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The gardeners dictionary :containing the best and newest methods of cultivating and improving the kitchen, fruit, flower garden, and nursery, as also for performing the practical parts of agriculture, including the management of vineyards, with the methods of making and preserving wine, according to the present practice of the most skilful vignerons in the several wine countries in Europe, together with directions for propagating and improving, from real practice and experience, all sorts of timber trees /by Philip Miller.

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The third fort grows upon chalky hills in several parts of England; this hath an oblong, clustered, bulbous root, from which arises a single stalk six inches high, having two oblong leaves at bottom, and rarely any above; the flowers are small, of a white colour, growing in a loose spike on the top of the stalk; they have a musky scent. This slowers in August.

This fort grows naturally in moist pastures in the northern parts of England; I have also found it in great plenty on Ensield Chace, not far from the town.

The fourth and fifth forts grow upon the chalk-hills near Northseet in Kent, and also upon Causham-hills near Reading; they have roundish bulbous roots, from which come out a few oblong leaves; the stalks rise a foot and a half high, garnished with a few narrower leaves; the slowers grow in a loose spike on the top of the stalk; they are in one of a rusty iron colour, and the other hath herbaceous slowers. The lip of the nectarium is divided into three parts, the middle segment being stretched out much longer than the other, and is divided into two; the upper part of the slower being hooded, the whole bears some resemblance to a naked man. They slower in June.

The eighth fort grows naturally in dry pastures in several parts of England, and is commonly called the Humble Bee Orchis; of this there are two or three varieties found wild in England, and several more in Spain and Portugal. This hath a roundish bulbous root; the leaves are like those of the narrow-leaved Plantain. The stalk rifes fix or seven inches high, having two or three sheath-shaped leaves embracing it, which are erect; at the top of the stalk come out two or three flowers without fpurs, having purplish crests and wings. The nectarium is large, shaped like the body of a humble bee, of a dark footy colour, with two or three lines running across it of a darker or lighter colour, which appear brighter or duller according to the polition of the flower to the fun. It flowers early in June. There are some varieties of this fort, which differ in the colour and fize of their flowers.

All these sorts may be preserved in gardens, though not propagated there. The best time to remove the roots from the places where they naturally grow, is just before the stalks fall, for at that time the roots may be easily discovered, and then they are beginning to rest, so that the bulb will be fully formed for slowering the following year, and will not shrink; but when they are removed at a time of the year when they are in action, the bulb designed for slowering the following year, not being fully ripened, will shrink, and frequently perish; or if they survive their removal, do not recover their former strength in less time than two years.

When these are removed into a garden, the soil should be adapted to the sorts. Such of them as grow naturally in moist pastures, should be planted in shady moist borders; those which are inhabitants of woods may be planted under trees in wildernesses, but such as grow upon chalk-hills should have a best of chalk prepared for them in an open situation, and when the plants are fixed in their several places, they should not be disturbed after; for if they are kept clean from weeds, the less the ground is disturbed, the better the plants will thrive, and the longer they will continue:

OPUNTIA. Tourn. Inst. R. H. 239. tab. 122. Tuna. Hort. Eith. 295. Cactus. Lin. Gen. Plant. 539. [This plant is called Opuntia, because Theophrastus writes, that it grows about Opuntium.] The Indian Fig., or prickly Pear; in French, Requeste.

The Characters are,
The fower is composed of several petals, which are obtaine, concave, and placed in a circular order, sitting upon the genmen. It has a great number of avol-shaped stamina, which are inserted in the germen, are shorter than the petals, and terminated by oblong erest summits. The germen, which is structed under the slower, supports a cylindrical style the length of the stamina, crowned by a maissific style the length of the stamina, crowned by a maissific style the length of the stamina, crowned by a

umbilicated fruit with one cell, inclosing many roundish seeds.

