



THE PIONEER SEEDSWOMAN OF AMERICA.

"Floral Culture" is published for the benefit of my patrons and will do its best each season to throw light upon; and tell the amateur how to grow flowers from seeds successfully. solicits your co-operation in the form of letters, describing experiments and experience, successful and unsuccessful—do not be bashful in detailing your actual experience as a flower grower, be they good, bad or indifferent, write me on any subject pertaining to Floral Culture.

Yours for beautiful flowers.

Jan. 1st, 1897.

C. H. LIPPINCOTT.

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This BOOK does not pretend to know it all, it only aims to help the amateur who wishes to successfully grow flowers from seed and who without practical experience as a guide, is often bewildered instead of assisted by the elaborate and semi-professional character of most of the works treating on this subject.

Flowers - atractions of a refused and beautiful flowers, they are one of the brighten and adorn the most humble. In the cultivation of flowers we cultivate the acquaintance of very agreeable friends, and they will repay for all the efforts made by the ladies of the household; and will interest the children and the "unen-folks."

Never Mind. If you have many rare plants, try some grown from seed; all annuals, and all profuse, fragrant and attractive, and you will be surprised and pleased at the glorious beauties which will develop during the summer days. They are the flowers for everyhody.

The First Step is to succeed in raising a few flowers. If practical experience, you are likely to fail, become dispatched, and give up the whole effort in discouragement. But the exquisite delight of seeing a bed of flowers of your own raising, and thoroughly good, will be apt to inspire a real ambition, and lay the foundation for future success with more difficult flowers.

A Few Failures. Do I ever have complaints on seeds failing to grow? Yes! a few, no seed house, big or little, but has had experience in this line. Amateurs, as a general rule, when first starting to grow flowers from seeds, purchase the RARR and Hou-Prizes varieties that can only be started into growth in a greenhouse. Result—failure, nine times out of ten.

Advice to the Inexperienced. Get into the and you can grow flowers from seed the first season, with proper care and patience.

What Shall I Plant? For one, Sweet Peas; there is no other flower grown out of doors

that will give the variety of colorings, combined with fragrance that the Sweet Pea does, and no other annual is so popular. Next to Sweet Peas. the Nasturting is a favorite. It begins to blossom early in summer and lasts long after first frost. A bed of Asters, although blossoming for only a few weeks, may be had with so little trouble that one may well undertako it. A hed of Portulaca is so easy to raise, that success is no credit. Another particular favorito is the Petunia. A bed of Eschscholtzia (California Poppy), with Sweet Alyssum as a border, will be an object of pleasure all summer long. Morning Glories are healthy and bearty growers, profuse in bloom, fespecially the new strain of Japaneso Morning Glory) surpassing all blossoms in exquisito form and delicacy, and, what is of prime importance, holding forth through the whole summer, whether het or cold, wet or dry. Other annuals which are indispensable in any garden on account of beauty, and ease of cultivation are-Antirrhinum, Anchusa, Bachelor's Button, Balsam, Calendula, Calliopsis, Canna, Candytuft, Chrysanthemum (French Margnerites) Centaurea Marguerite, Cosmos, Dianthus or Chlnese Pinks, Feverfew, Gaillardla, Godetia, Helichrysum Marigold, Marvel of Pern, 5 Allgnonette, Nicotiann, Pansy, Phlox, Poppy, Salpiglossis, Schlzanthus, Scabiosa, Ten Werks' Stocks, Verbena and Zinnia. There, I have mentioned a few flowers for a beginning; they are all profuse bloomers, and form masses of colors which will charm the eye

every time you look out of your window. Any and all of these are good.

ANNUALS

That flower from seed the first season, are, taken all in all, among the best of flowers which can be used for the decoration of the gardens of the people; and a great many choice varieties may be bought for a little money, and they are from first to last not only

easy of culture and sure of growth, but they produce gorgous nusses of the most lovely flowers imaginable; the blossoms include forms of peculiar slupe, all shades of colors and exquisite fragrance.

The Soil for Annuals.

