eke utter trie.

## 43.

Yf beestes bite hem, bitter wol thai be, 296 But mylge ${ }^{3}$ hem not in tymes when thai floure, For therof wol anoone the blossom fle, Her fertile age is faire, and for the honoure The bareyne with a firebronde pyn socoure, 300 Dryve in the bored roote, or a flynte stoon So doo that him the bark may overgoone.

[^22]44.

In places colde if frottes be to doute,
As Marcial saith, this is remedie.
304 Or flouring tyme her rootes bare aboute
To make, and stoones white accompanye
With gravell to this roote forto plie;
And whenne that burgyne oute wel like to preve,

If there be fear of frosts, Martial says, make their roots bare before flowering, and apply white stones and grarel to the root, and when they blossom remove the stones or gravel.

308 Thees stones and gravel me may remeve.
45.

He saith also thaire tender fruite to make
Or then thai floure, alle bare hem atte the roote, Warme wates certayne daies on hem slake,
312 And bitter yf thai be, this be thaire boote:Three fringers from the stocke the lande remote Lete make a cave, evel humor oute to sweete, And this wol oute of bitter make hem swete.
46.

316 Or bored through the stocke, an honyed pynne Dryve in, or daube her roote in swyne dounge. But whenne thair fruyte is ripe, as take it ynne, And that is when thaire huske is drie and clonge;
320 Withouten care a man may kepe hem longe; And yf thaire huske of easily nyl goone, Ley hem in chaf, and it wol of anoone.

## 47.

Weshe hem in see licoure whenne thai be clene,
324 Or water salt, and white thai longe endure.
In December, or Janyveer demeane,
Or Feveryere in cold londe, a mesure
To graffe an almont tree whoos graffes pure
328 Oute of the toppe, eke graffe in stocke or rynde In peches, and eke in thaire propere kynde.

Or drive a wedge smeared with honey through the stock, ordaub the root with swine's dung. Take in the fruit when ripe, i.e., when the husk is dry and sere. If the husk will not come off easily, lay them in chaff.

Washing them in sea-waterorbrine makes them white. Graft almonds in December or January, but in cold lands in February, whose grafts take from the top. Graft them in the stock or rind on peaches or other almonds.

He also says, to make them tender, some days before they flower, let them all have warm water poured on their roots; and if they are bitter, make a cave three fingers from the stock, for the evil humours to sweat into.
48.

Greeks say we may make almonds grow inscribed with letters by taking out the kernel and writing on it, and then closing it in clay and swine's dung, and replacing it. The walnut is planted in January.

They love hills, and cold stony land with moisture; they live also in temperate places. Sow them in the same manner as almonds. In November dry them in the sun. In January and February it saves time tosteep them one day before they are put in the ground.

Sow them transversely, one side in the ground to look towards the north. Put a stone on a tile under the root, that it may not go down a mere stalk, but may spread. They are more luxuriant transplanted. Transplant in hot lands at three, in cold at two, years old,
Leaving the root uncut, though in other trees wecut it; we must set one plant in oxdung and ashes therewith to separate the heat of the dung, lest it burn. The ashes will fret the tender plant, or Immensity will bring forth abundance from small conceit.

This Greekes sayne: almonndes me may make With lettres growe, her shelles to disclose 332 And write upon the cornel hool outetake Or this or that, and faire aboute it close In cley and swynes dounge and so repose, And in thaire fruyte thi lettres wol be clere. 336 The nutte is to be sette in Janyveer.

## 49.

Moist, hilly, cold, and stony lande thai love, With humoure eke thai lyve in tempre stedes. Eke sette hem so and thenne, as saide above 340 Of the almonndes is, in November eke nede is To sunne and drie hem sumdel, also spede is In Janyver and fferyer to steepe Hem oon day into lande or then thei crepe.
50.

344 Sette hem transverse oon syde intort the grounde, But sette thaire tree, to looke on the Aquylone; A stoon or tyle under the roote enrounde, That it goo nought douneright a stalke alloone
348 But sprede aboute; eke gladder be ther noone Then thai transplanted ofte, at three yere old In hoote lande hem transplaunte, at tweyne in cold.

## 51.

Thaire roote uncutte, yf other treen me cutte,
352 Oon plante in oon oxe dounge is doune to sette, And askes with, the heete a part to putte Of dounge indoon, lest it adure ${ }^{1}$ and lette. This aske in tender rynde a tree wol frette,
356 As men beleve, or fruytes densitee
Fforth brynge on smal conceyve ${ }^{2}$ immensitee. ${ }^{3}$

[^23]52.

In delves ${ }^{1}$ deepe is sette thair appetite Thaire magnitude a larger lande requireth. 360 Eke to noo tree thaire dropping is delite, Her brere thorne and her owne kynde it ireth ${ }^{2}$ And in thaire age a mylging thay desireth, Lest thai therein all hoore yberded goo; 364 And chanel eke thaire tunicke unto the too.
53.

The bonfice of sonne and wynde wol harde ${ }^{4}$ Hem sure ynough that were in way to dede. And yf thi nutte is knotty or to harde, 368 To slitte his rynde evel humours oute to lede, The rootes forto croppe eke sum men rede. ${ }^{5}$ A stake of boxe do thorough this bored roote An yren nayle or topton: here is boote.
54.

372 And yf thou wilt have nuttes tarentyne, Ffor antes ${ }^{6}$ lappe a kyrnel save in wolle, And in thi semynary it recline; Eke chaunge a beryng nuttree if thou wolle
376 Into that kynde, as wete it atte the fulle Thrie every moone a yere in lie ${ }^{7}$ allone, And tarentyne his nuttes wex ichone.

$$
55
$$

And when thaire huske agooth hem thai beth ripe,
380 Eke so thai must be sette, and hem to kepe
Lete close hem in a barel or a pipe
Made of thaire owen tree, or lette hem slepe In greet, or chaf, or oynyons yf thai wepe,
384 Ffor thai thaire bittre soure wol mortifie,
They like deep holes on aceount of their size, and their dropping is favourable to no tree, even of their own kind. They require milging (diegsing) in their old age, lest they become gray-bearded.- Make a groove in them from top to bottom.

Sun and wind will harden those that were near dying. If the nut be too hard, slit its rind. Some advise to cut the root, and drive a stake of box through it, or an iron or copper nail.

For Tarentine nuts wrap a kernel in wool against ants, and lay it into the seed - bed. To change a bearing tree into that kind, wet it thrice every month for a whole year in lye. Or kepe hem in her owen leves drie.

When the husks drop, they are ripe : then set them. Keep them in a barrel made of their own wood, or in sand, orchaff, oronions, if they be sour ; or in their own leaves.
${ }^{1}$ scrobibus. ${ }^{2}$ irritat. ${ }^{3}$ gremii fossuram. ${ }^{4}$ durescere. 5 consulunt. $\quad 6$ formicas. $\quad 7$ lixivo.

Martial says that nuts placed green without shells in honey remain green, and a drink made of this liquor will cure the veins and gums. Graft them on plums, or on themselves, or on crabs in January.

Now graft tubers on quinces, and sow peach-stones; now almonds and plums will take a peach-graft. It may be grafted also on damsons, and on the vine called pracoqua. Now graft cherries, wild peaches, and plums before they produce gum.

Columella says this is the time to mark lambs and other beasts, to make sauces of rape, and to keep theechinus, or urchin-fish, and lard and bacon in just confection.

In January oil of myrtle-berries is made in thisman. ner: take an ounce of leaves, a pound of oil, and shake an ounce of berries in half a pint of old wine, and make it all boil at once. The wine prevents the leaves from burn. ing away before boiling.
56.

And Marcial saithe nuttes shelled greene,
As greene, in hony putte, aier endure,
388 And drinke of this licoure wol cure up clene
The pipes and the gomes, as is sure
This Marcial expert upon this cure.
In plomtree, in thayme self, in crabbe tree
392 At Janyveer ygraffed may thai be.
57.

Nowe tuberes in quynces may me graffe, Nowe sette in peches boon, ${ }^{1}$ now almounde tree And plomtrees wol conceyve a peches graffe, ${ }^{2}$
396 In damacene eke graffed may it be,
In præcoqua the vyne eke men it se.
Nowe chiritree to graffe, and peches wilde And plumtree eree in gumme it goo with childe.

## 58.

400 And nowe is tyme, as telleth Columelle, The lambes, and the beestes more and lesse To marke, and rapes make wele to smelle In condyment is nowe the tyme expresse.
404 Echinus, erchon fisshe is, as I gesse ;
This fisshe, and lardde, and flitches salt to kepe In just confection now taketh kepe.
59.

In Janus oil confecte of myrtes bay is
408 In this maner : an unce of foiles take, A pounde of oyle, and $x$ unce of this bay is, In half a sexter aged wyne do shake, And alle this thing to boile atte ones make.
412 This wyne is in this werk lest foiles drie This boyling wolde eschewe, and brenne or frie.

[^24]
## 60.

Now myrtite wyne is made of myrtes bayes, Three sexter baies broke in $x$ of wyne
416 That aged is so steped xix dayes, Wrynge oute the myrte and clense it, put therein A scriple of foil and half a scriple of fyn Saffron; to this $x$ pounde of hony sweete 420 And best, this wol be plesaunt drynke and sete.

## 61.

Of laures bay an oil is now confecte:
Take of the laures bayes feel and greete And ripe, in sething water hem dejecte, 424 So lette hem sething longe tyme swete, And after that the swymming oil doo gete Into sum thing with fetheres faire and clene, And in sum goodly vessel it demene.

$$
62 .
$$

428 Oil lentiscyne is made in this manere: Lentiskes greynes feele and ripe aslepe Thou bryng a day and nyght to heet yfere; The honging in a basket lete hem wepe,
432 But in some honest thyng thaire teres kepe, As oil lauryne is lentiscyne of take, Whoos vigour hoot water must underslake.

$$
63 .
$$

Now hennes legge upon ${ }^{1}$ thaire wynter rest;
436 Nowe forto hatche are hennes obroode; ${ }^{2}$
Nowe make is to falle in season best
Ffor pale, or hegge, or house, or shippe in floode.
In olde eke of this moone is this most goode.
440 This moon and December wer oon in space Of houres in myne auctours tyme and place.

Myrtle wine is made by breaking three sextarii of berries in ten of old wine. After steeping nineteen days, strain off the myrtle, and put in a scruple of leaves, and half a scruple of fine saffron ; add ten pounds of best honey.

To make laureloil : take several large, ripe, laurel. berries; throw them into boiling water; after long boiling, collect with a feather the oil swimming on the surface.

Lentisck (mastick) oil is made by letting several ripelentiscksheat a day and a night; then let them hang and drip into a basket; catch the drip. pings, and mix with hot water.

Now hens lay and brood. Now is the best time to fall timber, at the end of the month. In the Author's time and place the hours of this month and December were equal.
60.

The length of the shadow of the hours of the civil day on the Roman sun-dial in January.

The firste houre xxix foote is fixe, $\mathrm{xIx}^{\text {ne }}$ an other houre, and thries v
444 The thridde houre is, the fourthe is twies vi; The fifte is x , the sixte is Ix asblyve, The vir as $v$, and viri as $\mathrm{IV}^{2}$ upthryve, ${ }^{3}$ As III is nyne, as II is ten, ${ }^{4}$ the forme ${ }^{5}$
448 Thelleveth ${ }^{6}$ is with, ${ }^{7}$ let Pallady say for me.


## FFEBERYERE.

## BOOK THE THIRD.

De pratis servandis et letamine saturandis.
on manuring meadows and ploughing hills.

$$
1 .
$$

Atte ffeveryere in places temporate
The medes forto kepe is to begynne, And fede hem that be lene at poire astate
4 With dung, as Luna gynneth wex and wynne ${ }^{1}$

In temperate places the meadows are to be kept clear in February; and lean, poor land is to be manured at the rise of the moon.

Upon the nyght; eke never gretter wynne ${ }^{2}$
Is to the graffe; and ley it on the syde Above, all thourgh that juce of it may glyde. ${ }^{3}$

De proscindendis collibus.
2.

8 Atte places warme, in daies lithe and drie, Ys nowe the hilly landes uppe to eree, Trymenstre seede in erthe is nowe to strie ; ${ }^{4}$ Now wold also thi puls be sowen there
12 As thynne, and resolute, and fatte it were; And namely drie. And whi? Lest luxurie And humour excessyve go make it die.

## 3.

Thay may be sowe until the moone be
16 Atte daies xII; and forto make hem greet And uppe anoon, comyxt thou must hem se With drie dounge, and therin lette hem sweet Till daies foure: as for au acre mete
20 A strike of hem. " It shall be so sufficed. And chiches sowe afore as I derysed.

[^25]> Now is the time to plough up hilly land in warm places, and to sow all three-monthly seed and pulse in thin, loose, rich, dry soil.

## Let them sweat

 in dry dung for four days, and sow a strike of them for an acre. Also sow chichlings as before directed.
## De serendo canabo.

4. 

At the end of the month sowhemp, six seeds in a square foot. Now land that is destined for medica, or clover (of which I will inform you at sowing time) is to be diligently ploughed, harrowed, and cleared of stones.

By the first of March, in soil prepared in gar-den-fashion, let the flowers spread in tenfoot beds to the length of fifty feet for convenience of weeding and watering. Dress it with dung, and keep it so until April.

Tares sown in March might make beasts mad. Brine cast upon the roots will not injure vines, as somesuppose, but make them fruitful.

Cast olive-dregs amongst the trees, especially olives, in cold days, ere the heat arrives. Sow Galatian barley about the first of March in cold land, and it will grow white and firm.

Last in this moone eke Hemp is to be sowe In dounged, fatty, playne, weet, and depe lande;
24 A foote of square in sixe sedes may growe.
Nowe londe, that medycyne is fore yfond,
(Wherof atte sowyng hem to understande
I wol ye doo) ye must it plowe eftesones,
28 Eke diligently clodde ${ }^{1}$ it, pyke oute stones.

## 5.

In Marche kalendes in the soile ydight
In gardyn wyse is floures forth to sprede
X foote, and stretche hem L feet forth right,
32 Ffrom either syde all easely to weede,
And watter it as ofte as it is nede.
This land thus sette, old dounge is $\mathrm{it}^{2}$ to serve And greythed thus tll Aprill to reserve.
De hervo, de curandis vitibus et arboribus. 6.

36 Yit in this moone is forto sowe tares And not in March, lest thay ennoie thi beestes, Thi oxen might be woode therof as hares. Now olde bryne atte tree and vyne a feest is, 40 Uppon thaire root as ofte as eree it kest is. Sum men suppose bryne hem sholde appeire, But it wol make her fruytes feel and feir.
7.

Oyl dregges fresshe is profitable holde
44 To kest amonge, and rathest in olyve;
But this a man must doo in dayes colde, Or thenne the fervour hoote on hem aryve. Now barly Galatyk is forto thryve, 48 Abouten Marche kalendes yf me sowe It in cold londe, white and sadde wol it growe.

[^26]8.

This moone eke alle the soiles pastynate With vynes wolde be fillde, whoose goode nature
52 No lande nor ayer forsaketh, so thaire state Be shaped in convenient mesure.
The vyne in playne is sette that may endure Eke myst and frost, but sette in hilles hie
56 That wyndes may endure and dayes drie.

$$
9 .
$$

Sette in the fertil feeld smale and fecounde, The sadde and beryng vynes in the lene, ${ }^{1}$ The bowy ${ }^{2}$ bigge in densed erthe abounde, 60 And sonnest ripe in cloudy cold demeene, Or hardde graped stormes to sustene;
The moist in hoote, the tough in wyndy londe, And vyne it drie, in rayne it may not stonde.

$$
10
$$

64 And shortte to sai,-se the profession Of every vyne, and wherin thai myscheve
As counter it by goode discrecion.
In lande plesaunt and serenous thai cheve,
68 In every kynde as easy is to preve.
The vynes' kyndes is not forto telle :
To nomber hem therfore y nyl not dwelle.

$$
11
$$

But knowe is this that grapes faire and greet
72 Pypyned hardde and drie it is to take
Unto the borde; and tender grapes weete
That savour best and sonnest wolde asslake
And dwyne awey, of hem thi wynes make.
76 The place chaungeth kynde of sum vynes.
Vyne Amynee hath ever fairest wynes.
-Any soil properly prepared may in this month receivevines. Plant the vine in the plain that may endure mist and frost, on hills that which may endure winds and drought.

Set in rich soil the sinall and fruitful; in poor land the firm and bearing; the branching in dense earth; the early-ripening in cold, misty ground, or those which have hard pips. Plant the moist in hot land, the tough in windy, and in dry those which cannot stand the rain.
In short, note the character of every vine, and encounter its defects by good discretion. It is easy to prove that they prosper in an appropriate and serene soil. I will not attempt to number them.

Fair, large
grapes, with hard, dry pips, are best for the table; but tender, succulent grapes of good flavour, and that soonest fade, are best to make wine. Vines are changed bysite. Aminæan make best wine.

[^27]They are always good, but endure heat better than cold; and after being in fat land, they will not hold on in lean without dung. There are two kindsgreater and less. The lesser decays sooner, and has clean small knots, and little grains. When alone it requires a moderate soil; when trained to a tree it requires a rich one.
It despises wind and rain; but the greater sort is often killed in blossoming. Apianian vines are also excellent. It is sufficient to mention these. Aknowing man adopts things proved, and will see that the land to which vines are transplanted does not differ too much from the original soil.
So they will preserve their merits. And always change from poor land to rich, not the contrary. Take scions from the middle, not too high nor too low.

Take them at the fifth or sixth knot from the old wood; so they will not degenerate. Take them from a vine of decided fertility.
12.

Thai change not, but better hoote then colde Thai may abyde; and after fatte, in leene, 80 But dounging helpe hem well, thai nyl uot holde. Two kyndes are of hem, a more and meene. ${ }^{1}$
This meene effloureth sone, and knotteth clene And smale, eke greyneth lite; in meene londe 84 Allone, and with a tree fatte must it stonde.

$$
13 .
$$

This smaller vyne eke hateth wynde and rayne;
The grettest of this Vynes Amynee
In blossomyng or flowryng ofte is slayne.
88 Vyne Apianes profitable be.
Suffice it forto name up thees three.
A witty man taketh preved thinge, and channge He maketh, that lande from lande be not to strange.

## 14.

92 Suche erthe as thai come oute of sette hem too, And in thaire merites thai wol abyde. And vyne or tree to channge yf thou wolt doo, From leene land to fatte thou must hem gide.
96 From fatte to leene is nought; lette that crafte slyde.
Scions to sette oute of the myddel trie, And neither of to lowe nor of to hie.
15.

Take hem that gemmes ${ }^{2}$ v or vi ascende
100 Ffro the elder brannche; and yf thou take hem soo, Withouten channge hemself thai wol extende; A vyne abundant eke thou take hem froo, And take not hem that bere a grape or two,
104 But hem that kneeleth down for ubertee. Oon bough may better thenne an other be.

[^28]
## 16.

And this a signe is of fertilitee:
In places hardde yf fruytes multiplie,
108 Iche bough eke from roote uptrailed be
With fruyte; and thoo lete marke and signifie
Atte settyng tyme oute forto trie.
But see that ther be noon olde upon the ende,
112 Ffor it wol roote, and alle corrupte and shende.

## 17.

The squorges ${ }^{1}$ hie and graffes from the folde, Though thai wol growe, and scions pampinary ${ }^{2}$ With fruyte, for fruytfull lete hem not be told, 116 Ffor thai from fruyte to barynesse wol vary Whenne thai be sette, and then hem wol thou wary. But writhe not the hede of the sarment, Whenne it is sette, nor doo it noo turment.

## 18.

120 And vynes wolde be sette in plesaunt dayes And warme, unbrenned in sonnes or wynde As cutte and sette; or if thai have delaies, So save hem moist that thai may kepe her kynde.
124 While spryngyng tyme endureth have in mynde In places colde and moist and fatte by wette With shoures often vynes forto sette.

## 19.

The scions shall be sette a cubit longe;
128 And there as lande is fatte doo sette hem wide.
And thicke and leene lands so that amonge
Hem in thi pastinated lande devyde
Three foote of open lande on everie syde;
132 So shall thou in acre tabul mette MMM and LX scions sette.

Plant vines on fine warm days, before they are burned by sun or wind. If there be delay in planting them keep them moist. During spring bear in mind to plant vines in cold, moist, rich places.

The scions to be a cubit in length. Where the soil is fat set them wide apart. In lean land leave an open space of three feet on every side. So in a bed which measures an acre you will plant 3060 scions.

It is a sign of fertility when fruit multiplies out of hard soil, and each bough rises from the root with fruit. Try to signify this by marks at the time of planting. But see that none of the old wood be left upon the cutting, for it would rot and injure all.

Fold from thee (i.e. reject) the top shoots and grafts, and let not leafy scions be considered fruitful; for they will degenerate, and you will curse them. Do not bend the head of a cutting.

[^29]20.

If they be planted two-feet-and-ahalf asunder, 5006-24cuttings will fill up an acre. And whether you plough or dig your land, extend a line over and along the space reserved, and put a stick where each vine is to be.

Then lay down the scions and insert one in the place of every stick. If all the vines were of one sort, a bad year might destroy all. So take care to bave four or five good vines, each sort by itself.

Grait old vines bed by bed. Thus the early ripe grapes may yield us their fruit easily in the bed, and thus there will be better wine and business, as experienced tillers know.

Two foote and halfe if thai be sette atwynne, $V^{M} 6$ save twyes twelve
136 Sarmentes wol fille up the lande withinne An acre table tilled by it selve: And wethir thou thi landes eree or delve, Overward and afterlonge extende a lyne, 140 And putte a sticke in place of every vyne.
21.

Then kest adoune the scions here and there, And ympe in oon in every stickes place. Oon maner vyne yf alle thi landes bere, 144 A wicked yere myght come and alle difface; So dyvers vynes sette in divers space, And vynes goode of iv or v have mynde, And severed by hemself sette everie kynde.
22.

148 Thi vynes olde eke graffe hem table mele; ${ }^{1}$
It wol be faire, it wol be profitable, Thus easely thaire fruytes may me dele The rathest riping grapes in thaire table,
152 That other may come after as thai able;
Thus better wyne and besinesse
Shall be as knoweth tilliers expresse.
23.

But this in pastynyng and ereed londe
156 Is rewle, and not there as be delves made.
Sarmentes there in angles mir stonde, And, as saith Columelle, it is to glade Hem , if the londe be leene in every slade, 160 With fatte erthe, yf me fetche it elleswhere Ffro places ferre or nygh, and brynge it there.
24.

Wyndraf ${ }^{1}$ is goode also comixt with dounge, But yf thou sette a plant or a slevyng,
164 Put in a litel moisty molde amonge,
But doo noo cley therto for anything.
Two gemmes ${ }^{2}$ upon erthe eke forto springe To leve(s) is goode; the sonner wol thai take. 168 Nowe cometh a crafte arbustes ${ }^{3}$ forto make.

De arbustis, vitibus et plantis arborum vitiferarum.

$$
25 .
$$

That yf the list to have a grove of vynes,
Lete plantes in the seminarie sette,
But trie hem oute of it that gentil vine is.
172 And whenne thai roote and wexe a litel grete, To stande aboute her tree lete hem be sette.
The semynair is even dolven londe
Two foote and half deepe planntes in to stande.

$$
26 .
$$

176 In that thi scions or thi planntes may Be sette a little asonder, gemmes ${ }^{4}$ three Of scions under moolde is sette alway. And yeres two whenne that thai rooted be, 180 Translate hem be thai scions, be thai tree. The scabby braunches and the wexed rootes To cut away for dyvers harmes boote is.

$$
27 .
$$

Two scions in oon diche ${ }^{5}$ it is to sette
184 That neither oth'r touch a sounder soo Thaire growing forto encumb'r or to lette, But faire up by the sydes lette hem goo. The first yere fille it not, as saith Mago, ${ }^{6}$
188 But fille it full uppe at the yer(d)es end; The depper wol the roote of hem descende.

[^30]28.

But this is convenient in hot land, not in cold. There moisture will rot the plants: and there I advise to cover the roots. Choose for planting the ash, poplar and elm.

Their plants should be set in this month near your vine, and in corn-land an elm should be 40 feet away from another. But in poor land plant them 20 feet $a$ part.

But this is in hoote lande convenient
And not in colde, thair moist wol purifie ; (putrify)
192 The rootes hele hem there is myn entente.
And planntes forto sette also thou trie.
Asshe, popler, elm, thoo three wol multiplie,
As semeth me, in every maid lande.
196 Yit Columelle is so not understande.
29.

Her plantes in this moone it is to sette Not ferre thy vyne, and in thi felde for corne If thai be sette, a xu foote of mette
200 Iche elme away from oth'r must be borne.
So may thou sowe, and not thi seede be lorne,
In landes fatte; and yf thi lande be leene, Thenne sette hem not but $x^{\text {ti }}$ foote atwene.

$$
30 .
$$

204 A scion sette it vi feet from the tree, Lest that the tree encrece, and it oppresse, From beestes kept with dichyng must it be; The ryne eke to the tree with bondes dresse.
208 A bettir crafte is for this besinesse
Lette make a skeppe of twygge a foote in brede, And sumdel lesse alle though it be, noo drede.
31.

This bring unto the tree with vynes spredde, 212 And thorowe the bothom therof make a gappe, That thorowe that gappe a scion may be ledde. This (s)keppe unto the tree thou bynde and happe, And fille it with quyk moolde, and therin wrappe 216 This scion in the skeppe a lite ywounde ${ }^{1}$ Or writhed in this litel skeppe grounde.

[^31]32.

Within a yer weel rooted wol it be
In with this skeppe, under whoos bothom sholde
220 Hit be so kytte and borne unto the tree
Ther it shal growe, and set it faire in moolde, The skeppe and all,-so wol it take and holde, Withouten doute, as fele as er the list.
224 Doo serve hem thus, and in thaire growyng triste.
De vineis provincialibus.

$$
33 .
$$

Provyncial of is dyvers kynde of vynys:
The best is like a bosshe ythied breefe.
Till it be stronge, susteigned first this vyne is, 228 And stronge allone it stonte in his bonechief, Next it beth borne up vynes best of preef, Upbounde, orbicular, and turnede rounde. And last is it that streght lithe on the grounde,

De putandis vineis communibus et humilitus.

$$
34 .
$$

232 In landes temporate and sumdel cold Good tyme is nowe the vynes kitte to be.
And there thai multiplie manyfold,
Thoo vynes that Septentrion dothe se
236 To kutte in springing tyme ains the;
That oth(e)r part that loketh on the sonne
To cutte in hervest newe is not begonne,

$$
35 .
$$

And strength allway the theigh in the kytting.
240 Two hardness in oon vyne is not to make. The crooked, febul, fatte, and mys growing, And eke the greyne branche away thou take. The lower branche in goodly place awake.
244 Let suffre that a gemme or two extende, The vynes to repaire or forto amende.

Within a year it will be rooted within the skep, from under which it should be cut and taken to the tree where it is to grow. Set skep and all in the ground, and doubtless it will take, and bear as mary vines as you like.

Provincial vines are of divers kinds. The best is where the vine is like a bush with a short thigh. This vine is supported till it be strong, and when strong it stands alone. Next are vines tied up on canes and circular. Last are those that lie on the ground.

In temperate and cold lands it is now time to prune vines. But where there are several, cut in spring those that look towards the north; in autumn those that look southward.

[^32]36.

In mild places they maybehigh; on lean lands, or hot, steep, stormy places, low. In rich soils there is no need of more than two branches to each arm. It is profitable to judge a vine's strength, - what will make $t$ stand or fall.

It is enough for the high and fruitful vine to spread into eight branches. Let nothing grow about its thigh, unless the vineyard require to berestored. If the stock be hollow, cut off the dead wood. Oil-dregs will heal the wound effectually.

Take away the torn and hanging bark, and there will be fewer dregs in the wine. Take away the moss also, and if you have to cut the hard wood, let the wound lean downward obliquely and be round. Cut off dry, scabby, and old claws (roots).

Vines four feet high may have four arms: a lean one may have one branch on each arm, a fat one two. But if you train them all on one side, they will die like a thing struck by lightning. Do away, therefore, with that feeble hus bandry.

In easy places hier may thai traile, In lene, or hoote, declyne, or stormy stedys 248 Lete hem be lowe; also this wol advaile. In place fatte of iche an arm no nede is Of branche moo than two. Also it spede is To deme upon the bygnesse of the vyne, 252 As what wol make it stande, and what declyne.
37.

The ryne hie and of fecunditee In brannches viri ynough is to dilate, Aboute his thegh ${ }^{1}$ lette noo thing growing be,
256 But yf it axe to be revocate, And yf the stok be holgh or concavate, Purge of the dede, oildregges on the wounde With erthe ydoon wol hele it uppe by grounde.
38.

260 And take awaie the torne and honging rynde, The dregges wol the fewer be by grounde, The mosse awaie doo that where ye fynde, And in the harde if that thou make a wounde, 264 Adounewarde sumdel lenyng must it rounde, The clawes drie and scabbed olde busely Kytte all away, and kepe up that is wely.
39.

And if thi vynes footes Iv ascende,
268 Thenne armes iv is goode forth forto streyne, Yf it be lene in iche an arme extende, A branche, if it be fatte, extend up tweyne. But alle oute of oon syde if thou hem treyne, 272 As thing with leyt ${ }^{2}$ forsmitten, wol thai die, For thi doo way that feble husbondrie.
40.

Upon the harde, or on the toppe ne leve ${ }^{1}$ Thi scions. Whi? for that is to feconde. 276 The toppe with litel fruyt wol all for leve. ${ }^{2}$

Amyddes wol the best scions be founde.
A lite above his gemme eke make the wounde, And turne it from the gemme in caas it wepe; 280 The turnyng may the teres under drepe.

## De putacione arbusti.

 41.The vyne ysette into the tree to growe, His first matier at the thridde or secounde, Gemme is to cutte, and everie yere alowe
284 It up to encrece, and wynes forto abounde, Yf thou wolt have on bowes hem fecounde.
But fewer forto have and gretter wynes Into thi trees toppe lede uppe thi vynes.
42.

288 In bigger bowes fele, and fainter fewe

Do not leave the scions on the hard wood or on the top; for that will furnish the top with little fruit, or cover all with leaves. Scionsare bestin the middle. Make the wound a little above the bud, and turn it away from the bud, that the tears may drip under it.

Prune the new wood at the first or second bud. But to have fewer but largergrapes, lead up the vine to the tree's top.

Brannches doo traile, and cutte hem bei this reason :
To that the grapes were uppon by rewe
The forme yere, now cutte hem this season.
292 The rainal from the fressher bough to leson
Ys goode, and everie yere hem forto unbinde
Is comforte and refresshing to thaire kynde.
43.

And make the tree that euerie bough extende
296 By oth'r forth as lyne leide be lyne.
An elm in fatte lande vrIf feet may ascende, In lene lande atte vir him declyne. In dewy, clowdy lande thi tree for vyne
300 Kytte it that est and west his bowes ronne. The vynes sides bete uppon the sonne.

The branches that bore the former year ought to be cut the succeeding season. It refreshes the vines to unbind them every year.

[^33]Let notone bough be led in the line of another. An elm may be eight feet in rich land, seven in poor. In danip land let the branches of the tree for vines be trained east and west, and the sides of the vine be towards the sun.

Let not the vine grow too thick. If one tree fail rear up another. On hilly ground make them low; in plain and rank land they may be higher. Let there be no hard shreds.

To vines dight in provincial fashion, which stand up like a bush, leare four arms, and as many shoots as possible. Cut in the ordinary form those which are borne on canes in a circle. Leave two buds the first year on vines whichlie straight (unsupported) on the ground.

Columella would have a young vine after the first year formed to one wood; and not, according to others, cut down at the end of the second year, so that it either dies or becomes leafy. Better leave a bud or two, especially in large vines.

Support them with canes or stakes, and after three years give them strong wood. At four years, in strong land, they take three woods. The loppings, and briars and roots and all impediments, should be taken immediately out of the way of the digger.
44.

To thicke uppon the tree doo not the vyne, And yf oon faille, up reree an oth'r tree;
304 And make hem lough in cleves that declyne, In plaine or ronke lande hier may thai be, But bondes harde in vyne is not to se. Do bondes softe and esy forto were
308 Theron, lest bondes harde it kerbe or tere.

## De putacione provincialium vitium.

 45.A dight vyne in provinciale manere, That like a bosshe upstonte, imi armes make, And brannches leve on hem as thai may bere.
312 The vyne orbiculer with canne or stake Upborne, in commune fourme her cuttyng take. The streght ryne on the grounde gemmes twoo The frist yere leef, and after mo and moo.

## De novellce putacione.

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46 .
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316 A novel vyne, as telleth Columelle, After the formest yere to oon matiere (The) fourme is goode, and not as other telle, The seconnde yer to kytte of alle yfere,
320 That thai or dede, or pampinary, were:
But better is to lette a gemme or twoo.
In bigger vynes rather this is do.
47.

Ffirst helpe hem uppe with canne and litel stakes, 324 And yeve hem streng yeres after three.

At yeres mirr uppe IIr matiers takes
On hem, alle ronk yf that the landes be. The brannches eke kitte of fro vyne or tree, 328 And brere, and roote, and alle impediment In haast is from the delver to been hent.

## De propaginibus.

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48 .
$$

Nowe husbondrie his olde vynes plecheth. ${ }^{1}$
The long endured, olde, for freeten vyne
332 Is not to helpe, as Columelle techeth, To delve it under alle, but to reclyne It like abowe, and under lande it myne. Ffor, as he saithe, the cors I delve in grounde, 336 The rootes wol abounde and alle confounde.

$$
49 .
$$

He saithe also that after yeres tweyne This bowes into brannches wol abounde. But tiliers upon this thing compleyne: 340 That if me cutte hem after the secounde Wynter, thai wol be seke and in the grounde Her rootes faile, and sodainly thai die. Ffor graffyng now cometh crafty husbondrie.

> De insitionibus.
> 50.

344 As in this moone in places warm and glade Thi graffing goode it is to solemnyse, Three maner graffynges may be made, An tweyne of hem is now to do the gyse, 348 In somer doon the thridde hath his devyse, Oon in the stok, oon graffeth under rynde; Emplastering an other dothe in kynde.
51.

Thus graffe under the rynde a bough or tree,
352 There cicatrice is noon but plaine and clene.
So sawe it that the bark unbresed be, And smothe it after with thi knyves kene. A wegge of boone or yron putte bytwene
356 The bark and tree welnygh mil fingers depe Avisily, the rynde unhurte to kepe.

[^34]Now vines are to be propagated. Old, hard, worn out vines are not benefitted, says Columella, by digging them all in, but by bending them like a bow, and burying the ends in the ground : for, he says, if the stock be dug in, there will be too many roots.

These bows, he says, in two years will grow into branches. But tillers complain that if they be cut down after the second winter they will be sickly and their roots will die.

There are three modes of grafting, two of which are to be done now ; the third in summer. Some graft on the stock, some under the bark, others by plastering.

Graft under the bark where there is no scar or mark, saw it without bruising the bark, and smooth it with a sharp knife, put a wedge of bone or iron between the bark and the tree three fingers deep, with care, to keep the bark unhurt.

Take out the wedge and slip in the graft, one half being cut, and the pith and the bark being whole on the other half, and it is its nature to rise over the head of the tree two hand-breadths.

Let the graff be a handbreadth above the clay and moss. Others bind it tight and sharpen it.

There must be a wedge, which, pulled out, the earth will ching (qy. cling) to the graft.

A graft to be as large as the little finger, with several buds, cut from a young tree near the ground.
52.

Oute with this wegge, in with a graffe anoon, That oon half cutte, the pith hool and the rynde
360 Upon that other half, and uppe to goon Ouer the hede two handbrede is his kynde. With risshes and with stren me must hem bynde, And mir or IIII, as wol thi stok suffice, 364 Asondered fyngers imr is to deryse.
53.

Do clay uppon, and mose it alle aboute, And bynde it to so that the graffe stonde An handbrede up the messe and clay withoute. 368 And other bynde it straitly with sum bonnde, And in the cloven hedes forto stonde, Thai graffes doon on either side \& shave Sharppe as a wegge, her pith so that thai save.

## 54.

372 A wegge in it there must be put aforne, That, it, puld oute, the tree theron may chinge. This either crafte for springing tyme is borne, And worcheth while the moone is in springinge, 376 Whenne graffes gynneth swelle in burgynynge. Ffertil and frisshe eke knotty sprongen newe Thi graffes be, so that estwarde thai grewe.

## 55.

The graffes be thi litel finger $\mathrm{g}(\mathrm{r})$ ette, 380 And forked as with forkes oon or two With gemmes fele aboute on hem ysette. The yonger tree the better wol it doo. But nygh the grounde it must be cutte, and so
384 Sette in the graffe atwixe his tree and rinde, And as is taught afore, is it to bynde.
56.

Ane other take a graffe of that greetnesse As is the stocke, that thai wol frist devyde. 388 This graffe unto that wol thai shappe and dresse Others make the bark of the graft correspond with the bark of the tree.
That bark with bark acorde on either side.
They cley and bynde it wel, but forto abyde
And growe it helpeth wel to doo goode lande
392 The stock aboute, until the graffe upstande.

## 57.

A diligent husbonde enformed me, That doutlesse every graffyng wol comprende. Untempered lyme yf with the graffes be
396 Put in the plages there thai shall descende, He saide her either sappe wol condescende Unto that mene, and glewe hemself yfere In mariage ymixt as though thai were.

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58
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400 Of emplastrynge is after in his moone. Eke Columelle hath told an other crafte To graffe; unto the pith it is to doone, A tree to bore and se nothing be lefte
404 Inwith this bore, and thenne a graffes shafte Of vyne or tree with gemmes oon or two By even mete unto that bore ydoo.

## 59.

With clay and mosse it cloos adrysely.
408 Thus in an elm a man may graffe a vyne.
A Spaniald taught me wonder gisily To graffe, and bade me theron not divyne. In peches it was preved tymes $\mathrm{IX}^{\mathrm{ne}}$,
412 As forto take an arme greet withi bough Two cubette longe or more and sadde ynough.

Of plaistering it will be spoken afterwards in the proper month. Columella has another method.

## A Spaniard

taught me a strange mode, which, he said, 1 might be sure of, as he had tried it often. Taking a branch of willow,
Low,

A skilful husbandman told me every graft would take if untempered lime were putin the wound.
60.
he said, I must bore it in the middle, and cut a peach plant where it grew, and put the two ends of it into the bore, and clay and moss, and bind it.

After a year the two will unite, and fruit without stones will grow on it. The willow loves moisture and to make other trees fruitful.

Olive yards to be made this month in temperate places.

Cut off every dry part and cover the heads with clay or moss, and bind them. Let the same side turn towards the south as did before.

He saide amyddes thorowe I must it bore, ${ }^{1}$ And ther it growed croppe a plante of peche, 416 And there uppon let slippe adowne that bore ${ }^{2}$ That either hede into the lande forth reche. Bende as a bowe, or vynes that men pleche, And cleme it, mose it, bynde it softe aboute.
420 Quod he thus wol it growe it is noo doute.

## 61.

A yere agoone, thai two wol joine as oon, Thenne cutte away the roote under the bowe, And ley goode erthe on everie side, and on
424 Withouten bones fruyt theron wol growe. In places moist and ronke is moost to trowe Upon this crafte: for withi loveth wete, And children on an oth'r tree to gete.

## 62,

428 This moone in places temporate olyve In pastyne, or in tables brinkes sette, Or in thaire groundes, beth to growe and thrive. And oute of thi pastyne if thai be fette,
432 The hed and everie bough or smal or grette Kitte of; a cubit and an handful longe Thai must be sette if they shal have noo wronge.

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63 .
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Shouve a stake afore, and in doo kest
436 Sum barly seede, and kitte of everie drie, Her hedes and mose, and bind hem fest. The same side uppon the south to wrie, As dede beforne, is holden husbondrie.
440 Let sette hem feete a sonder thries $v,{ }^{3}$ Or twies $x,{ }^{4}$ as best is hem to thrive.
64.

Plucke uppe iche weede aboute, at everie reyne
Do delve up smal the moolde of every roote,
444 Let mynge it wel, and putte it on ayeine, And more a litel herre upon it wrote.

Wheneveritrains dig up the mould at the roots. Mix it well, and put it on again, and heap it a little higher.

But in his place if thou wolt have him soote, Lande, mix.t with cley, or sondly cley, fatte sonde,
448 Lande thicke and quicke, is goode in hem to stonde.
65.

The potter's clay, the wlonk, ${ }^{1}$ or sondy lene, And naked cley nys nought; for, though it take, It wol not cleve; eke there as ook hath bene
452 Or crabtree, the olyves it forsake. The rootes wol thaire oile or slen or slake.

Potter's clay, and marshy or sandy soil is useless, and where oak or crab trees have been. Olives prefer ground between north and south.

Northwarde of fervent grounde, southward of colde, And enter both of hilly lande thai wolde.
66.

456 Her baies names:-oon is Pausia, An other Orchas, then is Radius, Licinia, Sergy, Comminia, And many moo calde oth'r way then thus,
460 Whoos names shal unwriten be for us. Oil Pausia, while it is greene, is best, But sone in age it is corrupt and lest.
67.

Licinia her oil is best atte alle,
464 But Sergia hath moost in quanitee.
Suffice of hem to saie in general, The grettest for the borde preserved be, The smallest for thine oil ykepte thou se.
468 There corne is, sette hem $x v$ foote atwene, And $\operatorname{xxv}$ there as lande is lene.

[^35]Let the larger berries be kept for table, the smaller for oil.

Place them W.S.W. in trenches dug 3 ft . deep. If there are no beasts, let the plants scarce appear above ground, but let them be higher where beasts arc.

In dry places, where there are plants, plant boughs of olive five or six feet long, and transplantinfive years.

Many have taken young olives from woods or deserts, and planted them a cubit long.

We shall speak by and bye of every kind of apple-tree. Land that is good for vines is good for them. Save top and bottom in setting them.

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68 .
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And West Southweste hem forto order best is, In delves drie and footes ImI depe
472 Idolve; and if the place is saaf for bestes Unneth oute of the lande thou lete hem crepe. And elles herree hem selven forto kepe Ffrom bestes byte, and ther as wanteth stonys.
476 Cley mixt with donnge in settyn with hem doon is.
69.

There raynes faile, and lande is over drie, And nedeth to be wette and bere olyve, And plannte is noon hem with to multiplie,
480 Lette sette into thi semynary blyve Olyves bowes vi feet longe or v . And $v$ yere olde transplante hem in this moone To places colde, as best it is to doone.
70.

484 I knowe hem that have take olyves yonge, This wey ${ }^{1}$ is light and more utilitee, In wodes or desertes uppe yspronge, Kitte and sette a cubit long to be, 488 And plantes fele have spronge of suche a tree.

But in the semynairie moost thai roote With dounge and moolde admixt unto thaire roote.

De pomiferis arboribus in generali.

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71 .
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Now appultreen towarde Septentrion
492 In pastyne is the season to dispose, That by and by shal of be saide ichone. Lande that is goode for vynes may be chose As goode for hem : but xxx ${ }^{\text {ti }}$ footes pose
496 Iche order of from other: croppe and tail To save in setting hem is thyne advail.

[^36]72.

Yeve every kynde an order by him selve, Lest myghti treen the smal downe oppresse; 500 And as the plantes growed, so thou delve Hem uppe, and so to stand ayeine hem dresse; Ffrom clif to playne, from lene unto fatnesse, Ffrom dried lande to moiste is hem to bringe. 504 Transplant hem so, and sone up wol thai springe.

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73 .
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The stocke, if thou wolt set it, doo to stonde Three foote in heght, and plantes forto sette
Tweyne in oon delve is not to take on honde
508 Ffor wormes, and lest either oth'r lette.
In places drie also thai must be wette.
Yit Columelle he saithe of seedes sowe
Or nuttes wol best bering treen up growe.
De vitibus et plantis circumfodiendis.
74.

512 Nowe by the see coste and in hoote countree The vynes delve or cree, as is to doon, Now staked and upbounden wol thai be. Olyves nowe and oth'r treen ichone
516 Do dounge hem in decresinge of the moone, The gretter tree, the gretter quantitee Therof, and half so moche a litel tree.

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75 .
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Ffrist from the roote abate of alle the moolde
520 And mynge it weel with dounge, and kest it on Ayaine. Eke in the seminary sholde The plantes now be mylged everichone, And brannches now superfluent of gone,
524 And rootes smale of noon utilitee Cutte of for lettyng of fertilitee.

Plant trees of the same kind by themselves.
Transplant them in the same direction as they stood.

Let the stock be 3ft. high. Do not set two plants in one hole. Columella says nuts grow best from seed.

Now dig or plough round vines by the seacoast, and dung vines at the waning of the moon. now be dug about, and superfluous branchesanduseless roots cut off to avoid hindering fertility.
76.

Rose-beds to be made this month with sets. The seeds are little berries like pears, which are brown when ripe.

Dig round them, and if they are thin, plant more.

Be careful to weed them. Separate small bulbs from the motherplant.

Sow linseed in rich land ten bushels to an acre; and place reeds in shallow holes half a foot apart.

This moone is eke the rosaries to make With setes, ${ }^{1}$ or me may here sedes sowe. 528 The floure me with the roos is not to take But baies, that as litel peres growe; By broune coloure and softenesse is to knowe Yf thai be ripe. Eke now is to repare 532 Rosaries olde, and drynesse of to pare.
77.

Nowe unbydelve ${ }^{2}$ hem, and if thai be rare, Me may hem thicke, enducyng planntes moo, With crafte eke roses erly riped are.
536 Tweyne handbrede of aboute her rootes doo A delvyng make, and every day thereto Doo water warme. Now hilly bulbes sowe Or sette, and wede hem that of rather growe.
78.

540 In wedyng hem thou must be diligent Ffor hurtyng of her bulbe, or of her eye. But bulbes smale uppe from her moder hent Let putte in oth'r lande to multiplie.
544 The violet to plannte is nowe to trie. Now saffron bulbes beth to sette or sowe, Or subtillie to delve, if that thai growe.
79.

Nowe sum in soile ydounged lynseede sowe, 548 X busshels serveth for an acre lande. Fful subtil flaxe and smal therof wol growe, And also thicke and longe as it may stande. Cannetes ${ }^{3}$ nowe with craftes may be fande.
552 In delves breef this cannes eyon doo, And iche half a foote his felawe froo.
${ }^{1}$ plantas. ${ }^{2}$ circumfodias. ${ }^{3}$ canneta.
80.

In places drie and hoote me must assigne Hem mooldes moist, and ther as it is colde.
556 To weet is nought; to drie is nought; benynynge Is goode, so that the towne water doune folde Streght hem amonge. Sperages seede eke holde Is goode hem with, with hem to springe.
560 Ffor cannes and sperage have oon tillynge.

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Cannetes olde eke tyme is nowe to wede, And of to kytte it that thaire roote uneseth, And hem that rote or crokydly procede.
564 The barein eyles canne also displeseth. Now wylous, busshes, bromes, thing that eseth Let plannte; and nowe of mirte and laures baies To make or tile a seminary day is. ${ }^{1}$

## De Ortis et diversis herbis.

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82 .
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568 And atte this moones Idus is goode houre To make a gardaine hegge, as is beforne Itaught, when the was saide in fitches floure The seede to keepe of brere and houndes thorne.
572 Ffor hegges made of it shall not be torne. The Greek saithe of scions of fatty brere As vynes sette, an hegge a man may rere.

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83 .
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But everie day me must it delve and weete
576 Until it take. Eke letuce is nowe sowe, In Aprill it to plannte in other lete. Nowe trefull, cresse, and coriander growe, Nowe popy seede in grounde is goode to throwe.
580 Now savery seede in fatte undounged londe Dooth weel, and nygh the see best wol it stonde.

[^37]Give them a moist mould, not too wet nor too dry, but benign.
Sprinkle asparagus seed amongrt them.

Weed and cut off obstructions from the root, and remore the eyeless plants. Plant willows, etc., for their service. Make or till beds of myrtle.

Make garden hedges in the middle of March, as you were told to keep the seed of briar and hound'sthorn in flour of vetches. Sow lettuce to plantoutin April.

Trefoil, cress, coriander, poppy, and savoury to be sown now.
84.

Onions may be sown in spring or autumn. Grown from seed they will have a small body and great head.

Weeds and roots to be taken carefully out of an onion bed. Sown at the new moon they will be large, at the full moon small and bitter.

Smal onyons be with it, or by hem selve I sowe; eke hem in veer and in harvest
584 Thai sowe, whoos seede in moolde if that me delve, The body smal, the hede wol be grettest. But onyons as for seede to sette is best. The hede wol dwyne awaie as it wolde die, 588 The croppe encrece, and seedes multiplie.

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85 .
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Ffate lande ydounged moist and wel ywrought Onyons desire. In it lete beddes make Iche herbe and roote oute of it fetely sought. 592 A plesaunte day and clere to sowe in take, And grettest wol the growyng moone hem make And sweet ynough ; the wanyng of the moone Wol make hem smale and bitter everichoone.

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86 .
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Pluck off the leaves from the top to make their heads swell. If you wish for seeds prop them up. When ripe they become black.

Dill may now be sown in any climate. Water it in dry weather, but weed it seldom. Some think that no bird will harm it.

596 Let hem be thynne ynough, and weede hem ofte, And if the list her hedes forto swelle, Plucke of the foiles alle aboute on lofte. So wol the juce inwith her hedes dwelle, 600 And thai that shall of seedes bere a belle, Let raile hem uppe, and when thaire seedes blake, That thai be ripe of that a signe is take.
87.

Half drie up plucke hem, in the sonne hem drie.
604 Now dile in places colde is goode to sowe, Hit may with everie ayer under the skye. Gladder it is there warmer wyndes blowe, And water hem yf shoures be to slowe.
608 But wede hem seld. Eke sum have this bileve, That bare ylefte there shall noo foul ${ }^{1}$ it greve.

[^38]88.

Senvey lete sowe it nowe, and cool sede bothe,
sow mustard and colewort in rich And when the list, weelwrought fatte lande thai love, 612 And sondy cley gravelous thai lothe.

But yf it reyned day and nyght above
Ther may noo wether harme hem, nor remove. But sette hem southwarde sonner wol thai preve, 616 Septentrion wol make hem latter cheve.

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89 .
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But there ${ }^{1}$ thai wol be greet and savoure well. The clyf thai love and fatte ydounged londe, And weded well it mot ben everidell,
620 Eke sumdel ferre asonder must thai stonde. To make hem hoor as frost eke crafte is fonde : Let grounden glasse goo sifte on hem aboute, When thaire trefoil or quaterfoil is oute.

$$
90 .
$$

624 This wol hem make in vigoure long dwelle, And forto seethe eke tender wol thai be. To holde hem grene, eke chargeth Columelle Thaire rootes in see froth wrapped to se, 628 And therwithall of dounge a quantitee. And sette hem greet aparty, for though longe Or then thai taked be, thai wol be stronge.

$$
91
$$

In winter sette hem in a warme day;
632 In summer whenne the sonne gothe to rest; And hele her lande the wyder wol thai splay. Oold brassic seede to rape eschaungeth fest. And nygh this moones Idus eke is best
636 Sponge of Sperage or newe of seedes fourme, Or olde as newe me may sette and refourme.

They like hills and rich land, but it must be alwayswell weeded. To make them white, sift ground glass on them when they have three or four leaves.

Columella would wrap their roots in sea-weed to keep them green. Set them far apart, that though it be long ere they take root, they may be stronger.

They will spread more widely if you cover them. old cabbage seed turns to rape. In the middle of March sow spungy roots of asparagus, or make new beds of seed.

[^39]ASPARAGUS, MALIOWS, CHERVIL, ETC.

Asparagus seeds will multiply where everything else dies. Burn them every year in bundles (scopes).

Mallow, mint, fennel, and parsnips sown or planted this month.

Me semeth this is good and profitable. Wild asperages rootes many trie
640 Into erthe ytilde, or stony lande is able Ynough for hem: for thai wol multiplie There as all other treen and herbes deye, And every yere in scopes hem to brenne, 644 And thicker, gretter, swetter wol up renne.

$$
93 .
$$

Nowe malowe is sowe, and myntes plannte or roote ${ }^{1}$ In places moist, or water nygh is sowe. Now dounged fatte lande axeth thai to roote; ${ }^{2}$
648 So it be gladde; eke fenel wol up growe, So it be gladde; -in stony lande ythrowe Persnepes sede; or planntes fatte and rare Pastyned depe ysette in this moone are.

## 94.

652 Now cunula is sowe and hath culture
As onyons or garlec, and now cerfoil ${ }^{3}$
After this moones Idus doo thi cure
To sowe in fatte and moist ydounged soil.
656 Nowe betes sowe, and synk or quaterfoil
Transplannte, and somer thorough hem me sowe, In fatte lande moist ydounged wol thai growe.

$$
95 .
$$

The rootes wolde in dounge sdipped be, 660 And delve hem ofte, and make hem feeste of dounge, And now thi leek ysowen is to se.
To make hem frough, kytte of the blades longe
Right as thai growyng beth II monethes yonge,
664 And right ther in her beddes leve hem dwelle. Yet oth'rwise enfourmeth Columelle.
${ }^{1}$ radicem. ${ }^{2}$ radicare. $\quad{ }^{3}$ cerefolium.
96.

And when ye plannte it, dounge and water doo Therto; but heded yf thou list it have, 668 In veer lete sowe, in October goo too

To make them grow to head, sow in spring, and transplant in October,
And transplannte it; fatte londes wol it crave, Plaine, dolven deep and dounged best it save; And weede it ofte. Eke thicke ysowe is frough, 672 And rare ysowe is heded greet and tough.
97.

A finger greet is rounde ynough to sette, And in the myddes cut of every blade; The rootes eke cutte and umbiwette
676 With dounge is goode her sprynging forto glade. An hand asonder sette hem with thi spade.
when they are an inch round. Saturate the roots all round with dung, and loosen the ground with a spade, and set them a span apart. That thai suspense a partie so may stande. 98.

680 So wol thou finde a space under thaire roote And heded full, eke forto make hem greet, Doo seedes fele yfere, and thai wol roote Yfere, and in oon body wol thai greet, 684 And rape seed into thaire hedes geet. All yronles wol make hem growe faste, And ofte ydoon, the faster wol thai haste.

$$
99 .
$$

The chibol now, ther as cannetes growe,
688 His eyen ${ }^{1}$ sowe of cutte as is the reed, ${ }^{2}$ All softely in the dolven lande hem throwe, And sowe hem by a lyne other a threed.
Three feet to stande a sonder is her speed.

Plant many seeds
together, and they will grow into one root together. They will grow faster if no iron be used.

The chibol
(inula) is grown trom eyes cut off. The bulbs of the Colocasia (Egyptian bean) to be planted this month.