This genus of plants is ranged in the second section of Tournefort's sixth class, which includes the herbs with a Rose slower, whose pointal or empalement becomes a fruit with one capsule. Dr. Linnaeus places it in the first section of his twelfth class, in which he ranges those plants whose slowers have more than nineteen stamina, which are inserted either into the empalement, or petals of the flower.

The Spacies are,

1. Opuntia (Vulgaris) articulis ovatis compressis, spinis setaceis. Indian Fig with oval compressed joints, and bristly spines. Opuntia vulgo herbariorum. J. B. 1. 154. The common Opuntia, or Indian Fig.

2. Opuntia (Ficus Indica) articulis ovato-oblongis, spinis setaceis. Indian Fig with oblong oval joints, and bristly spines. Opuntia folio oblongo media. Tourn. Inst. R. H. 239. Middle Indian Fig with oblong leaves.

3. Opuntia (Tuna) articulis ovato-oblongis, spinis subulatis. Indian Fig with oblong oval joints, and avolshaped spines. Opuntia major, validissimis spinis munita. Tourn. Inst. R. H. 239. Greater Indian Fig with very strong spines.

4. Opuntia (Elatior) articulis ovato-oblongis, spinis longistimis nigricantibus. Indian Fig with oblong oval joints, and very long black spines. Tuna clatiot spinis validis nigricantibus. Hort. Elth. tab. 194. Taller Indian Fig with strong black spines.

5. Opuntia (Maxima) articulis ovato-oblongis crassissimis, spinis insequalibus. Indian Fig with oblong, oval, thick joints, and unequal spines. Opuntia maxima, folio spinoso, latissimo & longissimo. Tourn. Inst. 240. Greatest Indian Fig. with the longest and broadest prickly branches.

of Openata (Coebinelifera) articulis errata-oblongis subincrmibus. Indian Fig with oblong oval joints, almost without spines. Openaia maxima, solio oblongo-roundo majore, spinulis mellibus & innocentibus
obsito, flore striis rubris variegato. Sloan. Cat. Jam.
194. Greatest Indian Fig, with a larger, oblong, round
leaf, armed with soft, innocent, small spines, and a flower
wariegated with red stripes, commonly called the Gochineal Fig.

7. Opuntia (Curaffavica) articulis cylindrico-ventricofis, compress, spinis setaceis. Indian Fig with compressed, cylindrical, bellied joints, and bristly spines. Ficus Indica, sew Opuntia Curassavica minima. Hort: Amst. 1. 107. Indian Fig. or the least Opuntia of Gurasson, frequently sitled Pinpillow.

8. October, (Spinosiffina) articulis longissimis tentibus compresse, spinis longissimis tenterissimis, gracilibus albicantibus armatis. Houst M88. Stalky Indian Fig. coich large, narrous, compressed leaves, armed with the longest, narrousest, while spines, growing in clasters; this is by the gardeners called, Robinson Crusoe's Coat.

9. Ofenta (Phyllanthus) prolifer enliformi-compressus

servato-reparetes. Indian Fig with compressed foundstaped foints, unbose indentures turn backtumed. Cercus scolopendri folio brachiato. Hort. Elth. 73. tab. 64. Torch Thifte with a branching Spicenwort kaf. These plants are all of them natives of America, though the first fort is found growing wild on the fides of the roads about Naples, in Sielly, and Spain, but it is probable that the plants may have been brought from America thither at fift. This fort has been long in the English gardens; the joints or branches of this are oval, or roundish, compressed on their two fides flat, and have finall leaves coming out in knots on their surface, as also on their upper edges, which fall off in a thort time; and at the fame knots there are three or four thort briftly spines, which do not appear unless they are closely viewed; but on being handled, they enter the flesh, and separate from the plant, so are troublesome, and often very difficult to get out of the fielh. The branches of this fort forcad near the ground, and frequently erail opon it, putting out new roots, so are extended to a confiderable diffance, and never rise in height; these are selling and herbaceous while they are young,