If there is anything important in flower culture, it is the through preparation of the soil. The seeds of a majority of our flower annuals are very small indeed, so it is doubly necessary to work the soil finely. Otherwise the small seeds, falling into air spaces and interstices of the soil, find no contact with the earth upon all sides. Hence germination is retarded, or often entirely prevented, and the sower of the seeds wails and waits for results that nover appear, and very likely blames the seed seller for the trouble. One great essential in fining the soil is to have it dry, not wet and soggy. If in latter condition, it can never be made right. A permanent injury is effected by working the ground too early. Lunps and cakes are formed which prove troublesome all the season. So never attempt to save time by beginning work too early. Walt by all means until the ground is warm and dry. Then spade carefully, breaking all humps and turning the soil over. Finish the job with an Iron rake. This is a splendid tool for the purpose. Work it backward and forward. Spare no labor and you will have a fine seed bed, for it is useless to expect fine seeds to come up if they are buried beneath great teleds of dirt.

Planting the Seed.

In starting flower seeds of any kind, only heat and moisture are required until they sprout through the ground. Sow the seeds thinly, then cover with finely pulverized soil; as a general rule, cover only to twice the thickness of the seeds. Such fine seeds as Petunia, Portulaca, Ice Plant, Lobelia, etc., need only to be pressed Into the soil with a piece of board or the pulm of the hand. Always press the earth down firmly after sowing all flower seeds, clse there is danger of their drying up before the roots get a firm hold of the soil. If the ground becomes very dry just as the seed is starting, it will not grow. Never under any circumstances allow the sun to dry them out. Along with the sun they must be kept moist. An hour of a bright, clear sun may so dry them that germination is destroyed. It is at this critical point really where the fault of so-called bad seeds largely lies. In the case of large seeds, there is less need of this precaution, but when once they are wet, keep them so or you will be likely to suffer loss.

Watch the Seedlings

As they come up, and do not let them become weak and spindling from overcrowding. Keep the weeds down and loosen the ground occasionally, to give air and sunshino to the hungry feeding roots.

If Drought Threatens

Cover the surface of the bed with a two or three inch mulch of grass-elippings, litter, chip-mannie, etc., to keep the roots cool and moist.

Transplanting.

Nearly all flowers will bear transplanting. Sweet peas and popples are usually sowed where they are to grow. By growing them in boxes, hot-beds or cold-frames and transplanting them, you escape the first growth of weeds.

THE WINDOW GARDEN.

Extent of Collection.—It is bad colley, especially for beginners, to start the seeson with too large a collection. Begin with easily grown plants, and proceed to more fastilious ones by degrees. It is a mistake to crowd the space for plants unduly, let each spechaen stand nearly or quite clear from all others, even if it be at the cost of throwing out some plants. Helf a dozen fine, vigorous, unrerowded plants are much

more satisfactory than three times as many crowded, and, as a consequence, ill-shaped and unhealthy ones.

Suitable Soil.—There is, doubtless, too much stress aid upon the importance of suitable soil; and amateurs sometimes become discouraged at the thought of obtaining the certain kind of sand, the leaf mould, the learny soil, or

the clay; and all the other sorts so very necessary. The real truth of the matter is that any good, fertile garden soil, that will grow plants outside, will be quite us good for window garden culture. The addition of a little sand or leaf mould, if it can be obtained, or of street sweepings for those who live in the city, or anything that will make the soll light and porous, is desirable for potting the young plants with tender roots.

Cutting Back Plants.—Plants grown in the house are hest kept in good shape by checking the end bads of those shoots that grow too vigoronsly. This is much better than allowing a few shoots to grow until they need support, and then cutting them back.

In taking up plants from the garden for house culture, it is best to ent back at least one-half, and, after putting in good soil, water at once, and

put in a cool, shaded place.

Repotting.—Amateurs, as a rule, repot too often, and keep their plants in too large pots. It is of no use to give a plant fresh soil before its roots have pretty well occupied the old. There is a proper time to repot, and that is when the ball of earth is well surraunded by roots, a state that can be determined by tipping the plant out of the pot.

Another point to be remembered is, that if large flower pots are used there will be more leaves than flowers. Often plants have refused to blossom simply because, having so much space, their energies were bent

upon forming rootlets and leaves.