692 The bulbes of calcases settyng sone In landes moiste and fatte is goode this moone.

[^40]They grow best near a well. They last almost for ever if defended from cold. Cum$\min$ and anise to be sown now.

The pear-tree to be planted in cold places in February; in a warmer soil in November.

A stony pear is said to change its flavour if it be grafted into generous land. It is a chance if you obtain a treefrom a plant.

Pears will also grow from seed. We need not despair though nature be slow. To her eternity delay is not tedious.
100.

Thai sette nought by the ayres qualitee, And gladde be thai to stande aboute awelle 696 That humour ever may thaire boteler be. Ffrom hem yf thou defende eke coldes felle In thaire growyng almoost they ever dwelle. Nowe comyn and aneyse is fatte ysowe 700 In dounged lande and weeded wel to growe.

De diversis arboribus in pomario. 101.

The peretree plannte is sette in places cold Atte ffeveryere, and there as is a warmer ayer In Novemb'r; and then eke goode is holde
704 To graffe hem thir moist erthe is her goode leire;
So shall the fruyte be greet, and floures feire.
Thai in such erthe as rynes love abounde,
Ffatte lande maketh mighty treen and right fecounde,
102.

708 A stannry ${ }^{1}$ pere is saide to channge is mete In easy lande ygraffed if he be:
Hit is but happe of plannte a tree to gete.
And if thou wilt take of a gentil tree
712 Not wilde atte alle withoute asperitee, When it is two yere olde or III, to thrive, Goode is to sette it as men sette olyve.
103.

But sette hem rooted wel in delves wyde
716 III foote or IIII in heght, and cropped feire, With cley and mosse her hedes hode and hide. Eke seedes sowen peres wol repeire. Nature such it is not to dispiere
720 Late yf she be: for targyng may not be Ffastidiose in her eternitee.

[^41]104.

But longe it is a man theron to dwelle. Thaire noblesse eke thai wol departe froo.
724 Therfore is better doo as I wol telle:
In Novemb'r the wilde tree to doo
Be graffed first sette and rooted to,
In delves large ynough and dolven deep,
728 That rootes easily may under creep.
105.

Do graffe hem in hemself, and thai wol be Tender and sweete; eke thai may not endure.
And if me graffe hem in an other tree,
732 The lenger wol thai last in lesse cure.
And $\mathrm{xxx}^{\text {ti }}$ foote asonder for lesure
Is hem to sette. Eke humour is availle
To hem, and delve hem ofte is goode travaille.
106.

736 It is so goode that in the blossomynge
She wol not lese a floure that forth is brought.
The delver is to help her with delvynge, And every oth'r yere she wolde be wrought
740 With spade, and dounge is therto to be sought. Oxe dounge about her rootes yf that me trete, The pomes sadde and brawny wol it gete.

## 107.

And sum also dooth askes with this dounge.
744 Thai seyne therof ther wol goode taste arise. The kynde of hem to telle it is to longe, While thaire tillinge is not in dyvers gise. The peretree seek is heled in this wyse.
748 Let make it bare, and bore it thorowe the roote, Some mix ashes therewith to improve the flavour. It is too long to tell their varieties. A siek peartree should have it roots bared, be bored through, and have a pin driven in.

But rather than wait so long it is better to graft them on wild trees in November.

If grafted on their own stoeks they will be tender and sweet, but will not keep. Grafted on another tree they will last longer. To dig them often is so good,
that a tree so managed will not lose a flower in blossoming.Ifoxdung be spread about the roots, the fruits will be firm and strong. And drive a pynne therin wol doon it boote.

Another cure is to bore the stock and drive in it a pin made of a brand, or, failing that, of an oak, and there will be no worms if bullock's gall be poured upon the roots.
To prevent their blossoming too long,
pour wine-dregs three days on the roots of the trees.

Graft pears in February and March, as shewn before. Grafting may be done, according to Virgil, on the melo (apple), almond and thorn, fold (mountain ash), ash, etc.

The pear-tree to be grafted before the longest day must be a year old, and first remove the stalks and leaves.
108.

Or elles thus: let bore it thorowe the stook, And doo therin a pynne made of a bronde, 752 And if the wanteth that, take of an ooke, And wormes wol ther noon in it be fonde, Yf ofte uppon the rootes as thai stonde The boles galle enfused be; and more 756 Ffor blossomynge to longe is herof lore.
109.

Of wynes olde it is to take dregges, The dregges must be newe, and daies three Infounde hem on thi trees feet and legges,
760 So wol the blossom parte from the tree. And lapidose if that thi peres be Let voide all erthe and stones from the roote, And sifte in oth'r erthe : and this is boote.
110.

764 But wete it ofte and longe, or this is nought. To graffe is goode in Marche and ffeveryere. Howe forto graffe afore is must be sought In rinde and stok for graffyng the manere.
768 Ther is also graffing in trees sere, As melo, almonde, and thorn, as saith Virgile, ${ }^{1}$ Foolde, ashes, quynce, and ponyk cleef his stile.

## 111.

The peretree graffe ygraffed forto be
772 Er thenne the day be lengest oon yere olde Must been, and or me sette him in the tree The tendron and the leves of thou folde.
But when the daies gynneth shortte and colde,
776 Then graffe hem that the tender croppes bere, And graffing is for every manner pere.

[^42]112.

To make a savery pere and weel smellinge
In daies feire and wanyng of the moone,
780 From xxir dayes olde wanynge
Till dayes vrri with hande it is to doone
That fruyt be puled, and of oon kynde aloone
From vir unto $x$, from ir til v,
Pears for preserving are to be gathered by hand from the 22 nd to the 8 th, all of one sort, and between the hours of 7 and 10 , and 2 and 5. Take out your pears these six hours.

784 Thees houres 6 outetake thi peres blyve.
113.

So thai be drie, and not caduc and harde, And hool, and sumdel greene, and then hem doo In sum vessel pitched wel upwarde.
788 The bothom doo this vessel closed soo.
And where a place is with a brooke through goo,
Continully there hide hem in the grounde.
For peres yit an other crafte is founde.

## 114.

792 As forto pulle hem hardde of flessh and skynne And keep hem uppe: but when thai gynneth softe, Let take an erthen potte, and putte hem ynne, And pitche it fast, and cley it wel clofte,
796 And delve it under moolde, in with thi crofte There as the sunne all day uppon it shyne. And sum in wheete or chaff wol hem reclyne.

$$
115 .
$$

And other take hem tough and fast encloos
800 Hem in a potte ypitched or with cley
Ystopped fast, and in the sonde dispose
Another plan is to gather them hard, and keep them till they become soft; then put them in a pan well pitched, and clay it at the top, and bury it within your garden.

It in the sonne, and other men wol ley
Others lay them in sand in the sun; others put them in honey, slicing the pears and taking out pips.

804 Ne touche not, eke peres men devide And pike awey the greyne of every syde.
116.

Others put them into s.ilt water which has been boiled and skimmed, and then lay them in a pitched pot. Or macerate thein a day and a night in salt water, and keep in bragot, wine, or mead.

Pear - wine is made by strain. ing them through a fine sack. Summer will make it sour. Winter will harden it and make it keep. Vinegar is made of ripe pears kept in heaps for three days.

Cover them in a vessel with rain or well-water for thirty days.

And piked so in sonnes hem they drie. Oon boileth water salt and skommeth clene,
808 Therinto colde his peres wol he trie,
Then into a pitched potte he wol hem glene;
Or salt water oon day and nyght hem lene, ${ }^{1}$
Then fresshe water two daies on hem steep,
812 In bragot then or wyne or meeth hem kepe.
117.

Of peres wyne is made, if thai be grounde And thorough a rare saak with fors ywronge.
Yit somer wol it soure and so confounde,
816 And winter wol endure and kepe it longe. Of peres soure and wilde it is noo wronge Aysell to bringe, all ripe yf that thai be Ytake and kepte upheped daies three.
118.

820 Then in a vessel se that thai be doo, And water with of rayne or of the welle, Then hele it feire, or se that it be soo, And xxx daies therin lette hem dwelle.
824 Now aisel take unto thine use, or selle.
But se what quantitee therof thou take With water up the summe ayenie thou make.
119.

And make liquamen castimoniall
To make castimonial liquor : take ripe pears, whole, with salt, place them in clean jars, or suspend them after three months in earthen pots well pitched.

828 Of peres thus: take peres right mature And with hool salt, and hem [and] fleshhe and all, When thai been resolute, in stondes peres (pure)
Or erthen pottes pitched save and sure,
832 And after ur monethes do hem suspende,
And right goode licoure of hem wol descende.

[^43]120.

His taste is goode, and whitisshe his coloure.
Ffor that when salt and it is doon yfere, 836 A blakkishe wyne commixt it dothe socoure. And in the moones of Marche and ffeveryere The meles graffed beth, but there as clere Is aier, and hoote, and drie. It may be doo 840 In October and November also.
121.

Her kyndes forto write I wol not waste. Fatte lande thai love, and moiste in nature.
In cley, or in gravel men mosten haaste
Men must water them in clay or gravel. In hills it is best if they use to set them on the south.

To set hem on the Southe if thai shall ure. Thai growe also in places colde, if the aier Be sumdel warme and helping to thair laier.

$$
122 .
$$

848 Also thai growe in places hardde and wete, And wormy wol thai be in drie and lene; And hem to graff as peres me may trete. The plough or spade aboute hem be not sene,

In dry, lean soil, apples become wormy. Not allowing spade or plough, they do better in meadows.

852 Fforthi the bette in medes may thai bene. And dounge, alle though thai noon or litel crave, Yit gladly wol thai take, and gladly have.

$$
123 .
$$

And namely askes medled therwith alle
856 Thai loveth, eke to dwell in region
There as the heet is neith'r greet ne small,
Eke thai be apte unto putacion
Of bowes drie or foule elacion.

They like ashes mixed with dung, also a temperate climate, and the cutting off of boughs which are dry or of foul growth. The tree soon grows old.

860 This tree is olde anoon, and in his age
He goothe oute of his kynde into dotage.
124.

Topreventapples falling, cleave the root. To prevent their rotting, touch them with the gall of a newt. Worms in apples are killed by a mixture of swines dung with oxgall.

Or strap them off with a strap of brass, and plaister dung: upon the wound.

Graft apples on pears, plums, apple-trees, ser-vice-trees, willows, etc. Keep them in a dark place out of the wind, and put straw upon the crate under them with a little space between the heaps.

Different persons keep them in different ways. stick the stalks in clay, and lay them on a floor strewed with chaff.

Caduce if that the fruyte be, cleef the roote, And putte in hit a stoone, and it wol dwelle.
864 For rotyng of the croppe the galle is boote To touch hem with of neutes grene, eke quelle Her wormes thus: take swynes dounge, and melle It with uryne of man or oxes galle, 868 And meles wormes this wol sleen hem alle.
125.

Yf wormes feel uppon hem be withoute A strape of braas let strape hem of therwith, And cleme uppon the wounde oxe dounge aboute;
872 And ovre thicke yf that the fruytes beth, Plucke of the feble fruyte, as reason seth, Hem to discharge, and juce it then wol dresse It into thayme that are of gentilnesse.
126.

876 In peretree, thorn, in plumme, and apple tree In serve, and peche, in plane and popule, In wylous may this meles graffed be, But trie hem wel that shal be kept over yere; 880 Let ley hem derk as wynde may not come nere. And do feire stree uppon thaire fleyke ${ }^{1}$ hem under On hepes save a litel space asonder.

$$
127 .
$$

These heepes must me nowe and nowe devide.
884 Yit beth ther dyvers folk sayen dyvers wyse. And oon in pitched pottes wol hem hyde, And other hath of cley an oth'r gyse. Yit hath the thridde of hem a fresshe devyse.
888 Oonly the litel feet ${ }^{2}$ to cleme in cley And on a floor with chaf bystrowed ley.

[^44]128.

And theruppon thai cover hem with stre.
The meles rounde, ycalde orbiculer,
892 Withouten care a yere may keped be.
And other drenche hem in the water clere
Of cisterne, or of wynche yclosed nere, In erthen pottes pitched atte the fulle, 896 And other meles wol with handes pulle,
129.

And dippe her litel feet ${ }^{1}$ in pitche alle warme,
And so in order ley hem on a table, And nuttre leves under wol not harme.
900 Eke populer or fir is profitable
To make and ley among hem scobes able,
And let her petifeet dounwarde be wende, And touche hem not until thai shal be spende.
130.

904 Aisel and wyne of meles me may make
As is above enfourmed of the pere.
To graffe a quynce is dyvers tyme ytake.
Thaire planntes I have sayen in Ytail here
908 The Citee nygh ysette in ffeveryere,
Or of the fronnte of Marche in dounged moolde, So that thai rooted were, and right wel holde.
131.

Holde have thai so that in the yere secounde
They have borne fruit in the second year. Where it is dry they must have mois. ture.
In thende of Octob'r thai wol abounde,

I have seen plants of the quince in Italy, near the city, set in February.

Or sone in Novemb'r yf that me trete
Hem into place of drynesse and of hete.
916 But ther as drie it is thay must be wette.
Thai love in colde and moist eke to be sette.

[^45]132.

They bear quickly in temperate places on hills and plains. Men graft from their tops and their stock, but that work seldom avails.

Add ashes and chalk to large plants. Constant moisture will enlarge them.

Thai bere anoon in places temporate, And forth thai come in cleves and in planys.
920 Thai love lande devere and inclinate.
Men graffeth of thaire toppes and thair tranys; That werk or seelde availle, or sone yslayne is. And wide hem so that though the wynd hem shake,
924 Noo droop of oon until an other take.
133.

Yf thai be smale sette, helpe hem with dounge, Yf thai be greet, askes and shalkes do to. ${ }^{1}$ Atte ones serve hem thus in all yere longe.
928 Eterne ${ }^{2}$ humour wol greet hem, and also Hit wol hem ripe sone, and yf thaire no Reyne be, me muste hem wete and umbydelve, That doon, let God therwith alone him selve.
134.

932 Atte Marche or Fereryere in landes colde, Atte Octob'r or Novemb'r in hete, But thai be delven aboute as thai wolde, Other me shal of hem noo fruytes gete,
936 Or oute of kynde; also that I you hete ${ }^{3}$ Y preved have, ykette if that thai be, Thai wol been oute of vice in libertee.

## 135.

The tree is seek, oildregges watermynge
940 Yliche of either, helde it to the roote.
Or let quyk lyme with chalk resolvyng synge, Or resyne ${ }^{4}$ mixt with taar ${ }^{5}$ that is so soote. Ennointe aboute of this, for this doothe boothe.
944 Or make the rootes bare, and ley aroute Of quynces to, to go the roote aboute.
186.

Do this from yere to yere, and thai be saf Ffor vice; eke ther ayeine thai nyl not dure.
948 In ffeveryere this quynces is to graffe,
The rynde as in the stok is not so sure
Hem into graffe, and graffyng to assure
In hem of everie fruyte, punyk ${ }^{1}$ and serve ${ }^{2}$
952 And appletreen eke best for hem thai serve.
137.

Thaire yonge treen, ther juce is, in the rynde Is goode to graffe, and old if that thai be, To graffe atte the roote it is her kynde
956 Ther as the soil as well the bark as tree Hath benefited with humyditee.
Hem ripe ypulde men kepe in dyvers wise.
And first of tiles tweyne is oon devyse:

$$
138 .
$$

960 Do hem betwene, and cley it every side, Or in defrute or passe. Sethe hem feire The grettest wol an other out devyde, And in figtrees leves many a peire ${ }^{3}$

Graft young trees in the bark, old ones at the root. There are divers ways of keeping them : first between two tiles
covered with clay and laid in defrutum or passum. Others wrap many pairs of them in flgleaves.

964 He wolde do folde of hem, so nyl thai peire.4
An other wol in places drie enclude
Hem, and the wynde and aiers bothe exclude.
139.

He wol with iver ${ }^{5}$ or with reed ${ }^{6}$ devyde
968 Hem uppon IIII, and take away the core, And into a potful hony let hem slide:
He dothe hem hool in hony lesse and more.
But ripe ynongh beth best this keping fore.

It will, on the other hand, prevent their enduring long.

> Another will divide them into four parts with ivory or cane, and put them into a pot full of honey. Some keep them in millet or chaff. 972 And sum in mylde, ${ }^{7}$ and sum ychaved deep, And sum in swete wynes wol hem kepe.
140.

Another encloses them in a tun with must. Now and in November transplant carobtrees.

Plant their stems in large trenches.

The fruit keeps long if spread in large layers.

Mulberries grown from seed, but more quickly from truncheons.

[^46]Oon with his muste hem closeth in the tonne; An oth'r saithe that in a panne all newe
976 Doo hem with dried cley and thai be wonne. Nowe and in Novemb'r is to renewe The Siliqua ${ }^{1}$ in planntes and seedes trewe. Hit loveth places nygh the See syde, 980 And places hardde and drie, eke feeldes wyde.
141.

Experte am I that thai in places warme Wol best abounde ywattered if thai be, Thaire palmes forto sette it dooth (a)noon harme, 984 But delves large ynough for hem thou se. Now graffe hem in the plumme ${ }^{2}$ and almond tree. This fruyt is longe ykepte withouten drede, In fleykes feire yf that men list hem sprede.
142.

988 Molberytree wol growe uppe of his seede, But bough and fruyte wol turne oute of his kynde. The croppe or talions to graffe is speed, But talions ${ }^{3}$ the better me shall finde
992 On eith'r half made smothe, unhurt the rynde As in a graffe, and umbigoone with dounge. And se that thai been ichone $00^{4}$ foote longe.
143.

To sette hem first make redy place, and when
996 Me setteth hem mynge askes with the moolde,
And handbrede in the lande be hidde, and then Saye God save all! In Marche and nowe thai wolde Be graffed here, and ferther froo the colde
1000 In thende of Octob'r, or in the toppe ${ }^{5}$
Of Novemb'r in the lande is hem to stoppe.
${ }^{1}$ a maner tree. ${ }^{2}$ pruno. ${ }^{3}$ talias. "Orig. sesquipedalibus. ${ }^{5}$ initio.
144.

Hit loveth places hoote and ful of sande And nygh the see, not stony lande, ne cley.
1004 Unneth in it thai take a foote to stande,
Much humour dooth hem woo, but glad be they With delvyng ofte and dounging, soothe to sey.
And after yeres three the drosse and drie
1008 Doo kitte it of, and thai wol multiplie.

## 145.

In Octob'r or Novemb'r lette sette
The planntes bigge; and, tender yf thai be, This Feveryere and Marche is for hem bette.
1012 Thaire delves deep and rowme asonder the,
That shades ${ }^{1}$ stretche not froo tree to tree.
Eke as me saithe thai wol be faire, and bringe Up fruite ynough by connyng of boring.
146.

1016 Let bore hem thorough the bodie here and there, And putte in everie hole a wegge or pynne, A birchen here, a terebynten there. And whenne kalende of Octob'r cometh inne,

Mulberries scarcely take root in clay. After three years cut off the dross and dry wood.

February and March are better for weak plants. Make the holes deep and a space between that the shade of one stretch not to another, bore them through
the stocks, and put a wedge or pin in every hole. Pour fresh dregs of old wine on the roots.

1020 Make bare his rootes right unto the skynne. Old wynes dregges fresshe on hem infounde, And thai wol be the fressher and fecounde.

## 147.

In figtree, in hemself under the rynde
1024 Me may hem graffe, and in an elm thai take; But in this Elm thai greteth ${ }^{2}$ oute of kynde. A walnuttree thaire nuttes nowe wol make, Two finger deep in erthe is hem to stake.

Grafts take on the elm, but grow over large. Nuts will now grow into a walnuttree, but I know from experience that plants are best.

1028 Experte am I thaire planntes best to growe, But sette hem nowe, eke now thaire nuttes sowe.

[^47]148.

Wet, lean land is best for them. They ripen about the nones of July. Now plant kernels of myx (qy. damsons) in a pot, as many as may sprout.

Weet, colde, and lenyssh, sandy lande is best Ffor hem, and thai been ripe atte Jules nonys. ${ }^{1}$
1032 Now curnels of myxe it is to kest
In moulde in sum vessell so feel atte onys
As wel may spire, and when thaire spir up goone is, Warme aier, molsh lande, and humour moderate, 1036 Let plannte hem ther, and uppe gothe thair astate. 149.

Graft them in March on thorn or service-tree. It is beneficial to plant and graft the mastick.

He may ont graffe atte Marche in thorn and serve. ${ }^{2}$
Eke tuberes nowe sowe and graffe, and nowe
The benes hardde of mastic tree wol serve ${ }^{3}$

1040 Ysowe. Eke hem to plannte and graffe is prowe. ${ }^{4}$
The meddeler to graffe eke tolde is howe.
Now plummes bones and figges are
In tempre land ysette a party rare.

$$
150 .
$$

Almondsaresom 1044 Nowe serve ${ }^{5}$ is sette, almonnde in lande is sowe,
early in temperate soil; later in cold. They are to be grafted before the buds germinate.

Eke rathe in tempre lande, late in chillyng. ${ }^{6}$ Men graffe hem nowe thaire graffes buddes ${ }^{7}$ ungrowe; And now pistace ${ }^{8}$ hath planntyng or graffinge,
1048 Chastene also; juglande in lande now sprynge.
Eke graffe hem nowe, now for pynappultree The colde or weetisshe ${ }^{9}$ lande most sowen be.

De educatione porcorum.
151.

The best boars for breeming are great - bodied, ample, wide, round, with large hips and white bellies, etc.

Nowe bores ${ }^{10}$ gladly brymmeth. Chese a bore
1052 Greet bodied, side, and wyde, eke rather rounde Then long, eke hipped greet, and wombed hoor, And huge-snouted, shorte, his necke abounde With fattes ${ }^{11}$ feel, his stones greet and sounde.
1056 And from oon yere until he come atte fyve He wol do well ynough, and often wyve.

[^48]152.

The sowes is to chese of longest syde, ${ }^{1}$
In other thinges take her like a boore
1060 So thai be wombed wel, dependannt, syde, ${ }^{2}$
That likely is for greet and mighty stoore.
The hered blake in cold countree, the hoore
And every hewe ${ }^{3}$ to have in places warme
1064 Is indistinctly good, and may not harme.
153.

The femal shal til vir yere suffice
To bere, and oon yere olde she wol conceyve, And, monethes mir ydone, it is thaire gise
1068 To pigge, and in this point thay nyl deceyve.
Thees if me spende, or mynt ${ }^{4}$ for them receyve,

The sows should be large-bellied, pendent, vast; the black-haired in cold countries; white and all colours thrive in warm places.

The sonner wol they brymme ayeine and brynge
Forth pigges moo. Now herbes for hem springe.

The sow breeds from two to seven years of age. They litter after four months. If you eat or sell the pigs, the sooner will they breem again.
154.

1072 A man may have hem in every lande, But bette in myri feeldes then in dri, And moost thaire fructifying wodes stande, Wherof sum fruyte wol targe ${ }^{5}$ and sum wol hie. ${ }^{6}$

They do better in miry land, especially where woods are, some of whose fruit remains, some hastens to fall.

1076 Eke lande is goode ther herbes multiplie.
The rootes eke of rede ${ }^{7}$ and risshe thay ete. When winter sleeth thaire fedyng, yeve hem meete.

## 155.

Mast, chastene, yeve hem pugges of thi corne;
1080 Hem that beth melch in veer novelles grene Beth nought to feede; her cotes ${ }^{8}$ make beforne Under sum porche, and parte hem so betwene

Give them mast, chesnuts, and refuse of corn. Young plants that are milky in spring are injurious. Make their sties beforehand. That every stye ${ }^{9}$ a moder wol sustene,
1084 That with her wombe her pigges doth from cold; But make it that me may on hem behold.
156.

Let theswineherd see to the number. Columella says eight. I say six. I have seen too many weaken or kill the sow.

To make myrtite wine, mix six sectarii of wine with flve pounds of myrtle-berries. Add a basket of palms and five pounds of honey.

Wine, vinegar, or grape from the tiriae vine is a remedy against the bite of any beast. Make a slit three inches deep in the end of the scions, and pick out the pith.

Fill it with fine tiriac, tie it up again, and plant it. Others put them in a bulb of squill.

Thy swon ${ }^{1}$ may se thaire nomb'r and up save The oppressed pigge; and viri wol Columelle
1088 A soowe up bryng. I saie vi is to have Ynough, and that is over spende or selle. Ffele I have seyn ${ }^{2}$ thair dammes feynt or quelle. Thi vyne swyne wol delve after vyndage, ${ }^{3}$ 1092 As diligent as delvers for thaire wages.

> De vino myrtite. 157.

Sone in this moone eke myrtite is to make Sex sester old wyne do to mirtes bayes
V pounde, and hem togeder alle to shake,
1096 And shake hem daily xxir daies;
A skeppe of palme thenne after to surtray is.
This wyne $v$ pounde of fyne hony therto
Ystamped wel let mynge, and it is doo.

## De vite tiriaca.

158. 

1100 Vyntariake is also nowe to make.
What goode dooth it? His wyne, aysel, or grape, Or rynde ${ }^{4}$ of his scions yf that me take, The bite of every beest me shall escape. 1104 And such a crafte to make it is noo jape. Three fingers deep the scions must be slitte In thende, and pike oute alle the pith of it.

$$
159 .
$$

In stede of that fille it with fyne tiriake;
1108 To bynde it faire ayein be diligent And sette it. God save alle! yet oth'r take Her scions fild with this medicament, And hem to sette as for this same entent, 1112 Iche of hem doo thay in a bulbe of squyle, And sette in this maner thay doth not ille.

[^49]160.

Tyriake is hald ${ }^{1}$ of sum on vynes rootes And dooth ful wel. A scion of hem take
1116 And sette hath not that myght, therin noo boote is As in the moder was, until me make

Some pour tiriac upon the root of a vine. A scion taken and planted has not the same virtue as the parent stock.

Hit right as she was made. Also Tyriake
Ys goode to take, and when this wynes olde
1120 Helde on thaire rootes ofte, and thai wol holde.
De uva sine granis. 161.

Ungreyned ${ }^{2}$ grape in high jocunditee Me may suppe of as saunez impediment And all oon wyne: this Greek auctoritee
1124 So maketh to crafte nature a succedent. That shall be sette is taken the sarment, ${ }^{3}$ As moche as shalle stande in the lande they cleve, Grapes without stones may be eaten sans impediment, as if all wine. Thus nature is made to follow art. The cutting that shall be planted is cleft, and the pith is taken out. And clene awey the pithe of it they streve. ${ }^{4}$

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162 .
$$

1128 And diligent thai shave hem every side, And joine ayein the legges so departed, And bynde hem so that thay may not devyde.

The separated parts are united with papyrus, and planted in a moist soil. With paper best and leest are thai coarted.
1132 Nowe softe in lande wel moist thai must be darted, ${ }^{5}$
Sum eke hem sette inwith a bulbe of squylle
That maketh iche sette, thai sayen, to take atte wille.

$$
163 .
$$

And other, in the rynes kitting seson,
1136 Wol trie oute high sarmentes fertilest And cleve hem not, but use anoth'r reson:
Until a reed for turnyng bounden fest
Thai bore oute the pithe, and in is kest
1140 This opium Quyrynaike: the Greek So nameth it; so doth myne auctor eke.
${ }^{1}$ effunditur. ${ }^{2}$ uva sine granis. ${ }^{3}$ Or scion. $\quad{ }^{4}$ radunt. $\quad{ }^{3}$ ponantur.
164.

Dilute this opium in water till it be like new wine. The pomegranate and cherry may be treated in the same way.

A vine that weeps the Greeks rend in the stock, and if it still denies its fruit, they take away the largest root and pouron oil-dregs, and pour vinegar underneath.

Take myrtle-berries ripe, dried in the shade, and pounded; cover them all close.

Others pluck off the berries in dry places on dry days, and tread or press them, and add eight cotulas to an amphora of wine. Useful as a medicine where styptics stop emission of blood, and in dysentery.

In water first this opium relent
Of sape until it have similitude,
1144 Until the budde oute springe of this sarment Iche viri day this thing thai efte include. The pomgarnad wol not this crafte exclude, As Grekes seyen, the same in Chiritree, 1148 Yf it wol serve, assayed may it be.

De vite nimis lacrimosa. 165.

As vynes that forwepe and turne away Ffrom fruyte the Grekes wol the stok to tere ${ }^{1}$ And make a wound, and yit if thai withnay
1152 Her fruyt, the fattest roote away thai tere, ${ }^{2}$
Oildregges salt til half decocte on there Thourgh colde is doon and alle aboute this wounde, And aisel kene is underkest in grounde.

## De Mirtite confecto. 166.

1156 Mirtite a Greek comaundeth thus to make:
The mirtes baies ripe, and shadowe drie, And stamped, unces virr it is to take And honge hem in the wyne vessell and wrie
1160 Alle cloos, and longe in it lette hem defie. Then take hem oute and spende of it. Also With baies ripe ypuld thus other do :

$$
167 .
$$

Thai plucke of driest place in daies drie, 1164 And trede, or press hem faire. Of that thei doo VIII cotuls in a steine ${ }^{3}$ of wynes trie. This wyne alle medyoyne is take unto Ther stiptik stont ejectyng bloode, and wo 1168 Of wombe or of stomak this wol declyne. ${ }^{4}$

Dissenterik hath eke this medicyne.

De condito vel absinthio vel rosato vel violatio. 168.

Absinthiate, rosate, or violate, To make a vyne is crafte doon to nature.
1172 Sarmentes (scions) of some gentil vyne ytake And pocion forsayne in sum mesure Half full be doon, quyk erthe among undure ${ }^{1}$ As lie ${ }^{2}$ is made, and when thai gynneth sprynge
1176 Sette hem as other vynes and uppe brynge.
${ }^{1}$ resolve.
2 lixivium.

To give a vine the flavour of absynth, roses, or violets, take generous scions and add the aforesaid potion, and crumble quick earth amongst it.

## MARTIUS.

## BOOK THE FOURTH.

De putandis vineis, inserendis et pangendis.
1.

In cold places prune vines until the bud's appearance is suspected; and now is time to graft them when a thick humour dis. tils from them.

At Marche's moone in countree that is colde Putacion hath his solempnitee.
At large of it in fferyere is tolde,
4 Suspecte until thaire gemmes gynne be.
Nowe is it tyme hem graffed forto se;
Ffor nowe this vynes, whoso taketh kepe,
Not wattery but thicke humours wepe.

## 2.

8 The trunkes sadde in humour that abounde Unolde, unrende, ygraffed let hem be With graffes sadde y-gemmed thicke and rounde.
Three eyen is ynough for oon to see.
12 Two fynger longe let sloute away the tree;
But save uppon that other half the rynde. Men saithe the pith to bare ${ }^{1}$ is not thaire kynde.

## 3.

But flessh to flessh and skyn to skyn is doo, 16 Right to the trunke is sette his lowest eye; ${ }^{2}$ But sette him that he loke awaie therfroo, And softe a saly twygge aboute him plie. Then uppon that with chaved cley it wrie, ${ }^{3}$
20 Ffor sonne and wynde hem make a tegument, Lest thai in this ${ }^{4}$ be shake, in that ${ }^{5}$ tobrent.
${ }^{1}$ nudare. ${ }^{2}$ oculus. ${ }^{3}$ operias. ${ }^{4}$ vento. ${ }^{5}$ sole.
4.

Whenne tyme is hoote, putte on hem softe at eve Goode water ofte, that thai may ete and drynke, 24 And bolde hem uppon hoote that myght hem greve. When that thaire een gynneth forto unwynk ${ }^{1}$

Water them in heat to make them bold. When they begin to germinate, stick a reed close to them and tie them to it. And thai to brannche, into the lande let synk A reede right by, and bynde in mariage 28 Hem to, lest wynde offende her tender age.

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5 .
$$

Yit must it be dissolved ever amonge
Oute of this bonde, lest it adolent
Be letted to encrece and wex stronge.
32 And he to delve aboute is diligent, And nygh the roote ingraffeth his sarment, And moolde anoon on every syde it hepeth, This roote and moolde as nors and moder keepeth.

## 6.

36 An other saithe thaire graffyng nygh the grounde Is best, ther esily thai comprehende; And preve eke alle the crafte it wol confounde To graffe in hem that over hie ascende.
40 Til equinox thaire settyng is not spende In forowe, ${ }^{3}$ in delf, ${ }^{4}$ in pastyne, ${ }^{5}$ as before, Is in this booke of vynes taught the lore.

De pratis purgandis.
7.

Nowe is it tyme in places that beth colde
44 The medes forto clense, and hem to kepe.
In places warme eke nowe is holsom holde The landes fatte and hilles under crepe
As with the plough; but eree hem not to depe.
48 Bernetes that beth made in Janyveer Goode tyme it is forto repete hem heer.

But it must be loosened now and then, lest, when grown up, it be prevented from increasing. Some graft their cuttings near the root, and heap mould around them.

Others say vines should be grafted near the ground, for so they take readily, but it ruins all to graft them high. Till the equinox they may set in furrows, holes, or beds.

In cold places now clean the meadows, and in warm places plough fat lands and hills. Repeat the dressing of fallows that were made in January.
${ }^{1}$ aperire. $\quad 2$ aliquis. ${ }^{3}$ sulco. ${ }^{4}$ scrobe. ${ }^{5}$ pastino.

## De panico et milio serendo.

8. 

Panyk and mylde in hoote and drie is sowe As nowe. Light, resolute lande thai desire.

Sow panic and millet in dry loose land. They will grow in gravel if the earth and air be moist. Five sextarii of seed enough for an acre.

Both kinds of vetch to be sown this month. It comes up in two days. Keep a bushel of seed for an acre. That sown in autumn is ripe first.

52 Sone thai forsake a gravell wol thai growe; But moist bothe erthe and ayer thai ther require, Land argillose ${ }^{1}$ or drie hem sleth for yre, And weede hem wel, let noo wëede in hem stande:
56 V sexter shall suffice an acre lande.

## De cicere serendo. <br> 9.

Her either chiche ${ }^{2}$ is sowen in this moone, Ther aier is moist, and lande is ronke and stepe;
But daies tweyne, and uppe it crepeth sone.
60 Three busshel for an acre lande let kepe.
The Greek saithe, yf lukewarm hem bywepe, Thai wol be greet; and nygh the see to growe Thai love, and first is ripe in hervest sowe.

De canabo; de cicera.
10.

Hemp may be sown till the equinox. In Feb. ruary is taught the manner how. Sow black tares, like peas, after one or two ploughings, three or four bushels to an acre.

The earth about young vines to be kept fine and loose till the first of October, to kill weeds and prevent the ground from suffocating the young plants.

4 Til equinoxe is hemp ysowe as nowe. What lande is beste for it and seedes geson ${ }^{3}$ To sowe in ffeveryere is reson howe. Nowe cicera the blake is sowe in season 68 On erthes ${ }^{4}$ tweyne or oon sowe hem as peson, With inu or in busshel, other with tweyne Of hem an acre lande me may byspreyne. ${ }^{5}$

## De novellis pulverandis vitibus fodiendis.

 11.Now pulverised beth this vynes yonge,
72 And so forth til Calendes evermore Of October, to sley the weedes spronge, And lest the land the vynes over sore Constreyne; eke weedes rootes uppe be tore.

76 Nowe vynes is to delve in places colde, And stakes make, and bynde hem uppe to holde.
${ }^{1}$ cleyi. $\quad 2$ cicer. $\quad 3$ rara. $\quad 4$ aracionibus. $\quad 5$ seminare.
12.

And swathe ${ }^{1}$ a tender vyne in bondes softe;
Ffor bonde to hardde wol holde it in distresse;
80 A sadder ryne a bigger stake olofte
Mot holde; a lighter vyne is with a lesse
Stakyng upholde. And whi? For hevynesse
Of shade eke sette hem of tort ${ }^{2}$ Aquilone.
84 An hande or half a foote is goode to done.
And swathe a young vine with soft bands; for too hard a one will distress it. Place the stake (a large one for a strong vine, a smaller for a weak one) towards the North, $a$ hand's breadth or half a foot from the vine, not to shade it.

## 13.

Eke sum her aged vynes wol repare And trunke hem of alle hie above grounde. Unconnyngly thai do, right as thai are.
88 The Sonne and dewe goothe doune into thaire wounde That is so wyde, and rotyng it confounde. A better way for hem I wol declare: Ablaquiate hem deep, or make hem bare.

$$
14 .
$$

92 , A lite over the knotte inwith the lande Hem kitte and wrie, and save hem so for drede Of colde or hoote; but deep yf that it stande And gentil be, doo this. Or thus I rede
96 You doo: with gentil graffes hem to sede. Alle this in places hoote first in this moone, In places colde is after Idus doone.

## 15.

And umbydelve ${ }^{3}$ a drie or seekle ${ }^{4}$ vyne,
100 Putte aske of ooke or vyne aysel amonge, And poure upon the roote, and olde bryne. Or graffe hem lowe, and dounging make hem stronge. On vynes hurte doo goote or shepes dounge,
104 And plaister it with moolde, eke in the roote Relented dounge yputte on dothe it boote.

Some to renew
their old vines cut them off high above the ground; but a better plan is to loosen the earth from the root.

Cut them a little over the knot, under the ground, for fear of cold or heat, but only when it is deep and of a good sort. Otherwise, I advise you to graft them with generous cuttings. In warm places this is to to be done in the beginning of March, in cold places in the middle of the month.
Dig abouta sickly vine, and pour upon the root ashes of oak or vine mixed with vinegar and brine. Or graft them low down and strengthen them with dung. Put goat's or sheep's dung upon a vine that has been injured; if the root is hurt, liquid dung will do it good.

[^50]Pour oil-dregs upon the root of unhealthy olives. Apply four or six congii of it to large trees.

If the oleaster be barren, take two boughs of a fruitful tree from the south side; force them through the tree by two holes; cut them off close, and add chaff and clay.

If they are too fat drive a stake into the root. Now weed corn again, if it be the custom. Make a seminary of berries and seed, and rose-beds, early in the month.

De oleis amurca sanandis, seminariis et rosariis. 16.

Olyves nowe that oute of helthes dwelle Oyldregges salt effunde uppon the roote.
108 Ffor grettest treen, as telleth Columelle, VI Congeus or rv of it ymmote. ${ }^{1}$ Two basketfull of bene chaf doth boote, As other seyne, to grettest treen, and olde
112 Bryne on hem to kest is weel with holde.
17.

A morter fast is made aboute the tree, The rootes hidde, and moste in places drie; And bareyne yf thyne oliaster be,
116 Take bowes tweyne of treen that fructifie, But southwarde of the tree theese bowes trie, And streyne hem throwe the tree by bores two, And kytte hem by ; do chaved cley therto.

## 18.

120 Or dryve inne elm, or ook, or elles stonys And plaster hem. To fatte yf that thai be, A stake anoon into her rootes doone is. Nowe cornes weded efte is goode to se
124 Yf it be the use, and frigiditee.
Of seede and baies make the seminary;
Sone in this moone eke make uppe the rosary.

## De Carduo.

19. 

The garden nowe to tille is best begynne.
128 The tasul nowe in dogged lande is sowe And resolute. In fatte beste uppe thai wynne. The molde, ${ }^{2}$ and other suche as diggeth lowe, Anoie hem not, in harde lande yf thai growe;
132 To sowe hem in the wexing of the moone, And half a foote asonder is to doon.

[^51]The tasul seede ynverse is not to sette, Do not set the Lest crooked, feint, and hardde of it ascende.
136 Sette hem not deep; oonly three fyngers mette On hem; unto the yoint in lande descende, And hele ${ }^{1}$ hem light; eke weede hem ofte anende. Until the plannte uppe gete and bygly sprynge; teasle-seed inverse, nor more than three inches deep. Let the teasle sink in the ground to the joint. Cover them lightly, weed them constantly, and water them.

140 And yeve hem in the heete a waterynge.
21.

Breke of the seedes toppe, and thai wol be Withoute thorn; her seede yf me reclyne In baume, or nard, or opi, ${ }^{2}$ daies thre,
144 Or juce of roose, eith'r in mastycyne, Or madefie it so in oil lauryne, Let drie hem sowe, hem up by oon assent Thai wol and have odoure like her unguent.
22.

148 And yerely from the codde awey let take The planntes, lest thaire moder fainted be. In other place a borde ${ }^{3}$ of hem let make, But sumdel of the roote on hem thou see,
152 And hem that shall of seede purvey the Pulle every blake awaie that thou may finde, And wrie hem with a shelle other a rynde.

## 23.

Ffor sonne or rayne the seede is wont to sle.
156 Ffor moldewarpes cattes is to kepe, To ligge in waite to touche with her cle. A wesel tame have sum men ther thai crepe, Hem forto take. An oth'r sumdel deep
160 Have caves made, and thay, for ferde of sonne On hem let inne, anoon away beth ronne.

If you break off the points of the seed, they will bear no thorn. Steep the seeds three days in balm, or nard, or opium, or rosewater, or oil of mastic, or laurel, and sow them dry; they will soon grow, and have that odour.

Take the plants every year from the stock, lest it be weakened. Remove them with a part of the root. Among those that are to supply you with seed let there be none black.

Sun or rain will kill them. Cats are to be kept against moles. Some keepa tame weasel in their haunts. Some make holes, and they run away for fear of the sun let in upon them.

$$
{ }^{1} \text { operias. } \quad{ }^{2} \text { opio. } \quad{ }^{3} \text { a bedde. }
$$

24. 

Some fill their holes with red lead and cucum-ber-juice. Others lay a gren (or snare) to catch them. Now is the time to sow garlic, etc.

Now sow hollyhocks, armorace (or wild radish), origan, leeks, bete, lettuce, capers, savory, colocasia, cresses, endive, and radishes.

Her holes oon wel filleth uppe with wilde Cucumb'r juce, and dothe with alle rubrike.
164 A green ${ }^{1}$ an oth'r hath for hem ytilde;
To take hem therwithal is not unlike.
Garlic, cunel, eke onyons and ulpike ${ }^{2}$
Nowe sette in places colde, senvey and dyle, ${ }^{3}$
168 Eke wortes nowe to sowe is grettest skyle.
25.

Now holyhocke is sowe and armorace, Or arborace that wilde raves ${ }^{4}$ are, And origon nowe plannte him in his place;
172 Now lekes, betes, letuce, and capare, Savery, colcase, and cresses; noo man spare This goldes outher rabes ${ }^{5}$ forto sowe; And bless it; trust in God that alle shal growe.
26.

Now sow melonseed two feet apart in prepared ground, but steep the seed three days in milk or mead, and set them when dry. Keep them in rose-leaves to make them odorous.

Sow cucumberseed thin. The furrows to be a foot deep and three feet broad, and let there be eight feet of untilled ground between the furrows. Macerate the seed in ewe's milk and mead.

176 Nowe melon seede two foote atwene is sette In places well ywrought or pastynate. But daies thre this seede is goode bewette In mylk or meth, and after desiccate 180 Sette hem; thai wol be swete. Eke adorate To make hem, kepe hem long in leves drie Of roses, hem thai wol adorifie.
27.

Cucumber in this moone is sowen rare;
184 Her forowe a foot of depth, three foote of brede, And enter ${ }^{6}$ forough and forough viir foote spare Of leyes, ${ }^{7}$ that therin thai forth may sprede. The weede wol help hem; therof is noo drede.
188 Thaire seede in ewes mylk ${ }^{8}$ and meth to swelle ${ }^{9}$ Wol make hem white, and therof tast and smelle.
${ }^{1}$ laqueum. ${ }^{2}$ ulpicus. ${ }^{3}$ anetum. ${ }^{4}$ rafani. ${ }^{5}$ rafanum.
${ }^{6}$ inter. $\quad{ }^{7}$ crudum. $\quad{ }^{8}$ ovillo lacte. ${ }^{9}$ macerare.

Thai wol be longe and tendre yf me sette
To make them long and tender, place a broad flat vessel of water under them, which they will try to reach. To have them without seed, anoint them with Sabine oil and bray them with the herb culex.
29.

Cocumber floure of sum men into a reede, Ythorled every knotte, is softe ydoo.
The floures stalkes heede with alle his heede
200 Therin, and passyng longe his fruyte wol goo.
Hit is so ferd of oiles, that therfroo
Hit hoketh yf me sette it nygh ther under,
And turne it wol for fere, yf that it thonder.
30.

204 Cucumber flour eke growing in his vyne
Into sum erthen poote yf that me lede
Made like a man or beest fers or benynge,
The fruite wol have benyngnitee or drede,
208 As man or beest as hath the potte in dede.
Gorgilianus Marcial doth telle
Alle this; and this of hem saith Columelle.

## 31.

In glade lande dounged yf we have the brere ${ }^{3}$
212 Or ferule, after hervest whenne oon with The nyght is day, lette cutte hem of right nere The grounde, and with a pryk of tree the pith Pyke oute, and make hem holgh : eke doo in sith
216 Donnge and cucumber seede; therof wol the Ffruyte that withsaide ${ }^{4}$ may not in coldes be.

Some place the flowers of the cucumber in a reed, of which all the knots are bored through, its stalk and head being hidden therein. It is so afraid of oil that it bends like a hook to avoid it. Also it turns away from thunder.

If the flower of cucumber be trained into a pot made in the shape of man or beast, it will take the same form, as say Marcial and Columella.

[^52]32.

Asparagus is sown about the first of April in small beds made by line a foot and a half or three feet deep, dung it well, weed it, and cover with straw, which may be taken off in early spring.

The asparagus will grow in three years. A shorter way is to grow them from spawn. Put as much seed as three fingers will hold in each hole of rich, welldunged mould

These seeds will unite in one root, or spawn. This also has a delay of two years with dunging and weeding. It is better, therefore, to buy than keep them so long in the ground.

Sperage is sowe aboute Aprill kalende
In redes smale ymade by lyne in wete
220 And fatte lande, so that seedes who descende
In half a foote or three therin thai lete, And sprede on it above of dounge a shete, And weede hem wel, or kest upon hem stre
224 Til prime veer; ther may it take of be.
33.

Therof Sperage after thre yere wol sprynge. This tyme is longe. A shorter way ther is Thees herbes of ther sponges uppe to brynge,
228 Ffor thai wol fructifie anoon; and this Ys crafte of makyng sponges and not mys. Doo seede as moche as three fyngers wol holde In everie hoole of fatte and dounged moolde. ${ }^{1}$

$$
34 .
$$

232 This seedes wol connecte until oon roote. ${ }^{2}$ This calle ${ }^{3}$ a sponge. Eke this hath taryinge. The semynaire in two yere must it roote, ${ }^{4}$ Ynourisshed with dounge and ofte wedynge, 236 From hervest equinoxe in his planntynge, And eke in veer: but it is lesse vice To beye hem then so longe in lande cherice.

$$
35 .
$$

In solghes ${ }^{5}$ sette hem myddel deepe in drie 240 Lande, and in wete land in the summitee. ${ }^{6}$ Above humour wol make hem multiplie, So that it passe and not abydinge be. The first Sperage of broken is to se.
244 Thaire sponge, yf that me pulde hem, myght remewe: But after hem to pulle is not to eschewe.

In dry soil set them in furrows moderately deep, but in wet land near the top. The first asparagus is to be broken off. Pulling them might remove the spawn. Butafterwards they may be pulled.
36.

The eyen ${ }^{1}$ of thaire germynacion

Pulling will make them disclose their buds after the first year ; and to break them then is no benefit. Therefore be assured that fruitful places are closed by breaking.

By brekyng so. In veer is thaire servynge.
252 Reserve in hervest hem that seede shall brynge.
37.

Nowe rue is sowe in lande that is plesaunt. ${ }^{5}$ Sprynge aske on hem, and contente thai abide; And places hie is thaire desire to haunt,
256 Ther humour may awaywarde from hem slide. Seede yf me sette eke that thaire leves hide Enclosed, frote hem by and by with hande; And smale yf seedes be, springe hem in lande,
38.

260 And overwrie hem after with a rake.
The caules that of seede encluse uppe wynde Wol bygger be, but latter thai awake. Their bowes puld with parcel of the rynde 264 In veer better then planntes shall thou fynde. Transplannte alle hoole the plannte, and it is slaye. ${ }^{6}$ And other benes bowes all to braye. ${ }^{7}$
39.

And therin, or in stalons ${ }^{8}$ forth thei sette
268 Her seede, and best for hem is solute lande. Thay sayen eke stolon seede is but the bette. In figtree shadowe gladdest wol it stande. Ne delve awaye the weede, but pull with hande.
272 Fful ferd it is for touching of unclene Wymmen; and sluttes I suppose it mene.

| ${ }^{1}$ oculus. | ${ }^{2}$ primum. | ${ }^{3}$ ad firmam. | ${ }^{4}$ firme. | ${ }^{5}$ aprico. |
| :---: | :---: | :---: | :---: | :---: |
|  | ${ }^{6}$ occiditur. | ${ }^{7}$ contundunt. |  | lbes. |

40. 

Coriander grows best from old seed.

Long gourds
grow from the seeds which are in the neck of the pod.

Hang up the seed till winter, or they will rot. Blite,oncerooted, lasts long words (quare worlds, ages).

Pelitur (serpyllum) grows best near the water's edge. Anise and cummin to be sown now.

Til Octob'r from the ingresse of this moone Ys Coriander (sette) is fatty londe, 276 And thelder seed, the better wol it doone. In lene soil also thay wol up stonde. They were eke glade good humor when thay fonde With every kind of wortes wol thay growe.
280 This gourdes ${ }^{1}$ in this moone also beth sowe.
41.

Ffatte soil thai love ydounged, molsh, ${ }^{2}$ humyde.
In gourdes this is goodly, that the longe Gourdes growe of the necke seede, and wyde
284 Gourdes up of the botteme seed beth spronge :
And greet oute of the wombe seedes honge;
Inverse her seede to this entente let sowe, And helppe hem up with rayles, as thay growe.
42.

288 Gourdes for seede til Wynter honge stille; Hem then in sonne or smoke it is to drie. And elles wol thai rote, and that were ille. Iche erthe ywrought nowe blite wol multiplie.
292 And weede it not; hit self wol seedes strie; That though the list, yf it be oons spronge, Thou shalt it not destroie in wordes longe.

## 43.

Nowe pelitur to plannte is and to sowe, 296 But in his age it wol be bowed feire, By ponde, or laake, or wynche if that it growe So by the brynke. Anyes in gladsom ayer And comyn sowe hem now ther is theire leire.
300 And helppe hem wel with humour and dounging. Nowe cometh the crafte pomgarnat up to brynge.

## 44. <br> De malo Punico.

In Aprille and in Marche in tempur lande Pomgarnattree is sette, in hoote and drie

Hot soil best for pomegranates.
For setting pull plants from root.

304 In Novemb'r this tree loveth to stande
In chalky, lenyssbe lande to multiplie.
To stande in fatte lande wol it not denye.
Good eke for it beth regions hoote.
308 Ffor settyng plannte is best pulde from the roote.
45.

In dyvers wyse alle though it may be sette,
To sette is beste abough a cubit longe,
Clenliche ycutte iche ende an hafte greett, ${ }^{1}$
312 And sette it in the delf so lenyng wronge. ${ }^{2}$
But first her either ende in swynes dounge
Ywonden ${ }^{3}$ be, or with a mal in hande
That softe is smyte hem ynne, and let hem stande.
46.

316 The bough to sette is best in germynyng,
To putte eke in the roote of hem III stonys
Ys crafte to kepe her fruytes from clevyng.
But hem to sette enversed nought to doone is.
Three stones put into the root will prevent the fruit from cleaving. Frequent watering will make them sour.
320 To wattir hem eke nowe and nowe ${ }^{4}$ eftsones Wol make hem soure : in landes that beth drie Thai wol be swete enough and multiplie.

$$
47
$$

Yit watter hem yf over drie it be.
Laser (benzoin) with wine pouredon the top is a remedy against sourness; or drive a peg of firewood through the roots, or cast sea weeds on them.
328 The rootes, and dryve ynne a firbronde ${ }^{5}$ pynne. Other so dolven kesteth seefroth ${ }^{6}$ ynne.

The plants to be a cubit long of a hand's breadth, driven in obliquely with a soft hammer.

## In hervest and in veer hem umbidelve.

Yf thai be soure, eke stamppe a quantitee Of laseris with wyne, hem two hemselve, And helde it in the croppe, or umbidelve

[^53]48.

Others make a compost, and put a stone of it on the roots thrice a year, or oil dregs and seaweed twice a month.

Inclose them in lead, or in an adder's skin; if they erack, place a stone under the head root, or sow squills, or twist tow round them as they hang.

Summen therwith doth asse and swynes dounge; And yf the floure holde not upon the tree, 332 With water mynge uryne observed longe. Thaire roote on this oon yere doo tymes three. Oon stene atte oon tyme is goode quantitee. Oildregges eke is goode, outhir seefroth, 336 And twye a moneth kest on hem this broth.
49.

Or thus: the flouring tree trunk in leed Enclude, or in an edder skynne it wynde; ${ }^{1}$ And yf thai chappe, ${ }^{2}$ a stoone under the heed
340 Roote is to doo, to sowe eke sqille is kynde On every syde : eke hem doo writhe or wynde ${ }^{3}$ In togh ${ }^{4}$ upon thaire tree right as thai honge; And incorrupt thai wol been alle yere longe.
50.

344 For wormes bathe her roote in oxe galle; And doute it not anoon thai wol be dede. Or with a brason pynne of scrape hem alle. And hardde it is yf thai therafter brede.
348 Or ass uryne and swynes thost let fede Hem therwithall; and thai wol die or flee. Now se thaire craft for hem mervel to see.

## 51.

Kest lye and aske ofte (up)on the trunke aboute, 352 And thai wol be right gladde and fructifie. Eke Marcial affermeth oute of doute That greynes white in hem this crafte will die: ${ }^{5}$ To cley and chalk the firth part intrie
356 Of gipse, and doo the rootes to $\operatorname{II}$ yere, And this wol make hir greynes white and clere.
${ }^{1}$ involve. ${ }^{2}$ crepent. ${ }^{3}$ torquere. ${ }^{4}$ in tenacibus. ${ }^{5}$ colorare.
52.

To make hem of a myrous magnitude, Ley doune an erthen potte beside her tree
360 Oon bough therin with oon floure let enclude,
But to a stake ybounden must it be
Ffor lepyng out: this potte ycovered se.
By hervest wol thi potte this apple fille.
364 If this be soothe, the craft is not full ille.
53.

With juce of portulake ${ }^{1}$ and tytymalle
Evenly myxt, or thenne the budde oute sprynge,
Enointe the trunkes of this trees alle,
368 And manyfold of fruyte uppe wol thai brynge,
It will make them of wondrous mag. nitude if you enclose one blossom on a bough in a pot tied to a stake, to prevent its getting out, and covered.

Anoint the trunks with purslain or thithymallus ere the buds shoot. Graft it upon itself, pith to pith, in March.
In bowes of it self is his graffynge.
Devyde hem that pith ${ }^{2}$ be fro pith serjointe. ${ }^{3}$
In thende of March thaire graffyng is in pointe.