but as they grow old become drier, of a tough contexture, and have ligneous fibres. The flowers come out on the upper edges of the branches, generally, though sometimes they are produced on their sides; these sit upon the embryo of their fruit, and are composed of several roundish concave petals, which spread open; they are of a pale yellow colour, and within arise a great number of stamina, fastened to the embryo of the fruit, which are terminated by oblong fummits; and in the center is fituated the style, crowned by a many-pointed stigma; after the flowers are past, the embryo swells to an oblong fruit, whose fkin, or cover, is fet with small spines in clusters, and the infide is fleshy, of a purple, or red colour, in which are lodged many black feeds. This plant flowers here in July and August, but unless the season is very warm, the fruit will not ripen in England.

I received some branches of this sort from Mr. Peter Collinson, F. R. S. who assured me they were sent him from Newfoundland, where the plants grow naturally, which is much farther to the north than it was before known to grow; and how it endures the cold of that country is inconceivable, for though the plants will live abroad in England, in a warm situation and a dry foil, yet, in fevere winters, they are generally destroyed, if they are not protected from the froit.

The fecond fort hath oblong, oval, compressed branches, which grow more erect than those of the first, armed with long briftly spines, which come out in clusters from a point on each of the compressed fides, spreading open like the rays of a star. The flowers grow upon the embryo of the fruit, which come out from the upper edges of the leaves like the first, but are larger, and of a brighter yellow colour. The fruit is also larger, and of a deeper purple colour, the outer skin is also armed with longer spines; this is the most common fort in Jamaica, and upon the fruit of this the wild fort of cochineal feeds, which is called Sylvester. I had some of the plants sent me with the live infects upon them from Jamaica, by the late Dr. Houstoun, who was writing a history of these insects, at the time when he was taken ill and died; these insects kept alive upon the plants here for three or four months, but afterward perished. If the fruit of this plant is eaten, it will dye the urine of a bloody : colour.

The third fort hath stronger branches than the second, which are armed with larger thorns, of an awlshape; they are whitish, and come out in clusters like those of the other fort. The flowers are large, of a bright yellow colour, and the fruit is shaped like that of the tecond fort.

The fourth fort grows taller than either of the former; the branches are larger, thicker, and of a deeper green, and are armed with strong black spines, which come out in clusters like those of the other forts, but the clusters are farther asunder. The flowers are produced from the upper edges of the branches; they are smaller than those of the other forts, and are of a purplish colour, as are also the stamina; the fruit is of the same form as those of the first, but do do not ripen here.

The fifth fort is the largest of all the sorts yet known. The joints of these are more than a foot long, and eight inches broad; they are very thick, of a deep green colour, and armed with a few short bristly spines; the older branches of this often become almost taper, and are very strong. The slowers of this fort I have never yet feen; for although I have had many of the plants more than ten feet high, none of

them has produced any flowers.

The fixth fort has been always supposed to be the plant, upon which the cochineal infects feed; this hath oblong, smooth, green branches, which grow erect, and rife to the height of eight or ten feet, having scarce any spines on them and those few which are, can scarce be discerned at a distance, and are so foft as not to be troublesome when handled. The flowers of this fort are small, and of a purple colour,

standing upon the embryo of the fruit, in the same manner as those of the other fort, but do not expand open like them. The flowers of this appear late in the autumn, and the fruit drop off in winter, without coming to any perfection here; this fort is cultivated in the fields of New Spain, for the increase of the infects, but it grows naturally in Jamaica, where it is probable the true cochineal might be discovered, if persons of skill were to search after the insection

The seventh fort is said to grow naturally at Curasfao; this hath cylindrical swelling joints, which are clotely armed with flender white spines. The branches spread out on every side, and where they have no fupport, fall to the ground, very often feparating at the joints from the plants, and as they lie upon the ground, put out roots, so form new plants; this fort very rarely produces flowers in England. In the West-Indies it is called Pinpiliow, from the appearance which the branches have to a pin-cushion stuck

full of pins.