Airing.—It is essential to give the clants an abundance of air, but caution is required in so toling. A draught of cold air should never he allowed to blow directly on the plants; the window should be lowered from the top for a few moments daily, unless the wind blows strongly from the direction in which the window is located.

Heat.—The amount of heat required by the ordinary class of plants in the window is sometimes a source of great anxiety to

the amateur. Our experience has been that the amount of heat may be governed by the effect upon ourselves; for example, if we are comfortable in a temperature of from 65 togerees to 70 degrees during the day and 50 degrees to 60 degrees at night, the same heat will be just right for our plants.

Watering.—Probably more mistakes are made in watering window plants than in any other part of their cellure. It is, of course, quite natural that the heat of the ordinary room will have a drying effect on the plants; it is not advisable to keep the saucer tilled with water constantly, as it has a tendency to induce sourness of the soil. The best method with which we are

fumiliar is the practice of setting the pots in a lox containing an inch or two of sand; moss will answer the purpose equally as well.

Ceraniums Not Flowering, -Why do not my geraniums upon question we hear very frequently. When we do not see the plants we cannot answer with any degree of satisfaction, because we do not postitylely know. When we do, there is, as a rule, but one answer-viz., they are in too large pots. A five-inch pot is sufficiently large for zeroniums. The best of all designs for growing the geranium in is a tin can; old fruit cans are admirable; the quart size is much better than a seven-nich pot. In such the plants delight, simply because the soil does not dry out so rapidly; the soil remains undst and cool, the proper conditions of growth. We have seen geraniums grow in pint tin cans that

put the dorist to shame.

How to Keep Plants Free from Insects,—To keep plants free from insect pests requires constant watchfulness and considerable labor. If we wan in the sector's covernm with green By, scale was considerable labor. If we wan in the large law is the first of the intruders and put them ruthlessly to the sword, it is comparatively easy. Toleaco smoke is certain death to the green By or Aphis. If the plants are in a room that can de closed tight and all smoked at once, by using an iron pot filled with moist or damp to haceo stems, into which drop a few live coals, so much the better; but as the many that keep plants have no such convenience, they must confine their plants in a paper hag or harrel, and there give them a good dose of smoke; the meany bag and scale usually succumb to a tonch of a camet's hair brush, dipped in a mixture of alcohol and water, equal parts.

SOME GOOD WINDOW PLANTS.

Abutilons.—Have once more come into style for window plants, and there is no reason why they should not stay in style, seedlings grow easily and are interesting.

Begonias.—Can all be kept in the shedier part of the window or conservatory. They stand the dust and heat of the ordinary living room without complaint.

FUCHSIA. The Fuchsia has never been surpassed for grace or loveliness, both of growth aml color, can be propagated from seed readily, it is easily managed, and profers a back seat in window or conservatory.

Ageratum.—Is delightful under all conditions—as a vase plant, a bedder, or a window plant.

Ceraniums—Have the advantage of belonging to health-giving plants—ozone lereders. The apple-scented is most dedicious. They can be easily grown from seed and flower the first season, if sown early.

Chinese Primrose—Should be placed at the head of the list as giving the greatest satisfaction as a window plant. The plants being dwarf may be placed nearest the glass, and compactly for they do not require large pots.

Heliotrope—Does very well as a window plant, but must be kept moist at the roots. See enline all directions under proper heading.

Cloxinia—Is a grand flower and makes a lovely window plant, as

Carnations. - Indispensable plants for the window garden.

Cineraria. -One of the most popular and easily grown window plants.

window and house plant, it is so inexpensive, grow so readily and blooms so freely, and so constantly that you cannot make any mistake by adding it to your window garden. There are also other good varieties such as Acacin, Calcolaria, Cliantius, Coleus, Oxelment, Lontana, Lobelia Minulus, Mignonette, Nigella Oxalis, Scarlet Sago, Sweet Alyssum, Torenia and Vinca. The following where and climbers are suitable for which we will write the angle of the control of the con

though Pansies and Violets are not usually recommended for window garden culture (when treated in the usual way), very satisfactory results may be obtained by taking some plants from their outdoor beds, thawing them out in a cool room and coaxing them into bloom

ln a cool, sunny window.