## 54.

372 The fresshest graffe is in the stook to doo
In hast, lest tarying his humour drie
That nys but smal ; to kepe hem longe also, Let pitche her pedifeet, ${ }^{4}$ and honge hem hie.
376 Or plucke hool into see water trie Hem feire, or into oildregges hoote hem deep.
Or this or that iri dayes let hem steep.

$$
55 .
$$

And after drie hem in the sonne, a nyghtes
380 Leve hem not throute, and then in places colde
Leave them not out of doors anights. When you wish to use Lette honge hem uppe. To use hem thus to dight is: them keep them
In water fresshe II daies be thay wolde,

## Graft them

 quickly, pitch the stalks, and suspend them; or pluck them whole and plump them them in seawater.Thai wol be fresshe and fyne her on be bolde.
384 Or ley hem feire in chaf that never oon other Touche, and ther thai beeth save ynough, my Brother.
${ }^{1}$ pussillane. ${ }^{2}$ medulla. ${ }^{8}$ sejuncta. ${ }^{2}$ pediculos.
56.

Or make a trench and place over it a piece of bark of thesamelength to keep off moisture.

Or make a diche in longe, and take a rynde As long as it; in that the stortes doo
388 Of pomgarnat before and not behinde.
Then turne it on this diche enversed soo
That thay may honge and noo lande come hem too.
This rynde hem wol from alle humor defende.
392 Other hem drye in cley, and so suspende.
57.

And bury a jar half full of gravel in the open air; take pomegranates with their stalks, and press them in with canes or elderbranches.

Eke whelve a seriol ${ }^{1}$ ther-oute ${ }^{2}$ that have Gravel upp to the myddes, pomes take The tenes ${ }^{3}$ with to stande in cannes save, 396 Or holgh ellerstickes is goode to make And fyngers imr up from the gravel stake Hem so. Eke good it is to kepe hem longe, ${ }^{4}$ That stalkes be not left on hem to longe. ${ }^{5}$
58.

Or suspend them in a jar half filled with water, or keep them in a tub of barley.

To make pomegranate wine, press the ripe grains in a basket of palm, and after boiling, mix six pints with a pound of honey.

400 Or in a seriol ${ }^{6}$ half water fild
So licoure touche hem not let hem suspende, And cloos it faste in wynde lest thai be spild. Or lette a tonne of barly hem comprende
404 Uchoon from other, close it til thou spende.
Thus kepeth men this fruyte in dyvers wyse. And wyne to make of hem this is the gyse:
59.

The greynes ripe ypurged fresshe and clene
408 Putte in a poche ${ }^{7}$ of palme and with the wrynge Let presse hem, boile hem half awaie bydene. Whenne thai beth colde in pitched vessellinge And cleyed close hem up. But that boilynge
412 Of sum is leeft. Six sexter with a pounde Of honey meddel thai, and save it sounde.
${ }^{1}$ seriolam. $\quad{ }^{2}$ subdivo. ${ }_{6}$ seriola. ${ }^{3}$ tenacibus. ${ }_{7}$ fiscella. ${ }^{4}$ diu. $\quad{ }^{6}$ longe.

## 60.

In March orenge is sette in sondry wyse :
In sede, in bough, in branches, ${ }^{1}$ and in clave, ${ }^{2}$
416 Thai loveth lande that rare is and divise.
Eke after heete and rayne thai ever crave.
But greynes sowe, and thus thou shalt hem have:
Lande dolven two feet deep with askes mynge, 420 And bedde it smal for wedyng and wattrynge.
61.

And make a delf with hande an handfull longe,
And doune the pointe thre greynes therin doo;
Weete hem daily; sone upp thai wol spronge ;
424 Soonest yf luke water be kest therto;
And herbes next the brannches weede hem froo.
Her tyme of transplanntyng is III yere age.
A bough yf that thou sette a foote him gage;
62.

428 No lenger, lest hit rote: ${ }^{3}$ and of the clave
Is best an handful greet in crassitude, Her eith'r ende ysmoothed ${ }^{4}$ is to have, And cubital let make her longitude.

Put three pips in a trench a palm long, and water daily. If you plant a bough let it be a foot deep.

Not more, lest it rot. If you plant a clave (or truncheon) let it be the thickness of $a$ hand and a cubit in length.

Morediligent folk wrap both ends in dung.

436 Encludeth her either extremitee.
With seefroth ${ }^{6}$ other have hem umbiyonge. ${ }^{7}$
An other list ycleyed hem to se.
The brannches smaller shorter must thai be;
440 In like maner eke drench it as a clave, But landes tweyne is longe ynough to have.

[^54]In cold countries they must be inclosed in high walls to thrive. Cover them with straw in winter,
and uncover them in summer. Plant them in hot soils in autumn, in July or August n cold lands.
64.

The clave ysette axeth noo spaces large Hoote, ronke, and weete he loveth nygh the see.
444 Though treen upholde him not, he geveth no charge :
In countree cold and tild yf thai shall be
Men must hie enclyse as forto thee,
Or sette southe. Eke in the wynter season
448 Covert of stre thaire coldes must appeson.
65.

Whenne Somer cometh, unclose hem, thai beth sure.
Eke braunche and clave in landes ferventest
Atte hervest forto sette, as doo thi cure.
452 At Juill and Aust in landes chillingest, ${ }^{1}$
And daily make hem dronken hardiest.
I am expert so that thai forto greet ${ }^{2}$
In magnitude, and brynge in pomes greet. ${ }^{3}$

The vines of gourds burnt make useful ashes for oranges.

Graft them on pears and mulberries. In Assyria there are oranges never without fruit, Martial says, and in Sardinia also.
66.

456 The gourde ${ }^{4}$ is goode nygh this orenge ysowe, Whoos vynes brent maath askes for hem sete. And delvynge ofte enyoieth hem to growe, And to provyde of pomes goode and greet.
460 But here and there the drie awaye surtreet. Hoot lande Aprill, and cold in May is kynde To graffe hem lowe in trunke and not in rynde.
67.

In per tree graffe hem, and molbury ${ }^{5}$ tree.
464 Oon in an erthen potte the graffes deeth.
Eke Marcial affermeth that ther be
Of hem in Assiry that never beeth
Withouten fruyte. Best witteness is that seeth. ${ }^{6}$
468 "I saugh," he saith, "inwith my territory
In Sardyne oothinge wel worthi memorie" :
${ }^{1}$ frigidissimis. ${ }^{5}$ grandescere. ${ }^{5}$ maro. ${ }^{8}$ magna. ${ }^{6}$ interpositio. ${ }^{4}$ cucurbita.
68.

There humour is, eke erthe and aier wel warme, That fruite to fruite fro gree to gree succedeth,
472 That children yonge her eldron after harme, The grene after the riper fruyte proceedeth. The floures sewe as fruites grene hem ledeth.

Where there is moisture and a warm air, there is a continual suecession from one degree to another, flower pursuing fruit, as children harm after parents. Thus maketh thai of thaire fertilitee
476 In helping nature a feire eternytee.
69.

Thai sayen thaire bitter margh ${ }^{1}$ wol channge sweete The bitter pulp Her seede in meth ${ }^{2}$ III daies yf me steep, is made sweet by steeping, in mead or ewe's milk. Other in ewes mylk ${ }^{3}$ as longe hem wete. Some bore the trunk.
480 In ffeveryere sum men eke bore hem deep;
Into the trunke upwarde humoure to weep
Out suffre thai until the fruyte be fourmed;
The myddel to sweetnesse is thus confourmed.

$$
70 .
$$

484 Nigh alle the yere men keep it on the tree. Thai keep it bette in cloos vessel ydoone.
With levy bowes puld eke let hem be By nyght, and under cloude yhed the moone,

To keep, they should be gathered at night, with leafy boughs, when the moon is hid by clouds.

488 And privily disposed up ichoone.
Sum eke clere iche of hem in his vessell, And in a place of derknesse keep hem well.

$$
71 .
$$

Hem sum in cedur scobe, and sum in stre Some keep them 492 Mynute, and sum in smal chaf wol witholde. Nowe meddellers ${ }^{4}$ in hoote lande gladdest be, in cedar-shavings, or straw, or chaff. Medlars grow in clay, mixed with stones or sandy
gravel.
72.

Medlars increase slowly. Theylove cutting and frequent watering.

A brass pin will drive off worms. Too much quicklime would make them unfruitful.

Vinegar and ashes mixed with red ochre kill ants. If the fruit fall off, drive a piece of the root into the centre of the trunk.

They must be grafted in the trunk, not in the bark, which is lean and weak. To keep they must be plucked unripe.

In Novemb'r and Marche her brannches ${ }^{1}$ sette
In dounged lande subact, her eith'r ende
500 In dounge ydoone. Thaire increment to fette Is ferre, and unbydelvyng wol hem mende.
Kittyng thai love and lite humour to spende
Ofte in the drought. The seede also is sowe,
504 But hope is longe on it her fruytes growe.
73.

A pynne of brasse the wormes of dryve, Or oildregges, or mannes olde uryne, Or quyk lime, lite of that, lest it unthryve.
508 Or kest on water of decoct lupyne.
For bareynnesse yet men from that declyne.
Mynge askes of vyne and dounge, and hem infounde Into the roote, and thai wol be fecounde.
74.

512 Aisel and askes tempred with rubrike
Ykest on hem sleeth doune this Anntes alle.
Oute of the roote a pece ${ }^{3}$ it is to pike
Yf that the fruyte myslike and from hem falle.
516 This pece a mydde his trunke it is to malle. ${ }^{4}$
And in himself graffe hem in ffeberyere, In mele also, eke graffe hem in the pere.
75.

The graffe is to be take amydde his tree.
520 The toppes vicious are often sene.
In trunkes cloven guaffed must thai be
Not in the ryndes; thai beth fastyng lene.
To keep, ypuldde"not mellowy but grene
524 Wolde be ; longe on the tree thai wol endure.
Eke thai in pitched pottes kept are sure.
${ }^{1}$ taleas. 2 sere. 3 frustrum. * percute.
76.

Suspence in rule hem keep with pusk condite
Ypuldde in myddes of a day serene.
528 Or in smal chaf asonder hem alite. Semymature also me may hem glene, ${ }^{1}$ And daies $v$ in salt water hem lene. In-founde hem then until thai swymme, and depe 532 In hony this fruyte ripe ynough thou kepe.

## 77.

The fige to plannte in hoote lande best is holde
In Novemb'r; and there is tempre lande
In Feberyere; and there as lande is colde
536 In Marche, or in Aprill it doo to stande.
A toppe of it to sette other a wonde
Ys holdon best right in Apriles ende, When grene, and juce upon hem dothe ascende.
78.

540 The planntes sette is stones to sustene;
And dounged lande upon the rootes spende; And cannys knottes pike oute hem bydene. The tender cropp for colde herwith defende.
544 In places colde a topp, rII branched thende
Of II yere age or III towarde the sonne, I cutte and sette as here is taught, is wonne.

$$
79 .
$$

The greyn inwith the grounde is so to stonde
548 That graffes III on erthe aboven goon;
But cleve it softe yf that thou sette awonde, And in this clifte do feire a litel stoone.
In fferyere and Marche myself aloone
552 In Italie have sette fige planntes greete, And right that yere eke of thaire fruite eete.

Suspend them in a row, seasoned with posca; or separate them in chaff ; or maccrate them in saltwater.

The fig-tree, if grown from a cutting or a wand (stake), to be planted at the end of April when it is green.

Stones are to be placed on the plants, and they are to be defended from cold by split canes.

The plant is so to stand in the ground that three grafts may appear. But if you plant a wand (stake), cleave it andinsertastone.
80.

Plants sparingly knotted lack fertility.

But hem I sette in wel pastyned lande, And thai tributed with felicitee.
556 The knotty plannte is best ; for thai that stande
Yknotted scars lacketh fertilitee.
And thai that in the semynary be
Matured wel and plannted so wol sprynge
560 Upp feire, and pomys gentilest forth brynge.
81.

A bulbe of sqylle eke summen wol devyde, And ther into this plannte of fig-tree trie, And bynde it so therto that it abyde.
564 Thai love spaces large and delves hie, And landes that beth hardde, and smal and drie. To savoure wel in sharpe and stony lande, And almoost every where eke may thai stande.
82.

568 Thoo that in hilles growe or places colde Have litel mylk; for thi thai may not dure Til it be hoote; and best her use to holde As thai beth grene and greet, of savor pure
572 Argute ynough ; but fatter fige and sure To kepe in hoot lande and in feld is spronge. Thaire kyndes to reherce it is to longe.
83.

Sufficeth this, that all have oon culture.
576 And as the carike hath, yeve hem distannce.
In places passyng colde it is moost sure
Precox to plannte, her fruyte thai soone enhance
Er shoures come; eke it wol moost avannce
580 In landes that beth estyvous for heete The figtree latly riping forto gete.
84.

Hit joyeth dolven ofte, and it to dounge
Dung from the aviary is best for In hervest is availle; dounge of the mewe ${ }^{1}$
584 Is best for hem. The roted and mys spronge
Let kitte hem of, and so that thai may sewe A broode by grounde. Her taste is eke eschewe In places weet, and hem therof to boote them. Cut off decayed and illgrown branches, so that the tree may spread laterally. Cast ashes on the roots when cat round, to cure the flavour.

588 Kest askes on thaire circumcised roote.
85.

Sum men sette amonge hem caprifige
Tree, that it nede not for remedie To honge on every tree that trees fige.
592 In Juyn, as sonne is hiest, to caprifie
The fig-tree is, that is to signifie
The figges ${ }^{2}$ grene of caprifigtree rende ${ }^{3}$
With tree made like a sawe on hem suspende.
86.

596 Ffor lacke of that, a yerde of southernwoode or hang on it Let honge upp that ; or this : take rammes hornys, $\underset{\text { southern-wood }}{\text { a }}$; Kest hem aboute her rootes, thai beth goode, Or callum that in Elmes leves borne is;

Some plant the wild-fig amidst figs instead of hanging its fruit on every tree. Caprify when the sun is highest in June.
or put ram's horns or callum on the roots ; or scarify the roots.

600 Thaire abundance as goode as rammes horne is.
Or thus: the turgent trunke let scarifie,
That humour eflluent oute of it hie.

## 87.

To make hem save from wormes sette a bough
604 Of terebynt, other a birche stalk.
Do that with figtree planntes in the slough ${ }^{4}$
Enverse, and wormes in hem wol not walke.
Or brason scrapes oute of everie dalke

Against worms place an inverted bough of turpentine or birch in the trench. Remove the worms with brazen scrapers from every hole (dalk).

608 Hem scrape ; oildregges oon, and olde wyne Another to thaire rootes wol reclyne.

[^55]88.

Oon useth cley, ${ }^{1}$ an other oil, and he ${ }^{2}$
With quyk lym wol her dennes have for doo,
612 Yf anntes unto thayme ennoyes be, Rubrike with pitche and butter must be doo The trunke aboute, and utter wol thai goo. Pitche coratyne upp hanged in the tree 616 Ffor anntes, saithe an other, wol see.

$$
89 .
$$

Yf figtree cast his fruite, oildregges oon, Rubrike an other watermyxt wol doo Upon the tree, the thridde is forth ygoon, 620 The floode-crabbe and a braunche of rue also Upp hongeth he. Seefroth the firthe is goo To honge upp, and the $\mathrm{v}^{\text {th }}$ he saithe a sithe Made for lupyne is upp to honge aswithe.
90.

624 An other saieth the rootes shal be bored, A wegge in every boore eke shal be steke The rynde an other hath with axes scored. But when the leves gynneth oute to breke, 628 Of figes fatte and fele it is to speek. Right as thai first begynne in germynynge, Thaire highest topp choppe of for any thinge,
91.

Or choppe of that amydwarde in the tree.
632 And premature yf that the list elonge, Thaire grosses, whenne as greet as benes be, So take hem of. Eke yf the thinke hem longe ${ }^{3}$ Unripe, in oil and juce of stalons longe
636 With pepir myxt ennoynt her pomes, whenne Thaire grosses rody wexing me may kenne.
1 bitumen.
2 tertius.
${ }^{3}$ din.
92.

And in Aprill a figtree graffed is
Under the rynde, and if the tree be yonge. ${ }^{1}$
640 The cloven stok to graffe is not amys,
Graft figs in April under the bark, or, if
young, in the cleft stock, and cover them close (lest wind) get in. They take best near the ground.
And wrie hem fest, ther into yonge. ${ }^{2}$
Eke next the grounde ykitte wol sonnest fonge.
Men graffe in Juyn, oon yere olde graffe is take
644 And more or lesse, as nought is to forsake.
93.

And in Aprill figtreen inoculate
May best be there as drie landes be,
And eke in Juyll thaire lande is mediate.
648 Atte October in luke lande pletcheth ${ }^{3}$ he.
In caprifige and in mulberry tree
Figtree men graffeth forto multiplie,
And oon wol use a graffe, an oth'r the eye. ${ }^{4}$
94.

652 Eke figges grene in hony may me keep
So thai ne touche, Outher in gourdes grene
Make everie fige a dover into creep,
And that was cut of close it after clene,
656 And honge hem ther no fir ne smoke is sene.
Fig-trees may be budded in April in dry land, and in July where the land is middling. Another grafts in October in tepid land.

Keep green figs in honey, or in a green gourd, Hang them where no fire or smoke is. Put them in a fresh pot and make it swim in wine.
A fressh potte on hem sevred pitcheth ynne, And dothe this potte swymme in a tonne of wyne.
95.

And Marcial saith men in dyvers wyse
660 Her figges keep, and oon for everichoone, As campaine hem kepeth, shall suffice. On fleykes brede and drie hem is to doone And yet al softe in baskettes repone.
664 And in an oven hoote upon mir stonys

One method of keeping is sufficient, as in Campania : spread them on broad, dry crates, and lay them whilst soft in baskets in an oven, upon three stones to prevent burning. For brynnyg it this figgy basket doon is.

[^56]96.

When baked, place them hot in a jar pitehed and covered, their leavesbeing laid between them and the pot. In rain dry them in the house on hot ashes.

Plant fig-tree cuttings. To make one tree bear diverse fruits take two boughs, a black and a white, and twine them together.

Thus united they bear fruit of different colours in divided unity. Now graft pears, apples, service trees, quince, etc.; also pistacia and pine-apples.

Now is the time to buy oxen, or to prepare for use those you have; for they are now lean and you see what they are.

Whenne thai beth bake, alle hoote into a stene Lette hem be pressed pitched and ywrie,
668 Thaire leves doon the potte and hem betwene.
For rayne in sonne yf thou ne maist hem drie
Hoote askes may this fleykes under strie
In house in stede of sonne, and dried so
672 In chistes smale or coffyns hem doo.
97.

Of figtree toppes planntes nowe thay make, And dyvers fruite oon figtree forth to brynge, Two bowes, oon blaak and oon white, thai take 676 And bynde and wethe ${ }^{1}$ hem so that germynyng Comyxt upp goo: thus sette hem forto spryng In moist ydounged lande annexed so
That the een ${ }^{2}$ germinannt togeder go.
98.

680 Thay uned thus fruite of dyvers coloure
Upbryng in this dyvysed unytee.
This peres graffe and pomes sweet or soure,
As serve or quyns, plumme and mulbyry tree.
684 The rx $^{\text {th }}$ Calende of Aprille doon this be.
Pistacia is graffed nowe to growe
In colde lande, and pynapul seede is sowe.
99.

De comparandis bobus, tauris et vaccis.
And tyme is nowe thyne oxen to be bought.
688 And be thai bought or of thi propretee,
Hem nowe to greithe is goode for ought or nought.
Now be thai lene, and sheweth as thai be,
And light to tame her contumacitee.
672 Ther are in hem certayne signes spectable Which is to eschewe, and which is profitable.

[^57]100.

Take oxen yonge, ylymmed greet and square, Ychested sadde, in brawnes rysing greet,
676 Whoos fronnte is crispe and glaade, large eres are, Thaire lippes and thair een blacke as geet, With hornes stronge and streght is goode to gete,

Great limbs, firm chest, rising muscles, curly forehead, large ears, black as jet, straight horns, brawny neck, ample dewlap, wide nostrils. Compact a runcle necke, dewlapped syde
680 Unto the kne, and nosed upwarde wyde.
101.

Yshuldred wyde is goode, an huge brest, No litel wombe, and wel oute raught the side, The leendes broode, playne bak and streght,
684 The thies sadde and senowy, not to syde, With greet cleen, and tailes longe and wide, The body thourgh yheered, thicke and breef. The rede coloure is best, and broune is leef.
102.

688 Bette is to take of contree then of straunge, Ther as with soil or aires qualitee
Thai be not tempted as to fynde a chaunge.
Or thus: take hem that of lyke countree be.
692 And of alle other this is forto see, That even strengthed thou togedir dresse,
The feebeller lest that the stronge oppresse.
103.

Thaire thewes is to see that thai be meek,
696 Quyk, and aferdde of clamoure and of gode, ${ }^{1}$ And ever appetent metes to seek. The fodder grene is best as for thaire foode. For faute of that gete other thinges goode,
700 And fodder hem as thai beth sette on werk. For boles eke now tyme is forto kark.

Wide shoulders, large breast and stomach, sides stretched out, thighs firm and sinewy, not too wide, hoofs large, tail long, the whole body covered with short hair, red or brown.

Better to take them from the neighbourhood, that they maynot want a change : or, at least, let all be from the same country, and of equal strength.

See that their tempers be meek, afraid of noise and the goad, and always ready to eat.

Time to care for bulls.

[^58]104.

Bulls to be tall, large limbed, not too old, with stern face, brawny neck,small horns, stomach narrow (qy. streyt). Choosecowshigh chested,
high-headed, with large stomachs, fair, black horns, hairy ears, wide dewlaps, great tails, little hoofs, black, short thighs. Let them calve from three till ten years, not earlier.

Carefully remove the old. Greek notions on the subject.

In winter keep the herds near the sea; in summer where there are bushes and herbs.

Take bulles that beth high, ylymmed huge, Of myddel age, and rather yonge then olde,
704 A ferdfull face, his neck in many a ruge ${ }^{1}$ Yfretted greet, and litel hornes wolde He have, ywombed strerte is likely holde. The kyen also the tyme it is to trie.
708 Doo cheese hem that be chested huge and hie.
105.

For heded hie and wombed longe and wyde Black horned feire, and een greet and blake Wel hered eres, and dewlappes syde,
712 With tailles greet, and litel cleen thou take Blake hered theyes short, I undertake That goode are thai calvyng ${ }^{2}$ from III yere olde Til x is best, and other with noo holde.
106.

716 Thyne olde away to doo be diligent, To werk or what thou wilt, and take in yonge. The Greekes sayen that the lift ${ }^{3}$ instrument, The lift stoone of this bulles bestes stronge,
720 Knytte him fast in his purce and let him honge In coitu, and he shall gender males, And his right stoones up knytte genderes females.

$$
107 .
$$

But in this caas thai mosten been abstened
724 From generacions libertee Til thai therto be verray hoote for tened. And have thi drove in wynter nygh the see In places glade; in hilles may it be
728 In Somer, namely thaire as bosshes growe And herbes for thaire fosteryng ynowe.

[^59]108.

Though thai be better fedde aboute floode,

Rain-water in pools is best for them; for it is warmer than river-water. The herds may be out in the cold all the winter, but not cows in calf. This droves may the Winter cold endure Theroute all Winter thourgh, yf it be nede.
736 But for thi kyen incalf it is to drede.
109.

Lest thai have wronge, let make hem closes wyde,
Thaire stalles eke beth of utilitee
With stones pared well from syde to syde,
740 Or gravelled, eke flored may thay be With cley, and lenyng sumdel so that the

Let them have wide enclosures, paved or gravelled, or floored with clay, sloping to let off the moisture. Let themstand southward, with something to withHumour may passe. Eke southwarde stande it, colde ${ }^{\text {stand cold blasts. }}$ Blastes sumthyng object eke from hem holde.

744 Exon may nowe be tamed three yeer olde; That atte $v$ yeres age is harde to doo.
Thaire tamyng is by the heed hem to holde While thai beth yonge, and stroke hem to and to
748 With hande, and make afore her stalles so Enlarged rowme outewarde when thai beth wende, That noothing hem afere, or ought offende.

Oxen to be tamed at three years by holding their heads and stroking them with the hand. Leave room before their stalls that when they go out nothing may frighten them.

## 111.

And footes vir longe thaire stakes stonde
752 To teye hem to: but fully hem to tame Chese out the feirest day that may be fonde There noo tempest or thing is worthi blame. Now bringe hem oon and oon to yoke by name,
756 And yf thai be rebel, so let him stonde Fastyng oon day and nyght in yokes bonde.

[^60]Let there be stakes seven feet long to tie them to. On a fine day bring them one by one to the yoke. If they rebel keep them fasting in the yoke a day and a night.
112.

Caress them, and approach them in front, stroke them on the nose and back, sprink. ling wine upon them. If they begin to kick or butt, the habitre. mains with them.

When tamed rub their mouths with salt, and put three pieces of salted fat, each a pound weight, in their throat. A pint of wine given with a horn tames them in three days. Others work them gently at first on land already ploughed.

A shorter way is to yoke the wild ox to a tame one, and if he lie down in the furrow, only bind bis feet.

Fed stallions now visit mares, and then go to their stable. One horse is not sufficient for over-many.

Now glose hem feire, and bryng hem not behinde, But right afore of metes sum likyng,
760 And strook hem nose and bake, eke then is kynde Cleer ${ }^{1}$ wyne on hem alle esily to sprynge. But warre the horne and heles lest thai flynge A slappe to the. Atte this if thai begynne
764 And take effecte therfro thai wol not twynne.

## 113.

Thus tamed, her palate and mouthes frote With saltes, and salt grees pounde peces ${ }^{2}$ take, And three of hem putte in thyne exon throte.
768 A sexter wyne inwith an horne let shake In daies three thaire raginge wol aslake. And other tempte hem frist on werkes smale, In ereed lande the plough as forto hale.

## 114.

772 A shorter waie-the wilde oxe with the tame Yyoked be, to teche hem howe to doo. And in the forgh downe yf he sitte as lame, Noo fier, noo strook, noo prikyng come him too ;
776 But bynde his feete that he neither stonde nor goo. This doon, he wol for hungre and for drie Go from this vice, and use it not past twye.

## 115.

Feed stalons fatte goth nowe to gentil marys, 780 And, thay replete, ayein thai goothe to stable. Oon horses wit for over fele eke bare is.
Let every stalon have as he is able;
So may thai longe endure and profitable.
784 A yonge and a lusty hors, if it shall thryve, May have but twyes vi or thries v .
116.

Yeve others like her strengthes qualitee. But thinges Iv in hem is to be holde,

The four things to be regarded in a horse : first form.

788 Fourme, and coloure, merite, and beautee.
First fourme hem thus: greet rowme his body holde, And sadde for lacke of strengthe unlike to folde, Her sydes longe, her altitude abounde, 792 And buttocks have thay right greet and rounde.

$$
117 .
$$

Ybrested broode, and alle the bodie lifte In brawnes greet and knotty densitee,

Next beauty : a small dry head, and the skin close to the bones,
With holgh horne, high yshood, sadde foote and swifte;
796 Nowe have an eye aboute on thaire beautee.
The parties bethe thees in that to see:
A litel dried hede, uppon the bonys
Is best yf that the skynne wel streite ydoon is.

## 118.

800 Thaire eres shorte and sharppe, thaire een steep, Thaire noses thorled wyde and patent be, Thaire tail and mayne enlarged, wide and deep, Thaire hoof alle sadde fixe in rotunditee.
804 Colours nowe to knowe attendeth ye : short ears, deep eyes, wide nostrils, large mane and tail, hoofs firm and round. Next colour, bay, chestnut, liard, or roan, and light brown are good;
The baye is goode coloure, and broune purpure, The lyarde, and the white and browne is sure.

## 119.

The walnyed is goode, also the blake
808 Is fyne coloure, the falowe, and hert hued, The pomly gray for him I undertake, The gray, the goldenhered and the skued. ${ }^{1}$ And next hem in merite is dyvers hued
812 Blacke, bay, and permyxt gray, mousdon also, The fomy, spotty hue, and many moo.
also walnied, black, the colour of the fallow-deer and hart, dapplegrey, grey, golden - haired and skew-bald. Next in merit, black and bay mixed with various colours, mouse-dun, etc., etc.
120.

Stallions to be of one clear colour ; all others to be excluded, unless of signal merit. Mares to be large in bulk and stomach in wellbred stables.

Take care that stallions be kept apart, lest they hurt one another when furious. In summer place them where is cold and shade.

In winter let them frequent rich and warm pastures, hard enough to strengthen their hoofs. If the mares refuse the horse anoint them with powdered squills.

But stalons best beth clear in oo coloured, Alle other lefte, but pf the magnitude
816 Of thaire merite hem that been discloured Excuse, and in a moaner so exclude.
The mares take of like similitude, But rathest be thaire boll and wombes large.
820 This crafte in gentil hares is to charge.

## 121.

Alle other mares may be with thaire malls All yore atty large; and this is thaire nature: That months xII in foll everie female is.
824 Another thing in stalons is to cure,-
That thai be sette asonder for lesure
Whine thai beth mode ; and do this mane drove In Somer there is colde and thick of groves.

## 122.

828 In winter the is fattest and plesaunte, And sumdel hardde to sette atty firmitee Thaire hornes on thaire feet, this let hem haunt. Impacient of that females be
832 And wal noo male, her naturalitee With stamped squylle embawme other ennointe, And thai mol soone enable in that joint.

## 123.

Fro colde and hungre holde hem that beth greet
836 In fole, and yeve hem place atte thaire pleasaunce,
And gentil females that males gete
Iche other yare be kept fro fecundaunce ; [. $\square$
840 So shall thai be the bigger huge and pure.
Alle other take as cometh of hem no cure.
124.

A stalon may begynne atte yeres $v$, And his females at yeres ir conceyveth.
844 But after yeres x thaire coltes blyve
Shall never goo, the pukker thai deceiveth. Foles with hande to touche a corser weyveth ;
Hit hurteth hem to handel or to holde.
848 Defende hem eke, as reson wol, from colde.
125.

In foles, as thai are adolescentes,
Yf thai be goode, asmoche is forto see
As is aforne wel saide of thaire parentes,
852 Quyk, swifte, and steryng with hillaritee.
Now foles two yere olde may tamed be :
Take brawny-bodied, huge, argute, and longe
Smal ballockynge, and ever shortte uphonge.
126.

856 In other thing take hem her fader like, So thewed that from high quiete and rest Anoon thai may be stered forto prike, And fastest pricked turning at the best,
860 Ner harde be it not eft to make him rest. Thaire myddel teeth aboue at two yere age Thai cause, at yeres IIII an other gage.
127.

Er yeres six oute gothe the gomes stronge,
864 The caused first at yeres vi are even. ${ }^{1}$
At vir yere are all illiche longe,
The markes of thaire age are lost at sevon.
Thaire browes hoore, her tempils holgh unevon,

The colts of a mare more than ten years old of little value. Foals not to be handled.

Foals to be chosen by the same marks as their sires; they may be broken in at two years.

Let their thews (manners) be such that they may be stirred from rest to speed, and again from greatest speed made to rest. They change the upper middle teeth at two years, and at four change again.

[^61]868 The teethe oute seeth. Now alle imr footed bestes, And namely hors, to geldde yholdyn best is.

## De Mulino genere \& Asinis. <br> 128.

For mules choose a mare strongboned, of great bulk and noble form, three years old.

His wife (the ass) is to be haled out, the mare is to be haled in.

The best bred mules are from the mare and the ass. The produce of the wild ass and the mare sure to be strong and swift.

A stallion ass to be bulky, firm, brawny, fir strong and steady ; black, mouse-coloured, or red. If the brows and ears are spotted, the offspring will be variegated.

This mules forto make who so delite, A mare yboned sadde, sbulked greet,
872 Yformed nobully most been elite;
And though she be not swyfte, a strong one gete Of yeres IIII unto this werk to trete. Till yeres x she for this admyssure
876 Is goode, but this mot have a besy cure.
129.

The mare yf the asse eschewe, on his female As tempte him first ; and when he gynneth ride, Hys wyf is oute, this mare is into hale.
880 While he dothe on, that other holde aside. For furious in lust he wol abide
And doo: but yf he bite hir in his rage, Let labouryng his melincoly swage.
130.

884 A mule eke of an hors and of an asse
Is hadde, and of a wilde asse and a mare,
But gentiler in kynde never nasse
Then of the mare and asse yformed are.
888 Of asses wilde and mares better nare, Ther noo stalons of whome the geniture For to be stronge and swyft me may assure.
131.

A stalon asse ybolked, brawny, sadde,
892 And large ylymmed, strong, and steyth, alle blaak Or mou(s)hered or reede is to been hadde. But chois yf that ther be, moushered taak. And discolour in browes hath a laak
896 And eres eke, but what that thaire of [s]prynge Of variannt colour forth thai brynge.
132.

Three yeres age is leest and x is meste, And from her damme a she asse oon yere olde
$900 \mathrm{D}_{00}$ putte in share pastures that the beeste
In tender age on labour gynne holde;
The male aselle in feeldes forto holde
Hit needefull is, for he to diligent
904 Laboure wol take, and ek be negligent.

## De apium infirmitatibus \& curacione.

 133.The bee that Marche is wonte to be ful seke, That after Winter colde and abstinent
On titimalle and elmes gynneth pike
908 That bittir be, wherof anoon relent
Thaire wombes are, and sone be thay shent
But yf me helpe anoon with medicyne.
Nowe rewe on hem and helpp hem oute of pyne.

## 134.

912 Wyne Amynee with pomgarnates grayne, Or reyson graynes with dewe ${ }^{1}$ Siriake ${ }^{2}$
And mighty wyne, alle this ygrounden playne And boiled in sharppe wyne is forto take
916 And into litel treen trowes shake. Or roosmaryn ${ }^{3}$ in meth ${ }^{4}$ decoct congele, And yeve it hem in gutters, ${ }^{5}$ hem to hele. 135.

And clorded ${ }^{6}$ yf thaire backes be, silent, 920 And slough, a thing horrible to beholde, And corses dede oute beryng diligent, Chaneles ${ }^{7}$ is to make of cannes ${ }^{8}$ olde That iche of hem a quantitee may holde.

From three to ten years is the age. Place the she-ass of one zear in rough (?) pastures to learn labour; keep the male in the fields, to work and be idle in turns.

Bees, sick after cold and abstinence, will pick spurge and elmblossoms, and be injured unless helped by medicine. Pity them.

Give Amynean wine with grain of pomegranate, or Ros Syriacus, with raisins and strong wine; shake in little troughs made of trees, or give rosemary boiled in mead.

If they be contractcd, silent, and slow, carry. ing out dead bodies, make channels and put in honey and powdered gall, or powdered rose. Or pouder rose, and it wol hele hem alle.
${ }^{1}$ rore. $\quad 2$ Siriaco. $\quad{ }^{2}$ rosem marinum. $\quad{ }^{5}$ ymbricibus. $\quad{ }^{2}$ contracto. $\quad{ }^{4}$ mulsa.
136.

Cut away rotten and empty combs with the sharpest knife of all the row.

Abundance often injures them; for they think of nothing but working till they die. Therefore if the combs drip with excess of honey, keep them three days at home.

Thus stopped up they will attend to generation. Cleanse the hives about the lst of April wherever winter has damaged them, and pick out moths, spiders, etc.

Placeunder them smoke of incense and dry ox-manure till autumn. Advise thee well (i.e. take care) to be sober, chaste, sour meats being uneaten, exempt from baths, etc. in doing bees service.

Moost spedy is the roten combes kerve 928 Thaire empty combes of the same serve.

## 137.

Ek ofte ennoieth hem felicitee, As floures over fele of whom thai trie So faste hony that on fecundite

$$
138 .
$$

940 Thus stopped uppe, in generacion Thaire dwellyng places expu(r)gacion Of every filthe aboute Aprill Calende
139. From bathes aliene, unclene odoure, 952 And sauces alle and metes salt aryse

Awaye, and yf the swarme is but of fewe,

But take the kennest knyf of alle the rewe, To doe this softely with, lest alle remewe, And thai seyng thaire dwellyng so forfare 932 So fly awaye with greet compleynt and care. 936 Thai thinketh not, nor horde to multipli, But dothe hemself travaille until thai die. Forthi yf combes ronke of hony weep, ${ }^{1}$ Three dayes stopped up atte home hem keep. And brynging babes forth thai wol attende.

944 Wol have of right ther Wynter hath it shende. Nowe pike oute mougthes, ${ }^{2}$ attercoppes, ${ }^{3}$ wormys, ${ }^{4}$ And butterflie ${ }^{5}$ whoos thoste engendryng worme is.

Smooke of encense effuse in drie oxe dounge
948 Doo under hem, to hele hem and socoure. Til hervest doo this ofte, yf it be longe. Alle sobre, chaste, uneten metes soure, The wel to been, in doyng been servyce.
140.

With October Marche houres feet beth even Length of the The first hath xxv. feet, xv
956 Feet hath the secounde houre, the thirdde xi, The fourthe hath virr, and $v$ up six sustene, And six hath v. In vi, vir demene, And so goo forth. $x$ hath feet thries $v$. 960 xi goth with xxv blyve.

## Deo Gracias.

Nowe Marche is doon and to correctioun
The translator's His book is goon, as other did afore, Of him that said I thi protectioun
964 From all thy foon adversannt lesse \& more ; And his beheste stedfast is evermore. Honoure, empire, and jubilacioun To Ihesu Crist in special therfore, 968 My lyf, my light, my right salvacioun.

## APRILIS.

## BOOK THE FIFTH. <br> Prefacio in quintum librum.

The translator's preface.

Trefoil sown in April will last ten years, and may be cut four or six times. It dungs lean lands, fattens lean beasts, cures sick ones. An acre enough for three horses a year.

Ayenie to werk am I sette, and I haste. Come of, let see who be the sharppe penne. The tyme is riche, and synne is hit to waste, 4 Every moment saith "Rys! I goo. Come, thenn, ${ }^{1}$ To jugement." 0 what may I saye thenne ${ }^{2}$ That many an hour have spende \& not alle well.
But Mercy, God! Now husht of that: for renne
8 I must, and here begynne atte Averell.

## De Medica seretica \& disciplina ejus.

## 1.

At Auerel Medike is forto sowe In beddes fourmed, as is taught beforne, That ones sowen yeres x wol growe, 12 And yerely imir or tymes sexe yshorne. Hit doungeth landes lene, and beestes lorne For lene it fedeth uppe, and seek aviseth. Thre hors ayere an acre wel sufficeth.

## 2.

16 A cruse is for a bedde ynough to take Of footes v in brede, \& double longe, And wrie hem quycly with a treen rake, Lest that the sonne up brenne, or do hem wronge.
20 From thennes doo noon yren hem amonge, But oonly tree, and goode is weede hem ofte, Lest weedes ille oppresse hem yonge and softe.

[^62]3.

First repe it late, that sedes sumdel shake,
24 And after repe it as the thinkest goode, And fodder for the beestes therof make, First scant ${ }^{1}$; it swelleth and encreaseth bloode ; And watter wele the londe ther as it stoode.
28 Sixe sithe ayere repe it; as ofte it weede :
And yeres $x$ ther is of it noo drede.
De serenda olea : de vineis, \&c.
4.

Olyve is graffed now in tempre lond, As is beforne ytaught, under the rynde

Do not cut it the first time till it sheds its seed. Let it be given to beasts sparingly at first, for it swells them and makes blood. Cut it six times a year.

Graft olives under the rind of the wild olive.
32 In wilde olyve, ${ }^{2}$ olyves forto stond
So that, though thai be brende, oute of thaire kynde
Thai chaunge not. This crafte be not behinde.
Maak delves, sette in hem thi wilde olyve, 36 And fille hem uppe half fulle until thay thryve.
5.

This wilde olyve ytaken, graffe hem lowe, And as the graff upp springing gynneth renne, The molde aboute his stock and him up growe
40 Wel upp over the grafyng stede; and thenne Though fire be sette on it it shal not brenne, His comyssure in erthe it stont so depe, And oute of it olyve ayein wol crepe.

## 6.

44 Olyves sum in rootes graffe, and rende Hem after out with parcells of the roote ; ${ }^{3}$ But first this craffes wel must comprehende. And set hem forth as planntes forto roote. ${ }^{4}$
48 From the virr kalend of Aprill it is boote, As Grekes sayen, til Jules thridde none To graff in hoote lande late, in colde land sone.

[^63]Graft it low, and as it rises let the mould rise about the grafting place. Then the joint is so deep that it carnot burn.

Some graft in the root, and when they have taken rend them off with part of the root, and plant them out. Graft from April 1st to July 5th.
7.

Before April the 13th vines are to be dug in cold places, and those which were not set in March should be set now. Panic and millet areplanted in places moderately dry.

Now sow cabbage to serve for colewort. Parsley will grow now till autumn.

Er thenne this moones Ide in places cold
52 Beth vynes dolve, and hem that Marche hath lefte Unsette, lette sette hem nowe. Nowe weeded wold Thi semynaires be, and dolven efte. Panyke and mylde in comyn drie is lefte. ${ }^{1}$
56 To sowe and eree ${ }^{2}$ upp feeldes fatte and weet, And weedes tender yette oute of hem geet.

De diversis herbis in orto.
8.

Last in this moone as veer is nygh atte ende, Brasike that wortes serveth is to sowe,
60 For tyme is past a croppe on it to ascende.
Eke Ache in every manner lande is throwe So it be weet. In drie eke wol it growe Yf nede be, and nygh in all the moonys 64 Fro pryme veer til hervest last, this doon is.
9.

As of this Aches there be kyndees three : The soure and stordy yposelinon, This is the first; the softe yfoiled be
68 Seconde, yclept Elioselinon, In lakes spronge; and Petroselinon
In places hardde uppe sprynging: diligent Men tille, and have alle three to theire entent.
10.

72 The gretter ache is made thus: fingres tre Ful of that seede doo in a lynnen thynne Clothe in a litel delf so sette it be. The growyng of hem into oon heed wol wynne,
76 And so be greet asonder not to twynne. Thai wol be crispe her seede yf that me crese, Or with a rolle or feet hem sprongen brese.

Parsley will be made crisp if you pound the seeds, or bruise them, after they are grown, with a roller or with the feet.

Three sorts of parsley: hipposelinon, helioselinon, and peiloselinon.
11.

Ek the older seede the sonner it is spronge,
80 The yonger dwelleth longer. Nowe Avage ${ }^{1}$ Is sowe, and so forthe alle the somer longe Til hervest come in with his gretter wage. But yeve him drinke ynough in youth and age.
84 For humour dronken, rathest upp gothe he, And sowen hidde anoon he praieth be.

## 12.

From him the weedes plucke: unnecessarie Is him to plaunte yf he be wel ysowe.
88 Yit better wol he spryng and higher caire Wel rare yf he be plannted forto growe, Eke juce of dounge and humoure on hem throwe. With yren him to croppe is his encrese, 92 So cropped forto sprynge he wol not ceese.

## 13.

Basilicon is sowen in this moone,
And theruppon ysowen yf me shall
Hoote water sprynge, upp gothe it wonder sone.
96 Eke mervaille thinge affermeth Marcial:
Therof that purpure nowe the floure is alle.
Nowe it is white, now rosy. This is straunge.
It ofte ysowe eke maketh wounder chaunge.

## 14.

100 To pelletur, and to horsmyntes ${ }^{2}$ eek
Hit chaungeth ofte. Cucumber nowe is sowe,
Melones, pelletur, cappare, and leek.
Colcases planntes now beth sette to growe,
104 Nowe coriander, letuce, betes throwe
In molde; onyons, myntes, gourdes, goldes, ${ }^{3}$
Nowe secondly to sowe or kest in molde is.

$$
{ }^{1} \text { atriplex. } \quad{ }^{2} \text { sisimbrium. } \quad{ }^{3} \text { intibe. }
$$

Avage requires much water, and to be covered up as soon as sown.

Orage need not be transplanted, but it will grow better if planted thin.

Marcial tells wonders of Basilicon changing its colour.

Time for cucumbers, melons, pellitory, capers, leeks, etc.

## De zizipho \& ejus pomis. <br> 15.

Ziziphus may be set in stock, or plant, or stone. Three stones in the breadth of your band.

Place ashes and dung over and under. When the size of your thumb, plant them out. The land not be too fat. Heap stones round the stock in winter, and remove in summer.

Nowe ziziphus in infervent lande;
108 Atte May or Juyn in londe that beth colde. Ther gladde and warme is loveth he to stande. To sette or stook or plannte or boon is holde Right goode ; softe erthe in Marche the planntes wolde
112 Stonde ynne: thre bones in thyne hondes brede
Inverse into the delf is doune to lede.

## 16.

Doo aske and dounge on hem above and under, And breek away the weedes with thyne hande. 116 And thombe greet in pastyn hem asonder Or (in) to delf: thai axe not to fatte lande, So that by fatte and not by lene it stande. In Wynter to his codde ${ }^{1}$ an heep of stonys
120 Is goode, that in the Somer utter doone is.

## 17.

Rub the tree with a currycomb. Old wine sprinkled on them when newly pulled will not suffer their fruit to wrinkle.

Yf this tree loure, ${ }^{2}$ an horscombe wol him chere.
Or lite and ofte embaume his roote oxe donge.
In places drie her fruites ripe alle yere
124 Is kept in cleyed erthen pottes longe.
Nowe ruge ${ }^{3}$ on hem puldde newe olde wyne yspronge
Wol suffre be: eke honged with thaire bough,
Or in thaire leves fold, is goode ynough.

## 18.

For reasons
taught before, pomegranates and peaches are to be grafted now; also the citron.

128 This moone also, by rather lerned reason, To sette and graffe in places temperate Pomgarnat is, and peches have thaire season. Atte May Kalendes hem to enoculate ${ }^{4}$
132 Right as we saide of figges emplastrate. Eke Citurtree this moone in places colde Is forto, graffe, as is beforne ytolde.
${ }^{1}$ codici. $\quad{ }^{2}$ tristis sit. $\quad{ }^{3}$ rugam. ${ }^{4}$ inoculare.

## 19.

In colde lande nowe the figtree plant is sette, ${ }^{1}$ 136 And graffed in the stock or in the rynde,

Plant and graft the fig, and the palm, called also cephalon, and the service-tree.

And hem to enoculer eke have in mynde.
Nowe Cefalon the palmes plannte is kynde 140 In glaade to sette and hoote; now graffyng serve ${ }^{3}$ In quynce, in white thorne, in himself wol serve. ${ }^{4}$

> De oleo violacio \& vino. 20.

Oilviolet to make attende : of oil As many pounde, asmany unces take
144 Of violette, not but oouly the foil. And xu daies standyng theroute ${ }^{5}$ it make. To x sester olde wyne $v$ pounde in slake Of violet undewy, and $x$ pounde 148 Hony the $x_{x x^{t h e}}$ day is forto enfounde.

De vitulis nutriendis, tonsuris et signaturis. 21.

Now calves to be calued is the gyse.
But yeve hem meete ynough that were with childe, That thai to mylk and laboure may suffice.

Oil-violet to be made of the leaves.

Feed ealves with millet mixed with milk. Shear sheep, and mark late lambs.

152 And yeve thaire children tosted grounden mylde ${ }^{6}$ Commyst with mylk. Now shepe shere in ayer mylde; ${ }^{7}$ Late lamber marke hem nowe, nowe frist tuppyng Be made, lambron to ripe er Winter sprynge.

De apibus investigandis et alvearibus purgandis. 22.

156 This moone in places apte is been to seche: Place apte is there sweto herbes multiplie, And bees the welles haunte and water cleche :
Utilitee is ther to mellifie.
160 But where the swarmes dwell is crafte to aspie. And first yf thai be dwellyng ferre or nygh, See here the crafte ; and truly it is slygh.
${ }^{1}$ plantatur. ${ }^{5}$ sub divo. ${ }^{2}$ posito. ${ }_{6}$ milio. ${ }^{3}$ sorbi. ${ }_{7}$ calido. ${ }^{4}$ servire.
23.

Mark the bees' backs with ruddle, and see how long they are returning.

Put honey or wine into a hole cut in a joint of a reed, and when many are gone in close it.

Let out first one, and then another, and follow them.

Take rubrik ${ }^{1}$ poured in sum litel shelle, 164 And therwithall the bak of every bee A pensel touche as thai drynk atte the welle, And note hem after widerwarde thai flee.
Then by thaire ayein turnyng a man may se
168 Howe ferre or nygh thai be : and to the nygh
To come is light ; but to the ferre be sligh.
24.

Kitte out ayointe of reede, and in the side ${ }^{2}$
Therof let make an hoole, and therin doo
172 Hony or sweete wyne ${ }^{3}$ sumdel beside ${ }^{4}$
The welle or water that the been goth too.
Lette hem goon in as fele as wol in goo;
And after hem the hoole yclosed be,
176 And first let oon of hem oute of it flee,
25.

And folowe fast, for thiderwarde thai dwelle.
Streght wol she flee; and when thou may not see
No lenger hir, an other forth to telle
180 Let goo ; for thiderwarde eke wol she flee.
But sew uppon. Do thus froo be to be. Thus wol thai lede oon to thaire dwellyng place. But in the mornyng gynne hem thus to trace;

$$
26 .
$$

184 That alle the day unto thi sewe suffice;
For, towarde nyght in restyng thai assure.
Or thus: a thing with hony thou devyse
To sette as by the welle of thaire pasture.
188 When oon hath tasted it, anoon his cure
Dothe he to bryng his bretheren to that feest;
And that thay haunte anoon, the moost and leest.
${ }^{1}$ rudul. ${ }^{2}$ latus. ${ }^{3}$ defrutum. ${ }^{4}$ juxta.
27.

Now see the cours howe thai goo to and froo, 192 And fire hem home yf thai be in a cave, Besmooke hem, oute of it anoon thai goo. Thenne make a sowne on brasse, and thou shalt have Hem lightyng on sum boshe or tree; nowe shave
196 Hem into an hyve. Yf thai be in a tree
Thaire hous over and under sawed be.
28.

Uppe wrappe hem clene, and sette hem with thyne hyves; Rub the hives To frote her houses wel with citriage
200 And herbes sweete is plesaunt to thaire lyves.
Yf this be doon while veer is yonge of age
The welles nygh, of unfeyned courage
Of been therto wol come a multitude.
204 Now ware that theves naught thi crafte delude.
29.

Now purge her hyves; flee the butterflie
That in the malves flouring wol abounde;
A brason vessel streit with brynkes hie
208 A light atte nyght make standyng in the grounde;
The butterflies wol this light enrounde,
And brenne hemself. Thus may me hem destroye
Uchone anoon that thinges fele ennoye.
30.

212 Abrel with September in houres oon is
Ooon twyes ${ }^{1}$ xIr, and tweyne hath twyes ${ }^{2}$ vII.
Thre twyes $v$; and foure hath seven ons.
And fyve hath $v$; and sixe hath three foote even.
216 Nowe vir, vili and Ix, and X, XI
With $V$ and IIII, and III and II, and I
Beth houre for houre, and foote for foote to goon.

[^64]The hours of the day in April.
Clean the hives, and place a light at evening in a high narrow vessel, to destroy butterflies.

Deo Gracias.
Finis quinti libri, et prafacio in sextum librum.

Translator's epilogue.

And here an ende, er thenne I wende, I fynde
220 Eke doon is in this moone are taught aforne. O Salvatour! O Jesse floure so kynde, Oí oon for everichon that list be borne, And for us hinge, a crowne usyng of thorne!
224 Honoure be to the, Floure(s) of floures ay ! Thi werke awey from derk upborn So make, as here I take ayaine atte May.

## MAY.

## BOOK THE SIXTH.

De panico \& milio, \& feno recidendo. 1.

Atte May in places that beth colde and wete, Panyk and mylde in thaire maner is sowe.
Now every grayne almest hath floures swete,
4 Untouched now the Tilman lete hem growe.
Sow panic and millet. Single seeds flower in eight days; and after flowering grow ripe in forty days.

Barly and whete \& sengul seedes are VIII daies floure, and xu dayes grete ${ }^{1}$
Withouten floure, ripeness until the gete.

## 2.

8 All double seede, as benes, peses be, And other pulse, a xu dayes floure, And greteth with in places nygh the see. In places drie \& colde nowe tyme \& houre
12 Is hay to mowe, and yf the rayne beshoure, Winde it not til hit be parfit drie. Nowe to the vyne is efte to have an eye.

## De novelle sarmentis relinquendis.

3. 

Consider now sarmentes tender, yonge,
16 And leve a few of hem that saddest be, And holde her armes up til thai be stronge. A yonge vyne hath ynowe oon, ir, or inf, Armes, and sweethed hem togeder see,
20 Lest wyndes rude hem breek and overthrowe And no maner be lefte on hem to growe.

[^65]Double seeds flower in forty days, and at the same time grow large.
In rainy weather move the hay till perfectly dry.

Leave a few of the firmest vine shoots. See that two or three are swathed together.
4.

Pull off the vineleaves whilst they may be tweaked from the tree without difficulty.

Plough and break up fallows in places dry and wet, plain and rough.
A common ditch is easier to make than a blind ditch.

Make a furrow and fill it to the middle with pebbles. Make the earth over it level without any slope. Take heed that the heads of the trenches fall headlong into a great ditch.

If there be scarcity of stones dig in cuttings, or straw, or lap. If many stones, they will do for fencing.

This moone is eke for pampinacion
Convenient; voide leves puld to be.
24 But sette upon this occupacion
While that me may with no difficultee
With fyngers lightly twyk hem from the tree.
This crafte wol fede up grapes fatte and greet,
28 And Phebus wol goo Ripe hem with his heet.
De proscindendis \& aperiendis novis agris.

## 5.

Nowe feeldes fatte in herbes overgrowe
Ys goode to plowe, and leyes up to breke.
Se whether drie or wete, or playne or rowe
32 It be, or full of boshe, or stones steke.
Lette diche it deep that humoure oute may leke.
Yf it be weet, a comyn diche in kynde
To make is lighter thenne the diches blynde.
6.

36 A forgh (rii? ? footes deep thi landes thorgh With gravel, or with litel pibble stonys, Unto the mydwarde fild ayeme this forgh; And even the erthe above ascaunce her noon is. 40 And thus doo efte as ofte as goode to doon is. But hede it that the hedes of hem alle Into sum greet diche pitchelonges falle.

## 7.

The humour shall passe, and thus thi lande be saved.
44 And stones yf the lacketh, this is boote; Sarment, or stree, or lappe in it be graved. Yf thaire be treen, up storke hem by the roote, Here oon, there oon to leve a fer remote
48 I holde is goode. Yf it be full of stonys, For closure of the feld better stuff noon is.