The eighth fort was fent me from Jamaica by the late Dr. Houstoun, who found it growing naturally there in great plenty, but could never observe either fruit or flower upon any of the plants, nor have any of them produced either in England. The branches of this fort have much longer joints than any of the other; they are narrower, and more compressed. The spines of this are very long, slender, and of a yellowish brown colour, coming out in clusters all over the furface of the branches, croffing each other, so as to render it dangerous to handle; for upon being touched, the spines adhere to the hand and quit the branches, and penetrate into the flesh, so become very troublesome.

The ninth fort grows naturally in the Brafils; this hath very thin branches, which are indented regularly on their edges, like Spleenwort; they are of a light green, and shaped like a broad sword; these are smooth, having no spines. The flowers come out from the fide, and at the end of the branches, fitting on the embryos in the same way as the other forts; they are of a pale yellow colour. The fruit is shaped like those of the first fort, but rarely ripen in England.

All these sorts (except the first) are too tender to thrive in the open air in England; nor can many of them be preserved through the winter here, unless they have artificial heat; for when they are placed in a green-house, they turn to a pale yellow colour, their branches shrink, and frequently rot on the first ap-

proach of warm weather in the spring.

These plants may be all propagated by cutting off their branches at the joints, during any of the summer months, which should be laid in a warm dry place for a fortnight, that the wounded part may be healed over, otherwise they will rot with the moilture which they imbibe at that part, as is the case with most other succulent plants. The soil in which these plants must be planted, should be composed after the following manner, viz. one third of light fresh earth from a pasture, a third part sea sand, and the other part should be one half rotten tan, and the other half lime rubbish; these should be well mixed, and laid in a heap three or four months before it is used, obterving to turn it over at least once a month, that the feveral parts may be well united; then you should pass it through a rough screen, in order to separate the largest stones and clods, but by no means sift it too fine, which is a very common fault; then you should reserve some of the smaller stones and rubbish to lay at the bottom of the pots, in order to keep an open passage for the moisture to drain off; which is what must be observed for all succulent plants, for if the moisture be detained in the pots, it will rot their roots and destroy the plants.

When you plant any of the branches of these plants (except the first fort) you should plunge the pots into a moderate hot-bed, which will greatly facilitate their taking root; you should also refresh them now and then with a little water, but be very careful not to let

them have too much, or be too often watered, especially before they are rooted. When the plants begin to shoot, you must give them a large share of air, by raising the glasses, otherwise their shoots will draw up so weak, as not to be able to support themselves; and after they have taken strong root, you should inure them to the air by degrees, and then remove them into the stove where they should remain, placing them near the glasses, which should always be opened in warm weather; so that they may have the advantage of a free air, and yet be protected from wet and cold.

During the summer season these plants will require to be often refreshed with water, but it must not be given to them in large quantities left it rot them, and in winter this should be proportioned to the warmth of the stove; for if the air be kept very warm they will require to be often refreshed, otherwise their branches will shrink; but if the house be kept in a moderate degree of warmth, they should have but little, for moisture at that season will rot them very soon. The heat in which these plants thrive best, is the temperate point, as marked on botanical thermometers, for if they are kept too warm in winter, it causes their shoots to be very tender, weak, and unsightly. Those sorts which are inclinable to grow upright, should have their branches supported with stakes, otherwise their weight is so great, that it will break them down.

These plants are by most people exposed to the open air in the summer season, but they thrive much better if they are continued in the stoves, provided the glasses be kept open, so that they may have free air; for when they are set abroad, the great rains which generally fall in summer, together with the unsettled temperature of the air in our climate, greatly diminish their beauty, by retarding their growth; and sometimes in wet summers they are so replete with moisture, as to rot in the succeeding winter; nor will those plants which are set abroad (I mean the tender forts) produce their slowers and fruit in such plenty, as those which are constantly preserved in the house.