Window plants are a source of health if they are themselves healthy; but if deceased, you may be sure it is wiser to pitch them out-of-doors. The dirt nust also be free from poisonous qualities, for not seldom there is malaria in a flower pot. Tho pots also should be thoroughly cleaned from mildew, inside and out.

SEED GROWN FLOWERS FOR RIBBON LINES.

The following will doubtless prove satisfactory: Pansy, Aster, Candy-tuft, Petunia, Portulaca, Canna, Verbena, Stocks, Mignonette, Sweet Peas, Piltox Drummondi, Agerathm, Centaurea and Coleus.

PLANTS FOR VASES AND HANGING BASKETS.

Drooping and trailing varieties to lung over the sides, Alyssum, Candytuft, Morning Glory, Ice Plant, Kenilworth Ivy, Lohelia, Maurandia, Nolana Oxalis, Petunia, Smilux, Torenia and tall Nasturtunu.

PLANTS SUITABLE FOR EDGINGS. Annual Varieties.

Alyssum, Ageratum, Celasia, Globe Amaranth, Lobelia, Nigella, Petunia, Phlox Drummondi, Torenia.

BEDDING ANNUALS SUCCEEDING IN HOT, DRY SITUATIONS.

Calendula, Calliopsis, Celosias, Colens, Convolvulus Minor, Daturas, Ice Plant, Marigold, Marvel of Peru, Mesembryantheuum, Nasturtiums, Guothera, Petunias, Portulacs, Salvia Splendens, Verbenas, Vinca.

A SUPERB AUTUMN BLOOMER.

Nothing excels the Salvia splendens.
Keep the plants growing, pinehing back, etc., but
not having very rich soil intil planting out. Set
in a mass or a border for the best effect, although
the waning beauty of a summer bed is touched
up wonderfully by the tasteful disposition of
some of these plants about it. They likely will
not show bloom until after July, but they are a brilliant sight from then
until cut down by the frost.

A FINE TROPICAL-LIKE ANNUAL

Is the Riceinus, or Castor-Oil Boan, suitable for the centre of a large bed, for a corner, or as a single specimen on the laws. Set out when the ground is warm in a rich soil. Provide a short strong stake for each plant.

CLASSIFICATION NOTES.

Annuals—Are plants which flower, produce seeds and dle the same year they are sown. The Hardy Annuals may be planted from April until June in open ground wherever they are wanted to bloom and will grow in almost any ordinary garden soll. The seeds may be sown either in rows, small patches, or large patches, separate or mixed, entirely as the grower pleases, but they should never be sown deep are allowed by the same and any deep are the same trained.

sown deep -ss a rule, say about twice its diameter only.

Half Hardy Annuals—no best if sown indoors or in hot-beds, and should be kept somewhat shaded, when young, to prevent sun-burning and baking of the soil. It is necessary to harden them by free ventilation, before transplanting. A small box in a sunny window is ample for any small space; lill it with light soil, half sand—manure is unnecessary, heat and water being the essentials.

Tender Annuals—Should be sown in the same way as the Half Hardy ones, at any time from the month of February.

Perennials and Biennials.—The latter usually flower the second season, but many of them bloom the first by starting hadoes. The Perennials continue to bloom year feer year feer season that the bloom year feer year feer season that the bloom year feer year was season to bloom year feer year to sea the season with the season to the head of the bloom year. The latter is the best treatment for the head years when the season was the season when the season was the season when the season was the season was the season when the season was the season

sown in summer, the seed beds should be shaded from the hot sun to prevent baking of the soil.

CULTURAL DIRECTIONS.

Abutilon.—(Bello Flower.) Perennial. Sow in shallow boxes in a temperature of 60 degrees. Transplant into similar boxes or into small pots whon the seedlings are fleto handle. Plant out in May, or for later flowers sow in the open ground in May. For winter or spring flowering sow in August or September.

Abrus.—(Crab's Eye Vine.) Thrives best in sandy loam. Seed requires bottom heat to germinate well and a strong heat to keep in a growing condition and to flower well.

Acacia.—Plantseed in sandy peat; about % inch deop; pot off when large enough to handle, and place in a cool, close pit or house until quite established. A temperature of 55 to 60 degrees suits them.