## 8.

Have up this stones scorne unto the Wallis, Thay may thi feelde uncomber and defende.
52 Yf rishes, gresse, or fern in with this walle is With ereyng ofte her lyves wol be spende.
Lypyne or benes sowen ofte anende
On hem wol make, yf ever as thai sprynge
56 Her hedes with a sicle of thou flynge.
De ablaqueandis arboribus, occandis, etc.
9.

Nowe wyne and tree that were ablaqueat To cover hem it is convenient.
Nowe as the treen beth gladde in thaire astate
60 For gutteryng to howe it and to hent,
A comune busshell greet circumferent, Or litel lesse, oon of thi worchers falle, That konnyngest is of his felawes alle.
10.

64 The semynair is dolven in this moone,
Alle besily: in places over colde
And pluvyous, olyves is to doone, To kytte, and mosse awaye be rased wolde.
68 The feeld eke nowe ther as me sowe sholde, Lypyne for donngyng lande to plowe it need is. Nowe turne ayein to gardeyne sowyng seedys.

De spatiis ortorum pastinandis et seminibus serendis. 11.

The spaces that in hervest sowe or sede
72 Me wol, may best have nowe thaire pastynyng. Nowe ache is sowe, and howe beforne take heede, Melonns and coriander sowen sprynge. Of gourdes, tasil, radishe nowe sowynge
76 Is goode. Nowe rue is sette, and nowe transplannte A leek so drynke up bolde him forto avannte.

Frequent ploughing will kill rushes, grass, and fern. Lupines, or beans, will make an end of them, if you cut off their heads with a sickle.

Cover up vines, etc., that had been bared. Let the cleverest workman cut down trees for guttering.

Dig seed-beds, cut olive-trees, and clear away moss.
12.

Marcial tells a marvel of pomegranates.

In places hoote nowe pomgarnates floure, That Marcial a mervaille dooth of telle;
80 In til a potte of erthe enduce a floure ${ }^{1}$ Uppon his bough downe bounden ther to dwelle. To fillyng of this potte the fruyte wol swelle By hervest tyme ; and then his magnitude 84 By breking of this potte me may disclude.
13.

Graft peaches, till citrons, set zuzubes, figs, and palms.

In landes hoote the pechys in this moone
Emplastred are, and nowe in landes colde, The citur ${ }^{2}$ tree to tille is goode to doone
88 In divers wyse, as is to fore ytolde. Now ziziphus and figtree forto holde
Men sette or graff in cold or chillyng lande.
The palme eke nowe men setteth forth to stande.

## 14.

To castrate little bulls with a cleft cane,

92 Now Mago saith is goode castracion Of litel boles, whil thaire age is tender. Ferul to cleve an occupacion Be first, and presse in it thaire stones slender.
96 So wol thai dwyne awaye that sholde engender. In veer, and hervest, eke sprynging the moone Is best, as saithe this Mago, this to doone.
15.

Other with tynnen tonges take her strynges,

Or with tin
tongs. Tie up the wounds with vine-ashes and litharge. First bounden lest thay nolde not graunt hem leve, ${ }^{3}$ And faire of with a knyf thai cutte her thinges, But sumdel on the strynges hede thai leve, ${ }^{4}$ Tais ${ }^{5}$ stauncheth bloode, and alle wol not bereve
104 Her stordy myght: her woundes let entyne With aske of vyne, and with spume argentine.

[^66]16.

With abstynence of drynk and litel mete After this feste as fede hem daies three, 108 Grene herbes croppes, swettest let hem ete,

Let them eat young boughs softened with dew or water ; and thy beast is safe for ever.

A better mode of later date.

Smite off quickly with the hotiron to stanch the blood.

So smyte hem of quykly that it be doo,
So wol the woo be shortte, of litel yre, ${ }^{3}$
124 Eke skynne and stringes seryng so to enfire
Upstauncheth bloode, and closeth so the wounde
That save a cicatrice is nought yfounde.

## De tonsuris ovium.

19. 

Nowe sheepe bethe shorne in places temporate.
128 For sheep ishorne make uncture of lupyne, The juce of it decoct first ther ate With dregges both of oiles and aged wynys, Of iche yliche : a thing for sheep this fyne is.

Anoint shorn sheep with juice of lupine, mixed with equal quantities of oil dregs and old wine. Wash them in the sea,

132 Herewith ennointe hem alle; and after three
Dayes let over wesshe hem in the see.

[^67]$$
20 .
$$

Or with salt and water long before evening. It will make them free from scurf and scald, and woolly and long-lived.

Make cheese with curd of kid, lamb, or calf, or with wild teazle, or the skin which adheres to chicken's crop.

144 Or that pellet ${ }^{3}$ that closeth, every ${ }^{4}$ half, The chicke or pyjon crawe, hool either half. With figtree mylk, fresshe mylk also wol turne. Thenne wrynge it, presse it under poundes scorne.
22.

When firm lay
them on crates,
148
And sumdel sadde up doo it in a colde but apart.

Shut them up in a close place out of the wind. A not be dry, nor full of holes caused by too much sun, or salt, or too little pressure.

And yf the see be ferre, licoure of heven With litel salt decocte this beest ennointe. 136 Oute wesshe of it, but doo this longe er even: And over yere thai wol been in goode pointe Withouten scorf or scalle in cors or jointe, Also thai shall have softe encrisped wolle 140 And wonderly prolonged atte the fulle.

## De casio faciendo.

21. 

Alle fresshe the mylk is crodded now to chese ${ }^{1}$
With crudde of kidde, or lambe, other of calf, Or floure of tasil wilde. Oon of hem chese, ${ }^{2}$

Place, outher derk, and after under presse
Constreyne it efte, and salt about it folde,
So sadder yet saddest it compresse.
152 Whenne it is wel confourmed to sadnesse On fleykes legge hem ichoone so from other, That nere a suster touche nere a brother.
23.

But ther the place is cloos is hem to enclude,
156 And holde oute wynde although he rowne or crie, So wol thaire fattenesse and teneritude With hem be stille; and yf a chees is drie, Hit is a vyce, and so is many an eye
160 Yf it see with, that cometh yf sonnyng brendde, Or moche of salt, or lite of presse, it shende.

[^68]24.

An other in fresshe mylk to make of chese Pynuttes grene ystamped wol he doo; 164 An other wol have tyme a man to brese And clensed often juce of it doo to To tourne it with; to savor so or soo; It may be made with puttyng to pigment, 168 Or piper, or sum other condyment.

## De examinibus apium augmentatis.

25. 

Of been the swarmes nowe begynne encrese, Nowe in the hony combe is bredde the bee. The greet birdde and kynges doutelees
172 Men sayen thai been, but Greekes sayne thai be Clept œstros, and goode is hem to slee, For thai the swarme unresteth, so thai crie. Nowe as is taught yit slee the butterflie.

## De pavimentis in solariis faciendis.

26. 

176 Atte Mayés ende a solar is to pave, And rather not, lest frostes it enfecte. A double cours of boording first it have, Oon transversal, another cours directe.
180 With chaf or ferne this bordes do be tecte, And therupon doo stones handfull grete, And wel foote-tempred morter theron trete.

## 27.

Thenne with a barre inbete it, batte it ofte,
184 And playne it rough, but are it fully drie, Brik bipedal chaneled bryng on lofte, This floore that be suffisyng forto wrie. The chanels fynger grete thou most espie.
188 On evry half this bryk twoo feet of brede, That lyme and oil the joint togeder lede.

Others press pine-nuts, or add the juice of bruised thyme. Flavour with a condiment of pepper or any pigment.

The swarms of bees increase. The Greeks call the king-bee o九̆ $\sigma \tau \rho 0$.

At the end of May, not earlier, have summer. houses.

[^69]This cement, brick, stones and clay, dry into one substance. Pour on it a testaceous cement, and it is no harm to flap (or slap?) it with rods.
28.

This scyment, bryk, stoon, cley togeder drie, And knytte into oon til noon humoure be therin,
192 Nowe yote on that scyment clept testacye Sex fynger thicke, and yerdes is noo synne To all to flappe it with; now brode and thynne Tilette ${ }^{1}$ or tabulette ${ }^{2}$ of marble stoon,
196 Empresse, and never shal this werk agoon.

## De lateribus faciendis.

29. 

Brick made in the heat dries too soon, and is likely to crack. When formed let the sun sweat out the moisture.

Put five pounds of rose into six sextarii of wine.

Huile de rose is made of a pound of oil to an ounce of roses. Rodomel is a pound of honey to a sextarius of rosewater.

204 In sestres sex of olde wyne purged rose
Three daies first v pounde is to doo,
The xxxth day x pounde hony dispose
In it wel scommed first, and use it soo.
208 Take x pounde oil, x lilies therto
Be doo, and xu dayes sette it ther oute ${ }^{3}$
In glasse, ${ }^{4}$ and made it is noo longer doute.
De oleo roseo $\mathbf{x v} c a^{m}$, de rodomelle xvi $c a^{m}$. 31.

Now brik is maade of white erthe, or rubrike, Or cley, for that is made in somer heete To sone is drie, an forto chyne is like.
200 Thus make hem : sifted erthe and chaf to trete And tempre longe, and fourmed sonne oute swete The humour, tourne hem ; two feet [longe] every brik Be , and oon foote brode imi ynches thicke.

## De Rosato xini $c a^{m .}$ de oleo liliacio xıin $c a^{m}$. 30.

In every pounde of oil an unce of rose
212 Ypurged putte, and hange it dayes seven
In sonne and moone, and after oilderose
We may baptize and name it, cordyng even.
And xu dayes to beholde on heven
216 In juce of rose a sester that weel smelle
A pounde hony and name it rodomelle.
${ }^{1}$ tessellas. $\quad{ }^{2}$ tabellas. $\quad{ }^{3}$ sub divo. $\quad 4$ in vitro.

## De rosis viridibus servandis,

 32.That roses that begynneth forto unclose And cleve a reede that stont \& groweth grene, 220 Doo thayme therin and let it on hem close

Thus til the list: hem wol this reede sustene.
Other condite hem kepe in pottes clene
With pik munyte and couchyng theroute alway.
224 August in houres cordyng is with May.

## De horis Maii and Augusti.

33. 

Half prime hath xxmir feet, and pryme Hath ximi, and half undron hath but ix, High undron vi, and rim hath mydday tyme, 228 And noon hath III. Nowe Phebus wol declyne Tort occident, and lenger lemes ${ }^{1}$ shyne. Thyne afternoone to thi fornoone confourme In feet from houre til hour, as is the fourme.

Finis viti. libri, et prefacio ad septimum. 34.

232 So May is ronne away in litel space.
The tonge is shortte, and longe is his sentence.
Forth ${ }^{2}$ ride I see my gide, and him I trace
As he as swyfte to be yit I dispence.
2360 sone of God alloone, 0 sapience,
0 hope, of synnes drop or gile immuyn,
Lovyng I to The syng as my science
Can doo; and forth I goo to werk atte Juyn.

[^70]
## JUYN.

## BOOK THE SEVENTH.

## De area ad trituram paranda.

1. 

Make a smooth threshing-floor, and harden against ants and mice.

Then let it dry in the sun. Another way is to clean the floor and wet it well, and turn in small animals to tread it down.

Barley is to be harvested before the ear break. A good reaper can get five strikes a day. The corn swells if left to lie loose.

At Juyn a floore for thresshing thus thai make: Thai pare it first, and lightly after gete Hit dolven smal, and chaf therto thay take, 4 Oildregges fresshe thai tempre with, and trete

It even playne abroode. This helpeth whete From Auntes and fro myse. Nowe pibble stonys Thay bete in, and other that cordyng stoone is.

## 2.

8 And after suffer thay the sonne it drie. And this is oone. Another way is fonde, As first the floor to clensse, and after strie Hit all with weete, and so wel weet the londe,
12 Doo beestes smale in hit to stere and stonde, And make hem route aboute, and trede, and strayne It wel, and so to drie it they complayne.

## De messibus.

3. 

Now gynneth barly ripe, and is to anende, ${ }^{1}$
16 Er the eere ${ }^{2}$ to breke and shede it; for as whete It is not cladde nor cloked syde \& ende.
Oon daywerk of a goode repman may gete V strik, a febbler for mir may swete.
20 And that the corn may grete upon the grounde Thay sayen is goode to let it lye unbounde.

[^71]4.

This moones ende in places nygh the see And hot \& drie is gonnen repyng whete. 24 But first, yf it be ripe, is forto see

Yf alle the lande atte ones rody grete
Enclyne \& thonke unlaced so for hete.
The playner parte of fraunce a crafte hath fonde 28 To repe in litel space a worlde of londe.

## 5.

Oon oxes werk alle hervest up shall take With litel mannes help, and in this wyse: A squared carre on wheles two thay make, 32 And borde it bredyng up of certayne sise, That tort the brynk it brede alway \& rise. His chaule aforne that shal ete up the whete Ys not right high, but so of even mete.

## 6.

36 That towe ${ }^{1}$ is toothed thicke as the mesure Of erees ${ }^{2}$ wol not passe hem, upwarde bende. And bakward beth twey thilles made full sure, As forwarde hath a drey, and in that ende
40 An meke oxe that wol drawe \& stonde \& wende Wel yoked be, and forwarde make it fare. And every corne ${ }^{3}$ wol start into this chare. ${ }^{4}$

## 7.

This teeth wol bite hem so that beth bifornys
44 And fere hem in, the drover ${ }^{5}$ aye in kynde Doo list \& lethe as lowe \& high the corne is, That shall trippe in, the chaf fletyng behynde. Thus shall an oxe in dayes few upwynde 48 An hervest alle; this carre is thus to carie In feeld lande playne, ther chaf nys necessarie.

At the end of the month wheatharvest begins. See if it be ripe by seeing if the whole field grows red at the same time.

In the plain country of France they make a square cart on two wheels, boarded so as to be broader towards the top. Its jaw (frontboard) is not to be high.

That apparatus is to be toothed so close that the ears will not pass, bending upwards. It has two shafts behind as a dray has before. Yoke to it a quiet ox, and every corn will fall into it.

These teeth force in the ears in front. Thedrover will regulate the height. This cart is for plain lands, where chaff' is not wanted.

1 tabula anterior. $\quad 2$ spicarum. $\quad 3$ man. $\quad 4$ vehiculum. $\quad 5$ bubulco.

De agris proscindendis, vineis occandis, \&c.

$$
8 .
$$

Things omitted in May to be done now, viz., plough cold grass land, cover the roots of vines, gather rough vetches, and cut fingreek for fodder. Where land is cold, now hold harvest of pulse.

Mix pottagelentils in ashes in oil-barrels, or salt-tubs: they are safe laid by strongly plastered. Beans plucked early kept in a cool place will be free from grubs.

Collect lupine, and if you will, you may sow it at once in a dry place.

Sow cabbage at the solstice, and plant it out in the beginning of August. Beet, radish, lettuce, and coriander are now to be sown.

In coldest lande thing lefte undoon in May ${ }^{1}$ May now be doon, as feeldes me may plowe.
52 In grassy ${ }^{2}$ cold lande vynes rootes may ${ }^{3}$ Eke nowe be wrie, eke now the fittches ${ }^{4}$ rowe ${ }^{5}$ Collect may be, and fayngreek downe to rowe ${ }^{6}$ For fodder ${ }^{7}$ now is tyme; and every puls, ${ }^{8}$ 56 There lande is cold, is hervest nowe to huls.
9.

Nowe potageware in askes mynge \& kepe In oilbarelles or salt tubbes doone, Sadde cleyed well thai save beth leide to slepe.
60 Nowe benes, in decresyng of the moone, Er day and er she ryse, upplucked soone, Made clene, and sette up wel refrigerate, From grobbes ${ }^{9}$ save wol kepe up thaire estate.
10.

64 Lupine also collecte is in this moone, And yf me wolle, anoon it may be sowe, Right from the floor as fast as it is doone. But ferre away from humour it bestowe,
68 In that garnar that stont not over lowe, To keep hem longe, and rathest yf the smeke ${ }^{10}$ Perpetual uppon thaire dwellyng reke.

## De diversis herbis serendis.

11. 

Brasik is sowe atte stondying of the Sonne, 72 And atte the hede of Aust it is to plaunte In landes weet, or elles rayne beronne. And ache also is sowen come denaunt, Bete and radisshe excerciseth thair haunt;
76 Letuce and coriander, yf me wete
Her lande, up groweth nowe this herbes sete ${ }^{11}$ (=sweete).
${ }^{1}$ Maio. $\quad 2$ herbosa. ${ }^{3}$ possint. ${ }^{4}$ vicia. ${ }^{5}$ rugosa. ${ }^{6}$ resecare. ${ }^{7}$ pabulo. $\quad{ }^{8}$ legumina. $\quad{ }^{9}$ gurgulionibus. $\quad 10$ fumus. ${ }^{11}$ salubres.

De pomis et flore punici, $\&$ c.
12.

Yit may the pomgarnates floure enclude
An erthen potte, as twye is taught beforne,
80 To make a pome of mighty magnitude.
Nowe peres and meles ${ }^{1}$ over thicke ar torne
Away the vicious, lest juce ylorne
A pomegranate inclosed in an earthen pot will bear large fruit. Pears and apples being overthick, the defective are taken away, lest the sap should be lost upon them.
On hem sholde be that gentil fruyt myght spende.
84 Nowe jiziphus in colde lande wol ascende.

## 13.

The figtree, as forsaith his discyplyne, This moone in season is to caprifie.
Nowe have I wist men graffe hem viII or $\mathrm{I} \mathrm{x}^{\mathrm{ne}}$.
88 Now peche in places colde is putte in theye. ${ }^{2}$
The plannte of palm men umbydelvyng hie.
In Juyl and nowe solempne insicion
Hath treen, that men calle emplastracioun.
14.

92 Emplasturyng accordeth with the tree That hath a juce of fattenesse in the rynde, As figge, olyve, and other suche be.
Eke Marcial saith peche is of that kynde.
96 Thus it is doon, as we in bookes fynde : Of fairest treen loke uppe the brannches clere
That fertilest and fresshest yonge appere.

$$
15 .
$$

Under the fresshest gemme alle subtily,
100 That gemme unhurt, with yron reyse a rynde.
The tree that shall emplastred be therby Take of the gemme, and bark, and therto bynde This gemme unhurt, and so in bondes wynde
104 Hit softe his gemme above alle that excede, Oon gemme as for another so succede.

[^72]Now caprify the fig-tree. I have known several graftit. Peaches are now inoculated, and men dig round the palm. Trees are now to have emplastration.

It accords best with a tree that has a thick juice in the rind. Look up the branches of the young trees that appear most fertile and fresh.

Under the freshest bud raise the rind with a knife, without burting the bud. Take off the bud and bark of the tree to be emplas. tered, and bind on to it this unhurt bud, that one may take the place of the other.
16.

Place dung on and around, and lop off the upper branches, and leave it twenty days.

Doo donnge upon and umbe on evry syde And bynde it to; the bowes of that tree 108 That higher beth, let hewe of or deryde Away, and dayes $x x^{\text {ti }}$ let it be. Unbynde it thenne, and there expertly se How oon tree is in til an other ronne. 112 Thus better fruyte of bitter fruyte is wonne.

De vitulis castrandis: de casio; \& omni tonsura. 17.

Care necessary in treating calves. Now is time to make cheese and shear sheep.

Eke in this moone is made castracioun Of calves, as is taught a lite aforn. Therynne is subtil operacioun
116 In memory wel worthi to be born, And crafte to make cheses be not lorn, But used nowe; and nowe in places colde Solempnitee of sheryng sheepes is holde.

> De Apibus, cera, melle, \&c. 18.

An indication that the hives are full is a low murmuring of the bees. If the hives are empty, there is more noise.

120 And in this moone is eke castracion Of hyves ronke of hony fild, the some ${ }^{1}$ Wherof is this significacion : All subtilly \& smale if that thai summe, ${ }^{2}$ 124 All hugely \& harke yf that thai humme, As houses holgh thaire voices multiplice,-(sic!) A signe is that her combes beth full done.

*     *         *             *                 *                     * 

[Here several pages are lost.]

[^73]19.

Thus siste it that the graynes stille abide
128 Inwithe the syve, and floures downe to shake;
This floures smale into hony swetest slide And therof $\mathrm{xxx}^{\text {ti }}$ dayes let hem take Ynough, and thenne uptemperyng forsake
132 No man for hem to make into thaire kynde; As of rosate is taught, yf ye have mynde. ${ }^{1}$

De Alsica.
20.

Alsike is made with barly, half mature
A party grene and uppon repes bounde
136 And in an oren ${ }^{2}$ ybake and made to endure That lightly on a querne ${ }^{3}$ it may be grounde. Nowe til a strike a litel salt infounde As it is grounde, and kepe it therin boote is.
140 This Juyn and Juyl accorde in houres footes.

## De horis.

21. 

Half pryme on $\mathrm{xx}^{\text {ti }}$ feet; hole pryme
On XII; half undern viII; hool undern $v$;
Mydday on IIII; and noom on II feet by me
144 Stont fast ynough. Now Phebus chaise upthrive
No lenger may til the occident asblyve
Enclyneth it and erst from the Est it wried.
Forthy beth feet with houres multiplied.

## Deo gracias. 22.

148 Nowe Juyn is doo. Salus, blisse, umne, honoure, Joy, jubile, power, and diademe, Jesu, be to the, Jesse, the roote's floure, In mageste that is ${ }^{4}$ to sit and deme,
$152 \mathrm{He}^{5}$ to us se that in that houre extreme That ${ }^{6}$ prison, helle, all cloose from us be loken, And with Him we dwellyng. Yet must I yeme This book, and telle at Juyl of lande up broken.

Let the grains remain in the sieve, the flowers pass through, and lie in honey thirty days, and then let no man fail to make them in their kind.

Alica is made of unripe barley, bound in sheaves and roasted in an oven until hard enough to grind in a mill.

Half-prime is the first hour of the Roman day, whole prime the 2nd. Half undern the srd, whole undern the 4th.

Translator's epilogue.
${ }^{1}$ This stanza treats of the making of cenanthe from the flowers and grapes of the wild vine. $\quad{ }^{2}$ furno. ${ }^{3}$ mola. ${ }^{4}$ art. ${ }^{5}$ So. ${ }^{6}$ Thi.

## JUYLL.

## BOOK THE EIGHTH.

De iterandis agris, de messibus triticea, \&c. 1.

Plough again early. Time to finish wheat-harvest, and clear fields of bushes, and grub up stocks.

Now the corn is away, cut down the trees that were amongst it. Before the dogdays, take up fern and sedge.

Sow onions, radish, orage, and basilicon. Water lettuce, beet, and mallows. Sow turnips in wet, loose land: they delight also in fields.

Atte Juyl the lande up broken in Aprile Is efte to plowe, and sone is best his season. Whete hervest nowe in tempre lande is while 4 Forto conclude; and by the forsaide reason Nowe make the feldes wide of busshes geson. Nowe stocke upp grobbe and tree in wanyng moone, Thaire rootes eke to brenne is now to done.

## 2.

8 Nowe treen that have amongst the cornes growe, The corne awaye, adowne it is to caste. ${ }^{1}$ Oon daies werk may $x^{{ }^{t i}}$ overthrowe: Nowe vynes yonge ydolven first and laste
12 . Wolde be; but not in hete, and pouder ${ }^{2}$ caste.
Er the caniculere the hounde ascende Have uppe the fern and segges to be brenned.

De orti seminibus serendis.
3.

Smale onyons nowe beth sowe in places colde
16 And wete, eke radisshe \& orage, yf ye
May watter it, basilicon wol holde, Letuce \& malves, betes, lekes be
To watter nowe; the neep in weet lande we
20 Nowe sowe and rape, in roten lande rare
In weet lande and in feldes gladde thai are.
4.

But nepes loveth heldes ${ }^{1}$ sondy drie
And thynne, eke of the landes propurtee
24 Er either seede of other multiplie
A wonder thing a man may often see: Two yere if neep in some lande sowen be It wol be rape, and rape in sum land sowe
28 Wol ther ayenne uppe into neepes growe.

## 5.

Depe donnged lande yturned wel thai love:
That pleseth hem \& cornes that ther growe.
An acre lande Imr sester rape above
32 And $v$ of neep is suffisant to sowe.
For over thicke it is not hem to strowe.
And yf thai be to thicke away thou trete
A part, and so that other wol be grete.

## 6.

36 And forto have the rapes seedes greet
Let pulle first the rape oute of the grounde.
The foiles are of it awaie to geet,
A mydde his caule at half a fynger rounde
40 Let smyte him of, and plante hem forto abounde
VIII fynger fro: thus wol thai growe in longe
And, as I wene, her seedes sholde be stronge.

## De implastracione.

7. 

Solempnyte hath emplastracion,
44 Wherof beforne is taught the diligence.
Nowe have I made inoculacion
Of pere and appultree: the experience
Hath preved wel. Of wynter fruite science
48 Yet leseth ${ }^{2}$ oute the smale unto the greet
So that the tree may sende her drinke \& meet.

Turnips love
sandy slopes. In
some lands rape changes into
turnip, and vice versà.

Upon an acre of land sow four sextarii of rape, five of turnip. If they are too thick, remove part, and the others will be the larger.

To have great rape seeds, remove the leaves at the thickness of half a finger, and plant at eight fingers' distance.

Emplastering is now solemnized, and inoculation of pears and apples. Science now selects the small winter fruit and takes them away, that the tree may nourish the larger.

[^74]I have planted citrons now to great advaritage. Now inoculate the fig. Graft citrons and dig about palms in the middle of the month. Gather almonds early.

Time for cows to breed, that their ten months may end in spring. If they are too fat, they do not breed so well.

## 8.

Now plannted I scions ${ }^{1}$ of citurtree In colde and weete, and wattre it so longe 52 That forth thai come in greet felicitee. The figtree nowe to encye ${ }^{2}$ it is noo wronge. In weet lande citur graffed wol be spronge, And palmes delve aboute amydde this moone.
56 Almondes ripeth nowe : go gete hem sone.

## De armentis \& gregibus admittendis.

## 9.

Nowe shal the bulle his Wyfes to him take, And fille her wombe, in monethes $x$ to anende Thaire tyme of birth at veer; for now thai wake 60 All fresshe, for veer thair Venus bronde hath tende.

XV of hem oon male is forto ascende, As telleth Columelle, and wol contente. Yit yf thai be to fatte her werth is shente.

## 10.

Where fodder is abundant the cow may breed oftener. Moderate food is beneficial. If they are put to the plough they may breed alternate years.

The tups should have white tongues. If they are spotty the lambs will be so too. From white sometimes other colours spring, but not from black.

64 In places ther is fodder abondannce, The ky may otherwhiles be withdrawe. Mete in mesure her calvyng wol advannce. Eke in the plough perchaunce yf thai shal drawe 68 Itche other yere thai may go to by lawe. And so shal thai for either werk endure, That is to saye, in laboure \& feture.

## 11.

Nowe putte amonge the shepe thaire tuppes white 72 Not oonly woolled, but also thair tonge; Yf it be spotty that a man may wite If he begets him spotty lambes yonge. Yit sumtyme of the white are other spronge.
76 But Columelle, he saithe, of tuppes blake White sheep Nature is never wonte to make.

[^75]12.

The tuppe is chosen faire of altitude, Ywombed side, and tecte in whittest woolle, ${ }^{1}$
80 A besom tail holdyng his longitude, Yfronnted large, and stoned atte the fulle. From youthe until virl yeres olde thei wole ${ }^{2}$ Wel do this crafte, and she from yeres tweyne 84 V yere is goode, and then is she bareyne.
13.

Yboned large, eke long \& softest flesys. And thai that wide wooly wombed be; Such ewes to the tuppes oute to chese is. 88 Of pasturing thai must have ubertee Fro breres ferre; for thaire iniquitee This seely innocentes wol unclothe, And wellesay to tere her skynnes bothe.

## 14.

92 Nowe let hem doo, by wynter to be stronge. Males to make, as saithe the Philosopher, Septemtrion pastures let hem fonge, And towarde that wynde if the tuppes ofre ${ }^{3}$
96 With litel males filleth thai the coffre ; ${ }^{4}$ And towarde Southwynde geteth thay femalys. Yf it be sooth, right notable this tale is.

## 15.

In hervest putte a way thi feble shepe
100 As thus thai may be solde, or elles spende.
A coitu twey monethes summen keepe Her raam until Cupido be wele to ende. And sumen lette hem alle the yere ascende.
104 And instinct so dayes shortte \& longe, Ther shal not lacke hem tender lambes yonge.

The tup should be tall, broadbellied, and covered with white wool, with a long tail and large forehead. He answers until eight years, the ewe till five.

Ewes should have large bones and long soft fleeces. Their pasture should be rich, and free from briars, which would unclothe the silly innocents, and also tear their skin.

The lambs should be strong before winter.
Aristotle says males are born in northern pastures, females in southern.

Sell or use feeble sheep in autumn. Some men let their sheep breed at any time of the year.
${ }^{1}$ lana. $\quad 2$ volunt. $\quad 3$ v profre. $\quad{ }^{4}$ ventrem v. matrem.

## De extirpando gramine.

16. 

When the Sun is in Cancer, and the Moon six days old in Ca pricorn, grass pulled up will not grow again, nor if removed with a cypress fork, or tools, sprinkled with goats' blood.

To make squillwine, dry mountain, or sea squills, as soon as the dog-star rises, far away from the Sun; put a pound into a jar of wine.

Nowe with the Crabbe inhabityng the Sonne,
The moone of vr in Capricorn ysette,
108 Yf gresse ypuled uppe be the lande is wonne.
Eke cipur tonges ${ }^{1}$ with gootes bloode wette
And toles from the furneys if me sette
By sprent with gootes bloode, the grasses rowe
112 With thees if me fordoo, thai shall not growe.

## De Vino scillite.

17. 

And vyne squyllitee is thus made in this moone :
The montayne squylle, other of nygh the See
As riseth the Canyculers as sone
116 Wol ferre away fro sonne ydried be.
A stene of wyne a poundes quantitee
Of hem receyve, alle leves superflu
Ikiste away, and thai that paled greu.
18.

Others let the 120 And other garlande hem, and so depende,
leaves hang over
leaves hang over the wine, but not dip into it too deep. It is good for coughs, and pains of the stomach,phlegm, and spleen, digestion, and eyesight.

Into the wyne so thai go not to depe, And take hem oute atte xu dayes ende.
This wyne is goode the cough ${ }^{2}$ away to kepe;
124 Alle ille oute of the wombe it maketh krepe;
It solveth flevme, and helpeth splenetyk;
Digestion it maketh, and een quyk.

To make mead, put one sextarius of unscummed honey into six of clear water, and let naked boys shake it for five hours in boilers, and then let it stand forty days.

## De Idromelle.

19. 

For meth in risyng of Caniculer
128 A sester of unscomed hony doo
In sesters vi of well water cler
In carenayres naked ${ }^{3}$ children goo
And glocke it oures v to \& froo
132 Vessel and all, and after in the Sonne With xxxx daies standyng it is wonne.

## De aceto squillino.

20. 

And in this moone is made Aisel squillyne :
Of squylles white alle rawe take of the hardes,
136 And al the rynde is for this nothing fyne,
Then oonly take the tender myddelwardes
In sesters XII of aisel that soure harde is.
A pounde \& unces vi yshrad be doo
140 And xu dayes sonnyng stonde it soo.
21.

After this xu daies cloos in sonne
Cast oute squylle, and clense it feetly wel, And into vessel pitched be it ronne.
144 An other $\mathrm{xxx}^{\text {ti }}$ galons of aisel
With dragmes viri of squylle in oon vessel,
Pepur an unce, of case and mynte a smal ${ }^{1}$
Wol do, and use in tyme as medicinal.

## De sinapi.

22. 

148 A sester and a semycicle take
Of senvey seede, and grynde it pouder small, V pounde of hony theruppon thou slake, Of Spannysh oile a pounde do therwithall.
152 A sester of fyne aisel tempur shall
This thinges; groundon well thus use it longe. This Juyl and Juyn have houres even longe.

## De horis.

23. 

Oon gooth of xxir with xr ,
156 And II with x on xif feet goth blyve.
Eke III with ix on viri extendeth even,
And IIII as viri abregged is to v .
To v \& vir leveth ini alyve.
160 And manly vr in myddes of the day
Stonde forth an houre, and uppon feet but tway.

[^76]Finis viri libri. Prafacio in novem librum.

Translator's epilogue. The latter part unintelligible.

This Juyl is doon. August I must begynne O tryne and oon, God Lorde, recorde I the
164 That sensis spille or pointe disjoynt be therynne Is not my wille; and yet in it is she Myne ignoraunce. And whi not I but he That she myschaunce he pricke or nycke it ther
168 Thi p'uce, mene as mene or nought it be He rynce if Aust be faust nygh September.

## AUGUST.

## BOOK THE NINTH.

1. 

Nygh September kalende atte Austes ende, Ther feeldes playne, humyde, and lene be, To gynne plowe is goode to condescende.
4 And also nowe in coostes of the See Vyndage araied [arayed] fore is forto se. In places eke ther it is passyng colde The vynes unwried be fayne wolde.

> De exili \& misera vinea.
2.

8 In Aust eke if the vyne yerde be lene, And she, thi vyne, a ruthful thing to se, Thre strik or imi of lupynes demene On iche acre. So let it wrion be.
12 Whenne it is uppe and hath fertilitee, Turne it efte in, it doungeth best the vynes. All other dounge is infectif of wynes.

## De pampinandis \& obumbrandis vitibus.

 3.Nowe ther is colde is pampinacion
16 To overtake a thicke yleved vyne;
And ther is hoote is occupacion
The fervent yre ${ }^{1}$ of Phebus to declyne
With obumbracion, if so benygne
20 And longly be the vyne, is not to werne. ${ }^{2}$
Eke nowe is goode to pulle up segge \& ferne.

[^77]Plough at the beginning of September, prepare vineyards, and in cold places the vines would fain be covered.
[N.B.-In verse 5 both forms are in the MS., and in verse 7 ' unwried" is written instead of $u m$ wried.]

The best manure for a poor vine is lupine, three or four strikes to an acre. Let it be covered.

Prune thickleaved vines, and, where it is hot, do not forbid to shade a luxuriant vine. Pull up sedge and fern.

De urendis pascuis.
4.

Burn the land to destroy bushes and their stock. If the land is covered with dry plants, burn them, and they will grow again more fresh.

We have not to sow radish in ragstone or clay, but it loves a moist air.

Pastures eke in this moone is to brenne That busshes, ther thai groweth over hie, 24 And besy beth the lande to over renne, This brennyng may thaire stocke \& hem destrie. Eke if the lande be wriehed in herbes drie, Nowe brenne hem uppe, and efte they wol arise
28 All glaad arayed newe in fresshest gise.

## De herbis in orto.

## 5.

Nowe rape and neep in places drie is sowe, As taught is erst, and radissh last this moone Atte drie is sowe in Wynter forto growe,
32 In lande solute \& fatte it groweth sone, With ragston or with cley it naath to done, But gladde is it to loke on dronkyn ayer, In beddes brode \& deepe it wol be faire.

## 6.

36 In gravel best after a nobel rayne Thai growe, and weete hem if thine ayer be drie, Anoon as it is sowen, wrie it playne. Two sester in oon acre is to strie;
40 And imI, as other sayen, wol multiplie, And chaf is better for hem thenne is donnge, For thai therof wol be right fungous stronge.

## 7.

Saltwater hem : therof thai wol be swete.
Salt-water makes them sweet. Be careful to have seed of the female radish. To have great plants, leave scarcely any leaves on them, and so let them grow.

They grow best after a good rain. As soon as it is sown, cover it in. Two or four sextarii suffice for an acre. Dung makes them fungous or spongy : chaff is preferable.

## 8.

The swete of that is bitter forto make
Oon day \& nyght the seede in hony stonde,
52 Outher in meth as longe tyme it take.
Rave, as brassik for vyne as ille is fonde.
Thai so discordeth that in oon poort londe
Wel may thai not; forthi oon utter kepe.
56 Also this moone is sowing of pasnepe.

$$
\text { De pomis vI ca } a^{m .} \text { de apibus vII } c a^{m .}
$$

9. 

Emplasturing eke in this moone is doo.
And sumen nowe wol graffe a perytree
And citurtree in places moist also.
60 Nowe sharnebodde encombreth the bee.
Pursue on him that slayne anoon he be.
The werkes that in Juyl be lefte undoone
Nowe may thay take an ende in this Aust moone.

## De puteis faciendis.

10. 

64 Now seche and fynde up water in this wyse
Doune lene and lay thi chyn ${ }^{1}$ righte to the grounde Estwarde, and rather thenne the Sonne arise, And where a subtil myst gynneth to abounde
68 In dewe upon, ther water may be founde
Ther pitche a mark, and on the lande take yeme ${ }^{2}$ Thayme goode or badde, faire or foule to deme.

## 11.

The marl hath veynes thynne unsmellyng best;
72 Sclak sonde lymous \& lene, unswete \& depe ; Blake erthe humour not moche hath in his chest Of wynter shoures leide up forto kepe, For swetly smylleth that lande: clayes wepe
76 Uncertainly, whoos teres beth right swete. A man may be right gladde that hem may gete.

[^78]To make them sweet let them stand a day and night in honey, or in mead. Rape and cabbage are so inimical to vines, that they would refuse to land in the same port : therefore keep them apart.

Some men now graft pears and citrons. Pursue and kill the sharnbod, or hornet, and do what was left undone in July.

Seek for water by leaning your chin to the ground before sun-rise. Pitch upon a mark, and take notice, and judge them good or bad.

Marl has veins of bad smell; loose sand has scanty and muddy water; clays have an uncertain supply of sweet water.

## 12.

Strong gravel and stony land have a certain supply, and where the stone is red, there is abundance, but beware lest it escape through fissures. In flint is cold and wholesome water, in plains hard and tepid.

A good flavour shows they spring from under a mountain; but there are cold springs in plains if the sun is kept off. Withy, reeds, alder, ivy, show there is water.

Sadde sonde gravel, and there eke as beth stonys, Certain humoure is and in ubertee.
80 Goode abundance is ther as rody stoon is. But war: for thai thorough chenes ${ }^{1}$ lightly flee.
Amonge flynt stoon atte hilles rootes be
Veynes ynowe, and chillyng colde \& seete.
84 Ther felde hath salte and saad, luke \& unsweete.
13.

And if thai savoure wel, thenne thay begynne
Under the mount, eke ere amonge ther be
Welles wel colde in playne ther shades twynne
88 The Sonne away. Yit signes moo men see
Ther water is, as the fertilitee
Of withi, ${ }^{2}$ reede, ${ }^{3}$ aller, ${ }^{4}$ yvy, or vyne
That ther is water nygh is verrey signe.

## 14.

Where these grow, dig three feet, broad, and five deep, and put in the ground a yessel upside down. This hole, covered with a hurdle and mould, should remain so till the morrow.

Take away the hurdle, and if the vessel be damp or moist there is water. An unbaked earthend pot, if there is any water, will be softened.

92 Ther as thai growe, updelve in latitude Thre foote, and deep v foote into the grounde, And whenne the Sonne adowne gothe, ther enclude Of leede or brasse a vessel clene ygrounde 96 Downwarde the mouthe, upwarde the bottom rounde, This pitte ywrien with a fleyke and molde Uppon so dwelle until the morowe sholde.

$$
15 .
$$

The next day the fleyke away thou plie, 100 And se yf this vessel withynne swete, Or if the dropes therin multiplie, Withoute doute ther wol be water gete. A potters potte uneled ${ }^{5}$ wol alete ${ }^{6}$
104 And yf it be leyde therynne the same wyse, Yf any springe of water ther wol rise.
${ }^{1}$ rimas. ${ }^{2}$ salicis. ${ }^{3}$ arundo. ${ }^{4}$ alnus. ${ }^{5}$ non coctum. ${ }^{6}$ resolvetur.
16.

Ley ther a flees of woole in like maner, Yf it conceyve of humoure in oon nyght
108 That we may wrynge oute of it water clere,

Or a fleece of wool, wringing wet, is a sign, or a lamp if extinguished.

It is recorde of water : eke a light.
In oil by like maner therynne ydight, Yf it be fonde yqueynte, ther is a veyne
112 Of water nygh ; the nedeth not complayne.

## 17.

Eke of a fier ther made if smooke ascende
Alle fatty, weet, \& cloudy nebulose,
To make a winche al sikour ther descende,
116 Forto thyne honde wol sprynge or springes ose. ${ }^{1}$
And springes feel into oon may be complose. ${ }^{2}$
In hilles feet towarde Septentrion
Good humour hath multiplicacion.

## De puteis faciendis.

18. 

120 Goode is bewarre the wynches ${ }^{3}$ whenne to delve, For cley, alum, and brymstoon, otherwhile Though brynkes stonde and wol not over whelve, Enfecteth the ayer, and delvers so begile,
124 That dede thay are inwith a litel while, But if thay flee: for thi, or thai descende, A light into the wynche may downe be sende.

## 19.

Yf it ne quenche, of perill is ther noon.
128 Hit quyncheth,-lo! the place is pestilente.
An other way to this is to goone :
On either side a pitte must have descent Until thi sought licoures librament.
132 And ever amonge into the wynche hem thorle, 4

Beware of clay, alum, and brimstone, which kill the delvers within a little while unless they fly; therefore, ere they descend, let a light be sent down.

If it be not quenched there is no danger, and vice versâ. Or dig a hole till the water escapes, and bore the well into it that the noxious air may evaporate. That wynde away the wicked ayer may hurle.

Make it eight feet wide and secure it with courses of wood, the walls being of ragstone or flint. A mixture of salt will correct muddiness.

If the brink keep falling in, board it up, and strengthen the boards with transverse planks, lest it close upon thy working men.

Sprinkle it on a clean brass vessel,'and if it leave no spot you may maintain it to be good. If, when boiled in a brazen vessel, it leave no sediment at bottom, it is sound.

Or if food soon boils in it; or if it be clear, without blemish. By piercing the mountain, we may bring a well that stands in high ground to a lower place.

This doon, the sydes make up with structure, And footes viII it hold in latitude.
136 With barres bigge is goode to make it sure ; Or wall it well with ragge or flyntes rude. In square or round this werk thai may conclude.
If water ther be lymous or enfecte
140 Admyxtion of salt wol it correcte.
21.

And yf thi wynche in digging wol not stande, But nowe and nowe be fallyng in the brynke, Peraventure it is so slippyng lande.
144 Thenne an other crafte thou must be thinke: Yf bordes holde it oute, it may not synke. But thai must oute be borne with barres rude, For doubte if it thi worching men conclude.

## De aqua probanda.

22. 

148 His water newe is goode a man to preve: Let springe it on a brason vessel clene, And yf noo signe of it on the brasse leve, The droppes here \& there appering sene, 152 That veyne is good prudently to sustene. Decoct in brasse, yf gravel in the grount Noone leve is preef that that licour is sount.

$$
23 .
$$

Yf mete in hit wol boile in litel while, 156 Yf it be cleer appering like the skye, Withouten wem or signe of thinges vile. The wynches eke that stonde in hilles hie To lower stede as welles we may trie.
160 This must be doon by persyng the mountayne The water so to lede into the playne.

## De aque ductibus.

24. 

The water may be ledde by weies three.
In channels, or (in) condites of leede,
164 Or elles in trowes ymade of tree.
And first in a channel if it be led
In evry hundreth feet downe from the heed A lite and lite a foote it must avale,
168 That it have myght so downe the clyf to hale.
25.

And if it happe an hille the water mete, Let make a lone and through thi licour hale.
Or elles by the side aboute him trete.
172 And if it sholde affalle into the dale With piles over that it must avale.
Or make an arche it over on to lede ${ }^{1}$
Or pipes it to conduyt me may lede. ${ }^{2}$

$$
26 .
$$

176 In condites descende into the slade
It may, and on that other side aryse.
But hoolsumest and best is to have made
Trumpes of cley by potters in thaire gise,
180 And iche of hem II finger thicke assise.
Oon ende ymade so streyne an other sprede,
That iche into other may an hondes brede.
27.

Oil-tempred lyme this joyntes shal scyment,
184 Thenne ysels ${ }^{3}$ myxt with litel water renne
Thorough, deching alle this hoolsom instrument.
The water that goth thorough the leden penne ${ }^{4}$
Is rust-corrupte, unhoolsom ; leve it thenne.
188 And if thi veyne of water be but poore, The dwellyng-place of it be made the moore.

Three ways of leading water, viz., channels, conduits, and wooden troughs. In channels it must sink gradually a foot in every 100 feet, that so it may have strength to run down the hill.

If a hill come in the way, make a lane and force the water through, or let it go round it. Carry it over a valley on piles, or arches, or leaden pipes.

It may descend into the valley in conduits, but wholesomest are clay tubes, one end being made so narrow, the other so wide, that each may go a hand's breadth into the other.
${ }^{1}$ ducere.
2 plumbare.
3 favilla.
4 condite.

De mensuris \& ponderibus fistularum.
28.

1200 lbs . of lead suffice for 1000 ft . of pipes, and in proportion.

To make omphacomel: take six pints of half-ripe grapes and two of honey well pounded, and leave it forty: days under the beams of the sun.

Length of the hours in August.

Translator's epilogue.

The leed condite conteyneth this mesure :
XII C pounde of metal shal suffise
192 A thousand feet in lengthe of pipes sure.
And so whether the lengthe avale or ryse
The lesse or more of weght for it devise :
As poundes few and footes fewe applie,
196 So poundes moo to moo feet multiplie.
De onfaco melle.
29.

For comfit that is clept hony-onfake, Sex sester take of grapes juce half soure, Two sester hony mightily let brake, 200 Or stampe, and putte it into this licoure. Thenne $\mathrm{xL}^{\text {ti }}$ dayes stonde it every houre To boile under the bemes of the sonne, And after kepe it cloose, and it is wonne.

> De Horis.
30.

204 This Aust and May in houres lengthe are oon. To xxmir feet next either ende, And two next hem in feet xili goon, And other two to footes ix extende, 208 And after two the next on vi ascende. Next after noone, and erst stondyng on IIII is, And none on mir stont up and myddel houre is.

Finis noni libri, et prefacio in decimum librum.
Thus Aust is spende, 0 Lorde, alpha and $\hat{\omega}$,
2120 endlesse ende, 0 gynnyngles gynnyng, To make aright until this booke be do So graunte myght and therwithall connyng, As myne entente is thyne honoure to spryng,
216 And jugement; thi pryncis floure on clere Or cloudy derk or light he must uphinge. And I to werk am sette atte September.

## SEPTEMBER.

## BOOK THE TENTH.

## De agris pinguibus tertiandis.

1. 

Atte September the fatte lande using longe, Homoure to keep is plowed, and so thrie It plowed is; the same eke is noo wronge
4 Rather to doo yf season be not drie. The playne, humyde, \& lene lande espie, In Aust saide of, nowe plowe it newe ayeine, And plowed, hoote let kest on it his greyne.
2.

8 The clyves ${ }^{1}$ thynne are ereed nowe \& sowe And nowe nygh equinox. Thi landes dounge, In hilles thicke, in feldes thynne it throwe. In wanyng of phebus be thai to flonge;
12 So may it moost availe and do lest wronge. And for an acre lande, saithe Columelle, Carpentes xximi is to telle,
3.

For hilles so ; for feldes take xvirr.
16 And every day as many is to sprede. And thou that day to plowe up may sustene, For drede lest the dounge uppe drie and dede. alle winter me may dounge also for nede. Eke sowe it smal as seede whenne thou wilt sowe.

[^79]Fat land accustomed to hold its moisture is now ploughed thrice. In a wet season it may be done earlier. Plain, humid, lean land, spoken of in August, is now ploughed again, and immediately planted.

Light hills are ploughed and planted towards the equinox. Dung thickly in hills, thinly in plains, at the waning of the moon. Twentyfour carts of dung enough for an acre.

## 4.

Lay on dung little and often; more on wet land; marl may be spread instead on sandy land, or sand upon clay, for corn or vines. Dung will impair vines.

In moist, lean, cold, shady land, manage to sow ador (a sort of bread-corn) and wheat at the equinox in serene weather.

On salt land spread doves' dung and cypress leaves, and plough it in. Or let good water expel the bad. Four strikes enough for an acre.

Clothe thy hopper (small squarefield) with a hyæna's skin, and let the seed stand therein a short time. Insects, which destroy the seed, may be kept away with juice of sedum (houseLeek).

At ones lite \& ofte is goode to dounge, Weet lande wol more of it than wol the drie;
24 For lacke of dounge in sondy lande be spronge Goode marl, and it wol make it multiplie; And uppon cley the sonde is goode to strie; That helpeth corne, and maketh vynes feire;
28 For dounge in vynes wol the vynes peire.

## De serendo tritico \& adoreo.

## 5.

This moone in lande uliginose or lene, And in the landes also that beth colde, In thicked lande also is to demene,
32 Whenne day \& nyght yliche longe is holde, Bothe odor (sic) and thi whete in lande to folde. Whenne ayer is faire, that thay may uppe be spronge, Er wynter come and wexe a partie stronge.

De remedio humoris \& de mensuris.
6.

36 Sum lande is wont salt humoure up to throwe That sleeth the corne. There douves dounge instrie, And leves of cupresse eke on it sowe, And eree it ynne. Or thus it remedie:
40 This fals humour let goode water oute trie.
In mene lande of ador or of whete,
An acre lande to strikes $m$ is mete.
7.

Thyne hopre cloth hienes skynne, and throwe
44 Thi seede therin, and stonde it there a stounde, ${ }^{1}$ And, as thai sayen, the better wol it growe. Yf bestes harme it that beth in the grounde, Let mynge juce of cedum smal vgrounde
48 With water, and oon nyght thi seede ther stepe, And beestes wicke away thus may me kepe.
8.

An other juce of wild cucumber useth, And hath the roote ystamped of the same
52 With water mixt, and so his seede enfuseth. Oil dregges fressh of sum men have the name Of helping from thees beestes worthi blame, Wherwith thaire landes liketh thai to enoynte
56 And bathe her plowes therin every joynt.

## De hordeo canterino.

9. 

Nowe sowe in smal lande barly canteryne. V strik an acre hath. Eke nowe or lite Afore in every lande is kest lupyne.
60 But sowe it er the coldes angry bite. It hateth slymy lande and marles white, And aswel lene it loveth and rubrike. To sowe oon acre sufficeth x strike.

> De piso serendo \& sisamo.

## 10.

64 Late in this moone is pese ysowe in light
Lande and solute; in weet it liketh growe.
With strikes IIII an acre lande in dight.
Sysame in fatte soil and gravel is sowe,
68 Sex sester in oon acre lande is throwe.
Late in this moone is eke to breke uppe lande
Ther medica shall sowen be to stande.
De vicia \& Graco freno \& farragine serendis.
11.

Nowe first the fittche is sowen and feyne greek.
72 Oon acre served is with strikes vII;
Farrage in restyf lande ydounged eek
Is doone, x strike is for oon acre even,
And oute of moolde are colde eke must it heven.
76 Til May it wol suffice uppon to fede.
But lenger not thenne Marche if it shal sede.

Others steep the seed in the juice of the wild cucumber, or the root pounded and mixed with water. Some anoint the land and their ploughs with oil-dregs.

Sow horsebarley before winter's cold in lean, red soil.

Sow peas late in the month ; four strikes to an acre. Sow also sesame in rich land or gravel, and break up land for clover.

Vetches and fengreek require seven strikes to the acre. Farrage (matlin) to be sown in stiff land, and it must rise out of the mould ere cold weather. Unless it run to seed, it may be fed upon till May.

De lupino serendo \& evertendo.
12.

It will improve poor land to sow lupine.

Now form new meadows, if you like. Choose those that slope into a valley. Loose land, if watered, will bear grass.

Also take hede in this September moone, Where erthes are out of fecunditee
80 And lene, and nygh this moones Idus sone, Lupyne into the landes sowen be. And whenne thay shewe uppe thaire fertilitee, So turne hem with the plough to putrifie ;
84 And after that thi lande shal multiplie.
De pratis novellis formandis.
13.

Nowe meedes newe enfourme, if that the like. Lande dewy fatte so lenyng sumdel playne In places like a valey, hem thou prike
88 Where humour nys not longe nor to shor slayne.

Time to root ap trees and herbs, and plough and dung at the waning of the moon.

If cattle tread uponit, they will make it uneven. If moss overgrow it, shave it, and sow hay seeds; and it will not be amiss to scatter ashes to slay the moss.

Alle other lande of meedes hath disdayne.
Yit lande solute \& lene, if it be softe, Wol bere gresse yf It be watered ofte.
14.

92 This tyme is to be stocked every tree Away with herbes brode, eke root and bough, And iche impediment oute taken be. Eke exercise it after with the plough
96 Whenne it of erthe is resolute ynough,
The cloddes broke and piked oute the stonys, Freshe dounging tyme in wanyng of the moone is.

$$
15 .
$$

For any thing noo beest upon it trede,
100 Uneven it that wolde, it is to drede. And if olde moos thi medes over lede, Let shave it clene away in lengthe \& brede; The shaven grounde with sede of hay lete seede.
104 Eke forto sle this moos is doone noo wronge Yf askes ofte aboute on it be spronge.
16.

And if thi mede is drossy, barayne, olde, Let plowe it efte and playne it efte doune lowe.
108 Eryng is goode for aged meedes holde.
The rape is sowe in hem, eke fitches throwe
Beth ther with hay seede, better forto growe.
Til it be harde unwattred must it be,
112 Lest alle the werk corrupte humyditee.
De vindemia celebranda.
17.

This moone in places warme \& nygh the see
Vyndage is hugely to solempnyse ;
In places colde arayed fore is he.
116 The tonnes forto pitche is to devyse :
A tonne of two hundred congys suffise
With poundes xII of pitche, and more or lesse,
After the quantitee therof then gesse.

## 18.

120 Sumen to $x^{\text {ti }}$ pounde of pitche a pounde Of wex wol doo, to ese it lest it lepe
In colde ; eke wyne to taste and smylle sounde
Fro bitter pitche also thi vynes kepe. ${ }^{1}$
124 If thay be browne and sum eke blake be.
That is a token of maturite.
Upon the grayne in grapes eke take kepe. ${ }^{2}$
De panico \& milio metendis ac faselo serendo. 19.

Now in sum stede is panyk rope and mylde,
128 Fasele also is sowen nowe for mete.
Nowe gynnes forto take foules wilde
And other beestes, be thai smale or greet, By nyght is wrought, and alle to hand ygete,
132 To exercise atte October kalende, That joyneth right upon the Idus ende.

[^80]If the meadow is drossy and old, plough it again, and level it. Ploughing is good for old meadows. Humidity would spoil all the work.

Preparations to be made for the coming vintage, e.g. pitch the casks, 12 lbs. of pitch, more or less, for each cask, according to the size.

Some men add llb. of wax to 20 lbs . of pitch, lest it should split. Keep the vines from pitch. A brown and blackish colour is a sign of maturity. Pay attention to the grapestones.