ORANGE. See AURANTIUM.

ORCHARD. In planting of an Orchard, great care should be had to the nature of the foil; and such forts of fruits only should be chosen, as are best adapted to the ground designed for planting, otherwife there can be little hopes of their succeeding; and it is for want of rightly observing this method, that we see in many countries Orchards planted, which never arrive to any tolerable degree of perfection, the trees starving; and their bodies are either covered with Moss, or the bark cracks and divides, both which are evident figns of the weakness of the trees; whereas, if instead of Apples the Orchard had been planted with Pears, Cherries, or any other fort of fruit better adapted to the foil, the trees might have grown very well, and produced great quantities of fruit.

As to the polition of the Orchard, (if you are at full liberty to chuse) a rising ground, open to the southeatt, is to be preferred; but I would by no means advice planting upon the fide of a hill, where the declivity is very great; for in such places the great rains commonly wash down the better part of the ground, whereby the trees would be deprived of proper nourishment; but where the rise is gentle, it is of great advantage to the trees, by admitting the fun and air between them, better than it can upon an entire level; which is an exceeding benefit to the fruit, by diffipating fogs and drying up the damps, which, when detained amongst the trees, mix with the air and render it rancid: if it be defended from the west, north, and east winds, it will also render the situation still more advantageous, for it is chiefly from those quarters that fruit-trees receive the greatest injury; therefore, if the place be not naturally defended from these by riting hills (which is always to be preferred,) then you

should plant large growing timber-trees at some distance from the Orchard, to answer this purpose.

You should also have a great regard to the distance of planting the trees, which is what few people have rightly considered; for if you plant them too close, they will be liable to blights; the air being hereby pent in amongst them, will also cause the fruit to be ill tasted, having a great quantity of damp vapours from the perspiration of the trees, and the exhalations from the earth mixed with it, which will be imbibed by the fruit, and render their juices crude and unwholsome.

Wherefore I cannot but recommend the method which has been lately practifed by some particular gentlemen with very good success, and that is, to plant the trees sourscore feet asunder, but not in regular rows. The ground between the trees they plough and sow with Wheat and other crops, in the same manner as if it were clear from trees; and they observe their crops to be full as good as those quite exposed, except just under each tree, until they are grown large, and afford a great shade; and by thus ploughing and tilling the ground, the trees are rendered more vigorous and healthy, scarcely ever having any Moss, or other marks of poverty, and will abide much longer and produce better fruit.

If the ground in which you intend to plant an Orchard has been pasture for some years, then you should plough in the green sward the spring before you plant the trees; and if you will permit it to lie a summer fallow, it will greatly mend it, provided you stir it two or three times, to rot the sward of Grass, and

prevent weeds growing thereon.

At Michaelmas you should plough it pretty deep, in order to make it loose for the roots of the trees, which should be planted thereon in October, provided the soil is dry; but if it be moist, the beginning of March will be a better season. The distance, if designed for a close Orchard, must not be less than forty feet, but the trees planted twice that distance will succeed better.

When you have finished planting the trees, you should provide some stakes to support them, otherwife the wind will blow them out of the ground; which will do them much injury, especially after they have been planted some time; for the ground in the autumn being warm, and for the most part moist, the trees will very foon push out a great number of young fibres; which, if broken off by their being displaced, will greatly retard the growth of the trees. In the spring following, if the scason should prove dry, you should cut a quantity of green sward, which must be laid upon the surface of the ground about their roots, turning the Grais downward, which will prevent the fun and wind from drying the ground, whereby a great expence of watering will be faved; and after the first year they will be out of danger, provided they have taken well.

Whenever you plough the ground betweet these trees, you must be careful not to go too deep amongst their roots, lest you should cut them off, which would greatly damage the trees; but if you do it cautiously, the stirring the surface of the ground will be of great benefit to them; though you should observe, never to sow too near the trees, nor suffer any great rooting weeds to grow about them, which would exhaust the goodness of the soil, and starve them.