In some places panic and millet is now reaped, and phaselus sown. Gins for wild fowl prepared against October.

> De papavere, brasica, timo, origano, \&c. 20.

Cheese-bowls (poppies) sown now alone or with other seed. If sown in land which has been burnt they will thrive best. Sow cabbages to plant out in November, for colewort in winter and spring.

Land, wanted in spring for planting, may now be dug three feet deep. Thyme will thrive from plant or seed. Sow origan at the equinox.

Chesbolles nowe beth sowe in hoote \& drie Allone or other seede with; and it sowe 136 Ther as thing hath be brent, wol multiplie Best, as thay sayen; and nowe brasik to growe For November plauntyng in lande is throwe, Wherof in Wynter wortes me may have.
140 And in Veer of the same croppes crave.
21.

Thi garth, in springing tyme to be sowe, Thre footes depe may nowe pastyned be; Atte wanyng moone is dounge in it to throwe.
144 Nowe tyme, of plaunte or seede, utilitee Wol do, that loveth lene \& nygh the see. Sowe origon whenne day and nyght is longe Yliche, and water it till it be spronge.
22.

Sow capers by themselves; for their juice is a foe to other plants: therefore let them not spread. They flourish in summer, and fade at the setting of the Vergilim (Pleiads).

148 Hit loveth dounge and sharped stony londe.
Nowe cappares ysowen is also,
That by it self is best to make stonde.
Forwhi? hir juce is other herbes foo.
152 So ditche him in that ferre he may not goo.
In Somer tyme him liketh wel to glade ; That when Virgiles downe gooth gynneth fade.

Gith (or cockle), cresses, dill, radishes, parsnips, cærefolium, lettuce, beet, coriander, rape, and turnip are sown now.
23.

And gith is laste eke in this moone ysowe,
156 Cresses and dele also in tempre lande,
Or hoote radisshe in drie also wol growe, Parsnepe and cerfoile also forth may stande Atte October kalendes kest with hande,
160 Letuce, and bete, eke coriander seedys,
Nowe rape and neep ysowen goode in dede is.

## De pomis scilicet de tuberibus.

24. 

Nowe tuberes atte Octobre kalendes, Or Feberyere, by cornels or slevyng,
164 The besinesse of settyng ful wel spende is. Whoos tender youthe applaudeth cherisshinge.
With roote a plaunte up puld and sette wol sprynge, Oxdounge ennoynte and cleyed in fatte londe

Sow tubers from kernels or cuttings. They require care at first. A plant pulled up with a root will grow. Anointed with ox-dung and clay, sea-weed and shells, it will mount up.

168 With seefroth upon shelles uppe wol fonde.
25.

Thre greynes sume oute of an appul take, And sonne ydried sette him im and III, Oon springe nature of greynes ini wol make,
172 That wette and dolven besily must be, And oon yere olde hem plaunted is to se. So wol thaire fruite be swete, in Janyveer Graffe him in quynce, and eke in Feveryeer. 26.

176 And graffe it best in plumme ${ }^{1}$ and peretree In Meles Calabrike, and with a rynde, Or skeppe, or potte, ydounged moolde be Upholden to the graffe until it finde
180 Almoost the toppe. The same crafte is kynde For meles eke. This tubre fruyte men kepe In mylde or pitched pottes leide to slepe.

## De pavimentis \& lateribus \& de diamo.

 27.Nowe floores me may pave, and brikes make,
184 As is the crafte described erst in May. Sycomore wilde a certayne is to take And boile it so, not with to greet affray. Two parties of this juce is forto allay

It does best in plums, pears, and Calabrian apples in the rind; or let a skip (basket) with dunged earth be placed over it. Tubers may be kept laid to sleep in mlllet.

To make diamorou take a certain quantity of wild sycamore, boil it gently, and temper with one-third honey, and stir it till it mix.

188 With oon part of hony. Up boile it thenne, And stere it until hony thicke it renne.

[^81]De servandis uvis.
28.

Choose grapes to keep neither too ripe nor too sour, bright as gems, soft and hard to the touch; pull off the corrupted ones; burn the stalks of the clusters in hot pitch, and suspend them in a
cool, dry place.

A vine suffering from moisture should be trimmed only on the sides, the upper branches being left as a protection from the Sun.

Trie oute the grape unhurt, neither to ripe
Neither to soure, as gemmes luculent,
192 Of softe and hardde as goodly is to gripe, Tho puld of that corrupcion hath shent, The closter tenes ${ }^{1}$ in hoote picke be blent. ${ }^{2}$
Suspende hem so in colde hous, drie, obscure, 196 Ther noo light in may breke, and thai beth sure.

Ce vite cujus fructus humore putrescit. 29.

A vyne whoos fruite humoure wol putrifie. Pampyned is to be by every side,
Relicte on hit oonly the croppes hie
Fro Sonnes heete her gemmes oonly to hide.
And thenne rooted wol the grape abyde.
September is with Aprill houres even,
For Phebus like in either gireth heven.

## De horis.

30. 

The length of the 204 Er either ende is xirr and xi hours in September: 1st and last, 24ft. ; 2nd and $10 \mathrm{th}, 14 \mathrm{ft}$.; 3 rd and 9 th, $10 \mathrm{ft} . ; 4$ th and 8th, fft.; 5 th and 7 th, 5 ft .; noon, 3ft. (qu.4). First subtract, then multiply.

Translator's
epilogue.

And next her either ende is vir twye, And thridde is $x$, and fourthe is fully vir, And fifte is $\nabla$, and none is $m$ stonte hie. 208 Surtrete hem first, and after multiplie. As in Aprille in sense is saide the same In other speche, yf I be not to blame.

## Finis Septembris ; prefacio in Octobrem.

September is anende. Honoure, empire, 212 Laude, Ympne, and Bliss ascende (un)to oure Eterne Almighty Lorde, that wolde us alle enspire In werk his worde to holde, if galle interne, Yf synne in oure entente hem nolde externe.
2160 Jesse floure, so hent and bold us heer
To fle fro synne and derk fire sempiterne, As me to gynne a werk atte Octobeer.

[^82]
## OCTOBER.

## BOOK THE ELEVENTH.

De adoreo, \& tritico, \& hordeo canterino.
1.

Atte October is whete \& ador sowe.
Just sowyng of hem is fro $x$ kalende
Of November until vi Idus blowe
4 Of December, and thenne is it atte ende.

The regular time for sowing different sorts of wheat is from Oct. 22 to Dec. 8. Sow also horse-barley.

This moone is dounge (is) caried oute on ende. ${ }^{1}$
This moone is sowe eke barly canteryne;
Lande lene, or fatte, or drie, is for it digne.
2.

8 Hit holdeth ther as seedes seldom growe, And gretly hateth it al dounged londe.
Now fitches, pese and lupynes beth sowe, Sysame also right, as beforne is fonde,
12 Sowe at this moones Ide; eke after honde Fasele in fatte or bareyne lande wol rise, And strikes IIII oon acre shal suffice.

De lini semine serendo.
3.

Nowe lynneseede, if the likest, may be sowe ;
16 But sowe it not; it souketh oute the swete Of every lande ; and, if thou wilt it growe, Sowe it in fattest landes sumdel wete; VIII strik of it is for oon acre mete.
20 Eke summen sowe it thicke in lene lande, And subtile flax ynough theron wol stande.

[^83]It flourishes where otber seeds will not grow.

Linseed sucks out the strength of the land.

De notanda vitium fertilitate.
4.

Mark the fertility of a vine, but one year's growth is not enough as a proof.

Late in this month propagate vines in a hot dry air. Cutting and dressing, etc., to be done now in hot, dry, lean land.

Where land is of that nature, frosts have no domination.

Cut away superfluous roots, and let the vine balance on tip. toe ; but cut not the roots too close, lest too many shoot out, or lest they fester.

Nowe nede is sette a signe on every vyne That fertile is, scions of it to take
24 For setting. Columelle oon yeres signe Reputeth not ynough preef forto make Of fertillesse ; but if it never slake In yeres foure of bering forth expresse, 28 This is a preef of craftes gentillesse.

## De ponendis vineis vel propagandis.

5. 

Nowe late in lande ther ayer is hoot \& drie, And erthe exile or hilly drie or lene, Vynes beth best ysette to multiplie.
32 Settyng, kytting, and pastynyng demene, Trailing, repairyng, bosshing vyne clene, As taught is erst, yf lande be drie, exile, Hoot, gravelly, and gladsom other while.

## 6.

36 So holpen is the vyne of winter rayne Ayaine the landes lene povertee, So drinketh it that is of drynkes fayne, That is not wont of frostes vexed be,
40 For ther as lande is of that qualitee
The frostes na noo dominacion.
Nowe cometh este ablaqucacion.

## De ablaqueandis vitibus.

 7.After this moones Ide of Vynes yonge
44 The rootes voide away be kitte, lest they Be cause of deth unto the rootes stronge ; And so right on the tiptoo let hem gey ${ }^{1}$ So shal she not for hoote nor colde obey.
48 But kitte hem not to nygh, lest thei abounde Three toon for oon, or feestern into a wounde.

[^84]
## 8.

Kitte hem a finger froo, and if ther be Wynter plesaunt, apert is hem to leve;
52 And violent yf thou the wynter se
December Idus wrie hem, lest it greve. For over colde doo douves dounge at eve Aboute her roote, algour away to dryve.
56 Eke Columelle hath this yeres fyve.
De utilitate propagationis, de inserendis arboribus. 9.

In September the propagacion, In landes suche as tolde is of before, Is best to sette in occupacion:
60 For nowe thai maketh rootes lesse and more.
And whi? for branches nowe may thai noo more.
Summen also nowe graffeth vyne and tree;
But that in hattest lande is wont to be.
De olivetis instituendis \& purgandis.
10.

64 In places nowe that hattest beth and faire, As erst is saide, make uppe thyne olivete, And alle that longeth to thaire semynaire. Of olyvetes tyme is on to swete.
68 Olives white eke nowe confite hem swete, As shal be taught; eke there is warme and drie, Ablaqueate hem that thai may undrie. ${ }^{1}$

## 11.

Pulle of ich plaunte, as chargeth Columelle;
72 Yet thinketh me the saddest ever amonge Were husbondrie a parcel forto dwelle, That whenne the damme is feint, the childe be stronge. In stede of semynary werk, to fonge
76 On foote and goo: eke atte III yeres holde Hem goode to dounge; and namely ther is colde.

[^85]Cut them an inch from (the stock). In a fine winter leave them apart (uncovered); in a severe one, cover them at the Ides of December. Doves' dung will keep away cold. Columella sass do so five years.

Now is the time. for propagating trees ; for they now make roots, not branches. Some men graft vines now in hot land.

In hot places now make oliveyards, and all that belongs to the seed-bed. It is time for olives to sweat. Now preserve sweet white olives. In dry places ablaqueate them, that they may become moist.

Contrary to Columella's direction, methinks it is good husbandry to leave a few shoots amongst the strongest to succeed the parent stock and go at once to the olive-yard in. stead of the seedbed. Dung them at three years, especially where it is cold.
12.

Six lbs. of goat's dung for one tree; or let every tree engage a strike of ashes, and let the moss be removed. If boughs are barren, weak, or old, single them out yearly. If they will not fructify, help them thus:

Let a French wimble bore into the pith; thrust in a branch of rugged wild olive, and at once cast oil dregs, or old urine, upon their roots laid bare. Thus a barren tree will bear. It is good to graft them in the wild state.

Clean brooks and ditches. If rain has made grapes watery, it is best to get all the must coming from them after the first heat into another vessel. The water will let all sediment remain behind.

Take fresh olives, diverse as is their colour, to keep over the evening; spread them, lest they heat. Remove dry rotten berries, strew on them whole, not ground, salt, and put them quickly into new baskets.

Six pounde of gootes dounge is for oon tree, Or evry tree a strike of askes gage,
80 The mosse alway yrased from hem be. Eke Columelle hem kitteth viri yere age. But I saye bareyne, feynt, or in dotage, Yf bowes be, hem yerly utter trie. 84 And help hem thus if thay nyl fructifie:

$$
13 .
$$

Unto the pith a ffrenssh wymble in bore, Threste in a braunche of roggy wilde olyve, Threste ynne it faste, and to thaire rootes store
88 Alle naked made oildregges kest as blyve Or old uryne. In this maner do thrive A barayne tree to childe; in this courage Hem forto graffe is goode, as sayen the sage.

> Remedium si uva compluta est.
14.

92 Nowe purge upp broke and diche; eke if greet rayne The grape hath weete, after the formest hete Of must of hem comyng, as Grekes sayne, Is best alle into other vessel gete.
96 The water wol behinde alle heirylete. This wyne translated thus is save \& pure And waterles. For whi? It hath his cure.

De oles viridi \& laurino faciendo.
15.

Fresshest olyve is taken, so dyvers
100 As his colour is, and, to dwelle ore eve, Let brede hem, lest thai hete \& be the wers.
Eke everie drie or roton cors remeve, And rather hool thenne groundon salt let streve
104 On hem ini strike on x strike of olyve,
And into skeppes newe hem haste as blyve.
16.

This savery salt alle nyght so let hem drinke, And erly sette on werkyng hem the wrynge ;
108 A savery oil ther wol oute of it synk;
But first with water warme is to bespringe
The chanels of this oile and vessellyng.
Lest rancoure oil enfecte, do fier away.

Let them drink up the salt all night, and early set the press at work upon them. First sprinkle with warm water the pipes and vessels of this oil. Keep away fire, lest the oil become rancid.

112 Nowe eke is oil to make of laury bay.

## De herbis in orto serendis \& plantandis.

17. 

The winter goolde is sowen in this moone,
That loveth weet solute and gravel londe.
In salt lande nygh the see thay springeth sone,
116 But make hem playne upon to stonde,
Lest rootes bare, if molde fle, be fonde.
And katrefoil, whenne thai beth up yspronge,
Transplaunte hem into lande ydight with dounge.
18.

120 The tasul plaunte is also nowe to sette, Thre foote ich oon of hem from other stonde.
The rootes cropped first and dounge ywette,
The increment in hem is to be fonde.
124 In wynter dayes drie uppon thaire londe
Let dounge and askes kest : eke now is sowe
Senvey that wolde in hardest lande be throwe.

## 19.

Yit every where it maketh plaunte \& flour ;
128 And fedd it is to dust; is ofte and weete.
But litel joy hath it of moche humour.
And as for seed in natal soil it fede.
Transplauntyng as for meet is better dede
132 To make hem stronge; if it withinne is grene
For sauce or seede that grayne is to sustene.

Endive loves wet and loose gravel. It grows quickly near the sea; but let it stand in a plain, lest, if mould fail, the roots be found bare. Transplant quatrefoil into manured land.

Set teasles three feet apart, the roots being first clipped and moistened with dung; they will increase. In winter cast dry dung and ashes on their beds. Sow mustard in hard ground.

It is nourished by dust: it does not like much wet. For seed keep it in its own soil: for meat it is better to transplant it, to make it strong. If it be green inside, it is good for sauce and for seed.

Mallow is kept back by winter from growing long or large. It likes rich moist land and dung. Transplant when it has four or five leaves. The tender plant takes best and grows quickly; that transplanted large is sickly : those not removed have best taste.

A clod or a stone will prevent their growing too fast : they require to be planted thin and often weeded: but pull up the weeds one by one, that none of the roots be moved; by making a knot in the root, they become tender and sweet.

Dill, mint, capers, bete, etc., are sown this month.

Transplant leeks that they may grow to head; and weed it often; and raise it a little, so as to leave a hollow. Basilicon grows quickly if a little vinegar be sprinkled on it.

This moone is malowe ysowe, and to be longe The winter latteth it, or greet to thryve.
136 And gladde is it of fatte lande weet and dounge.
Eke hem transplaunte atte leves IIII or v. The tender plaunte is take anoon, and blyve Upgoth, and sekkul beth the greet ysette, 140 And thay that stille stondeth savereth bette.
21.

But to fast into croppes lest thai rise Ley softe a litel clodde on, or a stoon; Ofte weded rare ysette eke is thaire gise;
144 But to pulle uppe the weedes oon and oon That roote of it be meved therby noon. And yf me make a knotte on everie roote Thay wol be frogh ynough and tender soote.

## 22.

148 Nowe dile is sowe in places temporate, Also the mynte is in this moone ysowe, And onyons forto sowe eke tyme is atte, Pasneep, and origon, and Tyme is throwe
152 In moolde, as nowe Armarik wol growe
Nowe sowe or sette; and bete in landes drie Is in this moone ysette to multiplie.

$$
23 .
$$

Nowe leek ysowe in Veer transplaunted be
156 That it may hede, and ofte aboute it weede And lifte her plaunte a litel quantitee So holgh to stande and in the heed to sprede. Basilicon eke nowe to sowe I rede
160 That springeth sone if aisel on hem reyne
I mene on hem al light if it me spreyne.

## De pomis colendis \& pomis condiendis.

 24.Who wol do perveaunce in worldes longe The palmes forto sette he must have mynde.
164 Nowe dates bones trie out fatte \& yonge
And hem that fresshest newe are in thaire kynde
Hem under erthe in moolde and askes wynde.
Aprille or May the plaunte is in to sette.
168 Hoote land thay love, and often to be wette.
25.

Solute or sondy landes thai require,
So that aboute or under hem be do
A certayne of fatte lande as thai desire.
172 And hem transplaunte oon yere of age or two;
But do this first in Juyn and Juyl also ;
Eke delve it ofte, and forto kepe of hete
Ay with and with licoure on hit to trete.
26.

176 Salt water helpeth palme, or of nature
Or made : and yf the tree begynne seke ${ }^{1}$ The dregges olde of wynes wol it cure, So it unto the bared rootes seke. ${ }^{2}$
180 The heer do barke away from either cheke Of everie roote, or make a saly pynne And in the rootes clifte let drive it ynne. 27.

The lande is nought for fruite that palmes growe
184 Untilled ynne. Pistace is in this moone Of plauntes sette outher of nuttes sowe. But men \& women sette together sowe Wol fructifie, and so it is to done.
188 The man is he that hath under his rynde
Natural or artificial salt-water is good for palms, and if the trees begin to sicken, the dregs of old wine will cure them, searching to the roots. Cut off the hair (filaments) of each root, or drive in a pin of willow.

Land in which palms grow naturally is not good for fruit. Pistachio nuts grow from plants or kernels; but plant male and female nuts together. The male has a long bony substance under the rind. Like bones longe stones as mankynde.

[^86]28.

Others smite out the head of small baskets, and put dunged mould into it, and there plant three nuts; and from each will rise a germ. It is right to transplant it in February.

And other use an other diligence ;Thay smyteth oute the hede of skeppes smale, 192 And dounged moolde in it they wol dispense, And therin doo pistaces tir by tale; And of hem alle up wol ther a stale. ${ }^{1}$ In Feveryere when it is waxen stronge, 196 If me transplaunte hit not me doth his wronge.
29.

It may be grafted on a terebinth tree in February, or on an almond in March. The cherry does not thrive in heat.

He loveth moiste \& hoote \& often drinke ;
In terebynt in Feveryer is he
Ygraffed, and in Marche as other thinke
200 He may be graffed in an Almauntree. Colde ayer and weete lande hath the chiritree.
Thaire fruites wol be smale in places warme, And hetes that be greet wol eke hem harme,
30.

Cherries grow quickly on hills. Transplant now and in November; but in January, when they have taken root, graft them. Plant them in these three months, and they will grow quickly.

204 In hilles sette upgooth with merie chere,
And nowe transplaunted beth thaire plauntes wilde, In November also; but Janyvere, Whenne thai beth take \& gynneth go with childe, 208 Hem is it goode to graffe in dayes mylde, Or in this moones thre thaire pomes springe ${ }^{2}$ In moolde, and plauntes faste of it wol springe. ${ }^{3}$

## 31.

A proof of the increase of the cherry-tree is that the cuttings which have been used for vinepropshavegrown anon into large trees. In January, November, or October, it is time to graft them; Marcial says in the trunk, I say in the rind.

I preved have encrece of Chiritree.
212 The yerdes that my vyne I sette unto Anoon hath growen up an huge tree. In Janyveer and November also, And other sayen in October therto, 216 Ys hem to graffe in trunncke, as Marcial Saith, I in rynde have founde it goode atte al.

[^87]32.

And, as he saith, in truncke who wol hem doo Must pike away the downe of alle the tree, 220 For many a graff, he saithe, it hath fordoo. This observaunce is to be kept, saithe he, In chiritreen, and alle that gummy be : To graffe hem whenne noo gume upon hem growe, 224 Or elles whenne it stynteth oute to flowe,

## 33.

In plane, \& in himself, in populeer
He graffed is, and in the plowme-tree.
In delves deep he is of mery cheer.
228 Greet rowme and delvyng often loveth he.
Kitte hem that dote or drie or densed be.
Thay hateth dounge ; it dooth hem oute of kynde.
Nowe crafte to have hem stoonles kepe in mynde.

$$
34 .
$$

232 Withouten stoon wel wol thai growe \& cheve, As Marcial saithe, if a tender tree Me kitte atte footes tweyne, and thenne it cleve Unto the roote, and with an yron se
236 The mary raised oute, and closed be Hit sone ayenie; and binde it, wrappe in dounge His heede and either half the slitte in longe.

## 35.

And in oon yere uppe heleth it atte ones.
240 Thenne in it doo graffes that never bere, Therof wol be chires withouten stoones. And that the trunkes roteth if thou here Humoure ytake out of hem it to pere, ${ }^{1}$
244 By grounde into the stocke it is to bore. Of auntes harme a crafte is eke therfore.

If they are grafted in the trunk, the down must be picked off; otherwise it will ruin the graft. In all gummy trees grafting must take place when there is little or no gum.

Graft cherries on planes, cherries, or poplars, or plums. They delight in deep holes, much space, and frequent digging. Cut them if they are decayed, dry, or too thick. Dung injures them.

Cherries will grow without stones if you cut a young tree at two feet, cleave it to the root, and see the marrow scraped out with an iron. Close it again, and wrap in dung the head and the two halves along the slit.

In one year it heals. Graft on it shoots that havenever borne, and cherries without stones will grow on it. If the trunk rots, and moisture flows out of it, you must bore a hole in the stock.

[^88]36.

Against ants sprinkle on the tree the juice of purslain mixed with vinegar, or winedregs will drive them thence, when the tree flowers; and if the dogstar make them faint and cheerless, pour on their roots at eve a pint of water taken from each of three wells.

But it must not be done by moonlight. Or the herb, called Sym. phoriac, is twisted like a crown round the trunk; or make a bed of it near the root. Take cherries sundried when they begin to wrinkle. Plant apples.

Held on the tree the juce of Portulake Half aisel mixt, and forth thai goth yfere. 248 Or wyne dregges wol make hem thens slake As floures gynne; and if Canyculere So make hem faynt, hoote, \& of drury chere, A sester take atte iche of welles three, 252 And on thaire rootes atte eve it poured se. 37.

But let not Echate ${ }^{1}$ this crafte espie. Outher an herbe is, clept symphoriake, Ylike a crowne aboute her bodie plie;
256 Or nygh the roote a couche of it thou make. And chiries in the sonne ydried take And kepe as thay begynne in ryvullyng. ${ }^{2}$ This moone also the male is sette to sprynge.

$$
38 .
$$

260 The male is sette in landes hoote \& drie.

The bees are again to be de. prived of their honey, if they are rich; otherwise, leave the half their goods; if poor it is wicked to rob them. Attend to what is to be said of wine.

The apple is soil; quince and service-tree on the lst of November, and almonds. Pine is also to be sown, and fruits to be kept for preserves, as has already been taught of each.

At Norember kalendes quynce ane serve ${ }^{3}$
In semynaire is sette to multiplie. And of the same an almandtree thay serve. ${ }^{4}$
264 Nowe pyne is sowe, and pomes forto observe
In condiment is nowe to make afore, Of iche of hem as erst is taught the lore.
39.

Castracion the been have efte this moone,

[^89]$t$In condiment is nowe to make afore,Of iche of hem as erst is taught the lore.

## De apibus castrandis.

De apibus castrandis. 268 As said is erst, if thai be riche, and elles To leve hem halfe thaire goodes is to doone, And if povert appere in thaire celles, That robbeth hem wel worthi go to hell is.
272 Hony and wex as erst is nowe to make. What shal be saide of wyne is tente to take.

## De vinis pomorum.

40. 

That I have redde, and Greekes in thaire faith Afferme I thinke it here to you declare.
276 This difference in wine thaire writyng saith
Ther is, that swettest wynes hevy are,
The white a partie salt is not to spare, The bledder helpeth it, the yolgh coloured
280 Digestion is greetly by socured.
41.

The stiptik white a stomake that is laxe Wol helppe enducing coloure that is pale And lesse of bloode in man therof wol waxe;
284 From grapes blake a mighty wyne wol hale;
And swete of rede; and swettest from the smale;
And fro the white is drawe a commune wyne, But condyment is thus to make it fyne.
42.

288 The must decocte to his medietee
Or thridde parte thay caste to thaire wyne.
But Grekes have an other subtiltee :
Of see quyete up taketh thai maryne
292 Water purest, oon yere thai lete it fyne,
Wherof thai sayen so maade is the nature, Of bitternesse or salt that it is sure.
43.

This age alle ille odoure eschaungeth sweete.
296 The virth part therof in must thay doo; The vth part of gipse is therto meete. And after dayes three thai gothe therto, And mightily thai route it to and fro.

Grecks say that sweet wines are heavy ; white saltish wine is good for the bladder; by yellow wine digestion is assisted.

A white styptic helps laxity, inducing paleness and making little blood. Black grapes make a strong wine, red a sweet. Common wine is from white grapes.

To flavour wine, the Greeks add to it must boiled down to a half or third. Another contrivance is to take clean water from the sea when quiet, and let it fine for a year. They say it is thus free from salt and bitterness.

Its 8 th (qu. 80th) part they mix with must, and a 5th (qu. 50th) of gypsum. After three days stir it well, and it will keep long and be brilliant.
300 Thus dight, thay sayen that longe thai wol endure, And in coloure be resplendent \& pure.
44.

Every nine days it should be stirred, especially in a late vintage. Frequent observation will teach what to keep and what to send away. Some plunge three oz. of resin into the barrel to make it keep.

Iche daies ix a wyne is to be moered, And namely when ther is a latte vyndage. 304 By seyng ofte is what to hold ypreved And what is goode to send on pilgramage. Of resyne drie and stamped sumen gage Three unces into a tonne, and alto meve 308 It , and it shal endure, as thay byleve.

## 45.

They know by tasting, whether the must has been damaged by rain, and they boil away the 20 th part, and 312 Is first of gipse on hundreth quantite cure it with 100th part of sypsum.

The must that is byrayned thus thai cure : ${ }^{1}$
By taste thay wite yf it berayned be, The xx part away to boile, her cure ${ }^{2}$
312 Is first of gipse an hundreth quantitee Doon with ; and other wol it boiled se

Until the ${ }^{\text {the }}$ parte of it consume,
And after yeres imi in use assume.
46.

Sour
made
mines
sweet
by 316 Of wynes soure is taught to make sweet two cyathi of barley meal, left in one hour ; and some add dregs of sweet wine, or dry liquorice, and use it after it has been long shaken.

With barly floure, and not but cruses ${ }^{3}$ two, As for a smalle vessel so moche is meete, An houre into the wyne let it be doo. 320 And oon doth dregge of swete wyne therto. Of glizicide a parte he hath infuse All drie, and longe yshogged it wol use.
47.

In a rew days And best odour hath wyne in dayes lite, wine acquires bestodourifmyr. 324 The bay of myrte agrest mountaine and drie tle-berries dried and ground, or pounded, are allowed to sink in the barrel for ten days; or keep sweet flowers dried in the shade.

And into a wyne barel downe let hem sie, ${ }^{4}$ And after dayes $x$ theroute of trie. 28 Or floures sweete of vyne or other tree

In umber dried may reserved be.

[^90]48.

But bray hem smal, \& presse hem in a newe
Vessel, and whenne thou wilt, on kades thre
332 Of wyne a certayne of this floures snewe,
And closed fast uppon the vessel se ;
At dayes vi ydroken may it be.
And forto make a wyne to drynke swete
336 Of saturege or fenel putte in meete.
49.

Other the fruyte of pynes nuttes two
Wol bake, and in a cloothe into the wyne
Vessel let honge, and cleme it wol therto.
340 Atte dayes v yserved this wyne is.
To other crafte an ere eke to enclyne is:
Howe vynes yonge as olde shal appere :
Who liketh have that crafte may lerne it here,-

$$
50
$$

344 The soure Almaunde, \& wermode, \& feyn greeke, Frote hem yfere asmoche as wol suffice, The gumme of fructifying pynes eke, And bray alle aswel as thou canst devyse.
348 A cruce into a stene of wyne devise : Confected thus ther wol be wynes greet. Lest thay enfecte is forther nowe to trete :

## 51.

Tak aloen \& murre \& magma with
352 Saffron, of iche iliche, and thus demene With brajyng whenne thay made to pouder beth Let mynge hem with an hony that is clene, A cruse of this nowe putte in a wyne stene;
356 And save thay are ; and wynes of oon yere
Rub together
sour almonds, wormwood, and fengreek, and the gum of fruitbearing pine. Put a cruse of it into a stone of wine: thus they will be made

And pound them small and sprinkle a certain quantity of them on three casks of wine, and close them for six days, or putin a sufficient quantity of savoury or fennel.

Others bake the fruit of two pinenuts and let them hang in a cloth in the vine-vessel, and plaster it well over. Give ear to another method how to make young vines appear old.
great wines.

Take equally of aloes, myrrh, saffron-dregs, and when they are pounded to a powder, mix them with pure honey, put a cupful into a stone of wine, and it will make new wine appear old.

## 52.

One ounce of meliot, three of liquorice, three of Celtic nard, stamp them small with two ounces of hepatic aloes, put into a vessel in the smoke, will make wine appear ancient With aloes tweyne unces epatike; Let vessel it, and set it uppe in smyke. ${ }^{1}$ Sex spoonful putte in $v$ sester wyne
364 Wol make it auntceaunt appere and fyne.

## 53.

Bean-mash changes dark wine to white; or the white of three eggs; or a mash of African beans.

Let stampe hem also smal as may betyde,

The wynes browne eschaungeth into white Yf that me putte in it lomente ${ }^{2}$ of bene. To putte also in oon galon the white 368 Of eyron III, and shake it in his stene,

An unce of melion, of gliciride
Thre unce, and take asmoche of narde Celtike: The next day al white it wol be clene. Of Afre ${ }^{3}$ pese if thou do to loment, The same day it serveth thyne entent.
54.

If one burns a rine, black or white, and casts it into wine, it will take the same colour. Into a tun of wine put a strike of this burnt vine for three days.

372 The vyne also thai sayen hath that nature, That vynes yf me brenne, or white or blake, And kest hem into wyne, me may be sure The wyne coloure after the vynes take, 376 For white of white, and broune of browne, shal wake. But therof into a tonne a strike donne be, That is $x$ stene, and there be dayes three,
55.

Close it and let it remain forty days. To make a mild winestrong, boil the leaf, root, or stalk of wild mallow, and cast it in the wine.

So close it, xu dayes let it rest.
380 An esy wyne a man to make stronge, Take leef, or roote, or caule of malowe ${ }^{4}$ agrest, And boyle it, kest it so thyne wyne amonge. Or gipse, or askes twey cotuls no wronge
384 Thi wynes doth, III piluls of cupresse
Or leef of boxe an handful thereto gesse.
${ }^{1}$ fumo. ${ }^{2}$ lomentum. $\quad{ }^{3}$ Afra. $\quad{ }^{4}$ altheæ.
56.

Or ache seede, \& askes of sarment Wherof the flaume hath lefte a core exile, 388 The body so, not alle the bones, brent;Also a man may in oon dayes while So trete a stordy wyne that it shal smyle, And of a rough drinker be clere and best.
392 Now se the crafte is easy and honest.

## 57.

Take pepur cornes $x$ and twye as fele
Pistacies, hem with a quantitee
Of wyne to stampe as smal as thou may dele,
396 And to vi sester wyne comyxt it be,
And route of so that thay togeder fle.
Nowe let hem rest, and clense hem, and to use
Hem right anoone ther wol noo man refuse.
58.

400 A trouble ${ }^{1}$ wyne anoon a man may pure:
Seven curnels of a pyne appul do
In oon sester of wyne that is ympure,
And travaile it a tyme to and fro,
404 And after suffre it to rest (to) go,
Anoon it wol receyve a puritee :
So clensed thenne \& used may it be.

$$
59
$$

Cretenses were ytaught of Apollo,
408 As it is saide, of aloes epatik
Foure unces, and of squinuant therto
Asmoche, and oon unce of fynest mastic, Fyne mirre an unce, and of the piste Indik
412 But half an unce, an unce of mascul thure Wel smellyng, and an unce of pepur dure, -

Or ${ }^{-}$parsley-seed, or ashes of burnt vine-cuttings from which the flame has taken body and strength : and in one day a strong and rough wine may be made light and clear.

Mix ten peppercorns and twice asmany pistachio nuts stamped as small as possible with six pints of wine, and shake well together.

A muddy wine is made clear by putting seven kernels of pineapple into a pint, and working it well.

Four oz. of hepatic aloes, four ox. of sweet rush, one oz. of pine mastick, one oz. of fine myrrh, half-oz. of Indian spikenard, one oz. of sweet male frankincense, and one oz. of hard pepper :

[^91]Beat small and strain, and when your must boils skim off the top carefully. Take gypsum and pulverize it by stamping; strain it and add three Italian pints to ten stones (amphoræ) of this wine thus skimmed.

But first bring a quarter of this wineinto another vessel; then add the gypsum to it and stir it with a fresh green reed; on the third day let four spoonfuls of this powder be added to ten stones of the wine;

Bete all this smal, and sarce it smothe atte alle.
And whenne the must boileth scome of the grape
416 That wol rise and be superficialle,
So take hem that nought oon of hem escape.
Take gipse and it with stamping al to frape
Sarce it, thre sexster Ytalike be do
420 To stenes x of wyne yscommed so.
61.

But first this wyne forsaide the fourthe part
Into sum other vessel is to brynge,
Therto this gipse is after to departe,
424 And with a reede all greene of fressh growinge
Two dayes in his turne it alto flynge, The thridde day of this wyne in $x$ stene Let spoones foure of this powder demene;
62.

Then let the fourth that was taken out be added to fill up the cask; stir it till the spices be mixed with the must. Stop it up, leaving only a little breathinghole to allay their boiling heats.

428 Thenne unto it the fourthe parte be doo
That fro was take, and so fille up the tonne, And move it long tyme to and froo Til alle this spice amonge this must be ronne. 432 So stoppe it uppe all save from wynde or sonne, Yit leve a litel hool oute atte to brethe

Thaire heetes estuant forto alethe
63.

Close up this spiracle in forty days, and drink when you like. A naked boy is best to move it. Ashes of vinecuttings are the best plaster for the casks.

And after xu dayes this spiracle
436 Is uppe to close, and whenne the list, it drinke. The taste therof wol fare as a miracle. But whenne wyne is to move, uppon this thinke, A naked childe may best uppon it swyuke,
440 Or oon as pure as he. In lynyment
For tonnes best dothe askes of sarment.
64.

Goode stomak wyne and counter pestilence Thus make: of fynest must in oon me trete, ${ }^{1}$
444 Or it be atte the state of his ferrence, VIII unce of grounden wermode in a shete Dependaunt honge, and $\mathrm{XL}^{\text {ti }}$ dayes swete; Thenne oute it take; in lomes smaller hent 448 This must, and use it as wyne pestilent.

## 65.

Nowe thai condite her must egestion That wol with gipse her wynes medicyne. In light smal wyne withouten question 452 Two sester gipse ynough is to reclyne, An hundreth conge wyne to that assigne. And yf the wyne be sadde and mighty rounde, Therto shal oon sester of gipse abounde.

> De rosato sine rosa faciendo.
66.

456 Nowe is rosate ymade withouten rose: Take leves green ynough of Citur tree And in a palmy basket hem dispose, And into must that yit not fervent be 460 Depose, and close or faste it closed se. This taken oute atte xu dayes ende Kest hony to, and as Rosate it spende.

De vinis pomorum; de ynomelle. 67.

Now everie wyne of pomes is to make 464 As crafte is taught before, iche in his moone. Of greet and noble vynes nowe let take Of must asmoche as semeth the to doone. Atte $x^{t i}$ dayes ende it (is?) not to soone.
468 Oute of the pitte after that it is do, The $v^{\text {the }}$ part of hony rough putte to.

[^92]For a stomachic wine against pestilence: in a metrete (or kilderkin) of fine must, ere it boil, suspend eight oz. of pounded wormwood in a linen bag (or sheet), and let it stew there forty days; then take it out, and place this must in smaller vessels.

Those who medicate their wine with gypsum, flavour it now, after the must has settled. In light wines two pints of gypsum are enough for 100 congii, or gallons; in strong wines one.

To make rosewine without roses, pat citronleaves into a palm - basket; throw them into must not yet boiling ; close, and after forty days add honey.

Every kind of apple-wine is made now. Take as much must of large vines as you think fit twenty days after it has been lifted from the vat, add the fifth part of honey.
68.

Not scummed fine, stirred till it become white; see it stirred well with a green reed for forty days, or rather fifty, covered all the while with a cloth; then take up with clean hands all the froth.

Not scomed fyne, wel stamped must it be Until it white, and moeve it mightily 472 With reede algrene, and xu dayes se, Or better l, doon contynuelly; Aye with a shete, ycoverted clenly; After this tyme in handes clene uphent 476 Alle that wol swymme and be superfluent. 69.

So gipse it uppe, and kepe it for thyne age;
But bette is kepte in pitched loomes smale, And next atte veer let gipse hem, and forth gage,
480 And in a celle or colde erthe hem avale, In floode gravel, or ther thay stonde a dale
Do make, and drenche hem therin: til worldes longe
This drinkes wol abyde, and aye be stronge.

$$
\left(D_{e}\right) \text { defructo, careno, \& sapa. }
$$

70. 

Three sorts of 484 Defrut, carene, \& sape in oon manere wine, viz. defrutum, carenum, and sapa, are made in the same manner. In the first the must is boiled till it thicken. In the second one part out of three is boiled away; in the other onethird alone remains. Mix . quinces with sapa, and make the fire of figtree.

Raisin wine is thus made in Africa before vintage : they put a large quantity of raisins into fine rush baskets, beat them with sticks until they blend with the grapes, and then press them.

Of must is made. Defrut of deferryng
Til thicke; carene is boyled nere From three til two; but sape unto oon lette brynge
488 Fro three; and alle this crafte mys but boylinge.
But sape is best if quynces therwith be
Decocte, and alle the fier made of figtree.
De passo.
71.

Now passe is made, that Affrike useth make,
492 Afore vyndage; and thus this crafte thai trete.
A multitude of reysons puld thay take And into risshy frayels rare hem gete, And mightely with yerdes first hem bete
496 Until this with the grapes so desolve, And thenne hem to the presses thay devolve.
72.

Ther pressed oute is all that oute wol passe, ${ }^{1}$
And under kept into sum vessel clene,
500 And this licoure Affrikes calleth passe. ${ }^{2}$
As hony me may kepe it in a stene, In stede of whome in metes it demene.

When pressed keep it in a jar like hone, instead of which you may use it as a sauce, and it will preserve you from flatulence.

Cut quinces very small, throw away the core, boil it in honey till reduced to one-half and mix ground pepper with it.

Or take two pints of quince and one and a half of vinegar, two of honey; mix till it be all as thick as honey. In this pour two oz. of pepper and ginger ground to powder.

To pouder smal is therto forto infounde.
De fermento mustorum servando.
75.

A galon muste from under feet do to
520 A strike floure of newe wheete, and it let drie In sonne, and weete it oft \& drie it do
Yit efte; the same in smallest loues plie And drie it harde in sonne; in pottes trie
524 Now gipse it fast; and use this ferment For musty brede, whom this wol condyment.

[^93]Add to a gallon of must that has been trodden down, a strike of new wheat flour, dry it in the sun, wet it and dry it again: then roll it into small lumps and dry it in the sun, and plaster it up in pots to make new bread whenever you require

## De urâ passâ Graciâ condiendâ.

 76To make Greek raisins, where the grapes hang good and sweet, they twist the stalks and let them dry in the sun, and afterwards suspend them in the shade, whilst they prepare vessels for them.

Underneath they place vine-leaves and press down. and add more leaves, and keep them in a dry cold place where there is no smoke. The hours of October agree in feet with those of March.

The reison greek in this maner thai make : Thai se where hongeth grapes goode \& swete
528 The stortes softe in handes wol thai take And writhe hem, and so writhen wol thai lete Hem honge and drie awhile in sonnes hete, And after hem in shadowe thai suspende
532 Her vessel while in dightyng thai contende.
77.

The leaf of vyne all drie and chillyng colde
Under thai do, and therin grapes presse, And with thaire handes fast adoon hem folde,
536 So fille it uppe, and therto leves dresse,
In drie and colde, ther smoke is noon expresse,
Hem kepeth thai. This October upborn
With feet is as in Marche is saide beforne.

## De Horis Octobris

78. 

The length of the 540 The first and last houre xxv even, hours in October.

Preface to November.

And next the first \& last houre is xv , The thridde houre from the first and last xi Hath, and the fourthe houre vim is to sustene.
544 Next noone on either side on vi demene, And noone himself stont short on footes v . And whi? For Phœbus so short made him thrive.

## Laus Deo, \& continuacio librorum.

October spende, 0 sonne, 0 light superne, 5480 tryne and oon, lovyng, honoure, empire, Withouten ende unto thi might eterne, That shyne and goon aspire
Magre thi foon so list iche houre and gire
552 His spere aright, that savyng
Sterre is ther noone in alle oure emyspire:
Under whoos sight I gynne on November.

## NOVEMBER.

## BOOK THE TWELFTH.

De satione tritici, farris, ordei, fabre et lenticulce. 1.

Novembre wol with whete \& far be sowe In lawful wise and with solempnitee. V strike upon oon acre is to strowe.
4 With barly wol this moone eke sowen be, And benes unto greet felicitee. Right fatte or dounged lande thai loveth best, Or valey ther hilles fattenesse hath rest.

## 2.

8 And clodde hem large, as wel thai may be wrie.
Eke sumen sayen the benes sation
In places colde is best to fructifie, On hem if me doo noon occacion :
12 For cloddes wol thaire germinacion Obumbre from the colde and wol defende. Thei peireth lande, but lite \& nought amende.

## 3.

For Columelle affermeth that a felde
16 For whete is rather proved profitable That bare is, thenne the felde ther benes yeld Hath been; and for an a(n)cre fatte is hable Sex strike to sowe, and lesse is aboundable
20 In mene lande; but sadde lande wol the bene In dwelle, and hateth nebulose and lene.

In November sow wheat of two sorts in the accustomed manner, five strikes to an acre: barley also and beansin manured lands or valleys in which the moisture from the hills rests.

Cover them with large clods. Some say that in sowing beans in a cold place they thrive best if no harrowing is done upon them at all. They (who do harrow) impair the land.

Columella says a field is better for wheat that has been left fallow than one wbich has produced beans; and that we may sow six strikes to an acre of rich land; less in mediocre land: but the bean likes strong land.

Sow them on the 15th of the moon before sunrise ; others say the 14th is better. The Greeks, who know, say that to sprinkle them with capon's blood preserves them from weeds. Steeped two days they grow quickly. It is the custom now to sow flax and pulse.

Make up themeadows and plant young vines, and hasten to dig round them, and cover those that are bare, before the Ides, and the layer at three years old may be cut from the vine.

Trim the roots of strong trailing vines, and cut them at less than five feet altogether from the ground.

Where the rind is greenest puncture with the point of a sharp iron : for according to Columella, matter to repair the vine will thencegerminate in spring.
4.

And whenne the moone is dayes olde xv And so not repercusse as of the sonne
24 Sowe hem; but other sayen bette is xirr.
From wedes thai with capon bloode beronne Beth save, as Grekes sayen, that thei on konne, Two dayes stept anoon thai wol aryse. 28 Nowe lyne and puls is sowe as is the gise.

## De pratis \& de vitibus.

 5.Nowe mede is first to make, as saide is erst; Nowe vynes sette in places hoote and drie; Nowe also to provyne is not the werst.
32 Younge vyne and plauntes umbydelvyng hie, And also hem that naked beth let wrie. Eke er then Ide. Iche merges curvature Of mir yere old kitte from the roote is sure.

De vineâ vetere in jugo vel pergulâ reparandâ.
6.

36 From hensforth the vynes that ferre traile On perches or forkes and over longe An encombraunce are and of nought availe. Beholde hem if thaire trunnke be hool \& stronge,
40 Ablaqueate hem, feede hem fatte with donnge, And kitte hem shortte over the londe not $\mathbf{v}$ Feet longe allyng, and thus make hem to thryve.

## 7.

There as the grenest place is of the rynde
44 The sharppest yren take, and with the pointe
On either side, afore also behinde
So goodly by and by, it is to pointe.
For Columelle affermeth in that jointe
48 To germyne, and in veer theroute to stare
Mater thi vyne alle newely to repare.

De putandis vitibus \& arboribus, ac oleo faciendo.
8.

Putacioun autumnal celebrate
Autumn pruning
Is nowe in vyne \& tree ther nys noo colde.
52 Olyve is pulde of coloure variate. where it is not cold. Olive is picked when it is parti-coloured; when it is black, make oil. Best to cut off the tops and leavethe side branches.
56 The bowes profluent for fruyte to abyde.

## 9.

But where is lande unkept \& insolent, Take from the trunncke al clene until so hie As beestes may by noon experiment 60 Attayne, and there let bowes multiplie, And afterlonge on every side hem plie Salutyng ${ }^{1}$ est \& west, \& north \& south; Yit alway warre the touche of beestes mouth.

## De olivetis ponendis \& curandis.

$$
10 .
$$

64 The olyve is nowe there lande is hoote \& drie Ysette, as erst is saide. Wel wot this tree Encre in litel moiste and places hie. Wel froted wolde he fatte ydonnged be,

Plant olives in hot dry land. It will increase if well rubbed and manured, and agitated by fruitful winds.

68 And wagged with wynde of feracitee. And cure hem as beforne. Nowe baskettes (corbes) fyne Beth made ; in tempre lande eke oil lauryne.

De Allio, Ulpico Cep(ul)lis, \& plantis carduorum. 11.

This Moone Ulpike \& Garlic is to sowe.
72 White erthe it wol dolvon withouten donnge. Make reedes in the borde, and ther bestowe Hem in the toppe atwene in brede \& longe Fyngers but imir ; eke deepe sette is their wronge;
76 And weede hem wel, so wol thai wex(en) fele. But forto hede hem greet trede downe the stele.

[^94]For African and common garlic prepare well-dug white earth without dung. Make trenches in the borders, and place in the highest parts four inches apart, not too deep. To have great heads tread down the stalk.

## 12.

They say that if they are sown andalso gathered when the moon is down,they will have no strong smell. Now sow onions, teasle, marjoram, and horse-radish.

Where it is hot plant peachstones in wellprepared ground two feet asunder. Transplant them when sprung. Plant them with the point of the stone downward.

So shal the juce into thaire hedes goo. And whenne the moone is downe also thai telle
80 Hem if me sowe, and pulle hem uppe also, Of crueltee noo thing wol in hem smelle. In chaf or smoke ykept wel wol thai dwelle. Nowe onyons sowe, and tasul in his place
84 Lette plaunte ; and cunel sowe, eke Armarace.
De persico, pinu, prunis, castaneis, et aliis pomis. 13.

Nowe ther is hoote, and elles in Janyveer, The peches boon in pastyn is to sette. To sounder hem two footes best it weer.
88 The plauntes spronge into other places fette;
And sette hem deepe III or II handes mette;
But pitche adowne the pointe intort.the grounde.
An other crafte yit other folk have founde.

## 14.

Others dry the peach - stones, mix with ashes and keep in baskets. I say keep them as you please, they will grow anywhere, But they last longer

92 The boones to be sette first wol thai drie A dayes fewe, and thenne in askes moolde Thay mynge, and it thai into skeppes trie; In this thaire dried boones wol thai holde. 96 I say that men myght kepe hem as thai wolde, And everywhere also saye I thai sprynge. Yit sum place hath best \& lengest durynge,

## 15.

Ther warme ayer is \& gravel landes weete;
in warm air and wet gravel; cold winds will kill them. Dig often and pull out weeds, transplantat two years in short trenches close together.

100 For ther is colde and wyndy thai wol die Yf noo defense awai the coldes bete. And delve hem ofte, eke herbes bitter trie. Transplaunte hem two yere olde to multiplie 104 In delves shortte, and nygh ichoon til other, That from the strom of hete iche help his brother.
16.

Ablaquiatyng hem in $\mathrm{h}(\mathrm{ar})$ vest hie, Here oon foiles yeve hem as for donnge;
108 And kytte of every roton thinge or drie. For grene yf that me kytte of, that is wronge, That sleeth hem uppe; eke seek if thai be longe Wynedregges olde in water let infounde ;
112 Yeve hem this drinke, anoon thai wol be sounde.

## 17.

The Greekes sayen that Peches me may make Ywriten growe, yf that me first hem sette And after dayes vir up hem take.
116 By thenne oute wol a spronke of hem be lette Upon the shelle, and oute the curnel fette, And write oute whate the list with cynabare. To close anoon the boon thereon do care.

## 18.

120 Thaire kyndes beth, oon is peche Armenye, Precox is next, the thridde is duracyne. But if this tree to sore in sonne drie Hepe erthe aboute and humoure vespertyne,
124 Eke thing object the fervoure of declyne.
A serpent skynne doon on this tree men lete Avaylant be to save it in greet hete.

## 19.

For frostes nowe do donnge aboute a peche,
128 Or water, mixt wynedregges, or the best Of benes boyled water may be leche To sle the frost; and if wormes unrest Hem, aske, oildregges mixt, on hem be kest,
132 Or oxe talgh with the thridde parte aisel, Her either cast on hem wol slee hem wel.

Trim the roots in autumn and give them their own leaves for dung. It slays them if we cut off green shoots. If they are sick, old wine - dregs in water will oure them.

Peaches grow with an inscription on them, if taken up seven days after planting, when the shell breaks. Take out the kernel and write what you like with vermilion, and earefully cover up the peach-stone.

Their sorts are the Armenian, the Precox, and the cling-stone. If the tree be too sorely sun-dried, heap earth about it. Let anything placed as a protection ward off the heat. Men think a serpent's skin avails to save it.

Against frost use dung or water mixt with oildregs, or boiled bean-water as Doctor; if worms disturb, ashes mixt with oildregs or beef fat, with one-third vinegar, - either of these will kill them.
20.

If the fruit fall off, drive a pin of fir or birch into the root or trunk; or if it threaten to rot, it is useful to bore a hole in the middle, and put in a willow stake.

Cut the rind low down, and when the sap flows, bind the wound with clay and chaff : and when they flower wet them with goat's milk whilst the sun is thrice going round his course.

The fruite caduke is goodly thus to cure : Of terebynte or briche into the roote 136 Or truncke indryve a pynne, and it is sure For fallyng fruyte ; or holdyng forth to rote The myddel into bore also is boote, And putte a saly stake in it with crafte;
140 Fro rotyng and ryving thay be berafte.
21.

Lowe on the truncke as wounde him in the rynde, A lite humoure whenne oute of it is ronne, With chaved cley the wounde ayein to bynde.
144 And whenne thaire flouring time is so begonne, While thrie aboute his course gireth the sonne, With sestres thre of gootes mylke hem wete, And ther wol be the peches swete \& greete.
22.

Hang Spanish broom from their boughs, or tie it to them. Graft according to their kind, in cold land in January, in hot land November, and take the grafts low.

148 Upon thaire bowes Spartea to honge Is goode for hem, or sparte until hem bynde. In Janyveer or Feveryere no wronge Is graffyng hem, but cordyng to thaire kynde 152 If land be colde; and hoote land if thai fynde In November: but take thaire graffes lowe And nygh the storcke, for gladdest wol thai growe.
23.

The tops do not take, or do not last. Graft the Armenian and Precox on the palm, the clingstone on almond. Inoculate in April or May where land is hot.

The toppes taketh not, or nought endure.
156 Graffe in him self, or plumme, or Almandtree, But Armenye and Precoqua beth sure
In plumme, in Almaunt Duricynes be
Lengest to growe in moost fertilitee,
160 Aprille and May hem wol enoculaire
Ther as the lande is hoote in places faire.
24.

Italiene enoculacion
In thende of May or nygh ther Juyn begynne
164 In peches saien goode occupacion.
Emplasturing (and) of hem eke is no synne, And rede oute of the plane ygraffed wynne. The Duracyne is kept in oxymelle
168 With dregges myxt wel for to taste and smelle.

$$
25
$$

The bones oute, as figges summen drie
Hem and suspende; eke I have seen, the bonys Detracte of Duracyne, in hony trie
172 So kept that gladder tasting never noon is, Hoote pitche a droppe if into iche ( $n$ ) avel ${ }^{1}$ goone is ; That so thai be coart (coact?) to swymme in sape, Enclude hem, and alle harme thai shal escape.

## 26.

176 Thai sayen the pyne ${ }^{2}$ unto all thing under sowe Is commodious, and his sowing is thus: His kurnels wol in hoote \& drier growe In October, or November not mys,
180 In Feveryere or Marche ther colde weet is. In smal lande nygh the see, amonge the hillys And stones, wide and fresshe this tree at wille is.
27.

In wyndy moiste encreseth thai right greet.
184 But with this tree what grounde ever shal growe, As is for other treen is not to trete.
But plowe it, whete on it as me wolde sowe, And right as wheet in it the seedes strowe;

They grow large in windy places. But whatever the ground, it is not to be treated like that for other trees, but plough it as if wheat were to be sown in it.

188 And wrie it light, an handbrede it descende, And let noo beste his tender youthe offende.

[^95]The stones being taken out, some dry peaches like figs. I have seen Cling-stone peaches, after the stones were removed, kept in honey, so that none were of better taste, if a drop of pitch be poured in the navel.

The Pine does good to every thing sown under it. Plant in October or November in dry land; in February or March where wet. It delights in fine land amid hills and stones.

Italian inoculation in May or beginning of June bespeaks good occupation: plastering them is also right. Grafted on the plane-tree they come out red.
28.

Steeping the kernels three days in water helps to make them grow large; transplanting makes them mild. Place the seed under ground in baskets with mould.

Three daies wattering up helpeth eke
To greet encrece, and his translacion
192 The pynes fruyte wol easy make \& meke.
Eke plauntes have this procuracion
Unto thaire greet multiplicacion:
That first is doone the seede with moolde \& dounge
196 In skeppes under lande to rere up yonge.
29.

Whenne thai come up the smallest fro thai do
So that the saddest faster may ascende :
Atte III yere olde, this skeppes broken fro,
200 In delves large adowne shal thai descende.
And dounge asmoche as moolde aboute hem spende; •.
A flake of this, a flake of that thai make,
So hath a kake of moolde of dounge a kake.
30.

See that the toproot, one and straight, be removed whole to its extremity. Cutting helps them to flourish, so that we shall see them grow twice as high as we expect.

204 But see wel that the chief roote oon directe
Be hool translate unto his summyte
Withouten hurte and in no wise enfecte. Putacion so helpeth hem to thee
208 That two so high ascende hem shal me se
As me wol wene; and thaire nuttes abide Wol on the tree, and ripe until this tide.

$$
31 .
$$

Pull them before they split asunder. Plum-stones steeped grow more cheerily.

But pulle hem rather then thai flete atwynne.
212 Thaire nuttes must be clensed forto kepe. Newe erthen pottes summen kepe hem ynne, So thai in erthe \& with thaire shelles slepe. Nowe plommes boon to sowe is two hande depe
216 In lande subact; the same in Feveryere.
First stept in lye up goth with gladder chere.
32.

His plaunte is sette uptake in Janyveer
As from the codde, and nygh the moones ende.
220 Or plaunte hem nygh the Ide of Feveryeer.
The rootes wel in donnging umbywende.
In fatte lande moist thay joyfulliche ascende.
And ther is warme eke hugely thai bold,
224 Yit not for thi thay may endure in colde.

## 33.

Ther cleyi landes are \& lapidose, With dounge is goode to help hem \& excuse Lest thaire fruite falle and be vermyculose.
228 The plauntes from the rootes eke refuse
Not up to pulle; eke plauntes faire excuse
To stande unpuld, that thai be not to seke. ${ }^{1}$
And hele in this maner thi prunes seek : ${ }^{2}$
34.

232 Oildregges water tempered evenly
Let kest on hem, or oxe uryne alone,
Or olde bryne admixt unevenly
With water parties two, or of an oones
236 Askes, and rathest of sarment be doone
On hem, and if caduk thaire fruites be
Dryve in the roote of Oliastre tree.
35.

Rubrik and taar ${ }^{4}$ wormes \& anntes sleth;
240 Doon esy on for harmyng of the tree, Lest medicyne eschaunge into the deth. Ydolven ofte and wet holpen thai be. Thai graffed are in Marche extremyte 244 In truncke or rynde; hem graffeth also summe

- In Janyveer er thenne thay wepe gumme.

Cast on them oil-dregs mixt equally with water, or old brine with two parts water, or ashes from an oven, and especially loppings.

Red ochre and tar kill worms; put on lightly, not to harm the tree. Some graft in January before they weep gum.

[^96]36.

Plums are grafted on almonds, plums, apples, and peaches. Some dry them on hurdles, and gather selected ones in sea water or boiling dregs, and dry them in the sun or lukewarm oven.

$$
37 .
$$

The chestnut will grow from self-sown plants, or from seed. In two years it will be sick. Choose out good strong ones.

$$
\begin{aligned}
& \text { In Almaunt, in himself, in male, in peche, } \\
& \text { Ys graffed plumme; and plommes summen drie, } \\
& 248 \text { And hem on flegkes kepe; and other teehe } \\
& \text { Whenne see water or dregges boiling frie } \\
& \text { The plommes fresshe collect ther into trie. } \\
& \text { Hem taken uppe so drieth thai in sonne, } \\
& 252 \text { Or in an oven luke, and thai beth wonne }
\end{aligned}
$$

Chasten ${ }^{1}$ wol uppe of plauntes that alone Upgrowe, or of his seedes multiplie. The plaunte in yeres two wol gynne grone
256 For seke, and peraventure he wol die. Freshe, ripe, and grete of hem to sette oute trie.
In November hem sette, and up thai crepe.
And thus to sowe in Feveryere hem kepe.

## 38.

Dry them in 260 Drie hem in shade, and hem togeder hepe, With floode gravel let diligence hem wrie, And xxx dayes under that hem kepe: Thenne, doone of that, hem into water trie.
264 Ther swymmeth seeke; and hool adowne wol hie.
Ayaine the goode under gravel be do,
And tried efte and thries preve hem so.

$$
39 .
$$

You may plant them quite securely. Some keep them in gravel; but they do not like sandy land. Black earth is suitable, and carbuncle, and ragstone well broken. heaps and cover with river sand for twenty days. When that is done place them in water, where the sick swim, and the healthy sink. Again put the good ones under gravel, and try them thus three times.

Hem that remain al sekur maist thou sowe.
268 Sumen in gravel hem closeth, and so kepe.
In lande solute and softe uppe wol thai growe But as of gravel lande no thing thai kepe. ${ }^{2}$ In sandy lande thai stande if that it wepe 272 Black erthe is apte, and londe carbunculyne, And ragstoon all to rapte is for hem digne.
40.

Thai growe unneth in sadde lande or rubrike, And for noothing the cley thai may not use, 276 The colde estate of heven wele thai like.

Aparty warme also thai not refuse, Nor clyves ther humoure is not excluse. Thai loveth derk septentrion beholde, 280 And best in pastynated lande thai holde.

## 41.

Pastyne it deep a foote and half, or plowe It by and by, and wel with dounge it fede, And therin do thi chastens forto growe 284 A foote depe the crafte is hem to seede. Sette uppe a stick upon hem the to lede.
And sette in everie stede or III or v ;
But footes IV asonder hem to thryve.

## 42.

288 Transplantyng hem is best atte yeres two.
So gutteryng the water from hem shelve;
If water stande on hem thai beth fordo.
Also this tree may pleched be him selve.
292 Eke besily the yonge it is to delve.
In Marche and September putacion
To chastens is incrementacion.
43.

Thai graffed beth in rynde, as I have preved, 296 In Marche and in Aprille, and right wel do. Inoculing also in hem hath cheved.
In saly if me graffe hem forth thai go.
And ripeth late and tasteth not but so.
300 Chasteynes kest in flakes me may kepe, Or under sande asonder leyde to slepe.

They scarcely grow in strong or red land, or clay. They like a cold climate, but do not object to one partly warm, or to hills if there be moisture : they love a northern aspect, and do best in well - prepared land.

Dig one and a half foot deep, or plough here and there; feed well with dung; put in your chestnuts one foot deep, three or four in each hole, and four feet apart.

Transplant in two years, make gutters to keep off the water, which would destroy them. The chestnut may be propagated by suckers. Pruning is growth to them.

Graft them in March. Inoculating is also successful. Grafted on willows they have an indifferent flavour. Keep them in wicker baskets, or in sand laid asunder.
44.

Otherskeepthem in earthen pots, or dry holes, or beechen baskets, or they fold bar-ley-chaff round them, or we may use thick baskets of sedge and cover them up.

And other hem in erthen pottes doo, And delveth hem in places that beth drie.
304 In beechen baskettes men save also This fruite, so thai with cley be stanche ywrie.
Or smallest barly chaf aboute hem plie,
Or baskettes of segges me may use,
308 So thai be thicke, and save hem ther recluse.
45.

This moone in places (drie) and regions colde
The piry wilde is sette ygraffed to be, Citur, (and) Olyve, eke Pomgarnat to holde
312 The Serve, and Meddleler, and Silique tree, The Molbury, the Chery, and Fig-tree, Almandes, and Juglande in semynaire, As crafte is taught beforne, is to repaire.

De muindandis \& muniendis apium castris.
46.

The bee picks some honey from tamarisk, etc., which should be left for their winter store. Cleanse their hives now, for it would harm them to move them in winter.

316 Atte gynnyng of this moone of thamarike And other floures wilde useth the bee Hony, though it be smal, sumdel to pike; Thaire winter stoor is reson that it be. 320 Now clensed alle thaire houses is to se; For wynter moeving like is hem to harme. But do this in a faire day and a warme.
47.

Have them swept with a wing, pinion, or feather of a fowl where the hand cannot enter ; stop every chink that is found, and spread a covering of broom over them.

Let sweepe hem with a wynge and with a penne,
324 Or fether of a foul there as an honde
May not come to ; pike all the filthes thenne; ${ }^{1}$
Stoppe every cheve aboute her houses fonde
With cleyed dounge; and over ther thai stonde
328 A tegument of brom or such extende
Hem fro tempest and coldes to defende.
${ }^{1}$ inde.

Remedium vitibus quas sine fruge luxuriant.
48.

In places glade and warme if vyne abounde
In leef, and have of fruite but povertee,
332 Now kitte hem short and thai wol be feconde.
In colde lande this in Feryere doone be ;
And if thai amende not, yheped se
Askes or floode gravel aboute her roote,

If vines abound in leaf, and have little fruit, cut them close, and they will be fruitful. If this do not succeed, heap ashes or river sand about the roots. Somedrive stones into them. 336 That summen stoones dryve into for boote.

## Remedium sterili viti.

49. 

The same place and tyme a bareyne vyne Is thus to cure: his storke is first to cleve, And ther enclude a stoone; eke olde uryne
340 Let cotuls imir aboute it helde at eve, And alle the moulde aboute it to remeve, That this licoure the rootes to descende, Eke ley to lande and dounge, and thai wol mende.

To cure a barren vine, cleave the stalk and put a stone in it. Throw four pints of old urine upon it, and remove the earth from it, that the moisture may descend to the roots : then put to it earth and dung.
N.B.-Here several Stanzas have been torn out, and the following cannot be numbered.

For browsty ${ }^{1}$ oil white wex is to resolve
In fynest oil, and therin throwe it so :
Hoot salt ygrounde is on it to dissolve
And in a vessel wried alle be do.
So wol it mende odoure and taste also.
In erthe ich oil to kepe is his nature,
Whom salt, or fire, or water hoote may pure.

To cure rancid oil melt white wax in fine oil, and hot ground salt, and cover all up. Oil should be kept in earthenware, its nature is to be purified by salt, or fire, or hot water.

[^97]De condiensis olivis.

This month olives are made into preserves : there are several kinds. The light (or swimming) olive is preserved by sprinkling on alternate flakes of olives pennyroyal, honey, and a little salt. Or put thereon a layer of olive and fennel cuttings, or birch, or dill.

This moone is made olyve in condyment;
That is dyvers: Oon olyve columbare
Ther flaketh first olyve as fundament ;
And after that the pulioles are;
A flake on that hony and saltes rare, Or flake olyve and fenel graffes be Theron or birche, or dile, or olif tree.
N.B.-Another chasm.

So are they kept only eight days. Unbruised olive is placed in brine, which is fined in forty days. If you want it sweet add two parts of syrup, one of vinegar; if sour, one part syrup, two vinegar.

A pint of raisin wine, a double handful of cin-der-ashes, quantity of old wine, bruised cypress leaves: mix all this and steep it, inake a crust upon it, and fill up to the brim.

So beth thai oonly daies viri endured. Olyve unhurt in barme ${ }^{1}$ of oil is do, That after xu dayes up is pured. And swetter for to have it, do therto Two parties sape and aisel oon also. To have it sharpe, of aysel tweyne infounde And oon of sape, as may the sharpe abounde.

A sester passe, $\mathrm{a}^{2}$ yespon alto grounde Of cyner, of olde vyne a quantitee Foil of cupresse a parte in it contounde. ${ }^{3}$ Let mynge all this; olyves nowe let se, Suche as unhurt beth taken from the tree, Doon in and dreynt, a cruste upon it make, And fille it to the brinke until it take.

[^98]
## NOTES.

1/4. Gesner considers this to be a taunt aimed at Columella, though he gives no more occasion for it than Palladius himself; and the latter by his remark in the next line seems to be conscious that he is open to this retort.
$4 / 8$. "Us is to write," and $43 / 1165$, "us to were honest is," are instances of the old dative : and so "the was saide" $=$ it was said to thee, $81 / 570$; and $96 / 1001$, "is hem to stoppe"=they must stop: but " me moost enforme," $1 / 2$, and "The floure me with the roos is not to take," 80/528, are different: in these latter instances me may be the nominative, like the French on.
$2 / 23$. "hole" should have been printed hoole. Qy. whether we are not wrong in writing wholesome, as if from walg, and not holesom from A.S. "hæl."

4/74. To take, probably "take to pieces," subigis; or it may be the to frequently redundant before the imperative.

4/80. ataste alore="judicio saporis explores"; but which is the verb, and which the adverb, it does not seem easy to determine.
$4 / 94$. The metre seems to require that Thater should here be written in full " the water."
$5 / 117$. Sic in MS., but Clerces is more probably the right reading.
6/125. obeye unto, as in Chaucer, "to Nature obey," representing the Latin dative.
$6 / 152$. This redundant as is frequent in Chaucer, e.g. Knight's Tale, "As keep me from the vengans of thilk yre." See infra, 9/226, etc.
7/160. Sic in MS., but selve is more probable.
$7 / 168$. synne represents the old corrupt reading vitium, instead of vicinus.

8/199. to thair above $=$ to an improved condition. See Professor Child, 'On Certain Peculiar Phrases in Gower and Chaucer,' in Ellis's Early English Pronunciation, Part I. This remarkable expression occurs also in Robert Manning of Brunne's Chronicle, Part I. Vol. I. p. 253 of Mr. Furnivall's edition :-
"Knyghtes, he seide, mykel I 30 w love,
I have jow holpen to joure above, And more y wolde yff y hadde ought."

9/227. So in MS., but "is" should be it.
$9 / 230$. Palladius says that virgin chastity, i.e. Minerva, is "promynent," i.e. patron, presul, of the olive; the translator has reversed the order.

10/254. That manner molde; so 27/723, all manner puls, like Chaucer's "No maner wight," in Prologue to Canterbury Tales, and elsewhere.
$12 / 306$. Sic in MS. : there is doubtless an omission of South, the original having "præcipue quæ ab Austro vel Occidente."
$14 / 373$. Spongia in original is a kind of stone. Vide Pliny.
$15 / 383$. The translator seems to have mistaken tectorium of the original $=$ a kind of rough-cast, for tectum.
$15 / 400$. It will be observed that tough is made to rime with yo, as in Robert of Brunne's Chron. I. 357/10,218, loughes (lochs) rymes with trowes (trows, boats). There also tow (tough, A.S. toh) rymes with drow (drew), 452/13,038. In the Midland dialect, and standard speech, the final guttural was no doubt silent.
$16 / 423$. The comma should be at "foule"; and the meaning is excused (by themselves on the plea) lest they should lack water, or sea-fowl.

18/463. Chaucer uses the singular "gre" for a step; but I do not know another instance of the plural form grece.

20/544. The translator has inserted this line proprio motu in derision of these absurd superstitions.
$25 / 659$. This remarkable stanza is for the most part due to the translator. Palladius's account of the Pheasant in the original has been much applauded.

26/712. There is nothing in the Latin about this laughter; and it is not easy to see what gave rise to it.
$27 / 728$. This is no nay, is a phrase of Chaucer's.
29/790. diche here seems to be superfluous; and for the first thi one would be inclined to substitute the; but see infra, 30/815.
$30 / 818$. So in MS., but thennes seems required.
$31 / 837$. It is shouell in MS., and so I ought to have given it, as Mr. Skeat reminds me.
$31 / 840$. for dyveres deres $=$ against divers injuries.
$33 / 892$. Democritus of Abdera wrote a book called Georgicon, which is referred to by all the Latin writers de re Rustica.
$36 / 980$. There is nothing in the original corresponding with
"aboute a quyk calf gridde": the translator probably mistook the meaning of viticula.
$37 / 1021$. fold. We get the meaning of this word, 88/770, where it is explained by "ornus." I have omitted to mention that these explanatory words are all in the MS. inserted by the translator between the lines: they are by no means always the same words as are used in the original. I do not find this name for the ash in the Dictionaries or Glossaries.

38/1035. So in MS., but gutteres is required.
39/1053. into stonde, i.e. to stand in.
40/1085. The celles suspensures, in original "cellarum suspensuras," i.e. the arching, or vaulted work on which the Roman baths were built.
43. In the Latin distich at the end of this page Mr. Skeat saw at a glance that I had mistaken unus for imus. It is in fact meant to rime with primus, and to signify last. It is to little purpose to say that Horace would have written summus, not imus, vide Hor. Epist. 1. 1. I had taken unus in connexion, not with "liber," but with the subject of the next line. I take this opportunity of thanking Mr. Skeat for this and several other services rendered me in his review in the Academy.

44/15. Barnaby Googe says of these balks: "The good husband must trie whether it be well plowed or no, \& not onely trust your eyes, which (the balks being covered with mould) may easily be deceived, but trie it with your hand (which is a certainer proofe) by thrusting downe a rod into the furrow, which if it pierce alike in every place, it sheweth that the ground is well plowed. If it be shallow in one place \& deepe in another, it declares the ground to be evil handled in the plowing."
$46 / 67$. =so much will grow to thee.
$46 / 77$. In this, and other places, where the metre requires a monosyllable, one would have expected forwe. See next line.

47/78. A full stop is required at wyse.
48/114. "Dissensseth," so written in the MS., and it is evidently, as required by the context, a verb in the imperative: but as the Latin is discuties, I suspect "dissensseth" to be a mistake of the copyist for discusseth.
$50 / 172$. It would seem as if the pronunciation of this word varied with the spelling, and the same with tough and ynough, with which it is often made to rime. Compare the rimes of this stanza with those of stanza 4, p. 45 : plowe there rimes with growe, and "tough,"
" ynough," and "plough" are meant to correspond with each other in sound, I fancy according to the modern pronunciation of "tough"; and so in $85 / 672$. "Ynowe," like "plowe," often occurs with the other sound, e.g. $52 / 231$; but then we have "lough" ( $72 / 304$, and $50 / 184$ ) meaning low, and most probably with the same sound as "low" : so that it is not easy to come to a satisfactory conclusion on the matter.
$50 / 184$. The side-note, notwithstanding the gap in the printing, has said all that was intended; " and," however, should have had its first letter, and low should have been given, without the (?), as the explanation of "lough," not longh.
$52 / 231$. It is strange that our word very should have established itself as almost the sole representative of the intensive adverb. Our Early English was much more copious in this respect; and "right" and $f u l$ were often employed with good effect in this service : right occurs twice in this line, and in other places, where the substitution of very would be no improvement. In 172/42, where it seems used to signify excess of badness, it may be a little perplexing. In such phrases as "right by" ( $6 / 149$ ), and "right as thou went" (36/968), it conveys a meaning of local exactness. In $45 / 49$ the adverb "forth right" relates to time, and signifies immediately.

55/303. Gargilius Martial is several times quoted by Palladius as a writer on Agriculture, but little is known about him with certainty. There was an author of this name contemporary with Alexander Severus, whom Vopiscus speaks of as a second-rate writer; but whether he is the same person with the Martial in the text it is not possible to determine.
$56 / 344$. The meaning seems to be "the walnut is to be planted sideways, one of its sides downwards, the point, or thinnest end, looking towards the north."
$56 / 352$. This represents the old reading una instead of ima.
$57 / 371$. The two misprints in the word "copron," which I have noticed in the Corrigenda, have sadly disfigured it.
$58 / 399$. So in MS. for er, i.e. ere, before.
60/443. Notice " an other," like altera=the second.
60/442-448. These hours are the divisions of the Roman day from sunrise to sunset. The sixth hour is always midday. The calculation is only for the first day of each month. The feet represent the length of the shadow of the gnomon of the Roman sundials when struck by the rays of the sun. Gesner and Schneider, in their respective editions of Palladius, have produced at length a learned dissertation of Aldus
on the subject, to which we refer the reader who may desire a thorough investigation of the questions involved.
$61 / 12$. The translator seems to speak of the same land as thin and fat at the same time: in the original it is " solo tenui et resoluto, vel etiam pingui."

63/527. The old reading was fecundas for "infecundas."
$64 / 86$. The Aminean vine has its name from an old town of Campania. Pliny says the bees gave their name to the Apianean.
$66 / 153$. There is a space left in the MS. for a word before " besinesse"; probably the word omitted is "better."
$67 / 167$. leves in MS. is a manifest error of the transcriber.
67/187. Mago, a Carthaginian writer on Agriculture, of uncertain age, was translated into Greek, and is frequently quoted by Pliny and Columella, as well as by Palladius.
$67 / 188$. I have proposed to expunge the $d$ from "yerdes" as a manifest error of the MS.

68/191. In the original it is putrefient; therefore there can be no doubt that purifie should give place to putrifie. The semicolon should have been placed after "rontes" in the next line, and not at the end of this.

69/236. This line labours under some defect, but I cannot say what it is.

72/318. I propose the substitution of to for "the," in deference to the original "formandam esse."
73/346. So in MS., but of seems to be required before "graffynges."
75/397. "her either" here, and "Ereither," 32/880, evidently represent the A.S. Heora agther; but in these places the meaning seems rather to be both of them together, than either of them separately.

76/431. The original has here in the Pastine, or land prepared for vines; and two lines above the "tables brinkes," or extremities of the beds, are spoken of as in the vineyard at the Decumanus limes; for the vineyards were laid out with all the precision and order of a fixed camp.

76/433. "an handful" seems a strange measure of length here, and in 119/429. In the original it is palmus=a handsbreadth, as in 80/536, or manubrii crassitudine. In Old English it was called a shaftman : thus, in Barnaby Googe, $78 a$, we read "not exceeding a foot in length, nor a shaftman in shortness." Vide Halliwell. Bailey is more accurate, as becomes a lexicographer, and calls it "Shaftment."

76/437. A verb is wanting in the MS., perhaps cley after "hedes."
81/577. i.e. "lete to plannte it"=have it planted. The " to" is unusual.

82/600. "bere a belle." This proverbial expression occurs in Chaucer (Troilus, iii. 199) : -
"And let see which of you shal beare the belle
To speake of love aright."
$83 / 612$. It would help the metre to read cleyi, i.e. clayey.
84/645. "roote" in this line, though explained by "radicem," is not the accusative, but the nominative to "is sowe" in next line. The first "sowe" I think is a verb active, and that is has found its way into the text by an error of the copyist.

84/656. "synk." It is not easy to recognize the French cinq under this grotesque form; but it seems to have been at one time the current spelling of the word Anglicized : thus in Lydgate's "Order of Fools," edited by Mr. Furnivall in Queene Elizabethes Achademy, 81/51, we read: " whos chaunce gothe neither yn synke or syse."

85/668. "goo too." This expression, of such frequent occurrence in the Authorized Version of the Scriptures, answers nearly to the Latin interjection Heus. We meet with it also in Spenser, e.g. F. Q. 5/43, Book I. :-
"Goe to, then, 0 thou far-renowned sonne
Of great Apollo."

89/795. So in MS., but olofte, as in $40 / 1088$, seems certainly required.
$90 / 829$. I and the translator's scribe have made sad havoc of this line between us. I am responsible for the omission of the verb " trede" before "hem": he has inserted an unnecessary " and"; and in the next line he has written "peres" instead of "pure."
$92 / 877$. I have no doubt it should have been "populer," as in 93/900.

93/907. So in MS., as in other places, for "seyen" $=$ seen.
$98 / 1049$. The "pynappultree" is the common pine, on which cones or apples grow.

99/1074. "thaire," in this place and many others, is the adverb there, i.e. where.

100/1088. i.e. over and above six consume or sell. Vide suprd 1069.

100/1092. So in MS., instead of "wage."
$100 / 1096$. The meaning is, "let a basket made of palm-leaves strain this wine." The punctuation is wrong.

101/1140. öто̀̀ Kvрךраїкòv. The first meaning of Opium was only vegetable juice.

103/1172. Sarmentes (scions). Both words are in the MS.; the second is unnecessary.

106/52. I suspect some error in this line. In the original it is: "nec in sabulone solum, sed in arena quoque proveniunt."

108/128. So in MS. for dounged.
110/169. "armorace" or "arborace." The translator is not always so particular about the right spelling.
$110 / 175$. This, with several ejaculations of a similar character, is due entirely to the translator.

111/191. There is a redundant word, probably "flatte."
111/217. =That will not be denied, but flourish in all weathers.
113/247. I have remarked already on the care of the translator to show that the words which he makes to rime together have a difference of meaning. It is sometimes very slight, but he is at great pains to point out that there is a difference. This stanza is a good example: the word "ferme" occurs no less than three times at the end of lines; and there are Latin words placed above to mark the difference of meaning. Unhappily, the explanation of the word in the second instance of its use is not very legibly written, and there is nothing in the original answering to it. It looks like ad frmam, but it is more probably affirmare, or some other part of the verb; perhaps adfirmandum. After saying that it was trouble to no purpose to break the plants off, instead of pulling them up, after the first year, he adds, "therefore, set it down as a thing to affirm ('to ferme') that places which before were fruitful 'close themselves,' and become unfruitful by so doing, by reason of the roots which cumber the ground."

113/266. all to braye, written as three words. In other places "alleto" is made one word; but I do not remember an instance in which either to or alto is joined with the verb.

114/275. "sette" is not in the MS., but is evidently necessary: " is " is a misprint for "in."

114/291. What is the herb here called Blite, Lat. Blitum, is not very clear, perhaps Spinach.

114/294. Wordes of the MS. should probably be worldes, i.e. worlds in the sense of ages; as we say "world without end." So I had written, but Mr. Skeat remarks that werdes and wordes occur so often for worlds, that they may be considered as only different forms of the same word. There still remains, however, its peculiar signification here.
$116 / 342$. The word here rendered "togh," and in 118/395, "tenes," is in the original tenacibus, and means stalks.

116/351. I have put the syllable "up" in brackets as redundant.
118/412. This means "some omit the boiling."

120/446. Hem seems to be wanted before "hie."
$120 / 454,467$. It is to be noticed that these remarks are not in the original, but insertions due to the translator. There have been many such, of which no notice is given.

121/470. "There" refers to Sardinia, and this line should be in a parenthesis ; the next lines to the end of the stanza describe the " oothinge worthie memorie" which "Marcial saugh in Sardyne."

121/472. "after harme." It may not be easy to trace the descent of this word, but I have little doubt that it represents, through some channel, the German nachamen, to imitate. The $r$ seems to present an objection to this; but we have seen our translator writing "armonaike" (23/605) for ammoniac.

121/489. "clere" in this line should probably have been "clese," i.e. close.

122/501. "Is far to fetch," therefore is slow in coming.
125/593. The author has told us what caprifying "is to signifie"; but, as his text is very uncertain, the translator is to be excused if he is not very intelligible. There is nothing in the original about "a tree made like a sawe"; but the green fruit of the wild figtree is to be suspended on the tree to be ripened, with a thread run through it like serta, garlands, not serra. Pliny tells us that this was in order that a kind of gnat, which was bred in the caprificus, might be induced to suck out the moisture of the figtree, and so hasten its maturity.
$127 / 641$. Two syllables are wanting in MS. to complete the sense and the metre, probably "leste wynde."
$127 / 644$. There should have been a stop at the end of line 643, and again at nought, the sense being: "it is (necessary) to refuse more or less than a year, as nought," i.e. good for nothing.

130/722. Sic in MS.
133/800. Mr. Skeat refers me to Dr. Morris's note on Chaucer (Clarendon Press Selections) for the meaning of "steep eyes"; but in the original it is "magni." Perhaps I ought to have explained it projecting.

134/839. I cannot account for the omission of this line. The gap must have been conspicuous enough in the proof, but some how or other it escaped my notice. It is perfectly legible in the MS. as follows :
"That thai may mylk her foles abundance."
141/46. "craffes" in the MS., but it should no doubt be " graffes."
$142 / 68$. We need not be surprised at the wrong done to the quantity of the word $\sigma$ é $\lambda \iota \nu o \nu$.

144/107. So in MS., but I suspect it should be fervent, not "infervent," and that the words "is sette," or some equivalent expression, have been omitted.

144/118. To agree with the original this "by" ought to mean against; but whether the translator so intended it is at least doubtful : his words seem rather to signify "approaching the fat rather than the lean;" whereas the original is "proximam tenui atque jejunæ." It is hardly necessary to say that by does sometimes mean against, as in 1 Cor. iv. 4.
144/125. "Nowe" of the MS. apparently should be noo, i.e. no, none.
148/219. These prologues and epilogues afford some very curious specimens of in-riming. Here every line is made to rime in itself as well as with its neighbour. The sense is not always rendered the clearer by this process. It looks as if "doon is," in line 220 , is meant to be a plural form of the gerund, i.e. agenda. "Jesse floure," in the next line, calls to mind the Jesse-trees of ancient art, on which our Lord's genealogy was depicted. In 224 I have put " s " in brackets as evidently an error of the MS. "Of floures flour" is Chaucer's expression in the prologue to his "Legend of Good Women," which seems to have been in the mind of the translator whilst writing this epilogue. There is a word omitted in the MS. in l. 225, probably cloudes, or worldes. Chaucer in the forecited prologue has, "That in this derke world me wynt."

151/61. See under Peculiar Order of Words in "Grammatical Notices," suprd, page xx.
$153 / 129$. The last word in this line, which ought to mean "mix," or something equivalent, is not completed in the MS.; the second syllable is wanting.
154/151. "and" seems wanting in the MS. before " yet."
157/218. "That" of the MS. should probably be "Take" at the beginning of this line.
$157 / 225$. The hours which are here represented by the technical names of the division of the day in A.S. times, in the original are simply described by their number, as 1 st , $2 \mathrm{nd}, 3 \mathrm{rd}$, etc. In the sidenote I have made one agree with the other.
$157 / 232$. The same in-riming is observable in this epilogue, the meaning of which is tolerably clear. I ought to have printed drope in l. 237.
$159 / 26$. This picture of the wheat-field bending to greet and express thanks for its ripeness is due entirely to the translator.

159/27. From this knowledge of French husbandry, it has been concluded, perhaps too hastily, that our Palladius must be the

> "Facundus juvenis Gallorum nuper ab arvis Missus"
mentioned by Rutilius, as related in our preface. With respect to the cart, Barnaby Googe's account is: "Palladius teacheth, besides the labour of men, a shorter way to be done with an oxe, that shall in short time cut downe all that groweth, which was woont to be used in Fraunce. The devise was a low kind of Carre with a couple of wheeles, and the front armed with sharpe sickles, which forced by the beast through the corne did cut downe all before it. This tricke might be used in levell and champion countries; but with us it would make but ill-favoured worke."
$160 / 74$. There is nothing in the original to decide the meaning of these French words: but as ache, parsley, has been mentioned before, p. 142, they are most likely comme devant, as Mr. Furnivall has kindly pointed out to me , to whose advice, guidance, and encouragement, whenever I have consulted him, I am greatly indebted.

162/125. "multiplice" of the MS. should be "multiplie," to rime with " drie" in the next line.
$163 / 143$. It is to be observed here that a difference is made between noon and midday by the translator. In the original we have only the fifth and sixth hour : i.e. eleven and twelve o'clock.
$163 / 148$. This epilogue is free from in-riming, and presents no especial difficulty: "umne" in the first line should have been "ymne" =hym.

167/90. This is Chaucer's phrase: he calls Constance, in the Man of Lawe's Tale, "the sely innocent." Spenser speaks of "a silly lambe" becoming "the innocent prey" of a lyon in F. Q., b. 1, c. 6.
$168 / 129$. There is in the MS. a faint tail to the end of well, which may be meant for a $y$.

170/162. The in-riming of this epilogue is most extraordinary; and in addition to the final rimes, every two lines are made to rime together in the middle. The latter part is very obscure, and the misprints make bad worse. In 1.168 it should of course be Prince, and $I$ should be inserted before the first "mene." For "she mine ignorance" compare 171/9. "faust nygh" in line 169 I take it to be $=$ hard by, as in Spenser, F. Q. 1, 12, 25, "Fast before the king"; and in F. Q. 2, 2, 37, "Fast by her side did sitt the bold Sansloy."

172/42. The translator has mistaken the meaning, if "fungous
stronge " are epithets of praise; but perhaps he meant the contrary, and referred "thereof" to dounge, not to chaf.

173/54. This notion of the rape and the cabbage refusing to land at the same port is due to the translator.
178. Here again observe the lines riming in the middle as well as at the end. In 213 "make" is Chaucer's word for writing poetry, adopted from the Greek $\pi o \iota \eta \tau \grave{\eta} s$. In 216 " the Prince" occurs again. I do not clearly see to whom he refers in l. 217.

179/11. In the original it is plainly "cum minuitur Luna." The translator probably wrote, or meant to write, Phobe.

179/17. So in MS., but "As" seems necessary instead of "And."
180/43. Sic ; but there is in MS. a flourish, which may indicate an $e$. I have no doubt that Mr. Skeat is right about "Hopre"=a seed-basket, in the Latin modium; but for "cloth," or "clothe," we have vestieris. I had mistaken hoppit for Hopper, a word used twice by Chaucer in the Miller's Tale, 11. 924 and 927.

183/126. This line, printed just as in the MS., is evidently out of its place. It ought to have come before l. 124.
$186 / 211$. In this epilogue we again have the double rimes and the same sentiment, but in language more easily intelligible. I have bracketed the syllable "un" as unnecessary.

187/5. I have put the superfluous "is" in brackets. "on ende" at the close of the line is carefully explained to mean diligently, to justify the rime with "atte end" in the line before. The phrase generally means completely.

188/46. It is difficult to follow the translator here. I see nothing in the original about balancing on tiptoe, or three toes growing for one.

190/96. The word which looks like heiry is probably heivy, or some form of "heavy." It should have been printed separately from lete, which I take here in the intransitive sense of stopping, or sinking. The Latin is "propter naturæ gravitatem remanens aqua subsidet, et translatum vinum pure servabitur, relicto quicquid se ex illi ex imbre miscuerit."

191/116. There is space left in the MS. for a word before " playne."
191/128. The MS. is here manifestly faulty. One would expect it to be "And feede (i.e. food) it is to dust it ofte and weede." In the original we have "sarculari debet assidue, ut respergatur pulvere, quo fovetur." In what follows the translator had the old reading nimis instead of minus, which makes all the difference.

196/266. Castration of bees. The translator would seem to have read "de apibus castrandis" instead of "de alvearibus castrandis."

196/271. This benevolence towards the bees is expressed in the original without the unceremonious severity upon those who deprive them of their stores.
197. There is surely a mistake in the MS. in the heading of this section, which intimates that all these wines are made of the larger fruits, such as apples or pomes. Barnaby Googe shall tell what these are. He says, "Pomum, generally spoken, is to be understood of all that the Greekes comprehended in the word ö $\pi \omega \rho a$, as peaches, quinces, and peares, whereunto the Lawyer agreeth."
$197 / 296$. In the original it is eightieth here, and fiftieth in the next line, which the metre seems to require, to say nothing of the wine.

198/305. This is rather a free translation of utrum vendenda sit.
198/308. The translator must have had another reading before him, or else he has strangely mistaken the meaning of diuretica.

199/334. ydroken looks like a slip of the pen for ydronken. The Latin word is aperies, and perhaps this sense may be got out of A.S. dreogan, German drüken.

200/358. This plant, the Italian clover, should have been written melilot quasi melle lotus. Gliciride, or rather glycyrize, sweet root, is the liquorice.

200/369. A syllable is wanting ; perhaps and before " clene."
$201 / 404$. I have at a venture supplied a syllable in brackets.
$202 / 418$. In the MS. the three last words are written separately. Modern editors incline to unite the three together. In similar expressions we may have had the prefix to joined to the verb or participle; and frequently alto written as one word; but in no case, as far as I remember, are the three words amalgamated.

203/443. me trete, divided in the MS., is the Greek $\mu \in \tau \rho \eta \tau \eta{ }_{\mathrm{I}} \mathrm{s}$.
$205 / 513$. I have added a syllable in brackets to help the metre.
$205 / 519$. The feet spoken of are, of course, those that trod out the wine.

205/525. Musty bread has not a very attractive sound to our notions; but the Romans used the term to signify new, fresh, and good, of apples, cheeses, honey, and even books. A musty book would hardly be considered now-a-days one to be desired.
$206 / 547$. It will of course have been observed that all these epilogues are in the stanza of eight lines, and that they have, for the most part, been very carelessly copied by the translator's scribe. Chaucer,
probably, would not have had milder words for him than he bestowed upon his own immortal "Adam Scrivener." This stanza is provokingly full of omissions, which it is impossible to supply. The translator's freak this time is to make both the last and antepenult syllables rime: thus, " light superne" with " might eterne," "honoure, empire," with "houre and gire;" but the fourth and sixth lines limp terribly for want of their proper feet. Here again I fail to see distinctly who it is saving whose brightness there is no star in our hemisphere.

207/14. I have referred "Thei" to the harrowers; I fancy, however, from what follows, that it belongs rather to the beans. In $\mathrm{\nabla} .18$ the MS. has the superfluous " $n$," which I have bracketed.
$208 / 23$. That is before "sunrise: for after the full moon, sun and moon are both above the horizon at the same time.

209/69. Another redundant word.
209/76. I have here supplied the syllable in brackets.
213/165. The MS. inserts this unnecessary "and."
$213 / 173$. The initial letter of "navel," omitted in the MS., is eridently wanted, and "coart" in the next line must be a slip of the pen.

218/309. I have supplied drie from the Latin, and two lines below I have marked a redundancy of the MS. The brackets in every case indicate a proposed departure from the MS., whether by insertion or suppression.

220, last line but one: dreynt. Spenser, F. Q., also uses "drent" for drowned. E.g. in 2, 6, 49, where Archimago calls to Pyrochles in the Idle Lake:
"What flames," quoth he, " when I thee present see In danger rather to be drent than brent?"'
The rest of November and the whole of December have been torn out of the MS., and destroyed. I question whether the fourteenth book, "de Insitionibus," was ever done by the same hand. Probably if he had translated it, he would have done it in prose.

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Abroode, across, 125/586.
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Brede, make broad, spread out, 190/101.
Breres, briars, 42/1160.
Breses, locusts, 24/654.
Briche, brick, 212/135.
Broke, brook, 190/92.
Brolles, heads, brows, 43/1166.

Browsty, rancid, mouldy, 219/15.
Brustles, bristles, 27/724.
Brymme, brim, subare, vide Albert Way's Prompt., 98/1051, 99/1074
Bryning, Brenning, burning, 9/224, 127/665, 153/117.
Burgyne, to bud, 53/307, 74/376.
But, unless, 35/949, 94/934.
But, boot, benefit, 113/269.
But if, unless, 137/910, etc.
Buxom, obedient, 6/126.
By, towards, against, 1/7.
By \& by, frequently, 208/46.
By, hard by, close (compare " Right by," 6/149), 108/119.
By dene, altogether, wholly, vide Stratmann's O.E. Dict., 8/184.
Bygrounde, to the bottom, completely, 41/1132.
Byraine, $v$. shower, 35/952.
Byrayned, rained upon, 198/307.
Byspreyntt, sprinkled, 106/70, 168/111.
Bystrowed, strewed, 92/889.
Bywette, Bewette, wetted, 65/125, etc.

Caduc, Lat. ready to fall, mellow, 89/785.
Caire, to go, to creep, perhaps an error of the transcriber, for carie, riming with necessarie, 143/88.
Calcatory, wine-press, 17/461.
Callum, Lat. any hard substance, 125/599.
Calvair, Lat. skull, 36/984.
Caniculer, Dog-star, hounde, 164/13.
Cannibe, crooked, applied to knife, suggests inquiry, 62/1157.
Caprify, to ripen figs (see note), 125/892.
Carbunculine, consisting of carbuncles, or stone coal, 216/272.
Carene, vide side-note, 204/484.

Carenaynes, Lat. carenarias, boilers, 168/130.
Cast, determine, 9/234.
Caul, Lat. stalks, 200/381.
Caule, Lat. stalks, 165/39.
Cause, to cast or shed teeth, 135/862, $135 / 864$.
Cave, upon (does not seem to correspond very intelligibly with the Lat. "in quem frumenta transfusa refrigerentur"), 37/996.
Certayne, a certain quantity, 185/185.
Chappe, crack, split, 116/339.
Chare, chair, car, 35/957.
Charge, dispute, 28/744.
Chasten, a chestnut, 216/253.
Chaufe, Fr. warm, 40/1088.
Chaule, jaw, jowl, here the front of a cart, 159/34.
Chaunging, subs. a change, 71/63.
Chave, to cover or mix with chaff, 108/119.
Chese, chuse, $11 / 281$.
Chene, chink, 17/441.
Chere, countenance, 196/250.
Chesbolles, poppies, 184/134.
Cheve, achieve, $50 / 168$.
Cheved, succeeded, 217/297.
Chich, to chuck as a hen, vide Bailey, 25/661.
Childe, $v$. to bear, 190/90.
Chyne, chyning, a chink or crack, 41/1116.
Chyne, $v$. to crack, 156/199.
Clave, Lat. a large truncheon, 119/415.
Cleche, to grasp at, clutch, 145/158.
Cleen, claws, hoofs, 68/5.
Cleme, daub, smear, A.S. clamian, 39/1078.
Cleme, to plaster up, 199/339.
Clenliche, cleanly, 115/311.
Clere(qy.clese ?), to close, 121/489.
Clese, close, enclose, 27/721.

Cleve, Lat. clivus, declivity, 50/167.
Clock, to cluck as a hen, 25/660.
Clonge, withered, A.S. clingan, 55/339.
Cloos, close confinement, 169/141.
Cloothe, a cloth, 199/338.
Clorded, contracted, 137/919.
Closter, cluster, 186/194.
Clype, clip, 43/1164.
Coact, Lat. compelled, 213/174.
Coärted, Lat. kept close, confined, 101/1131, 213/174.
Cocurs, leggings, cothurus, vide Albert Way's Prompt., 43/1167.
Codde, the stock of a tree, Lat. codex, 144/119.
Coffyns, boxes, 128/672.
Coloquynt, colocinth, coloquintida, bitter apple, 34/913.
Columbine, dove-coloured, 14/372.
Colver-hous, A.S. pigeon-house, 21/554.
Commysure, Lat. joint, 141/42.
Complayne, to suffer hardships, or perhaps make level, 158/14.
Complose, Lat. knocked together, 175/167.
Comprehende, Lat. take, strike, as plants, $141 / 46$.
Comyn, moderately, commonly, 142/55.
Condite, Lat. condire, to flavour, to season, 203/449.
Condyment, $v$. to flavour, 205/525.
Condyte, Lat. stored, or preserved, 157/222.
Confray, to rub together, 111/196.
Congius, six sextarii, 169/109.
Congys, the Roman congii,183/117.
Connyng, skill, 97/1015.
Contende, hasten, 206/532.
Cool, colewort, cabbage, 32/879.
Coors, corse, body, 4/85.
Cordyng, according, agreeing, 156/214, 157/224, etc.
Cornel, corner, 13/326.

Cornels, kernels, 185/163.
Corser, Fr. horsedealer, vide Halliwell, $135 / 846$.
Cote, pigstye, 99/1081.
Cotul, Lat. a measure ${ }_{\mathrm{c}}$ containing about a pint, 200/383.
Counter, counteract, 63/66.
Courage, Fr. heart, mind, spirit, 190/90.
Couthe, could=couth, cû notus, 39/167. Stratmann's Dict. 109.
Covert, to cover, 6/146, 15/385.
Crafte, $v$. to make skilfully, 16/428, but see Stratmann.
Crece, increase, 9/227.
Crese, crush, 142/77.
Crodded, curded, 154/141.
Crofte, small field or garden, 89/796.
Croppe, to cut off the top, 143/92.
Croppes, tops of branches, 96/990.
Crucke, bend, twist, 51/210.
Crudde, curd, or rennet, 154/142.
Crueltee, harshness, foulness, 210/81.
Cuculle, Lat. hood, 43/1116.
Cure, care, 84/655.
Curiage, a herb, 37/1016.
Cyment, cement, 17/449.
Cynarbare, cinnabar, vermilion, 211/118.
Cyner, cinder-ash, 220/16.
Dalk, a hollow, 125/608.
Deche, $v$. cover, Germ. decken, 41/1124.
Dechyng, covering, 175/185.
Dede, die, 2s/752.
Defaicte, defeat, 3/44.
Defervyng, boiling down, 204/485.
Defie, to steep, digest, 102/1160.
Defrut, a kind of wine, 204/484.
Dele, divide, distribute, 66/150, 201/395.
Delf, a trench, 144/117.
Delves, trenches, 44/6, 52/239.
Deme, to judge, 4/83, 163/151.

Demene, manage, arrange, 5/95, 19/497,
Dene, ten, 22/587.
Depart, v. trans. separate, part, 29/779.
Dependent, hanging, 99/1060.
Dere, dear, 11/279.
Dere, injury, 31/840.
Dere, v. to injure, 31/840.
Desolve, dissolve, reduce to a pulp, 204/496.
Detracte, Lat. extracted, 213/171.
Devise, Lat. divisus, being divided or distributed, 199/348.
Devolve, roll down, remore, 204/497.
Devyse, Fr. to order, arrange, advise, $61 / 21$, etc.
Digne, Lat. worthy, 187/7.
Disclude, disclose, 152/84.
Discuss, Lat. divide, vide Corrigenda.
Dispense, to excuse, not to require, 157/235.
Distempre, to put out of health, 11/273.
Distreyne, subdue, 16/415.
Disyoynt, destroy, put out of place, 32/273, 170/164.
Divyne, guess, doubt, 75/410.
Do, make, 21/561.
Do fro, withdraw, subtract, 214/197.
Dolve, delved, dug, 125/582.
Dolven, dug, 14/353.
Doo, make, place, e.g. " Doo the roates to," place on the roots, 16/417, 116/356.
Doom, judgment, 20/525.
Doone of that, done with that, had enough of it, 216/263.
Dote, decay, 28/752.
Do to, do with, add (do fro, subtract, 214/197), 200/370, 205/510.
Dover, a hole, vide Pr. Parv., 127/654.

Draff, refuse, lees of wine, 22/580.
Dragmes, drachms, 169/145.
Drenche, to drown, plunge, 204/482.
Dresse, Fr. prepare, 79/501.
Drestes, A.S. dregs, 35/944.
Dreynt, drained, drenched, strained, pressed, 220/20.
Drie, thirst, 132/777.
Dripe, drop, put down, A.S. dripan, 54/277.
Drope, drop or stain, 157/237.
Drove, herd, 134/826.
Drury, dreary, sad, 196/250.
Dwyne, dwindle, 63/75.
Echate, Hecate, the moon, 22/526.
Eche, add, 41/1122.
Eddres, adders, 38/1036.
Edifie, build, 14/364.
Eere, ear of corn, 158/16.
Effloure, to cease flowering, 64/82.
Efte, again, or after, 16/416.
Efte and tries, a second and third time, 216/266.
Eftsones, again, 62/27.
Egestion, Lat. the issue or pro-
duction of the new wine, or its
removal from the vats, 204/449.
Egge, edge, 16/411.
Eghen, eyes, 23/604.
Eitheres, either, 30/808.
Either, both, 186/203.
Eke, also, 38/1049, etc.
Eke, destroy,vid. Halliwell,23/608.
Elebre, hellebore, 38/1044.
Elles, else, 38/1031, 60/488.
Elleveth, eleventh, 60/448.
Elonge as the liketh, make as long as you like, $47 / 80$.
Elonge, to keep long, 126/631.
Enable, become able, 134/834.
Enarme, embrace, protect, 19/502.
Enaye, annoy, 50/163.
Encluse, inclosed, 113/261.
Enclyne, to bend, 159/126.
Encre, increase, 209/66.

Encrisped, curly, 154/139.
Ende, on ende, diligently, diligenter in MS., 187/5.
Endure, harden, 90/816.
Endured, kept, Lat. custodiri, 220/8.
Endwell, dwell in, 17/437.
Ene, only, 45/44.
Eneye, to inoculate, 166/53.
Enfecte, affect, injure, 155/177.
Enfecte, become infected or tainted, 199/350.
Englame, to stick, 26/692.
Enlyne, anoint, 152/105.
Enmyne, $v$. sink or dig, 28/768.
Ennoyes, adj. annoying, 126/612.
Enoculer, to inoculate, 166/53.
Enrounde, surrounded, 22/590.
Enter, between, Lat. inter, 77/455.
Entere, an intimate, favourite, 11/289.
Enterspace, intermediate space, 47/88.
Epatike, Lat. hepatic, relating to the liver, 200/361.
Ere amonge, ever amonge, ever and anon, $174 / 86,175 / 132$.
Ere, an ear, "Enclyne an ere," 199/341.
Eree, $v$. to plough, to ear, 61/10.
Eree, ever, 62/40.
Ereither, either of them (or rather the two together, vide Note, 397/75), 32/880.
Erthen, sooner than, before, 208/34.
Erthes, ploughings, from eree, q. v. 106/68.
Eschewe, adj. Fr. odious, 20/528, 125/586.
Eschewe, v. shun, 21/553.
Estivons, Lat. summery, 124/580.
Estuant, Lat. raging, boiling, 202/304.
Esy, agreeable to the taste, 203/503.
Even, to level, 150/39.

Ever amonge, every now and then, 105/29.
Excluse, Lat. excluded, 217/278.
Excodication, see side-note, 44/3.
Exile, Lat. poor, weak, thin, 201/387.
Exon, oxen, 19/513.
Expert, experienced, 120/454.
Expresse, open, clear, manifest, experienced, 66/154, 188/27.
Externe, $v$. alienate, 186/218.
Eyles, eyeless, 81/564.
Eyron, eggs, 22/582.
Eyther, conj. either, 2/25.
Fande, tried, attempted, 80/551.
Far, Lat. a kind of corn, 207/1.
Fare, to go, to be, to fare, 102/437.
Faust, fast, i.e. faust nygh, hard by, near, 170/169.
Faute, failure, 129/699.
Fayne, desirous, 188/38.
Fecundare, fruitful, 36/985.
Feel, many, 92/869.
Feestern, to fester, 188/49.
Feetly, actively, carefully,169/142.
Feint, $v$. to make faint, 100/1090.
Feire, fair, also to go, 125/550.
Felawe, fellow, 80/553.
Fele, A.S. many, 41/1109, etc.
Fenestell, Lat. window, 20/546.
Fer or ferre, far, 18/471.
Fer of, to be afraid of, 48/130.
Ferdfull, terrible, 130/704.
Fere, frighten, 159/44.
Fere, $v$. to remove, 36/1036.
Ferme, first, 113/547.
Ferment, Lat. leaven, 205/524.
Ferne, to cover with fern, 13/338.
Fers, fierce, 111/206.
Fervence, boiling heat, 203/444.
Feste, feast, entertainment, 153/106.
Fette, fetched, brought, 76/437, 111/192.
Fette, remove, 210/88.

Feture, breeding, 131/731.
Feverer, February, 50/178.
Firthe, fourth, 126/621.
Flappe, to beat, "To all to flappe," to beat much, 156/194.
Flete, $v$. flit, part, 214/211.
Flette, flat, a floor, 18/474.
Flevme, phlegm, 168/125.
Fleyke, basket, hurdles, wattles, 11/275, 92/881, 216/248.
Flonge, flung ; to flonge, flung on, 179/11.
Foil, leaf, 145/144.
Fold, wrapped, folded, 144/127.
Folde, bend, 81/557, 88/774.
Fonde, strive, try to go, 185/168.
Fonde, found, 187/11.
Fonge, to lay hold, 189/76.
Fonne, catch, be caught, 33/910.
Foolde, mountain-ash tree, 27/1021, 88/774.
Foote, to found, to establish, 12/318.
Foothoote, speed (with foothoote, immediately), see Warton, 52/228.
For, in many places, against, 19/512.
Fordoo, destroy, 168/112.
Fore, for, 62/25.
Forfare, fare ill, 138/931.
Forferde, greatly afraid, 109/160.
Forkes, Lat. furcas, props used in building, $20 / 922$.
Forme, first, 60/447.
Formest, first, foremost, 72/317, 190/93.
Forneis warde, towards the furnace, 40/1086.
Forthi, therefore, for this, 22/582.
Fortunate, v. act. to make fortunate, $7 / 180$.
Forwe, furrow, $150 / 36$, etc.
Forwepe, waste by weeping, 102/1149.
Foryelde, requite, 12/311.
Foule, fowl, 22/627.

Founde, try, endeavour, 42/1137.
Frame, blend, 42/1138.
Frape, Fr. frappe, beaten, pounded, 203/418.
Frayels, frails, light baskets, 204/494.
Fresshe, to make freshe, 11/291.
Frete, eat (forfreaten, eaten away), 73/331
Frigiditee, cold or cool place, 108/124.
Frough, crisp, brittle, short to the taste, $84 / 662,85 / 671$, etc.
Frote, rub, 16/433, 25/683.
Frottes, probably a mistake of the MS. for froftes, frosts, $55 / 302$.
Fundament, foundation, 12/316.
Fungous, spongy, 172/42, but vide Note.

Gage, Fr. measure, 119/427.
Gage, to engage, claim, 190/79.
Garth, garden, 29/778.
Gaseyn, marsh, Fr. gazon, 2/36.
Gedroken, see Ydroken, 199/334.
Geet, jet, 129/471.
Gentil, generous, thoroughbred, 86/71, 132/779.
Gentillesse, Fr. good birth, 188/28,
Germyne, to bud, 208/48.
Geson, rare, 106/65. See Stratmann's Dictionary.
Gesse, guess, or do by guess, 200/385.
Gestes, guests, 21/574.
Gey (qy. Wey), weigh, balance, 188/46.
Gire, gird, protect, 13/327.
Gireth, Lat. encircles, 186/203.
Gisily, ingeniously (from gise, a method), 75/409.
Gladde, cheerful, sunny, of land, 44/8.
Glade, gladden, 84/648.
Gliry, glutinous, 16/412.
Glocke, to shake violently, 168/131.

Glose, fondle, 132/758.
Goldes, marigolds, 110/174.
Gomes, gums, 58/389, 135/863.
Gouldes, endive, 26/702.
Grave, to dig, bury, 150/45.
Grece, steps, 18/863.
Gree, degree, 121/471.
Greet, grit, 15/405.
Greithe, $v$. prepare, 128/689.
Grene, a gren, a snare, 110/164.
Grete to make great, 52/241;
grow great, 97/1025, 149/6.
Grete, to greet, salute, 159/25.
Greves, groves, 49/149.
Greyne, grain or pips, 89/805.
Greythed, prepared; in the original
parata, see Morris's Specimens, 62/35.
Grobbe, to grub, or dig up, 164/6.
Grobbes, grubs, 160/63.
Groissyng, explained by stridens, 14/357, perhaps the French grossir, gritty, 3/59.
Gross, Lat. a green fig, 126/633.
Grount, ground, bottom, 176/154.
Gurgolions, weevils, 18/485.

Hafte, spear-handle ; it is also a rough measure called haft-man ; vide Ray, 115/311.
Halde, poured, 101/1115.
Hale, to drag, 132/771.
Hale, v. intrans. pour, hail, 197/284.
Half, part, side, 37/1002. (So in Sir J. Mandeville, " 0 griffon is more strong than viIII lyons such as been of this half.")
Half, side, every half, on all sides, 154/144.
Halvendele, half-part, 41/1123.
Happe, chance, 86/710.
Happe, Fr. fasten, 68/214.
Haras, Lat. stables, pigsties, etc. Here it seems to represent the French haras, studs, 134/820.