If after the turf which was laid round the trees be

rotted, you dig it in gently about the roots, it will

greatly encourage them.

There are some persons who plant many sorts of fruit together in the same Orchard, mixing the trees alternately; but this is a method which should always be avoided, for hereby there will be a great difference in the growth of the trees, which will not only render them unsightly, but also the fruit upon the lower trees ill tasted, by the tall ones overshadowing them; so that if you are determined to plant several sorts of fruit on the same spot, you should observe to

place the largest growing trees backward, and so proceed to those of less growth, continuing the same method quite through the whole plantation; whereby it will appear at a distance in a regular slope, and the fun and air will more equally pass throughout the whole Orchard, that every tree may have an equal benefit therefrom; but this can only be practifed upon good ground, in which most forts of fruit-trees will thrive.

The foil of your Orchard should also be mended once in two or three years with dung, or other manure, which will also be absolutely necessary for the crops fown between; so that where persons are not inclinable to help their Orchards, where the expence of manure is pretty great, yet, as there is a crop expected from the ground besides the fruit, they will the more rea-

dily be at the charge upon that account.

In making choice of trees for an Orchard, you should always observe to procure them from a soil nearly a-kin to that where they are to be planted, or rather poorer; for if you have them from a very rich soil, and that wherein you plant them is but indifferent, they will not thrive well, especially for four or five years after planting; so that it is a very wrong practice to make the nursery where young trees are raised very rich, when the trees are designed for a middling or poor foil. The trees should be also young and thriving, for whatever some persons may advise to the contrary, yet it has always been observed, that though large trees may grow and produce fruit after being removed, they never make so good trees, nor are fo long lived, as those which are planted while young.

These trees, after they are planted out, will require no other pruning, but only to cut out dead branches, or such as cross each other, which render their heads confused and unsightly: the pruning them too often, or shortening their branches, is very injurious; especially to Cherries and stone fruit, which will gum prodigiously, and decay in fuch places where they are cut; and the Apples and Pears which he not of io nice a nature, will produce a greater quantity of lateral branches, which will fill the heads of the trees with weak shoots, whenever their branches are thus Propresed a seed many times the fruit is hereby cut off, which, on many forts of fruit-trees, is first produced

at the extremity of their shoots.

It may, perhaps, feem strange to some persons, that I should recommend the allowing so much distance to the trees in an Orchard, because a small piece of ground will admit of very few trees when planted in this method; but if they will please to observe, that when the trees are grown up, they will produce a great deal more fruit, than twice the number when planted close, and will be vastly better tasted; the trees when placed at a large distance, being never so much in danger of blighting as in close plantations, as hath been observed in Herefordshire, the great county for Orchards, where they find, that when Orchards are so planted or situated, that the air is pent up amongst the trees, the vapours which arise from the damp of the ground, and the perspiration of the trees, collect the heat of the fun, and reflect it in ftreams to as to cause what they call a fire-blaft, which is the most burtful to their fruits; and this is most frequent where the Orchards are open to the fouth fun. But as Orchards should never be planted, unless where large quantities of fruit are defired, so it will be the fame thing to allow twice or three times the quantity of ground; fince there may be a crop of grain of any fort upon the same place (as was before faid,) so that there is no loss of ground; and for a family only it is hardly worth while to plant an Orchard, fince a kitchen-garden well planted with espaliers, will afford more fruit than can be eaten while good, especially if the kitchen-garden be proportioned to the largeness of the family; and if cycler be required, cross a neighbouring field, which will render it pleafant, and produce a great quantity of fruit; or there

may be some single rows of trees planted to surround fields, &c. which will fully answer the same purpose, and be less liable to the fire-blasts before-mentioned.