Hardes, shells, husks, 169/135.
Hardnesse, Lat. duramenta, the hard wood of vines, 69/240.
Harme, vide after, 21/472.
Haunt, practise, follow, O. Fr. hanter, 61/196.
"He" is used in a peculiar manner, like the Greek $\tau \iota \varsigma, 105 / 52$.
Hede, grow to head, 192/156.
Heedles, headless, 32/881.
Heer, here, or rather higher, " supra hæc podia," 39/1058.
Heer, hair, 193/180.
Hegge, hedge, 59/438.
Helde, A.S. to pour, 41/1132.
Heldes, slopes, 165/22.
Hele, heal, 22/597.
Hele, healthy, hale, 3/46.
Heled, covered, 20/524.
Helthes, health, 12/301.
Hent, to catch or throw, 42/1151.
Hente or hende, kind, gracious, 186/216.
Her, their, 11/291, etc.
Herde, adj. hard, 41/1122.
Herde, sub. tow, 41/1122.
Her on, here on, 317/383.
Here oon, their own, 211/107.
Herre, higher, 77/445.
Hervest, autumn, 10/260, 113/252, etc.
Hery, hairy, 78/874.
Hete, promise, 94/936.
Heven, intrans. to rise, 181/75.
Hewe, hue, colour, 99/1063.
Hie, hasten, 99/1076, 208/32.
Hie, high, 209/58.
Hinge, hang, 148/223.
Hocked, hooked, 42/1154.
Hockes, caterpillars, 32/882.
Hode, cover as with a hood, 86/717.
Hokes, hooks, bills, 42/1159.
Hoketh, curved into a hook, 111/202.
Holgh, hollow, 70/757.
Holsum, wholesome, 2/34.

Home, closely, thoroughly, 147/192.
Honge, hang, 114/285.
Hoote, hotly, quickly, 179/7.
Hopre, seed basket, or measure, 186/43.
Hoole, whole, wholesome, sound, 42/77.
Horne, hoof, 133/795.
Howe, to hew down, 151/60.
Huls, to reap hastily, cum strepitu metere, 160/56.
Husbonde, husbandman, 40/1080, 43/1168, $75 / 593$.
Hutte, clod, 60/188.
Iche, each, 114/291.
Idus, Lat. 13th or 15 th day of Roman months reckoned from the Nones, 45/29.
Iliche, equality, $7 / 167$.
Immyn, free from, 157/237.
Implayne, plaster, 18/479.
Incrementacion, means of increase, 217/294.
Indistinctly, without distinction, 98/1064.
Inflacioun, flatulence, 205/504.
Insolent, Lat. unaccustomed, 209/57.
Instinct, instigated, 167/104.
Intort, towards, $56 / 344$.
Inwith, within, 101/1133.
Jape, trick, deceit, 100/1104.
Joyfulliche, joyfully, 215/222.
Kades, Lat. cadus, casks, 199/331.
Kalendes, Lat. the first day of the Roman month, 62/29.
Kake, cake, 214/203.
Kark, to care, 129/701.
Katrefoil, i.e. quatrefeuille, having four leaves, 191/118.
Kepe, sub. care, taketh keep, cavete, 58/406, 104/6.

Kepe, $v$., to care, "No thing thai kepe," nil curant, 216/270.
Kerve, carve, cut, 72/308.
Kirf, cutting, 8/190.
Kirtils, coats, 16/417.
Kitte, kytte, to cut, " to doone to kitte," to have cut, 151/67.
Konne, know, 208/26.
Ky, cow, 166/65.
Kyen, cows, 130/707.
Kynde, kind or nature, 65/123, 163/132, etc.
Kytte, cut, 6/127.
Laak, fault, lack, 136/895.
Laier, vide Leir, from A.S. leger.
Lamber, lambron, lambs, 145/155.
Langh, long, 38/1033.
Lappe, $v$. to wrap, $57 / 373$.
Lappe, lop, loppings, 150/45.
Laste, late, 184/155, etc.
Latte, late, 198/303.
Lattest, latest, last, 14/364.
Latteth, makes late, 192/133.
Leche, leach, doctor, 211/129.
Lede, cover with lead, 177/175.
Lede, to lade or load ; overlede, oppress, 182/101.
Leef, desirable, 129/687.
Leendes, loins, 129/683.
Lefte, dear, beloved, 142/55.
Legge, to lay, 22/583.
Leide, laid, 129/683.
Leir, lair, place. So Barnaby Goodge (p. 17, B.), says "a good Husbond must consider what crop is best for every layer," $3 / 52$.
Lemes, lights, vide Way's Notes, Prompt. Parv., 157/229.
Lene, make lean, macerate, 90/810.
Lene, leanness, 140/14.
Lere, learn, $3 / 45$.
Lerned, taught, 144/128.
Lese, lose, destroy, 35/948, 87/737.
Lese, to select, gather, 165/48.

Leson, loosen, 71/292.
Lest, lost, 77/462.
Lesure, injury, 87/733, 134/825.
Lete make, let make, to have made, $12 / 310$.
Lethe, mitigate, regulate, adjust, 159/45.
Lette, hinder, 45/39.
Leve, to grow to leaf, $71 / 276$.
Leve, A.S. to remain, 176/150.
Lever, preferable, rather, more desirable, 38/1046.
Levy, leafy, 121/486.
Leys, fallows, novales, see Tusser on January, "Ley lands or lease, Break up if you please," 46/76.
Leyt, lightning, 70/272.
Lief, leave, 72/315.
Lift, left, 130/718.
Lifte, lively, 133/793.
Ligge, lie, 109/157.
Like, likely, 156/199.
Like, mild, 45/32.
Liking, aspect, favour, 3/46.
Likyng, pleasing thing, dainty, 132/699.
List, listen, attend, 159/145.
Lite, little, 26/689, 31/836.
Lithe, kind, $61 / 8$.
Loith, for leith, lays it down, 25/661.
Loken, locked, 163/153.
Loment, Lat. a mash, a mess, 200/366.
Lomes or Loomes, A.S. vessels, 203/447, 204/478.
Lone, lane, passage, 177/170.
Longe, owing to, "On the soil it is longe," i.e. it is owing to the soil, 61/194.
Longe-woo, lung-woe, consumption, $3 / 50$.
Longes, lungs, 3/49.
Longeth, belongeth, 189/66.
Longh, rich, vide lough, 50/184.
Lorne, lost, 25/663.
Loues, loaves, cakes, 205/522.

Lough, low, 72/304.
Loure, to look dull, or ill, 144/121.
Louting, bending, bowing, 209/62.
Luke, lukewarm, tepid, 131/731.
Luys, lice, 23/608.
Lyarde, grey-coloured horse, 133/806.
Lygge, to lie, vide Ligge.
Lymous, Lat. muddy, 176/139.
Lyne, flax, 208/28.
Lynyment, Lat. a substance to smear casks with, 202/440.
Lysardes, lizards, 39/1056.
Lyst, imp. the lyste, you please, 17/466, etc.

Maath, maketh, 120/457.
Magma, Lat. dregs, Crocomagma, dregs of saffron, 199/351.
Magre, Fr. malgre, in spite of, mauger, 206/551.
Make, timber, 59/437.
Mal, v. to hammer, 44/17, 122/517.
Male, apple, 216/246, etc.
Malthes, cements, stuccos, Lat. 41/115.
Malves, mallows, 147/206.
Margh, marrow, 21/479.
Mary, marrow, 195/236.
Mascul, male, 201/412.
Mater, matter, material, 208/49.
Matier, Lat. materia, wood, 70/282.
Mayne, vigour, main, 36/870.
Me. This is not always the personal pronoun, but seems to be an abbreviation of "men," and corresponds to the French on. Thus, in the first stanza, "What mon me moost enforme," what man is to be instructed, or one has to inform, and so on. See Stratmann's Dict. voce man.
Meath, mead, 54/282, 90/812.
Meddel, to mix, 118/413.
Mede, meadow, 208/29.

Medessyng, medicine, 29/799.
Medietee, half, 208/34.
Medled, mixed, 27/596.
Meene, less, minor, 64/81.
Meete, sufficient quantity, 199/336.
Melch, adj. full of milk, 99/1080.
Mele, apple, and any tree bearing fruit of that kind, vide Barnaby Googe, $91 / 838$, etc.
Mele, tablemele, bed by bed, tabulatim, 66/148. See Stratmann's Dict. in voce mâl.
Melincoly, ill-temper, 136/883.
Melle, to mix, 92/868.
Mene, middle, intermediate, 4/79.
Mene, centre, Fr. moyen, 75/389.
Menge, or mynge, mix, 13/350.
Merge, Lat. a layer, 208/34.
Mervaille, Fr. marvellous, like wonder, 143/96.
Messe, moss, 86/708.
Mete, meat, 86/708.
Mete, measure, 75/406.
Mete, adj. moderate, 49/158,
Metrete, $M_{\epsilon \tau \rho \eta \tau \eta \rho}$, a measure of about twelve gallons, 203/443.
Mette, measure, 86/708.
Mewe, aviary, 20/526, 125/583.
Mirt, myrtle, 21/568.
Mo, moo, more, 42/1152, etc.
Molde, moldewarp, mole, 34/924, 108/130.
Molsh, soft, 49/141.
Molton, melted, liquid, 54/281.
Mon, man, $1 / 2$.
Mone, month, 45/29.
Moost, must, $78 / 849$.
Morter, Lat. mortarium, a hole in the ground, like a mortar, 108/116.
Mose, to cover with moss, $74 / 365$.
Mougthes, moths, 138/945.
Mousdon, dun-coloured, like a mouse, 133/812.
Moushered, dun-haired, 136/893.
Munyte, Lat. fortified, 157/223.
Must, new wine, passim.

Musty, made with must or leaven, 205/525.
Myddyng, dunghill, 28;750.
Myght, strength, 39/1068.
Mylde, millet, 21/556.
Mylge, dig round, molsh, 74/365.
Myliair, Lat. a vessel with pipes for supplying a bath, 40/1093.
Myne, mineral, 14/374.
Myne, dig, as in undermine, $73 / 34$.
Mynge, mix, 13/350.
Mynt, money, 99/1069.
Myres, gen. of mire, miry, marshy, 35/966.
Myrous, wonderful, 117/858.
Myscheve, fare ill, 23/614.
Myslike, displease, 122/515.
Myttens, gloves, mittens, 43/1167.
Myxe, a damson, 98/1032.
Nal, nail, 51/199.
Namely, especially, 12/306.
Nare, are not, 136/888.
Nasse, was not, 136/886.
Nath, hath not, 7/176.
Neet, bull, 19/506.
Nelde, needle, 22/662.
Ner, nor or never, 135/860.
Nere, never, 154/154.
Neute, newt, eft, 92/865.
Nolde, would not, 186/215.
Nones, fifth or seventh day of Roman month, reckoned from the Calends, 98/131.
Noothing, nothing, " for noothing," on no account, 217/275.
Norice, nurse, 24/646.
Nors, nurse, 105/35.
Nought, useless (nought atte al, altogether worthless), 205/507, etc.
Nowe, no, nullus, 144/155.
Nowe and nowe, immediately, 178/189.
Noyous, noisome, annoying, 18/485. So Spenser, F. Q. 1, 11, 50, " noyous night."

Nygh, to approach, 9/226.
Nyghtertale, night-time, 33/910.
So in Chaucer's Prologue to C. T. v. 97.

Nyl, will not, 53/246.
Nys, is not, 77/450, 204/488.
Object, part. placed in the way, 131/743, 211/124.
Observed, kept, preserved, 116/332.
Obumbre, Lat. shade, 207/13.
Occasion, Lat. harrowing, 207/11.
Offed, divided into cakes, offas, 26/687.
Olde, old age, waning, eld, 59/439.
Olofte, above, 40/1080.
Ones, once, 25/672.
Ones, "atte ones," at one time, 180/22.
Onys, once, 98/1033.
Oo, one, or $1 \frac{1}{2}$ sesquipedalibus, 96/994.
Oon, one, 18/469, 116/833.
Oone, oven, 215/235.
Or, ere, before, 6/138.
Or, o'er, i.e. over, 38/1032.
Or long, overlong, 14/59. So in
Hampole's Pricke of Conscience.
Ose, ooze, 175/116.
Oste, oven, kiln for malt, 17/457.
Other, otherwise, else, 26/687.
Other, outher, or, else, 26/687, 110/174.
Otherwhiles, time after time, occasionally, year after year, 166/65.
Ough, ought, anything, 3/53.
Oures, hours, 168/131.
Outetake, except, 28/758.
Oute-trie, to choose out, 216/257.
Outher, either, 36/976.
Outseeth, project, or look outwards, 135/868.
Outtrie, choose out, 19/514.
Outwith, without, beyond, 12/317.

Over-colde, excessive cold, 189/54.
Overflame, spread over, 42/1139.
Overheled, covered over, 44/15.
Overward, across, 66/139.
Overwhelve, overwhelm, as in Chaucer, 29/781.
Overwrie, cover over, 113/260.
Owe, ought, 149/5. Vide Corrigenda.
Owen, own, suus, 25/674.

Palmy, made of palm-leaves, 203/458.
Pane, pain, malady, 52/879.
Parcel, a part, 189/73.
Parget, plaster of a wall, 16/414.
Partie, part, a partie, partly, 197/278.
Parties, parts, 27/725.
Pastyne, Lat. well - prepared ground, 210/86.
Pastynyng, Lat. preparing ground for vines, 29/772.
Pedifeet, tendrils, little feet, 117/375.
Pere, intrans. to pour, 195/243.
Peire, Lat. perish, 95/964.
Peire, impair, 180/28.
Pellet, a pellicle or skin, 154/144.
Penne, pen, pipe, 177/186.
Pensel, pencil, or brush, 146/165.
Perflable, Lat. pervious to the wind, $37 / 1002$.
Pese, pea, 181/64.
Peson, peas, 106/68.
Petifet, Lat. pediculos, small stalks, 93/902.
Picke, pitch, 186/194.
Picoys, pickaxe, 42/1153.
Pik, pitch, 157/223.
Pike, 186/194.
Piles, pillars, 40/1089.
Pilgramage, pilgrimage, 198/305.
Pipe, large cask, $57 / 382$.
Pipes, veins, 58/389.
Piste, spikenard, 201/411.

Pitch, to place, 127/657.
Pitche, cover with pitche, 89/795.
Pitchelonges, headlong, 150/42.
Plage, Lat. wound, 75/396.
Pleche, plash, interlace, 73/330. See Shakespear, Much Ado, "thick pleached."
Plie, fold, spread, apply, 55/306.
P'ymnent occurs in $9 / 231$, and $11 / 278$. It is evidently an abbreviation, intended perhaps for prominent, used substantively for a president, or foreman. In each case it is the same word in the original, viz. presul.
Poche, bag, 118/408.
Pointe, v. to prick, 208/46.
Poire, poor, 61/3.
Pole, pool, 17/442.
Pomly, spotted, dapple (as in Chaucer, Prologue to C.T., 616), 133/809.
Ponne, pan, 33/909.
Portulake, Lat. pursulain, 23/603, 196/246.
Pose, lay down, assert, 11/285.
Potage-ware, potherbs, 160/57.
Potte, a hole, Lat. puteus, 17/564.
Poury, Fr. pourri, corrupt, 3/39.
Povert, poverty, 296/270.
Powder-caste, covered with dust or fine earth, pulverate, 164/12.
Prasocoride, Gk. a kind of moth, 35/953.
Prickker, rider, 135/845.
Prike, to race, ride, 135/858.
Prike, search for, select, 182/87.
Procuracion, Lat. care, attention, 214/193.
Profluent, Lat. spreading, 209/56.
Prophaned, revealed, made public, 31/147.
Propurtee, property, peculiarity, 165/23.
Provyne, to prepare the vine, 208/31.
Prow, profit, advantage, 98/1040.

Pryk, a pointed instrument, a skewer, 11/214.
Pugges, refuse of corn (see Halliwell), 99/1079.
Pulle, v. to stagnate with pools, 4/89.
Pulles, pools, 38/1032.
Punyk, Carthaginian, punicum malum, pomegranate, 95/951.
Pure, pour, 55/327.
Pusk, Lat. posca, wine and vinegar, 121/526.
Putacioun, Lat. pruning, 209/50.
Puttes, pots, 53/253.
Pyjon, pigeon, 184/145.
Pynne, pain, injury, 37/1006.
Pypyned, furnished with pips, 63/72.

Quenche, ob. int. to be extinguished, 175/127.
Querne, mill, 31/831.
Quod, said, 76/420.
Quysht, quist, couscot, Stratmann's Dictionary, " avis palustris," 28/758.
Quyte, v. quit, acquit, requite, 8/185.

Radish, root, 32/876.
Raf, rubbish, $31 / 827$.
Rain-beronne, overrun by rain, 160/73.
Ramal, old wood, 71/292. Lat. rami inutiles. See Halliwell, under Ramel-wood.
Rancoure, rancidity, 191/111.
Rapte, Lat. seized, crushed, 216/273.
Rathe, early, to rathe, too soon; rathest, soonest, 45/39, 67/151.
Rather thenne, sooner than, 173/66.
Raught, reached, developed, stretched, A.S. racan, 129/682.
Raves or rabes, rapes, 110/170.
Rebel, rebellious, 131/756.

Reclude, shut, 39/1069, 218/1308.
Rede, to advise, 57/370, 192/159.
Redes, ridges, 112/219, 209/73.
Reke, rush, hasten, 8/194.
Relent, loosened, 137/908.
Remewe, romove, 29/777, 54/280.
Rene, rank, row, reign, domain, rêne, Dr. Stratmann takes to be O.Dutch rên (reen), Dan. Swed. rên (reen), O.Fr. rein f., M. H. Germ. rein m. limes, which in Yorkshire is rain, 3/61, 7/159. So in Spenser, F. Q. 6, 2, 9, "In all this forest and wild woody raine."
Repe, a handful or sheaf, 163/135.
Repercusse, Lat. reflected, driven back, 208/23.
Repman, reaper, 158/18.
Repose, put back, $56 / 334$.
Repreve, reproof, 49/151. The old reading was "reprobatur." Gesner's " approbatur."
Restyf, restive, stiff, 181/73.
Revire, revive, revivere, 53/259.
Rewe, row, turn, 71/290.
Rewe, have pity, rue, 137/911.
Reyne, rain, 77/442.
Rigges, ridges, 42/1151.
Right by, close by, near, 105/27.
Risshy, rushy, made of rushes, 204/494.
Robell, rubble, 13/340.
Rody, ruddy, red, 159/25.
Roggy, rough, rugged, 180/86.
Rong, rank, uliginous, 50/169.
Rope, reaped, 183/127.
Rote, rot, 28/750.
Route of, Fr. drive off in confusion, mix all of a heap, 201/397.
Rovyng, roofing, 15/383.
Rowe, rough, 150/31.
Rowe, to cut in rows, 160/54.
Rowne, scream, or roar like the wind, 154/156.
Rucul, the animal, cankerworm, $32 / 355$.

Rucul, the plant, rocket, $31 / 353$.
Ruge, Lat. wrinkle, 20/704.
Rule, line, row, 123/156.
Runcle, wrinkled, 129/679.
Russet, brown, 31/830.
Ryving, splitting, 212/140.
Ryvullynge, wrinkling, 196/258.

Sadd, $v$. to sadden, $14 / 378$.
Sadde, firm, steady, 8/193.
Saluting, bowing, bending, vide Louting, 209/62.
Saly, sallow, willow, 212/139.
Sape, Lat. a kind of new wine, 102/1143.
Sarce, to strain, 202/414.
Sation, Lat. sowing, 207/9.
Saufly, safely, 18/483.
Saunez,Fr.sans, without,101/1122.
Save, safe, 36/973.
Save of, safe from, 36/982.
Savelles, Fr. sable, sands, 14/353.
Saver, smell, 28/751.
Sayne, seyne, say, 35/346-7.
Scalls, scab, 154/138.
Scars, sparingly, $124 / 557$.
Scathe, detriment, harm, 40/1106, 41/1115.
Sclak (qu. slack), loose, crumbling, 173/72.
Scobes, Lat. sawdust, 93/901.
Scole, school, discipline, 44/14.
Scopes, Lat. bundles, 84/643.
Score, to shear, to cut, $153 / 119$.
Scorf, scurf, dandruff, 154/138.
Scorne, cutting, sharpness, 151/50, 154/147.
Scrapes, scrapers, 125/849.
Scriple, scruple, 59/418.
Scyment, cement, 156/190.
Sede, to plant, $151 / 71$.
Sedness, saving, 10/256.
Seeforth, seaweed, 116/335.
Seek, sick, 211/110.
Seekle, sickly, 107/99.
Sek or seek, sick, $25 / 665,94 / 939$.

Seetes, seats, 49/1094.
Seeth, boil, seethe, $17 / 445,10 / 256$.
Segges, sedges, 17/445, 20/525.
Sekirly, surely, 31/843.
Sekkul, sickly, 192/139.
Sekur, secure, confident, 175/115, 216/267.
Selde or seelde, seldom, 94/922.
Sely, simple, weak, harmless, 167/190.
Semycicle, half, 169/148.
Sene, look, examine, 16/410.
Senowy, sinewy, 129/684.
Senvey, mustard, 169/149.
Seriol, Lat. a small cask, 118/393.
Sete, suitable, pleasant, sweet, 59/420, 120/457.
Seth, since, 27/735.
Sevum, Lat. tallow, 42/1141.
Sewe, follow, pursue, 21/474, 146/181.
Sewe, pursuit, 146/184.
Sextar, Lat. sextarius, a pint, 58/146.
Shalkes, chalk, 94/927.
Share, sharp, rough, A.S. scearp, 137/900.
Sharnebodde, sharnbug, beetle, 173/60. Mr. Furnivall refers me to the E.E.T.S. ed. of Ayenbite of Inwyt, p. 61, " ket byeb pe ssarnboddes bet beule) ( $=\mathrm{fly}$ from) be floures, and louiep pet dong." Also Gower's "Like to the sharnebudes kynde." In the Eastern Counties boud= weevil; boud, Lat. mals.
Shent, ruined, 8/189.
Shog, to shake, 198/322.
Shor, short, soon, 182/88.
Side or syde, wide, vast, 98/1052.
Sie, sink, descend, 198/326.
Sith, A.S. afterwards, 111/215.
Sithe, times, 141/28.
Skeppes, baskets, 190/105.
Skewed, piebald, variegated, skewbald, spotted, 26/703.

Slade, valley, 177/176.
Slake, to pour gently, $145 / 146$;
to slacken, fall off, retire, 158/56.
Sle, slay, 34/912.
Sleek, a kind of earth like coal, carbunculus 49/152.
Slen, to slay, 77/453.
Slevying, a slip of a vine or cutting, 67/162, 185/164.
Sloute, to slit, perhaps slonte, 104/12.
Slygh, ingenious, 145/162. So in Chaucer's Troilus.
Slyke, sleek, 26/689.
Smeke, smoke, 160/69.
Smert, smart, 35/940.
Smolder, sub. smoke, 34/929.
Smyke, smoke, 200/362.
Smylle, smell, 183/122.
Snewe, to snow, to scatter, 199/332.
So so after but, indifferently, 217/294.
Soconde, assistance, 37/1019.
Socoure, afford succour, 36/978.
Solar, Lat. solarium, summer apartment, 155/176.
Sonder, separate, 94/145.
Soote, A.S. sweet, $77 / 446,192 / 147$.
Soote, sooty, black, 94/942.
Sore, severely (" to sore," too decidedly, 211/122), 106/74.
Sough, sewer, "locus pro fimo boum," 19/515.
Souke, suck, 187/16.
Sowne, sound, 147/194. So in Spenser, F. Q. 1, 41.
Splatte, to press down flat, 48/123.
Splay, display, spread, 23/625, 83/683.
Spende, $v$. to expend, to consume, 99/1069.
Spende, part. consumed, used (not sold, vide 167/100), 123/540.
Spild, ruined, 118/402.
Spille, failure, 170/164.
Spir, sprout, 98/1034.
Spreyne, sprinkle, 192/161.

Spring, spryng, sprinkle, scatter, spread in $32 / 876$, "springeth their radishes," i.e. sprinkle their root, 24/649, etc.
Sprongen, risen, $74 / 377$.
Spronke, shoot, sprout, 211/116.
Squorges, scourges, flagella, vine cuttings, 65/113.
Stale, stalk, plant, 194/194.
Stalons, stallion-horses, 132/779.
Stalons, bulbs, onions, 113/267, 126/635.
Stampe, to bruise or press down in any way, 218/305.
Stanche, closely, staunchly, 208/315.
Stanry, stony, probably an error in the MS., 86/701.
Staphisagre, staphis agria, wild vine, 32/596.
Stede, a place, 8/204, 141/40.
Steine, stone, jar, amphora, 102/1165.
Steke, to stick, to be crowded, 150/32.
Stele, stalk, but wide Stile, 209/77.
Stene or stone, Lat. amphora, about nine gallons, 116/334.
Stept, steeped, 214/217.
Stere, to stir, 158/12.
Stering, stirring, loose, said of ground, 49/141; active, said of mules, 135/852.
Sterve, die, Ger. sterben, 34/931.
Stewe, fishpond, 28/769.
Steyth, steady, 136/892. See stith in Stratmann's Dict.
Stile, wood, 88/770.
Stocke, to root up, 150/46, 182/92.
Stonde, Lat. cupa, a cask, 39/1051.
Stont, stop, make to stand, 102/1167.
Stonte, an hour, Ger. stunde, 186/207.
Stortes, stalks, 118/387, 206/528.
Stounde, a short time, Ger. stunde, 180/44.

Straite, straightway, immediately, 153/121.
Strange, strong, 4/88.
Stre, straw, 6/146.
Streine, narrow, strait, 177/181.
Streite, narrow, 41/1100.
Strength, $v$. strengthen, 69/239.
Streve, shave, cut, also strew, 101/1127, 190/103.
Streyne, to stretch, 70/268.
Strom, stream, 210/105.
Stry, strie, to strew, to scatter, 61/10, 128/670.
Stulpes, posts, 39/105.
Stynte, forbear, $1 / 7$.
Subact, Lat. subdued, well-worked, 214/216.
Sue, sewe, follow, pursue, 125/585.
Succedent, a follower, 101/1125.
Sumdele, some portion, somewhat, 10/252.
Summyter, summit, top, 111/240.
Sure of, safe from, 197/294.
Surtray, Fr. to strain, 100/1097.
Surtreet, Fr. to withdraw, subtract, 120/460.
Swage, assuage, 136/883.
Swelle, to make to swell, 110/188.
Swerde, sword, 153/119.
Swerde, sward, 3/58.
Sweete, sweat, 18/486, 59/424.
Swete, level, 49/146.
Swethed, swathed, bound, 149/19.
Swon, swineherd, 100/1086.
Swynke, labour, 202/439.
Syde, vast, 129/679.
Syngrene, houseleek, 31/853.
Synk, Fr. five, vide side-note, 84/656.
Sysame, sesame, a kind of wheat, 181/67.

Table-mele, in beds, bed by bed, tabulatim, 66/148.
Tables, garden beds, $30 / 810$.
Tabulette, small tablets, 156/195.

Take, lay hold as a plant does, 49/153.
Tale, account, number, 194/193.
Talgh, tallow, 17/444.
Talions, Lat. talea, truncheons, 96/991.
Talpes, Lat. moles, 24/931.
Targe, delay, 99/1075.
Targyng, tarrying, delay, 86/720.
$\mathrm{Te}, 34 / 934$. In the MS. $t e$ seems an error for the, and so I have printed it.
Teetc, Lat. covered. "Do be tecte," make to be covered, 155/180.
Tempur, temperate, 52/534.
Tende, tendency, 166/60.
Tendron, Fr. young shoot, tendril, 88/774.
Tened, excited, A.S. teón, 130/725.
Tenes, stalks, tendrils, 118/395.
Tente, heed, attention, 196/273.
Tere, to tear, 102/1150.
Tere, to draw, 102/1152.
Teye, tie, 131/752.
Thair, there, or where, 68/191, etc.
That, "the," as in Chaucer, "that oon," and in next line, "that other," 74/359, etc.
Thater, the water, 4/94.
The or thee, succeed, prosper, 97/1012, 111/216.
Thenne, thence, 218/325.
There, Thereas, where, e.g. " there as thowe thou casteth dwell," where you resolve to live, $9 / 234$.
Thereto, in addition, besides (but in $46 / 67$, so much, catenus), 199/339.
Thewes, tempers, 129/695.
Theye, the eye, $161 / 87$.
Thilles, shafts of a cart, 159/38.
Thinke, I think fit, 197/275.
Thitherwarde, witherward, in the direction in which, 146/177.
Thitherwarde, in that direction, 146/180.

Tho, Thoo, then, 65/109.
Thonke, to thank, 159/26.
Thoo, those, 68/194.
Thorgh, through, (go) through, 151/36,
Thorle or Thurle, bore, perforate, A.S. thirlian, 34/925, 111/198.

Thoste, A.S. dung, 39/1077, 116/348.
Threste, thrust, 190/86.
Thriddendele, a third part, 14/478.
Thrie, thrice, 35/959, 179/2.
Thrive do, make thrive, 190/89.
Throut, Theroute, thereout, outside, $33 / 896,117 / 399$.
Thyne, thin, 200/382.
Tibertine, brought from Tibur, or Tivoli, 14/378.
Til, to; intil, into, 152/80, 163/138.
Tile, till, 81/567.
Tilette, small tile, cube, or tessera, 156/195.
Tobreke, break to pieces, 159/16.
Tobrent, burnt up, 104/21.
Tofore, before, 152/88.
Togoon, v. go to, adire, 27/740.
To grounde, ground to pieces, 42/1135.
Togh, i.e. tough, stalk, or tow, 116/342.
Tole, tool, 43/1164.
To-shake, shake to pieces, $52 / 240$, 100/1095.
To, too, e.g. to sore, too sore, too decidedly, 152/88.
To take, take to pieces, 4/74.
Toon, toes, 188/49.
Tort, towards, 107/82.
Toshake, shake well, 163/128.
Towe, instrument, 159/36.
Travaille, Fr: to work, 201/403.
Tre, three, 142/72.
Tree, wood; rule of tree, wooden rule or frame 153/120.
Treen, adj. made of trees, 137/916. So Spenser, F. Q. 2, 39.
Trete of, use, dispose of, 87/741.

Triclyne, Lat. triclinium, diningroom, 15/391.
Trie, choose, see Try.
Triste, trust, 69/224.
Trouble, adj. Fr. dark, muddy, disturbed, 201/400.
Trowe, believe, trust, 76/425.
Trowe, trough, 137/916.
Trowes, troughs, 127/164.
Trumpes, trumpets, tubes, 177/179.
Trunke, to truncate, 107/86.
Try,Fr. to select, pull out, 130/707.
Trymenstre, three-monthly, 61/10.
Tway, two, 169/161.
Tweyne, two, 25/672.
Twie, twice, 35/959.
Two, twice, 214/208.
Twyble, axe, 42/1153.
Twye, twice, 35/957.
Twyk, tweak, pull, 150/26.
Tymber, $v$. to build with wood, 13/335.
Tynnen, made of tin, 152/99.
Uch, each, 17/450.
Uchoon, each one, 51/191.
Umbe, around, 162/106.
Umbigoon, surrounded, 51/197.
Umber, Lat. umbra, shade, 198/329.
Umbidelve, dig round, 115/327.
Umbiyonge, surround, 51/214.
Umbiwette, watered all round, 85/675.
Umbywende, go round, 214/221.
Umvironne, surrounded, 13/824, 119/437.
Unces, ounces, 102/1158.
Uncomber, cease to cumber, 154/51.
Unconnyngly, unskilfully, 107/87.
Understande, persuaded or minded, 68/196.
Undrie, become wet, 189/70.
Undure, unhard, i.e. soft, crumbled, 103/1174.
Uned, made one, 128/680.
Uneled, unbaked, A.S. alan, 174/103.

Unese, to make uneasy, $81 / 562$.
Uneven, $v$. to make rough, 182/100.
Unleest, not least, 18/487.
Unlene, unlean, i.e. fat. 5/96.
Unneth, scarcely, 97/1004, etc.
Unolde, young, 104/9.
Unrest, $v$. trans. disturb, 211/130.
Unresteth, disturbs, 155/114.
Unscomed, unscummed, 168/128.
Unthryue, thrive not, 122/507.
Until, unto, 101/1138.
Unwynk, open, 105/25.
Upon, adv. up; as closed upon, closed up (compare 37/996), 193/353.
Upsette, raise up, 15/395.
Upshette, shot up, thrown up, 36/993.
Upsodowne, upside down, 11/275.
Ure, sub. use, custom, 9/215.
Ure, $v$. to be accustomed, $91 / 845$.
Usyng, wearing, 184/223.
Utter, out, 126/614.
Utter, outwards. "Utter trie," choose out, 54/294.
Utter, out, away; utterdoon, removed, taken away, 144/120.

Vaporositee, Lat. vapour, occurs on a fragment of a torn leaf at the end of the book.
Veer, the spring, 113/251, etc.
Verrey, true, 179/91.
Vessel, to put into a vessel, to pot, 200/362.
Vives, wives, 25/669.
Voide, depart, 13/936.
Voide, remove, clear, 88/762.
Voide, superfluous, 150/23.
Vulturnus, Lat. N.E. wind, 6/144.
Wag, to shake, 209/68.
Wage, payment, produce, 143/82.
Wake, watch, 44/11.
Wanteth, faileth, 88/752.
War, beware of, $9 / 213$.
Ware, lot, collection, 28/756.

Wary, to curse, A.S. werigan, 20/530.
Way, Ger. Weg, away, 70/273.
Wede, garment, 31/330.
Weethe, to twist, bind, 128/676.
Wegge, wedge, 53/246.
Weiveth, waives, forbears, 135/846, 20/530.
Wellesay, interj. alas! well a day! 167/91.
Welner, well near, wellnigh, 52/235.
Wem, spot, stain, 176/157.
Wende, let it go, or be moved, 149/13.
Wending, end of furrow, 44/12; id quod, went, 44/20, 47/26. See a most interesting note in Horne Tooke's Diversions of Purley, vol. ii. p. 374, Taylor's ed.
Wende, weened, thought, 148/219.
Wene, deem, ween, 11/280.
Went, space dug, 47/96.
Wermode, wormwood, 199/334.
Werne, warn, forbid, 170/20.
Wers, worse, 190/101.
Wesshe, wash, dirty water, 40/1105.
Wexed, i.e.waxed, grown,enlarged, 67/181.
While, sub. time, 164/3, 201/389.
Wick, evil, wickedness, 36/973.
Wide, to widen, set apart, 94/925.
Wimble, a gimlet, 190/85.
Winche, tank, 16/426, 93/894.
Wirche, to work, as in Chaucer, 10/259.
Wist, direct, bend, 40/1103.
Wist, known, scitum, 40/1104.
Wite, defend, 20/546.
Wite, know, 31/842.
With, therewith, passim, 90/829.
With, therewith, at same time, 149/10,etc.; with and with,every now and then, 26/711, 193/175.
Withi, withy, willow, 75/412.
Withouten, without, 29/789.

Wlonk, rich, A.S. wlon, 77/449.
See Stratmann's Dict. 571.
Wode, Woode, mad, 6/133.
Wombe, stomach, $3 / 53$.
Wonde, wand, a stick, 123/537.
Wonder, adj. See Wounder.
Wonder, adv. 14/378.
Wones, apartments, $13 / 331$.
Wonte, v. neut. want, fail, 26/700.
Wonte, sub. deficiency, 26/701.
Worching, working, 15/398.
Worlde (see Note on 114/294), a
vast quantity, a world, 159/28;
also time, an age, 193/162, 204/482.
Wortes, cabbage, 35/952.
Wough or Wowe, wall, 29/785.
Wounder, wonderful, 143/99.
Wride, spread abroad, A.S. wridan, to flourish, 51/207.
Wrie, to cover, 6/143.
Wrie, to twist or bend the root of awry, 13/347.
Writhe, bend, 65/118.
Wronge, crooked, twisted, awry, oblique, 115/312.
Wrote, rot, 30/803.
Wrote, collect, heap, 77/445
Wrynge, press, 19/495, 118/408.
Wylous, willows, 92/878.
Wynche, tank, 16/426.
Wyne-tree, vine, 151/57.
Wynne, sub. gain, 61/5.
Wynne, $v$. to gain, 61/4.
Wynne, to gain one's way, 142/75.
Wyse, lead, 47/708.
Yates, gates, 35/964.
Ye, yea, 7/161.
Yeme, to care, to attend, 163/154.
Ydroken, error of MS. for ydronken, see Note.
Yerde, twig or rod, virga, 125/596.
Yerdes, twigs, virgas, 194/212.
Yespon, a double handful, Scotticè Gowpen, 220/15. Ray calls it an Essex word.

Yette, yet, 142/57.
Yeve, give, 24/644.
Yfere, together, 13/320, 72/319.
Yford, intended. For yfonde, intended for, 94/940.
Yfretted, decked out, furnished. A.S. fratan, 130/705. See Morris's Alliterative Poems, p. 339.

Ygone, gone; umbygone about, surrounded, 29/788.
Yhed, hidden, 121/487.
Yheped, heaped up, 219/334.
Yliche, alike, 94/940.
Ymmote, Lat. immoveas, apply, 108/109.
Ymne, hymn, 163/148.
Ympe, plant, 66/142.
Yo, A.S. clay, plaster, 15/402.

Yole, pour, 16/431.
Yolgh, yellow, 22/579.
Yonge, subj. let go, 127/641.
Yorne, often, 17/447.
Yqueinte, quenched, 175/111.
Yre, iron, 153/121.
Yre, rage, 106/54, 153/123.
Yronles, without iron tools, 85/685.
Ysels, ashes, 177/185.
Yshrad, shredded, cleared of the husks, 169/139.
Yshogged, shaken, 198/322.
Yspronge, sprinkled, 33/907.
Ythied, having its thigh, 69/226.
Ytilde, tilted, set (a trap), 110/164.
Ywesh, washed, 28/762.
Ywrie, covered, 33/895, 128/167.

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${ }_{2}$ Strictly lefte should be the perfect tense; leved or left the perfect participle.
${ }^{2}$ On this ryme, irrespective of the flexion, compare stenes, clene, 1750, 1776; seche, leches, 1550; confessours, socour, 1842; jorneies, seize, 220, etc., in the Kindheit Jesu, from MS. Laud, 108, in Dr. Horstmann's Altenglische Legenden, 1875, p. xliii.

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*maturite, obl. 183/125
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wide, $a d v .65 / \mathrm{I} 28$
syde, obl.
abyde, inf. 21/563
devide, v. 3 pl. pres. 89/804
devyde, imper. 15/388, 38/ 1029
devyde, inf. 162/ıo8
glyde, inf. 61/7
syde, a. sing. 99/1060
tyde, obl. 19/493
wyde, $a d v .129 / 680$
wyde, a. pl. 96/98o, 131/737
syde, a. sing.
syde, obl. 99/1058
syde, a. pl.
side, nom. 129/682
wyde, a. pl. 129/685
wyde, adv. 130/709
slide, v. 3 pl. pres.
abide, subj. 163/ı27
slide, inf.
abide, v. 3 pl. pres. 113/254
devyde, inf. 95/967
hide, v. 3 pl. pres. 113/257
slyde, inf.
abyde, inf. 64/93
gide, inf. 64/95
stride, subj.
asyde, $a d v .33 / 1009$
tide, obl.
abide, inf. 214/209
tyde, obj.
abyde, inf. 30/823
beside, $30 / 821$
tyde, obl.
abyde, inf. 13/333
side, obl. $13 / 33$ I
syde, obl. 19/491
wide, a. pl.
side, nom. 129/682
syde, a. pl. 129/684
wyde, $a d v$.
devyde, imper. 65/130
side, obl. 65/ı 3 I
wyde, obl.
side, obj. 48/ıo6
wyde, a. pl.
hide, imper. 86/717
humyde, a. sing. 114/28I
syde, obl. 96/979, 131/739
wyde, adv.
syde, obl. 129/679
syde, a. pl. 130/7II
wride a. sing.
abyde, v. 3 pl. pres. 51/208
devyde, inf. 51/205
-ides (see -ise is and -is is)
besides, adv.
*avis is, 36/992
*gise is, $36 / 989$
-ie, -ye (see -aye, -eye, -i)
accompanye, $p p$.
plie, inf. 55/306
remedie, nom. 55/303
adorifie, inf.
drie, a. pl. 110/181
applie, imper.
multiplie, imper. 178/196
Armenye, a. sing.
drie, subj. 211/122
aspie, inf.
mellifie, inf. 145/159
multiplie, inf. 145/157
butterflie, obj.
crie, v. 3 pl. pres. 155/1 74
hie, a. pl. 147/207
caprifie, inf.
hie, $v .3$ pl. pres. 161/89
remedie, obl. 125/590
signifie, inf. 125/593
theye, obl. 161/88
crie, $v .3$ pl. pres.
butterflie, obj. 155/ı75
crie, subj.
drie, a. sing. 154/158
eye, nom. 154/159
crie, inf.
drie, a. pl. 44/8
crucifie, inf.
flie, obj. 32/864
defie, inf.
drie, a. pl. 102/1 157
wrie, imper. 102/1 159
denye, inf.
drie, a. sing. 115/303
multiplie, inf. 115/305
destrie, inf.
drie, a. pl. 172/26
hie, adv. 172/23
die, v. 3 pl. pres.
husbondrie, nom. 73/343
die, subj.
*enaye, ${ }^{1}$ subj. 50/1 63
*multipli, ${ }^{2}$ inf. 138/936
trie, $v .3$ pl. pres. 138/934
trie, imper. $50 / 165$
die, inf.
drie, a. sing. 10/253
drie, inf. 37/1007
eye, obj. 22/599
fructifie, inf. 116/352
husbondrie, obj. 70/273
intrie, imper. 116/355
luxurie, nom. 61/ı 3
maladie, nom. 22/597
multiplie, inf. 82/588, 210/ı3 216/254
trie, imper. 210/ı02, 216/257
ywrie, pp. 33/895
drie, obl.
twye, adv. 132/778
drie, v. 3 pl. pres.
frie, v. 3 pl. pres. 216/249
husbondrie, nom. 15/384
trie, inf. 90/808
trie, $p p .213 / \mathrm{I}^{11}$
drie, imper.
multiplie, imper. 32/875
skye, obl. 82/605
testacye, a. sing. 156/192

[^102]drie, subj.
Armenye, a. sing. 211/120
hie, adv. 117/375
trie, imper. 117/376
drie, inf.
die, inf. 37/1008
edifie, inf. 14/364
multiplie, inf. 114/291
plie, imper. 205/522
strie, inf. 114/292, 158/10
strie, obl. 128/670
trie, v. 3 pl. pres. 210/94
trie, imper. 265/523
wrie, imper. 13/347, 13/348
ywrie, pp. 128/667
drie, a. sing.
crie, subj. 154/156
denye, inf. 115/306
die, inf. 10/255
eye, nom. 154/I 59
eye, obj. 149/14
espie, imper. 179/5
espie, inf. 155/ı 87
hie, imper. 10/242, 211/106
hie, a. pl. 10/243, 209/66
hie, adv. 12/314
husbondrie, nom. 76/439
lie, v. 3 pl. pres. 53/264
multiplie, inf. 45/28, 78/479,
97/ı008, 112/241, 115/305,
172/40, 180/25, 184/i36,
188/3I
ouerwrie, inf. $3 / 65$
qualifie, int. 48/127
sie, inf. 198/326
signifie, inf. $4 / 68$
thrie, $a d v .179 / 2$
strie, inf. 172/39, 180/26
trie, v. 3 pl. pres. 53/263
trie, imper. 198/327
undrie, inf. 189/70
wrie, inf. 76/438
drie, a. pl.
adorifie, inf. 110/182
crie, inf. 44/ro
defie, inf. 102/ı 160
destrie, inf. 172/25
frie, inf. 58/4 1 3
fructifie, $v .3$ pl. pres. 108/116
fructifie, inf. 30/817
hie, imper. 208/32
hie, a. pl. 18/470, 30/816, 63/
55, 124/564
hie, adv. 172/23
husbondrie, obl. 5/ı19, 27/742 28/749
mortifie, inf. 57/384
multiplie, subj. 165/24
multiplie, inf. 115/322, 192/ 154, 196/262
plie, imper. 218/306
strie, inf. 61/ro
trie, imper. 54/276, 54/294, 108/1 17
trie, inf. 102/1165, 124/562
wrie, imper. 102/II 59
wrie, inf. 6/143, 208/33
ywrie, pp. 218/305
drie, $a d v$.
outtrie, imper. 19/5 14
edifie, inf.
drie, inf. $14 / 363$
espie, imper.
drie, a. sing. 179/4
thrie, adv. 179/2
espie, inf.
drie, a. sing. 155/184
plie, pp. 196/255
wrie, inf. 155/ı 86
fecunditie, nom.
*be, inf. $11 / 285$
*fertilitee, obj. 11/284
flie, obj.
crucifie, inf. 32/862
folie, obj.
husbondrie, obl. 1/2
magnifie, inf. 1/4
frie, v. 3 pl. pres.
drie, v. 3 pl. pres. 216/247
trie, imper. 216/250
frie, inf.
drie, a.pl. 58/412
fructifie, v. 3 pl. pres.
drie, a. pl. 108/114
trie, imper. 108/I 17
fructifie, inf.
die, inf. 116/354
drie, a. pl. 30/814
hie, a. pl. 30/816
intrie, imper. 116/355
trie, imper. 190/83
wrie, pp. 207/8
hie, a. sing.
multiplie, inf. 209/6o
plie, imper. 209/6 I
hie, a. pl.
butterflie, obj. 147/205
drie, a. sing. 10/240, 209/64
drie, a. pl. 18/472, 30/814, 63/ 56, 124/565
fructifie, inf. 30/817
hie, imper. 10/242
putrifie, inf. 186/197
skye, obl. 176/156
trie, inf. 124/562, 176/156, 176/
hie, adv.
destrie, inf. 172/25
drie, a. sing. 12/315
drie, a. pl. 172/26
drie, subj. 117/373
multiplie, imper. 186"/208
trie, imper. 64/97, 117/376
trie, inf. 130/707
twye, adv. 186/205
hie, v. 3 pl. pres.
caprifie, inf. 161/86
theye, obl. 161/88
hie, imper.
drie, a. sing. 10/240, 211/108
drie, a. pl. 208/30
hie, a. pl. 10/241
wrie, inf. 208/33
hie, subj.
scarifie, inf. 125/601
hie, inf.
*dri, ${ }^{1}$ a. pl. 99/1073
multiplie, inf. 99/1076
trie, imper. 216/263
wrie, inf. 216/261
husbondrie, nom.
die, v. 3 pl. pres. 73/342
drie, a. sing. 76/436
drie, v. 3 pl. pres. $15 / 385$
maladie, obj. 25/685
wrie, inf. 76/438
husbondrie, obj.
die, inf. 70/272
husbondrie, obl.
drie, a. pl. 5/ıi8, 27/741, 28/ 748
folie, obj. $1 / 5$
magnifie, inf. $1 / 4$
instrie, imper.
remedie, imper. 180/39
trie, inf. 180/40
intrie, imper.
die, inf. 116/354
fructifie, inf. 116/352
lie, v. 3 pl. pres.
drie, a. sing. 53/261
trie, v. 3 pl. pres. $53 / 263$
luxurie, nom.
die, inf. 61/14
magnifie, inf.
folie, obj. $1 / 5$
husbondrie, obl. 1/2
maladie, nom.
die, inf. 22/600
eye, obj. 22/599
maladie, obj.
husbondrie, nom. 25/686
mellifie, inf.
aspie, inf. 145/160
multiplie, inf. 145/157
memorie, obl.
*territory, obl. 120/468
mortifie, inf.
drie, a. pl. 57/385
multiplie, v. 3 pl. pres.
*done, ${ }^{2}$ pp. 162/126
remedie, nom. 35/954
twye, adv. 35/957

[^103]2 The text is hopelessly corrupt in this instance.
multiplie, imper.
applie, imper. 178/195
drie, imper. 32/874
hie, adv. 186/207
twye, adv. 186/205
multiplie, subj.
drie, a. pl. 165/22
signifie, inf. 65/ro9
trie, inf. 65/ı10
multiplie, inf.
aspie, inf. 145/160
denye, inf. 115/306
die, inf. 82/587, 210/ıoo, 216/ 256
*dri, ${ }^{1}$ a. pl. 99/1073
drie, a. sing. 45/27, 78/477, 97/ 1007,112/239, 115/303, 172/ 37, 180/23, 184/ı34, 188/29
drie, a. pl. $115 / 32 \mathrm{I}, 192 / \mathrm{I} 53$, 196/260
drie, inf. 114/289
drye, v. 3 pl. pres. 84/642
eye, obl. 80/541
eye, obj. 127/65 I
hie, a. sing. 209/58
hie, inf. 99/1075
mellifie, inf. 145/159
plie, imper. 174/99, 209/61
purifie, ${ }^{2}$ inf. 68/191
putrifie, inf. 182/83
strie, inf. 114/292, 172/39, 180/26
thrie, adv. 54/288
trie, v. 3 pl. pres. 84/639
trie, imper. 68/193, 210/ı02, 216/257
trie, inf. 80/544
ouerwrie, inf.
drie, a. sing. $4 / 67$
signifie, inf. 4/68
outtrie, imper.
drie, $a d v .19 / 512$
plie, imper.
accompanye, $p p$. 55/305
drie, a. pl. 218/303
drie, inf. 205/520
eye, nom. 104/ı6
espie, inf. 196/253
hie, a. sing. 209/58
multiplie, inf. 174/ıoı, 209/60
remedie, nom. 55/303
trie, imper. 205/523
wrie, imper. 104/19
ywrie, pp. 218/305
purifie, ${ }^{2}$ inf.
multiplie, inf. 68/194
trie, imper. 68/193
putrifie, inf.
hie, a. pl. 186/199
multiplie, inf. 182/84
qualifie, inf.
drie, a. sing. 48/129
remedie, nom.
accompanye, $p p .55 / 305$
multiplie, $v .3$ pl. pres. 35/956
plie, inf. 55/306
twye, adv. 35/957
remedie, obl.
caprifie, inf. 125/592
signifie, inf. 125/593
remedie, imper.
instrie, imper. 180/37
trie, inf. 180/40
scarifie, inf.
hie, subj. 125/602
sie, inf.
drie, a. sing. 198/324
trie, imper. 198/327
signifie, inf:
caprifie, inf. 125/592
drie, a. sing. 4/67
multiplie, sulj. 65/107
ouerwrie, inf. 3/65
remedie, obl. $125 / 590$
trie, inf. 65/110

[^104]skye, obl.
drie, imper. 82/603
hie, a. pl. 176/158
trie, inf. 176/159
strie, obl.
drie, inf. 128/669
ywrie, pp. 128/667
strie, inf.
drie, a. sing. 172/37, 180/23
drie, a. pl. 61/8
drie, inf. 114/289, 158/8
multiplie, inf. 114/291, 172/40, 180/25
testacye, a. sing.
drie, imper. 156/190
thrie, $a d v$.
drie, a. sing. 179/4
espie, imper. 179/5
multiplie, inf. 54/290
trie, v. 3 pl. pres.
deye, v. 3 pl. pres. 84/642
die, subj. 138/937
drie, inf. 210/92
drie, a. sing. 53/26I
lie, v. 3 pl. pres. 53/264
multiplie, inf. 84/641, 138/ 936
trie, imper.
die, subj. 50/ı 66
die, inf. 210/100, 216/256
drie, v. 3 pl. pres. 216/247
drie, subj. 117/373
drie, a. sing. 198/324
drie, a. pl. 54/274, 54/293, 108/ 114
drie, inf. 205/520
*enaye, ${ }^{1}$ subj. 50/ı63
frie, v. 3 pl. pres. 210/249
fructifie, v. 3 pl. pres. 108/ 116
fructifie, inf. 190/84
hie, adv. 64/98, 117/375
hie, inf. 216/264
multiplie, inf. 68/194, 210/103, 216/254
plie, imper. 205/522
purifie, ${ }^{2}$ inf. 68/191
sie, inf. 198/326
wrie, inf. 216/26I
trie, inf.
drie, v. 3 pl. pres. $90 / 806$
drie, a. pl. 102/ェ163, 124/ 565
eye, obl. 80/541
hie, a. pl. 124/564, 176/158
hie, adv. 130/708
instrie, imper. $180 / 37$
multiplie, subj. 65/107
multiplie, inf. 80/543
remedie, imper. 180/39
signifie, inf. 65/109
skye, obl. 176/I56
trie, $p p$.
drie, v. 3 pl. pres. 213/ı69
twye, $a d v$.
drie, obl. 132/777
hie, adv. 186/207
multiplie, $v .3$ pl. pres. 35/ 956
multiplie, imper. 186/208
remedie, nom. 35/954
undrie, inf.
drie, a. sing. 189/69
wrie, imper.
defie, inf. 102/I I 60
drie, a. pl. 102/I I 57
drie, inf. 13/345
eye, nom. 104/i 6
plie, imper. 104/s 8
wrie, imper. $13 / 348$
wrie, inf.
drie, a. sing. 76/436, 155/184
drie, a.pl. 6/141, 208/30
espie, inf. 155/187
hie, imper. 208/32
hie, inf. 216/264
husbondrie, nom. 76/439
trie, imper. 216/263
wrie, $p p$.
fructifie, inf. 207/10
ywrie, $p p$.
die, inf. 33/896, 128/669
drie, a. pl. 218/303
plie, imper. 218/316
strie, obl. 128/670
-ied
multiplied, $p p$.
wried, $p p .163 /{ }^{4} 46$
wried, $p p$.
multiplied, $p p$. 163/147
-yer (see -ire)
myer, obl.
*desire, imper. 2/38

> -ifte
lifte, a. sing.
swifte, a. pl. 133/795
swifte, a. pl.
lifte, a. sing. 133/793