ORCHIS. Tourn. Inst. R. H. 431. tab. 248, 249. Lin. Gen. Plant. 900. sof öpxis, a testicle, because the root of this plant resembles the testicles of a man; or of opeyw, to have an appetite after, on account of its being a provocative to venery: it is also called κυνοσόρχις, of κυνός, a dog, and δρχις, a testicle.] Sa. tyrion, or Fool-stones.

The Characters are,

It bath a single stalk with a vague sheath; it has no empalement. The flower bath five petals, three without and two within, which rife and join in a standard. The nectarium is of one leaf, fixed to the fide of the receptacle, between the division of the petals. The upper lip is short and erect, the under large, broad, and spreading; the tube is pendulous, born-shaped, and prominent behind. It bath two short slender stamina sitting upon the pointal, with oval erest summits fixed to the upper lip of the nectarium. It bath an oblong contorted germen under the flower, with a short style fastened to the upper lip of the nectarium, crowned by an obtuse compressed stigma. The germen afterward turns to an oblong capsule with one cell, having three keel-shaped valves, opening on the three sides, but joined at top and bottom, filled with small seeds like dust.

This genus of plants is ranged in the first section of Linnæus's twentieth class, which contains those plants whose flowers have two stamina, which are

connected with, or fixed to the style.

The Species are,

1. Orchis (Morio) bulbis indivisis, nectarii labio quadrifido crenulato, cornu obtufo. Act. Upfal. 1740. Orchis with undivided bulbs, the lip of the nectarium cus into four points which are slightly indented, and an obtuse born. Orchis morio foemina. C. B. P. 82. Common female Orthis.

2. Oncers (Mafferte) bulbis indivisis, nectarii labio quadrilobo crenulato, cornu obtufo, penalis dorfalibus reflexis. Flor. Succ. 795. Orchis with undivided bulbs, the lip of the nectarium having four lobes and an obtuse born, and the backs of the petals restexed. Orchis motio mas, foliis maculatis. C. B. P. 81. The note

Orchis with spotted leaves. 3. Orchis (Bifolia) bulbis indivisis, nectarii labio lanceolato integerrimo, cornu longissimo, petalis patentibus. Act. Upfal. 1740. Orchis with undivided bulbs, the lip of the nectarium entire and spear-shaped, a very long born, and petals spreading very wide. Orchis alba bifolia minor, calcari oblongo. C. B. P. 83. Smaller, white two-leaved Orchis, with an oblong four, or Butter-

4. Orchis (Militaris) bulbis indivisis, nectarii labio quinquefido punctis scabro, cornu obtuso, petalis confluentibus. Act. Upfal. 1740. Orchis with with vided bulbs, a five-pointed lip to the nestarium, having rough fpots, an obtuse born, and petals running together. Orchis latifolia, hiante cucullo major. Tourn. Int.

R. H. 432. The Man Orchis,

fly Orchis.

5. Orchis (Pyramidalis) bulbis indivifis, nectarii labio trifido æquali integerrimo, cornu longo, petalis sublanceolatis. Act. Upfal. 1740. Orchis with audivided bulbs, an equal trifid lip to the nectarium, with a long born, and spear-shaped petals. Orchis militaris, montana, spica rubente, conglomerata. Tourn. Inft. R. H. 432. Mountain military Orchis, with a reddiff con-

glomerated ∫pike. б. Окснів (Latifelia) bulbis subpalmatis rectis, nectaris cornu conico, labio trilobo, lateralibus reflexo, bracters flore longioribus. Act. Upfal. 1740. Orchis with strait, palmated, bulbous roots, a conical born to the nestarium, the hip cut into three lobes, which are reflexed on the fides, and brafteæ longer than the flowers. Orchis palmata pratensis, latifolia, longis calcaribus. C. B. P. 85. Broad-leaved, Meadow, banded Orchis, baving a long spur.

there may be a large avenue of Apple-trees extended 7. Orchis (Maculata) bulbis palmatis patentibus, nectaru cornu germinibus breviore, labio plano petalis dorsalibus patulis. Act. Upsal. 1740. Orchis with

handed