## -ige

caprifige, adj.
fige, obj. 125/591
fige, obj.
caprifige, adj. 125/589
-igges (see -igg is)
figges, $n$. $p l$.
bigg is, $41 / \mathrm{I} 130$
-igg is (see -igges)
bigg is
figges, $n$. pl. 41/1 128
-igh, -ygh
nygh, a. pl.
sligh, a. sing. 146/169
nygh, adv.
sigh, subj. 28/766
slygh, a. sing. 145/162
sigh, subj.
nygh, $a d v .28 / 764$
sligh, a. sing.
nygh, a. pl. 146/168
slygh, a. sing.
nygh, adv. 145/16I
-yghtes ( $8 e e$-ight is)
anyghtes, $a d v$.
dight is, 117/38I
-ight is (see-yghtes)
dight is
anyghtes, obl. 117/379
-ight, -yght (see -eight)
bright, a. sing.
dight, imper. 16/416
dight, imper.
bright, a. sing. 16/414
light, a. sing. 40/1084, 181/64
light, obj. 19/506
sight, obj. 19/508
dight, inf.
myght, obl. 28/754
sight, obl. 28/75 I
dight, $p p$.
*weight, obj. 41/II2I
downeright, adv.
myght, obl. 36/971
upright, adv. 36/968
light, nom.
myght, obl. 175/107
ydight, pp. 175/ı 10
light, obj.
dight, imper. 19/509
sight, obj. 19/508
light, a. sing.
dight, imper. 40/1085
dight, $p p$. 181/66
light, a. sing. 13/328, 13/329
nyght, obj. 2/30
sight, nom. 2/3 ${ }^{2}$
light, a. pl.
right, adv. 45/49
myght, obl.
dight, inf. 28/753
downeright, adv. 36/970
sight, obl. 28/75 1
upright, adv. $36 / 968$
myght, obl.
lyght, nom. 175/109
ydight, pp. 175/ı 10
nyght, obj.
light, a. sing. 2/33
sight, nom. 2/32
right, $a d v$.
light, a. pl. 45/48
ydight, pp. 62/29
sight, nom.
light, a. sing. 2/33
nyght, obj. 2/30
sight, obl.
dight, inf. 28/753
sight, obj.
dight, imper. 19/509
light, obj. 19/506
myght, obl. 28/754
upright, adv.
downeright, $a d v .36 / 970$
myght, obl. 36/97 I
ydight, $p p$.
light, nom. 175/ro9
nyght, obl. 175/ı 07
right, $a d u v .62 / 3 \mathrm{I}$
-igne (see -ynge, -yne)
assigne, imper.
medicyne, inf. 203/450
reclyne, inf. 203/452
assigne, inf.
*benynynge, ${ }^{1}$ a. sing. 81/556
benygne, adj
declyne, inf. 171/ı 8
vyne, obj. 171/16
digne, a. sing.
canteryne, a. sing. 187/6
carbunculyne, a. sing. 216/ 272
signe, nom.
vyne, obl. 174/90
signe, $o b j$.
vyne, obl. 188/22

> -ik, -yk (see -icke)
brik, nom.
*thicke, a. sing. 156/203
epatik, a. pl.
Indik, a. sing. 201/4 I I
mastic, obl. 201/410
quyk, a. $p l$.
splenetyk, a. sing. 168/125
splenetyk, a. sing.
quyk, a.pl. 168/126

> -ike, -yke (see -eke)

Celtike, a. sing.
epatike, a. pl. 200/361
smyke, obl. 200/362
epatike, a. pl.
Celtike, a. sing. 200/359
smyke, obl. 200/362
galatike, a. sing.
like, a. sing. 45/32
like, v. 3 pl. pres. 45/33
Indik, a. sing.
epatik, a. pl. 201/408
mastic, obl. 201/410
like, a. sing.
galatike, a. sing. 45/30
like, v. 3 pl. pres. 45/33
rubrike, obl. 156/ı97
like, a. pl.
prike, inf. 135/858
like, v. 3 pl. pres.
galatike, a. sing. 45/30
like, a. sing. 45/32
rubrike, a. sing. 217/274
like, subj.
prike, imper. 182/87
pike, inf.
rubrike, obl. 122/512
seke, a. sing. 137/905
thamarike, obl. 218/316
prike, imper.
like, subj. 182/85
prike, inf.
like, a. pl. 135/856

[^105]rubrike, a. sing.
like, v. 3 pl. pres. 217/276
strike, n. pl. 181/63
rubrike, obl.
like, a. sing. 156/ı 99
pike, inf. 122/5 I 4
ulpike, obj. 110/ı 66
unlike, a. sing. 110/165
slyke, a. pl.
strike, obl. 26/687
smyke, obl.
Celtike, a. sing. 200/359
epatike, a. pl. 200/361
strike, $n$. $p l$.
rubrike, a. sing. 181/62
strike, obl.
slyke, a. pl. 26/689
thamarike, obl.
pike, inf. 216/318
ulpike, obj.
rubrike, obl. 110/163
unlike, a. sing. 110/165
unlike, a. sing
rubrike, obl. 110/163
ulpike, obj. 110/ı 66
-ild
fild, $p p$.
spild, $p p$. 118/402
spild, $p p$.
fild, $p p$. 118/400
-ilde, -ylde
cbilde, obl.
mylde, obj. 145/i 52
mylde, a. sing. 145/ı 53
mylde, a. pl. 194/208
wilde, a. pl. 4/69, 58/398, 194/ 205
mylde, nom.
wilde, a. pl. 183/129
mylde, obj.
childe, obl. 145/150
mylde, a. sing. 145/ı53
mylde, a. sing.
childe, obl. 145/150
mylde, obj. 145/152
mylde, $a . p l$.
childe, obl. 194/207
wilde, a. pl. 194/205
wilde, a. sing.
ytilde, $p p$. 110/164
wilde, $a$. pl.
childe, obl. 4/70, 58/399, 194/ 207
mylde, nom. 183/i 27
mylde, a. pl. 194/208
ytilde, $p p$.
wilde, a. sing. 110/162
-ildren (see eldron)
children, $n . p l$.
eldron, n. pl. 26/714
-ildron (see eldron)
childron, $n . p l$.
eldron, n.pl. 6/125
-ile, -yle (see -ille)

Aprile, obl.
while, nom. 164/3
begile, v. 3 pl. pres.
otherwhile, $a d v .175 / \mathrm{I} 21$
while, obl. 175/124
dyle, obj.
skyle, nom. 110/ı68
exile, a. sing.
smyle, inf. 201/390
while, obl. 188/35, 201/389
overwhile, $a d v$.
begile, v. 3 pl. pres. 175/123
while, obl. 175/ı 24
skyle, nom.
dyle, obj. 110/ı 67
smyle, inf.
exile, a. sing. 201/387
while, obl. 201/389
squyle, obl.
*ille, $a d v .100 / 1113$
stile, obj.
Virgile, n. pr. 88/769
vile, $a$. pl.
while, obl. 176/1 55

Virgile $n$. $p$.
stile, obj. 88/770
while, nom.
Aprile, obl. 164/ı
while, obl.
begile, $v .3$ pl. pres. 175/123
exile, a. sing. 188/34, 201/387
otherwhile, $a d v .175 / 121$
smyle, inf. 201/390
vile, a. pl. 176/157
-ille, -ylle (see -yle)
fille, inf.
ille, a. sing. 117/364
ille, a. sing.
fille, inf. 117/363
ille, a. pl.
kille, inf. 32/858
squylle, obj. 32/856
ille, adv.
*squyle, obl. 100/1 112
stille, adv. 114/288
kille, inf.
ille, a. pl. 32/859
squylle, obj. 32/856
spille, $p p$.
wille, nom. 170/165
squylle, obl.
wille, obl. 101/ı 134
squylle, obj.
ille, a. pl. 32/859
kille, inf. $32 / 858$
stille, $a d v$.
ille, $a d v .114 / 290$
wille, nom.
spille, $p p .170 / 164$
wille, obl.
squylle, obl. 101/1 133

## -ille is (see-illys)

wille is
hillys, $n$. pl. 213/ı8
-illys (see -ille is)
hillys, $n$. pl.
wille is, $213 / 182$

## -yme (see -y me)

betyme, adv.
tyme, obj. 30/820
lyme, obl.
tyme, obl. 15/406
pryme, nom.
tyme, obj. 157/227
pryme, obl.
by me, 163/143
tyme, obl.
lyme, obl. 15/405
tyme, obj.
betyme, adv. 30/822
pryme, nom. 157/225
-y me (see -yme)
by me
pryme, obl. 163/141
-in, -yn (see -yne, -ynne)
comyn, obl.
lupyn, obl. 23/609
fyn, $a$. sing.
therein, $a d v .59 / 417$
*wyne, obl. $59 / 415$
immuyn, a. sing.
Juyn, obl. 157/239
Juyn, obl.
immuyn, a. sing. 157/237
lupyn, obl.
comyn, obl. 23/608
therein, $a d v$.
fyn, a. sing. 59/418
*synne, nom. 156/193
*thynne, a. sing. 156/194
*wyne, obl. 59/415

## -inde, -ynde

behinde, $a d v$.
bynde, inf. 153/1 14
kynde, a. sing. 132/760
kynde, obl. 141/33, 153/1 16
rynde, obj. 118/386
rynde, obl. 141/31, 208/43
behẏnde, $a d v$.
kynde, obl. 159/44
lynde, nom. 37/1021
upwynde, inf. 159/47
blynde, a. pl.
kynde, obl. 150/34
bynde, imper.
fynde, inf. 8/206
rynde, obj. 161/100
wynde, imper. 161/Io3
bynde, inf.
behinde, adv. 153/ 117
fynde, subj. 12/321, 212/152
kynde, nom. 74/361
kynde, obl. 153/ı16, 212/r 51
rinde, obl. 74/384
rynde, obj. 74/359
rynde, obl. 212/141
fynde, $v .1$ s. pres.
kynde, a. sing. 148/22 1
fynde, $v .2$ pres. sing.
rynde, obj. 70/26o
fynde, $v .1$ pl. pres.
kynde, obl. 161/95
rynde, obl. 161/93
fynde, subj.
bynde, inf. 12/322, 212/149
kynde, obl. 212/151
kynde, a. sing. 185/180
rynde, obl. 185/177
fynde, inf.
bynde, imper. 8/204
kynde, obl. 15/395, 96/989
kynde, obj. 37/1012
rynde, nom. 96/992
rynde, obl. 109/154, 113/263
wynde, $v .3$ pl. pres. 113/261
wynde, obl. $37 / \mathrm{IO} 10$
kynde, a. sing.
behinde, adv. 132/758
finde, subj. 185/179
fynde, $v .1$ s. pres. 148/2 19
mynde, obl. 145/ri38
rynde, obl. 120/462, 145/ı36, 185/177
wynde, imper. 116/338
wynde, inf. 116/341
kynde, adv.
behynde, adv. 159/46
upwynde, inf. 159/47
kynde, nom.
bynde, inf. 74/362
rynde, obl. 38/1047, 95/953, 104/I 3
rynde, obj. 74/359
unkynde, a. sing. 38/1048
kynde, obj.
finde, inf. $37 /$ Ior 3
mynde, obj. 66/140
mynde, obl. 65/124
wynde, obl. 37/ioio, 65/r2I
kynde, obl.
behinde, adv. 141/34, 153/117,
blynde, a. pl. 150/35
bynde, inf. 153/r14, 212/149
fynde, $v .1$ pl. pres. 161/96
fynde, subj. 212/I 54
fynde, inf. 15/393
lynde, nom. 13/336
mynde, obl. 195/231
mynde, obj. 163/ı $33,193 / \mathrm{r} 63$
rynde, obl. 55/328, 73/349, 97/ 1023, 141/3I, 161/93
unbinde, inf. 71/293
wynde, imper. 193/166
lynde, nom.
behynde, adv. 37/1022
kynde, obl. 13/335
mankynde, nom.
rynde, obl. 193/188
mynde, obj.
kynde, obj. 66/ı47, 163/ı32, 193/土 65
wynde, imper. 193/166
mynde, obl.
kynde, obl. 195/230
kynde, obj. 65/123
kynde, a. sing. 145/1 39
rynde, obl. 145/1 36
wynde, obl. 65/121
rynde, nom.
finde, inf. 96/991
kynde, obl. 96/989
rynde, obj.
behinde, adv. 118/388
bynde, imper. 161/ro2
bynde, inf. 74/362
fynde, $v .2$ sing. pres. 70/262
kynde, nom. $74 / 361$
wynde, imper. 161/ro3
rinde, obl.
bynde, inf. 74/385
rynde, obl.
behinde, adv. 141/34, 208/45
bynde, inf. 212/I43
finde, $s u b j$. 185/179
finde, inf. 96/991, 109/153
fynde, v. 1 pl. pres. 161/96
fynde, inf. 113/264
kynde, a. sing. 120/461, 145/ 139, 185/180
kynde, nom. 38/1045, 95/955, 104/I4
kynde, obl. 55/329, 73/350, 97/ 1025, 141/33, 161/95
mankynde, nom. 193/189
mynde, obl. 145/i 38
rynde, nom. 96/992
unkynde, a. sing. 38/1048
wynde, $v .3$ pl. pres. 113/261
unbinde, inf.
kynde, obl. 71/294
unkynde, a. sing.
kynde, nom. 38/ı045
rynde, obl. 38/1047
upwynde, inf.
behinde, adv. 159/46
kynde, obl. 159/44
wynde, $v .3$ pl. pres.
fynde, inf. 113/264
rynde, obl. 113/263
wynde, imper.
bynde, imper. 101/ro2
kynde, a. sing. 116/340
kynde, obl. 193/165
mynde, obj. 193/163
rynde, obj. 161/100
wynde, inf. 116/341
wynde, inf.
kynde, a. sing. 116/3+o
wynde, imper. 116/338
wynde, obl.
finde, inf. 37/ro1 3
kynde, obj. 37/1012, 65/123
mynde, obl. 65/124
-ine, -yne (see -igne, -ygne)
argentine, a. sing.
entyne, inf. 154/ro4
bryne, obj.
vyne, obj. 107/99
canteryne, a. sing.
digne, a. sing. 187/7
lupyne, nom. 181/59
carbunculyne, a. sing.
digne, a. sing. 216/273
columbyne, nom.
myne, nom. 14/374
declyne, v. 3 pl. pres.
lupyne, obl. 122/508
uryne, nom. 122/506
vyne, obj. 72/302
declyne, imper.
lyne, obl. 71/296
vyne, obl. 71/299
declyne, subj.
enclyne, imper. 28/765
enclyne, subj. 12/296
enmyne, imper. $28 / 768$
shyne, $v .3$ pl. pres. 12/299
declyne, inf.
benygne, a. sing. 171/19
medicyne, obj. 102/ri69
nyne (xx), a. pl. 157/226
shyne, inf. 157/229
vyne, obl. 70/25
vyne, obj. 171/ı 6
declyne, obl.
duracyne, a. sing. 211/121
vespertyne, a. sing. 211/123
discyplyne, nom.
nyne ( $\mathrm{Ix}^{\mathrm{ne}}$ ), a. pl. 161/87
duracyne, a. sing.
declyne, obl. 211/124
vespertyne, a. sing. 211/123
dwyne, inf.
nyne ( $\mathrm{Ix}^{\mathrm{ne}}$ ), a. pl. 75/411
vyne, obj. 75/408
enclyne, imper.
declyne, subj. 28/767
enmyne, imper. 28/768
enclyne, subj.
declyne, subj. 12/298
shyne, $v .3$ pl. pres. 12/299
enmyne, imper.
declyne, subj. 28/767
enclyne, imper. 28/765
entyne, inf.
argentine, a. sing. 152/105
fyne, inf.
maryne, a. sing. 197/291
wyne, nom. 197/286
wyne, obl. 197/289, 200/363
fyne, a. sing.
squillyne, a. sing. 169/ı 34
fyne, $a$. $p l$.
lauryne, a. sing. 209/70
lauryne, a. sing.
fyne, a. pl. 209/69
mastycyne, obl. 109/r44
reclyne, subj. 109/142
lyne obl.
declyne, imper. 71/298
triclyne, obj. 15/391
vyne, obl. 71/299
lyne, obj.
vyne, obl. 66/140
lupyne, nom.
canteryne, a. sing. 181/57
lupyne, obl.
declyne, v. 3 pl. pres. 122/ 509
*fyne is, ${ }^{1} 153 /{ }^{1} 3$ I
uryne, nom. 122/506
*wynys, ${ }^{1}$ n. pl. 153/1 30
maryne, a. sing.
fyne, inf. 197/292
wyne, obl. 197/289
mastycyne, obl.
lauryne, a. sing. 109/545
reclyne, subj. 109/142
medicyne, obl.
pyne, obl. 137/91 1
medicyne, obj.
declyne, inf. 102/ı 168
medicyne, inf.
assigne, imper. 203/453
reclyne, inf. 203/452
myne, nom.
columbyne, nom. 14/372
myne, inf.
reclyne, inf. 73/333
vyne, nom. 73/331
nine ( rx ), $a . p l$.
declyne, inf. 157/228
discyplyne, nom. 161/85
divyne, inf. 75/4 10
pastyne, ${ }^{2}$ inf. $48 / 113$
shyne, inf. 157/229
vyne, obj. 75/408
pastyne, inf.
nyne, ${ }^{2}$ a. pl. 48/1 15
pyne, obl.
medicyne, obl. 137/910
recline, imper.
tarentyne, a. pl. 57/372
reclyne, subj.
lauryne, a. sing. 109/145
mastycyne, obl. 109/144
reclyne, inf.
assigne, imper. 203/453
medicyne, inf. 203/450
myne, inf. 73/334
shyne, inf. 89/797
vyne, nom. $73 / 33 \mathrm{I}$
wyne, obj. 125/608
shyne, $v .3$ pl. pres.
declyne, subj. 12/298
enclyne, $s u b j$. 12/296
${ }^{1}$ In this instance there can be no doubt that the correct reading is lupynes.
${ }^{2}$ MS. nyde.
shyne, inf.
declyne, inf. 185/228
nyne (ix), a. pl. 157/226
reclyne, inf. 89/798
squillyne, a. sing.
fyne, a. sing. 169/ı 36
tarentyne, a. pl.
recline, imper. $57 / 374$
thyne, pron.
wyne, obj. 7/ı 74
triclyne, obj.
lyne, obl. 15/392
uryne, nom.
declyne, v. 3 pl. pres. 122/509
lupyne, obl. 122/508
uryne, obj.
vyne, nom. 219/337
vespertyne, a. sing.
declyne, obl. 211/124
duracyne, a. sing. 211/12 I
vyne, nom.
uryne, obj. 219/339
vyne, obl.
*benynge, ${ }^{1}$ a. sing. 111/206
declyne, imper. 71/298
lyne, obl. 71/296
lyne, obj. 66/1 39
signe, nom. 174/91
signe, obj. 188/24
vyne, obj.
benygne, a. sing. 171/19
bryne, obj. 107/ior
declyne, v. 3 pl. pres. 72/304
declyne, inf. 70/252, 171/18
divyne, inf. 75/410
nyne ( $\mathrm{Ix}^{\mathrm{ne}}$ ), a. pl. 75/411
wyne, nom.
fyne, inf. 197/287
myne, imper. 73/334
reclyne, inf. 73/333
wyne, obl.
*enclyne is, ${ }^{2}$ 199/34 ${ }^{1}$
*fyn, a. sing. 59/418
fyne, inf. 197/292, 200/364
maryne, a. sing. 197/291
reclyne, inf. 125/609
*therein, adv. 59/417
thyne, pron. 7/175
*wyne is, ${ }^{2}$ 199/340
ynne, adv. 127/657
-ynes (see-ine is, -yne is, -ynne is)
vynes, $n$. pl.
*pynne is, $37 / \mathrm{I} 006$
vine is, $67 / \mathrm{I} 7 \mathrm{I}$
wynes, n. pl. 37/1005, 63/77, 71/286, 171/14
wyne is, $7 / \mathrm{I} 7 \mathrm{I}, 48 / \mathrm{I} 26$
wynes, $n$. pl.
*pynne is, $37 /$ roo6 vynes, n. pl. 37/1003, 63/76, 71/287, 171/13
-ine is, -yne is (see -ynes, -ynys)
enclyne is
wyne, ${ }^{2}$ obl. 199/338
wyne is, 199/340
fyne is
lupyne, ${ }^{3}$ obl. 153/ı28
wynys, $n$. pl. 153/ı 30
vine is
vynes, n. pl. 67/169
vyne is
vynys, n. pl. 69/225
wyne is
enclyne is, 199/341
vynes, $n$. $p l$. 7/169, 48/125
wyne, ${ }^{2}$ obl. 199/338

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-ynys(see -yne is)
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vynys, $n$. $p l$.
vyne is, 69/227
wynys, $n$. $p l$.
fyne is, $153 /{ }^{2} 3$ I
lupyne, ${ }^{3}$ obl. 153/128

[^106]-ing, yng (see -inge, -ynge)
anything, obl.
slevyng, obj. 67/163
*springe, inf. 67/166
boring, obl.
*bringe, inf. 97/1014
bring, inf.
everything, obl. $1 / \mathrm{I}$ I
housyng, obl. 1/9
chillyng, a. sing.
*graffinge, obj. 98/ro47
*sprynge, imper. 98/1048
clevyng, obl.
germynyng, obl. 115/316
connyng, obj.
gynnyng, nom. 178/212
spryng, inf. 178/215
*uphinge, inf. 178/2 7
coveryng, obl.
*bringe, inf. 14/369
worching, obl. 14/366
defervyng, obl.
*boylinge, nom. 204/488
*brynge, inf. 204/487
dounging, obl.
*brynge, inf. 114/301
everything, obl.
bring, inf. 1/I 2
housyng, obl. 1/9
germynyng, obl.
*brynge, inf. 128/674
clevyng, obl. 115/318
spryng, inf. 128/677
gynnyng, nom.
connyng, obj. 178/214
spryng, inf. 178/215
*uphinge, inf. 178/217
growing, a. pl.
kytting, obl. 69/239
helping, obl.
*brynge, inf. 21/548
*flynge, inf. 21/550
housyng, obl.
bring, inf. 1/12
everything, obl. $1 / \mathrm{I}$ I
husbondyng, obl.
*kepynge, obl. 18/468
kytting, obl.
growing, a.pl. 69/241
likyng, obl.
*Alynge, subj. 132/762
spryng, inf. 132/761
meddissyng, pres. $p$.
spryngyng, obl. 29/798
pastynyng, obj.
*sowynge, nom. 151/75
*sprynge, v. 3 pl. pres. 151/
74
pastynyng, obl.
*dichinge, obl. 46/73
ryvullyng, obl.
*sprynge, inf. 196/259
slevyng, obj.
anything, obl. 67/165
*springe, inf. 67/166
slevyng, obl.
cherisshinge, nom. 185/165
*sprynge, inf. 185/166
spryng, inf.
*brynge, inf. 128/674
connyng, obj. 178/214
*flynge, subj. 132/762 germynyng, obl. 128/676
gynnyng, nom. 178/212
likyng, obl. 132/759
*uphinge, inf. 178/217
spryngyng, obl.
meddissyng, pr. p. 29/797
tyllyng obl.
*brynge, inf. 29/774
*pastynynge, obl. 29/772
tuppyng, nom.
*sprynge, subj. 145/155
vessellyng, obl.
*bespringe, inf. 191/ı09
*wrynge, obj. 191/ro7
worching, obl.
*bringe, inf. 14/369
coveryng, obl. 14/358
-inge, -ynge (see-igne, -ing, -yng)
benynge, ${ }^{1}$ a. sing.
vyne, obl. 111/204 benynynge, ${ }^{1}$ a. sing.
*assigne, inf. 81/554
bespringe, inf.
*vessellyng, obl. 191/ı 1 o wrynge, obj. 191/107
blossomynge, obl. delvynge, obl. 87/738
boylinge, nom.
brynge, inf. 204/487
defervynge, obl. 204/485
boilynge, obj.
vessellinge, obl. 118/410
wrynge, obl. 118/408
bredynge, obl.
brynge, inf. 24/632
legginge, obl. 24/634
brynge, v. 3 pl . pres.
[s] prynge, $v .3$ s. pres. 136/896
bringe, imper.
sittynge, a. sing. 22/586
springe, obl. 22/585
bringe, inf.
*boring, obl. 97/IO15
*coveryng, obl. 14/368 springe, inf. 79/504
*worching, obl. 14/366
brynge, inf.
boylinge, nom. 204/488
bredynge, obl. 24/635
*defervyng, obl. 204/485
*dounging, obl. 114/300 flynge, inf. 21/550, 202/425
*germynyng, obl. 128/676 graffynge, nom. 117/369 growinge, obl. 202/424
*helping, obl. 21/55 I legginge, obl. 24/634 pastynynge, obl. 29/772 servynge, nom. 113/25I
*spryng, inf. 128/677 springe, imper. 99/1071
sprynge, subj. 117/366
sprynge, inf. 103/1175, 112,
$225,124 / 559$
*tyllyng, obl. 29/775
burgynynge, obl.
chinge, inf. 74/373
springinge, obl. 74/375
cherisshinge, nom.
*slevyng, obl. 185/ı63
sprynge, inf. 185/I66
chinge, inf.
burgynynge, obl. 74/376
springinge, obl. 74/375
delvynge, obl.
blossomynge, obl. 87/736
dichinge, obl.
*pastynyng, obl. 46/71
durynge, obj.
sprynge, v. 3 pl. pres. 210/97
flynge, v. 2 s. pres.
sprynge, $v .3$ pl. pres. $151 / 55$
flynge, subj.
*likyng, obl. 132/759
*spryng, inf. 132/761
flynge, inf.
brynge, inf. 21/548, 202/422
growinge, obl. 202/424
*helping, obl. 21/55 I
germynynge, obl.
thinge, obl. 126/630
graffynge, nom.
brynge, inf. 117/368
sprynge, subj. 117/366
graffinge, obj.
*chillyng, a. sing 98/1045
sprynge, imper. 98/1048
growinge, obl.
brynge, inf. 202/422
flynge, inf. 202/425
husbondynge, nom.
thynge, obl. 6/146
kepynge, obl.
*husbondyng, obl. 18/469

[^107]legginge, obl.
bredynge, obl. 24/635
brynge, inf. 24/632
mynge, imper.
wattrynge, imp. p. 119/420
pastynynge, obl.
brynge, inf. 29/774
*tyllyng, obl. 29/175
planntynge, obl.
taryinge, obj. 112/233
wedynge, obl. 112/235
servynge, nom.
brynge, inf. 113/252
synge, inf.
watermynge, $p p$. 94/939
sittynge, a. sing.
bringe, imper. 22/583
springe, obl. 22/585
smellinge, a. sing.
wanynge, obl. 89/78o
sowynge, nom.
*pastynyng, obj. 151/72
sprynge, v. 3 pl. pres. 151/74
springe, obl.
bringe, imper. 22/583
sittynge, a. sing. 22/586
[s]prynge, 3 s. pres.
brynge, v. 3 pl. pres. 136/897
springe, v. 3 pl. pres.
springe, inf. 194/210
tothinge, obl. 25/665
sprynge, v. 3 pl. pres.
durynge, obj. 210/98
flynge, v. 2 s. pres. 151/56
*pastynyng, obj. 151/72
sowynge, nom. 151/75
springe, imper.
brynge, inf. 99/1070
sprynge, imper.
*chillyng, a. sing. 98/1045
graffinge, obj. 98/1047
sprynge, subj.
brynge, inf. 117/368
graffynge, nom. 117/369
*tuppyng, nom. 145/154
waterynge, obj. 109/i40
springe, inf.
*anything, obl. 67/165
bringe, inf. 79/503
*slevyng, obj. 67/163
springe, v. 3 pl. pres. 194/209
tillynge, obj. 81/560
sprynge, inf.
brynge, imper. 103/1176
brynge, inf. 112/227, 124/560
cherisshinge, nom. 185/165
*ryvullyng, obl. 196/258
*slevyng, obl. 185/163
springinge, obl.
burgynynge, obl. 74/376
chinge, inf. 74/373
taryinge, obj.
planntynge, obl. 112/236
wedynge, obl. 112/235
thinge, obl.
germynynge, obl. 126/629
thynge, obl.
husbondynge, nom. 6/147
tillynge, objj.
springe, inf. 81/559
tothinge, obl.
springe, v. 3 pl. pres. 25/664
uphinge, inf.
*connyng, obj. 178/214
*gynnyng, nom. 178/2 12
*spryng, inf. 178/215
vessellinge, obl.
boilynge, obj. 118/4 1 I
wrynge, obl. 118/408
wanynge, obl.
smellinge, a. sing. 89/778
waterynge, obj.
sprynge, subj. 109/ı 39
watermynge, $p p$.
synge, inf. 94/941
wattrynge, imp. $p$.
mynge, imper. 119/419
wedynge, obl.
planntynge, obl. 112/236
taryinge, obj. 112/233
wrynge, obj.
bespringe, inf. 191/ı09
*vessellyng, obl. 191/ı 10
wrynge, obl.
boilynge, obj. 118/4 I
vessellinge, obl. 118/410

## -inges, -ynges

strynges, $n$. pl.
thinges, $n . p l .152 / \mathrm{ion}$
thinges, $n$. $p l$.
strynges, n. pl. 152/99
-ingeth (see -engeth)
springeth, v. 3 s. pres.
mengeth, imper. $32 / 878$
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recluse, obj.
use, inf. 218/307
refuse, $v .3$ pl. pres.
excluse, pp. 217/278
use, inf. $217 / 275$
refuse, imper.
excuse, imper. 215/229
excuse, inf. 215/226
refuse, inf.
use, inf. 201/398
use, inf.
excluse, $p p .217 / 278$
infuse, $p p$. 198/32 I
recluse, obj. 218/308
refuse, $v .3$ pl. pres. 217/277
refuse, inf. 201/399
-used
excused, $p p$.
used, $P p .16 / 4^{2}$ I
used, $p p$.
excused, pp. 16/423

## -useth

enfuseth, v. 3 s. pres.
useth, v. 3 s. pres. 181/50
useth, $r .3$ s. pres.
enfuseth, v. 3 s. pres. $181 / 5^{2}$
-utte
cutte, imper.
putte, inf. 56/353
putte, inf.
cutte, imper. 56/35I

## NOTE ON THE RYME INDEX.

The Ryme Index to "Palladius on Husbondrie" here printed was originally begun by the late Rev. Barton Lodge, the Editor of the text. But little, however, was completed at the time of his death, and the work was then taken up by Mr. Henry Cromie, already well known for his Chaucer ryme index. Unfortunately, in the summer of last year, his health gave way, and he was in consequence compelled to give up literary work for a time, and the task was passed over to me. Mr. Cromie had, however, before his illness, prepared a considerable portion of the work for the press, and my share was proportionately lightened, being confined to the arranging of some of the later slips under their proper heads and the seeing the sheets through the press.

In carrying out the notice printed at the beginning of the ryme index as to incorrect or apparently incorrect rymes, the scribe's spelling was taken as the criterion. Experience, however, has convinced me that this was a mistake, for his extreme carelessness and his inconsistency in the use of the final $-e^{1}$ have completely spoilt many rymes

[^109]which, as the author himself wrote them, were in all probability perfect. Most of these have been pointed out in the footnotes.

A few notes on Mr. Lodge's Introduction, etc., mainly by Mr. Henry Nicol, are here subjoined.

## INTRODUCTION.

Page xii. Boon, bones, is not an -n plural. Eyon is an -n plural, not an -er-en.

The instances cited of supposed plurals of nouns in -e appear to be all singulars; it is a point of syntax, not inflexion.

Page xiii. There is no omission of of in the phrases given; as Professor Zupitza has pointed out in Sir Guy; they are remains of the old genitive construction, of which numerous instances might be adduced.

Page xiv. Adjective with -es in the plural. This appears very doubtful; clennes is not the plural of clean, but the noun cleanness. See Chaucer, Prologue, 505; the Catholicon Anglicum gives "Clennes; honestas, puritas," etc. Eschew is itself a very good adjective; 0. French eschiu, "Eschevé; eschewed, shunned, avoided."-Cotgrave.

Page xv. Bette and mo are distinct from better and more in Old English.

Page xvii. -liche is not the original form of -ly; they are independent outcomes of -lice.

Page xviii. It is not that to has been "omitted before the infinitive," but to not inserted.
" To redundant before the imperative:" this seems doubtful, may it not be the intensitive use of the prefix to? See the note to 4/74.

Page xix. Nominative absolute. Is it the nominative? The first of the examples appears doubtful: "lycoure shed" may be the objective after the verb up-drie. In the fourth, thaire may, as elsewhere, mean where.

Mr. Lodge has entirely omitted to point out that the translator's English is full of Latin constructions; and that in consequence the word-order, etc., are frequently quite unnatural. A large proportion, too, of the words are Latin.

## NOTES.

Page 221 : $2 / 23$. Wholesome was so spelt because people pronounced it with $w h$-, a $w$ having developed from the labial vowel, as in whore, etc. It afterwards went into $h$ as it did in who, whoop, etc.

Page 222: 15/400. "In . . . . standard speech the final guttural was no doubt silent." Just the speech in which we know, from the 16th century grammarians, that it was not silent.

15/402. "Yo;" query if not a scribal error for yno, sufficiently.
18/463. Grece (plural of gre, a step) is in Richardson, with several examples. Greece in Bacon is one.

Page 223: 50/172. "It would seem as if the pronunciation varied with the spelling." Rather the spelling varies with the pronunciation.

Page 225: 69/236. Mr. Nicol proposes to read "maketh the" (thrive) for " ains the."

Page 226: 84/656. Synk for cinc ( $\operatorname{cinq}$ is a false modern French spelling) is no more grotesque than search for eercher.

Page 228: 121/472. (Nach-)ahmen comes from 0. French aesmer (whence English aim); and is not old Teutonic at all. What harme here does mean it seems impossible to say; probably there is some error on the part of the scribe.

Page 229 : 153/129. It seems more probable that the first, not the second, syllable of the last word of the line is wanting. Query read temperate for ther ate ?

> GLOSSARY.

Atteroppes, read Attercoppes.
Browsty: reference should be $219 / 344$.

Burgyne: reference should be $55 / 307$.
Cannibe: reference is wrong.
Caprify, read Caprifie : refercnce should be 125/592.
Cave upon: dele the comma between these words.
Chaunging: the reference is wrong; read $7 / 163$.
Cloft, 89/795 : omitted : probably an error for alofte or olofte.
Couthe, could: dele the could: the reference should be 39/1061.
Entere : reference should be $11 / 279$.
Ereither : for 397/75, read 75/397.
Foolde : references should be $37 / 1021,88 / 770$.
Medessyng, read Medissyng : reference should be 29/797.
Pastyne, 210/86: read Pastyn.
P'ymnent, read P'mynent.
Portulake, Lat. pursulain. The English is purslain, Lat. portulaca.
Pike, 186/194: dele.
Stanry, 86/701 : read Stannry, 86/708.
Sterve is 0 . E. steorfan (cognate with G. sterben).
Stulpes: the reference should be $32 / 1054$.
Teetc, read Tecte.
There, thereas: in second line omit thou.
Tort: reference should be $107 / 83$; add $159 / 33$.
S. J. H.

## CORRIGENDA.

The Editor laments to find so many instances of incorrectness-

> "quas aut incuria fudit
> Aut humana parum cavit natura."

He can only point them out, and beg the benignant reader to amend them with his pen. Many of them relate to the final $e .-\mathrm{B} . \mathrm{L}$.

| $2 / 23$, read hoole, stande. | 12/314, read atte. |
| :---: | :---: |
| $2 / 29$, ", depe are noone. | 12/315, ", grounde. |
| 2/31, , wele. | 13/335, ,, tymbre. |
| $3 / 40$, , smelle. | 13/338, ", weel or. |
| $3 / 53$, , swelle. | 14/366, " sette. |
| $3 / 56$, , doubte. | 15/400, , ygrounde. |
| $3 / 62$, , and. | 17/446, , lete. |
| $3 / 63$, , noone. | 20/525, ", goode. |
| 5/105, " espie. | 20/528, ", eschewe. |
| 5/111, ," therfore. | 20/532, ," turne oute |
| 7/153, , sayen. | 21/562, „, faate. |
| 8/184, ," uppe. | 22/577, ", askes |
| 8/189, ", tourne. | 22/594, ,, grounde. |
| 8/193, ," lande. | 25/678, , bespronge. |
| 8/200, ", lande. | 27/723, " maner. |
| $9 / 235$, the 2nd "seed" should have the final $e$. | 29/771, ", helpe. <br> 29/775, , tyllinge. |
| 9/236, read greyne. | 29/786, ,, wall |
| 10/254, ,, maner. | 30/826, „, doon |
| 10/260, , trymenstre. | 31/837, ", shou |
| 11/281, ", beye. | 34/937, ,, hertes horne. |
| 1/291, „, fresshe. | 34/938, ", lilee. |
| 12/303, ," wilt. | 35/944, , soure. |


| 36/973, read wreke. | 63/64, read saie. |
| :---: | :---: |
| 37/1009, ,, yerde. | 64/104, , doune. |
| $37 / 1012$, ,, of instead of or. | 65/110, insert at beginning " The |
| 38/1026, ,, noon. | $65 / 112$, read in w |
| 38/1043, ," titimalle | 65/132, ", in an acr |
| 40/1094, ," seetes. | 65/162, space for a word should |
| 40/1130, ,, suffisantly bigge. | have been left before "besinesse" probably " better" |
| 44/5, ,, alle. | 67/177, read lite. |
| 44/7, „, alle. | 67/188, ,, ende. |
| 45/33, ,, nowe. | 68/195, , maner. |
| 45/35, ,, assaileth. | 71/292, ,, ramal. |
| 46/65, ", so. | 72/308, ", kerve. |
| 47/81, " thenne. | 73/347, " And. |
| 47/97, ", breres. |  |
| 48/114, so in MS., but qu.? dis cusseth $?=$ divide. Imperative. | shave." <br> 75/386, read And. |
| 48/115, read twyes. | 76/437, , cley and mose. |
| 49/146, ," swete. | 78/476, " settyng. |
| 49/149, ,, wrecched. | 78/479, side-note, read no |
| , " s |  |
| 52/219, ," houre. | 79/513, read eree. |
| 52/234, ,, tempur. | 80/538, ", lilly. |
| 54/288, „, moone. | 81/556, „ benygne. |
| 54/291, ," atwene. | 81/559, ", is goode to sowe. |
| 54/300, ,, stoone. | 86/702, ,, warme. |
| 55/311, ,, water. | 86/704, ,, ther. |
| 55/329, „, propre. | 87/730, ", swete. |
| $56 / 349$, side-note read or. | 88/750, „, lete. |
| 57/371, read copron. | 89/782, ", puld. |
| 59/414, „, nowe. | 89/789, remove commato next word. |
| 59/417, " therin. | 89/790, read contynuelly. |
| 59/435, „, nowe. | 90/829, before hem insert trede. |
| 61/19, " an. | 92/870, read "scrape" in both |
| 62/42, ," feire. | places. |


| 92/882, read faire instead of save. | 136/897, read colours. |
| :---: | :---: |
| 97/1005, ," Moche. | 140/9, , atte. |
| 97/1015, , boringe. | 141/45, ," thi. |
| 98/1037, , out. | 142/65, ,, kyndes. |
| 98/1057, ," vive. | 142/69, in side-note, petroselinon. |
| 101/1114, " halde. | 145/153, read commyxt. |
| 102/1149, ," of instead of as. | 146/177, remove stop at end. |
| 104/1, " atte. | 146/181, read sewe. |
| 106/61, " luke water. | 147/205, „, slee. |
| 109/157, ", hem after touche. | 149/5, ", owe instead of are. |
| 110/164, ," grene. | 149/13, " wende. |
| 111/206, ", benygne. | 149/21, " matier. |
| 116/337, " the trunke. | 150/25, ", noo. |
| 116/355, ", firthe. | 150/38, ", ayeine. |
| $117 / 370$, ," seyointe, i.e. sejunctæ. <br> [this | 150/46, ", stocke. <br> 152/103, ", this. |
| 117/378, ," in this instead of or | 152/104, ,, enlyne. |
| 119/441, ," handes. | 153/128, ", lupynys. |
| 120/445, ," ytild instead of and tild. | $\begin{aligned} & 155 / 166, ", \text { dele semicolon. } \\ & 156 / 199, ", \text { and. } \end{aligned}$ |
| 120/446, , enclose. | 157/237, ," drope. |
| 120/454, ,, so be instead of so that. | 160/71, ," stondyng. 162/119, ,, shepe. |
| 122/509, ", yit. | 162/126, ," drie instead of done. |
| 122/521, ", graffed. | 163/127, ,, sifte. |
| 124/570, ", is holde. | 163/136, ,, ooen. |
| 127/665, ," brynnyng. | 163/141, , xxir. |
| 133/786, ," other. | 163/144, ," chaire. |
| 133/792, ,, buttockes. | 163/148, " ymne. 166/51, " wattred. |
| 134/839, a whole line omitted. | 168/119, ", ikeste. |
| See Note. | 170/165, ", yit. |
| 135/845, read Prikker, i.e. Rider. | 170/168, ,, prince I mene. <br> 171/7, , vynes roote. |
| 136/888, " remove comma | 172/46, " besinesse. |
| after nare. | 176/134, ", uppe. |



Other readings which Mr. Skeat, in the Academy, has specified as probable errors, are printed as in the MS., e.g. oons, 114/293; ons, 147/214; thens, 30/818; een, 129/677; colours, 133/804.

Consequent on the above the following corrections should be made in the Ryme Index:-

Page 260, l. 17, the footnote refers to the heading ayne is.
,, 266, col. 2, dele heading -and. 267, col. 1, ll. 23-37, for land read lande. 272 , col. 2, under-aunce add to abundaunce, fecundaunce, obl. 134/838; pleasaunce, obl. 134/836.
,, 273, col. 1, l. 4, to fecundaunce $a d d$ abundaunce, obj. 134/839.
,, 273, col. 1, l. 10, to pleasaunce add abundaunce, obj. 134/839.

Page 286, col. 1, under heading -een for atween read atwene, dele the asterisks, and transfer to $p .298$, col. 2, under the headiny -ene.
290, col. 1, dele all under heading -eir.
290, col. 2, 1. 4, for feir read feire; dele *.
290, col. 2, 1. 8, under feire, a. pl., add appeire, inf. 62/4 1.
295, col. 2, dele all under heading -end.
296, col. 2, 1. 29, for end read ende; dele *.
297, col. 1, 1. 13, add descende, inf. 67/189.
322, col. 2, l. 11, add multiplice, (sic) 162/125.
327, col. 1, under heading -igne, dele -ynge, and add under
benygne, a. sing., assigne, inf. 81/554; vyne, obl. 71/299.
334, col. 1, under -ing, l. 4, for boring read boringe, dele the
asterisk from bringe, and transfer to $p .335$ under -inge.
334, col. 2, for ryvullyng read ryvullynge, dele asterisk from
sprynge, and transfer to $p .336$, col. 1.
334, col. 2, for tyllyng read tyllynge, dele the asterisks and
transfer to $p .336$, col. 2.
332, col. 1, under lupyne, obl., dele fyne is, and wynys and
footnote 1.
333 , col. 2, ll. 6 and 24, for lupyne read lupynys.
333, col. 2, under heading -ynys, for lupyne read lupynys,
and add lupynys, obl., fyne is, $153 / 13 \mathrm{I}$, wynys, $n$. pl.
$153 / \mathrm{I} 30$, and dele footnote 3.
339 , col. 2, under -is, for thus read this; dele *.
346, col. 1, last line but one, for serjointe read seyointe.

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CIRCULATE AS MONOGRAPH


[^0]:    ${ }^{1}$ Orig. "et siqua fundentur ex poculis velociter rapta desuget."
    ${ }^{2}$ Orig. "Noctua pennis patentibus extenta suffigitur."

[^1]:    1 "Si infossione totius corporis obsuatur." . 2 "Antequam germenint." 3 "His ordinatis."

[^2]:    ${ }^{1}$ nutrire.
    ${ }^{2}$ pomos.

[^3]:    ${ }^{1}$ Vel fertile.
    ${ }^{2}$ Vel palude.

[^4]:    ${ }^{1}$ mediocris. $\quad 2$ attendere. ${ }^{3}$ corpore. $\quad{ }^{4}$ arbores.
    ${ }^{5}$ stagnet (verbum est). $\quad 6$ elonget (verbum est).

[^5]:    ${ }^{1}$ sc terra. $\quad 2$ sc terra. $\quad 3$ dimitte jacere. $\quad 4$ crescere.

[^6]:    1 crates.
    2 nolo.
    ${ }^{3}$ pono.

[^7]:    ${ }^{2}$ recuret verbum est.

[^8]:    ${ }^{1}$ crassa cana. $\quad{ }^{2}$ palude. 3 contusa.

[^9]:    ${ }^{1}$ mox. ${ }^{2}$ expectet. ${ }^{3}$ acie. ${ }^{4}$ ascia. ${ }^{5}$ glutinosa. ${ }^{6}$ longum. ${ }^{7}$ fusoriis relictis. $\quad{ }^{8}$ fundas. $\quad{ }^{9}$ testaceum parimentum. ${ }^{10}$ diu.

[^10]:    1 genesta.

[^11]:    Give them also ants' eggs. To rub their beaks with garlic and tar will cure the pip.

[^12]:    ${ }^{1}$ non refert.

[^13]:    ${ }^{1}$ rubi, v mori, v bati. ${ }^{2}$ rubum caninum.

[^14]:    ${ }^{1}$ radix.
    2 beddes.
    ${ }^{3}$ faciat. ${ }^{4}$ celeriter.

[^15]:    ${ }^{1}$ cucumer. ${ }^{2}$ coloquintida. 8 tritum. ${ }^{4}$ psilotrum. ${ }^{5}$ terram. ${ }^{6}$ ille auctor.

[^16]:    1 vigour.
    ${ }^{2}$ non virginis.

[^17]:    ${ }^{1}$ Vel taxus.

[^18]:    ${ }^{1}$ placida, clemens. $\quad 2$ lætantur. ${ }^{3}$ quin. ${ }^{4}$ opi.

[^19]:    ${ }^{1}$ detegere.

[^20]:    ${ }^{1}$ sarmenta.

[^21]:    ${ }^{1}$ bacham. ${ }^{2}$ caprini stercoris. ${ }^{3}$ bacham. *ambint.

[^22]:    ${ }^{1}$ quia.
    2 liquide.
    3 circumfode.

[^23]:    ${ }^{1}$ brenne. $\quad 2$ creature. $\quad 3$ supple Dei,

[^24]:    1 stoon.
    2 surculum.

[^25]:    ${ }^{1}$ Vel lucrari.
    ${ }^{2}$ Vel commoduum.
    3 slyde.
    4 Vel seminare.

[^26]:    ${ }^{1}$ Vel occa.
    ${ }^{2}$ Vel with.

[^27]:    ${ }^{1}$ sc. lande.
    2 frondosas.

[^28]:    ${ }^{1}$ sc. minor. $\quad 2$ sc. knottes.

[^29]:    1 flagilla.
    2 foliosi.

[^30]:    ${ }^{1}$ vinacea. ${ }^{2}$ knottes. ${ }^{3}$ arbusta. ${ }^{4}$ yointes. ${ }^{5}$ SC. delve. ${ }^{6}$ ille auctor.

[^31]:    ${ }^{1} \mathrm{Vel}$ intortum.

[^32]:    Always
    strengthen the thigh. Keep not two arms (duramenta) in one vine. Take out crooked, feeble, fat, misshapen, green branches. Allow the lower branch, growing in a good soil, to extend a bud or two to repair the vine.

[^33]:    1 Vel dimittas.
    2 Fel pampinare.

[^34]:    ${ }^{1}$ propagat.

[^35]:    ${ }^{1}$ uliginosa.

[^36]:    ${ }^{1}$ interpositio.

[^37]:    ${ }^{1}$ tempus est.

[^38]:    ${ }^{1}$ avis.

[^39]:    ${ }^{1}$ in Septentrion.

[^40]:    ${ }^{1}$ oculos. $\quad 2$ calamus.

[^41]:    ${ }^{1}$ lapidosum.

[^42]:    ${ }^{1}$ Orno, fraxino, cydonis, punico finde lignum.

[^43]:    ${ }^{1}$ macerant.

[^44]:    ${ }^{1}$ crate. ${ }^{2}$ pediculos.

[^45]:    ${ }^{1}$ pediculos.

[^46]:    Here, i.e.in Italy, graft mulberries in March. In warmer places in October or November.

[^47]:    ${ }^{1}$ umbre. $\quad 2$ grandescunt.

[^48]:    ${ }^{1}$ nonas. ${ }^{2}$ sorbo. ${ }^{3}$ servie. ${ }^{4}$ utile. ${ }^{5}$ sorbus. ${ }^{6}$ frigido. ${ }^{7}$ germinibus. $\quad 8$ pistacia. $\quad{ }^{9}$ humecto. $\quad{ }^{10}$ verres. $\quad{ }^{11}$ glandulis.

[^49]:    1 suilous. 2 vidi. 3 vindemiam. 4 cutem.

[^50]:    ${ }^{1}$ liga. 2 versus. 3 circumfodias. egram.

[^51]:    ${ }^{1}$ imoveas. $\quad 2$ talpa.

[^52]:    1 tere. $\quad 2$ confricant. $\quad 3$ rubos. 4 denegare.

[^53]:    ${ }^{1}$ Manubrii crassitudino. ${ }^{2}$ oblique. ${ }^{3}$ oblinatur. ${ }^{4}$ assidue. ${ }^{5}$ tede. ${ }^{6}$ algam.

[^54]:    ${ }^{1}$ talea. ${ }^{2}$ clava, ramo manubrii magnitudine. ${ }^{3}$ putrescat.
    ${ }^{4}$ levigatum. $\quad{ }^{5}$ aculeos. $\quad{ }^{6}$ alga. ${ }^{7}$ circumdederunt.

[^55]:    ${ }^{1}$ aviario. $\quad 2$ grossos. $\quad 3$ pertusos. $\quad 4$ scrobe.

[^56]:    ${ }^{1}$ novella. $\quad 2$ introeat. $\quad 3$ propagat. ${ }^{4}$ oculo.

[^57]:    ${ }^{1}$ torquent.
    2 oculi.

[^58]:    1 stimulo.

[^59]:    ${ }^{1}$ toris.
    2 MS. calvyny.
    3 sinistrum.

[^60]:    ${ }^{1}$ calvyng.

[^61]:    Ere the sixth year the grinders fall out. At six those first changed are even, at seven all are of one length, and then all marks are lost.

[^62]:    ${ }^{1}$ inde hinc.
    2 tunc.

[^63]:    ${ }^{1}$ parce. ${ }^{2}$ oleastro. ${ }^{3}$ radicis. ${ }^{4}$ radicare.

[^64]:    1 XXIV.
    2 XIIII.

[^65]:    ${ }^{1}$ grandecere.

[^66]:    ${ }^{1}$ florem. ${ }^{2}$ citrum. ${ }^{3}$ licencia. ${ }^{4}$ demittunt. ${ }^{5}$ ? this.

[^67]:    ${ }^{1}$ testiculos. ${ }^{2}$ ferramentum. ${ }^{\mathbf{3}}$ ire seu doloris.

[^68]:    ${ }^{1}$ caseum. ${ }^{2}$ elige. ${ }^{3}$ pelliculam. ${ }^{4}$ undique.

[^69]:    Beat it in with a bar, but before it is dry bring channeled bricks to cover all the floor.

[^70]:    ${ }^{1}$ bemes. $\quad{ }^{2}$ forride.

[^71]:    1 consumanda.
    2 spica.

[^72]:    ${ }^{1}$ mela.
    2 inoculatur.

[^73]:    b summa.
    2 numerent.

[^74]:    1 devexa.
    2 eligit.

[^75]:    ${ }^{1}$ taleas. $\quad 2$ inoculare.

[^76]:    ${ }^{1}$ aliquantum.

[^77]:    1 hete.
    2 vetare.

[^78]:    1 mentum.
    ${ }^{2}$ considera.

[^79]:    ${ }^{1}$ clivi.

[^80]:    1 custodias.
    ${ }^{2}$ attendas.

[^81]:    ${ }^{1}$ pruno.

[^82]:    1 botryonum tenaces. 2 or brent.

[^83]:    ${ }^{1}$ diligenter.

[^84]:    ${ }^{1}$ librare.

[^85]:    ${ }^{1}$ humere.

[^86]:    1 ægrotare.
    ${ }^{2}$ quærat.

[^87]:    ${ }^{1}$ planta.
    ${ }^{2}$ sere.
    ${ }^{3}$ nasci.

[^88]:    ${ }^{1}$ effluere.

[^89]:    $t$

[^90]:    ${ }^{1}$ sanant. $\quad 2$ cura. $\quad 3$ ciati. ${ }^{4}$ descendere.

[^91]:    ${ }^{1}$ feculentum.

[^92]:    ${ }^{1}$ potius metrete.

[^93]:    ${ }^{1}$ effluere.
    ${ }^{2}$ passum.

[^94]:    ${ }^{1}$ louting fort.

[^95]:    ${ }^{1}$ umbilicum. 2 pinus.

[^96]:    ${ }^{1}$ querendæ. $\quad 2$ languidas. 3 furno. ${ }^{4}$ pix liquida.

[^97]:    ${ }^{1}$ rancid.

[^98]:    ${ }^{1}$ muria. $\quad 2$ quantum manus utraque comprehendere possit. ${ }^{3}$ contunde.

[^99]:    ${ }^{1}$ Perhaps miswritten for denaye, and that for denye, which gives a perfect ryme.

[^100]:    ${ }^{1}$ On ay a ryming, see those rymes of slayne (with -ane) altered to slane in Prof. Zupitza's Guy of Warwick, 2nd or 15 th century version, E.E.T.S. MS. about 1450 .

[^101]:    ${ }^{1}$ In these instances the scribe, by omitting the final $e$, has spoilt an otherwise correct ryme.

[^102]:    ${ }^{1}$ See footnote to enaye, p. 258.
    ${ }^{2}$ A perfect ryme spoilt by the carelessness of the scribe.

[^103]:    1 A perfect ryme spoilt by the carelessness of the scribe.

[^104]:    ${ }^{1}$ A perfect ryme spoilt by the carelessness of the scribe.
    ${ }^{2}$ Read putrifie.

[^105]:    ${ }^{1}$ A ryme spoilt by the scribe; read benygne.

[^106]:    ${ }^{1}$ Read benygne, which will give a perfectly good ryme.
    ${ }^{2}$ Apparently we should read wynes in 1. 338.
    ${ }^{3}$ Iu this instance there can be no doubt that the correct reading is lupynes.

[^107]:    ${ }^{1}$ Read benygne, which will give perfectly good rymes.

[^108]:    ${ }^{1} ? y[n] o$ (enough, sufficiently), but see Glossary.

[^109]:    ${ }^{1}$ At the same time it is only fair to the scribe to draw attention to Mr. Lodge's note at the beginning of the text, as it is quite possible that the curls or flourishes which he has disregarded in printing the text, may really have been "marks of contraction,' and have represented, in some cases at least, a final -e. Moreover, it will be seen from Mr. Lodge's Corrigenda that the omission of the final $-e$ is in many cases the fault of neither the author nor the scribe. The existence of this list of corrections was unfortunately not known to me until the greater number of the sheets of the Ryme Index had passed through the press, and its discovery necessitates some alterations in the Index which will be found pointed out at the end of Mr. Lodge's list.