Acroclinium.—Half Hardy Annual Everlasting. Thrives best in a loany soil and counstitute very heat summer flowering annuals if sown out of doors in patches in June; they are also useful as winter decorative greenhouse plants if seed is sown in August in pats

garbered when young to preserve them.

Ageratum.—Hardy Annual. Start the seed under glass and transplant two feet apart.

Alyssum.-Hardy Annual. Most offective if planted in masses one fost apart, as early in the spring as possible, in the open ground.

may be sown in the open horder or in a hot-hed, and transplanted about the first week in June to 20 inches apart.

Ambrosia.—Hardy Annual. One of the easiest plants to grow, seed may be sown early in the open ground.

Anchusa Capensis. Hardy Perennlal. If sown early, blooms the first season, growing freely in shaded situations.

Antirrhinum. — (Snapdragon.) Tender Perennial. No better plant could be chosen for house cultivation than the snapdragon, (Antirrhinum). It has dark foliage and bright, oddly shaped flowers. There are six or eight distinct colors. Set in four or five inch pots, one plant in each pot, in any good garden soil, mixed with a little well-roted stable manure they can hardly fail to give satisfaction. Give them all the sunlight possible, and water once each week with a little liquid manure. They may be propagated by slips, by layering or from seed.

Arabis Alpina.—Hardy Perennial. One of the easiest possible culture in any dry sail. Seed may be sown outside early in suring, or in pans or boxes when they can be transplanted to a shady border.

Aster.—Half Hardy Annual. Sow in boxes, in the house, the last of April, or in apper, ground, in May; transplant to one foot apart, in deep rich soil.

Aquilegia.—(Columbine). Hardy Perennial. They prefer a moist and sheltered situation, with exposure to the sun and require a good friable sandy loans and leaf soil, with good drainage. Sow seeds thinly, in pans or cold frame, when up and strong enough to remove, the seedlings may be planted out when they are to bloom, allowing every plant at least nine linehes each way.

Balsam.—(Lady Slipper). Tender Aunual. The soil in which they are sawn should be of the richest possible character; the plants should be set 15 inches apart, securely staked, and receive frequent waterings of manner water. In order to have the finest double Balsams, plants must be transplanted from the seed-bed. If sown where plants are to bloom, they will be semi-double to a large extent.

Balsam Apple.—(Momordica). Annual Climber.—Well adapted for trellises, arbors, etc., in a warm situation outside, and in a rich, light soil. Plenty of water should be given during the growing period Bachelor's Button.—Hardy Annual. Sow in open ground, in May or lirst of June; transplant to six inches apart.

Beans, Scarlet Runner.—Tender Annual Climber. Do not plant until settled warm weather and the ground is in good condition, they require same treatment as common garden beans. In planting, be careful to place the eye of the bean DOWN.

Begonia.—(Tuherous Rooted Varieties.) These magnificent varieties have become exceedingly popular and can be grown from seed. They germinate well and it only requires a little cure to grow the plants. Sow seed in February or March in pots on a surface of fine soil and cover with glass. Take great care not to wash out the young plants in watering; they will give an adundance of bloom the first year. At the end of the season the plants may be dried off by withholding water, the tabers gathered and kept in a dry place, free from frost, and planted the following spring, when they will bloom more freely than ever. Tuhers are offered for sale by some, but they are very expensive, and a single packet of seed, if properly handled, will furnish with would cost many dollars.

Begonia. -(Fibrous Rooted.) From seed sown in February or March, and with generous treatment, plants may be llowered within six mouths. Sow again in July or August for spring and early summer flowering. A temperature of about 65 degrees is necessary, well drained pots, and a good mixture of soil. Prick off the seedlings while quite small, and shift on as the pots become lilled with roots. As Begonia seed is slow and irregular in germinding, the sowing should be thin, so that seedlings can be lifted without disturbing the adjacent seed.

Bellis.—(Double Daisy.) Half Hardy Percanial. Sow in May and transplant eight luches apart.

Bird of Paradise.—Poinciana Gillesi.) Ornamental Shrub.—Seed boing large and hard, should be soaked for a few hours in Inkewarm water before planting in box in house. Give gentle bottom heat if possible. A mixture of long and leaf mould satis it best. Cuttings are somewhat difficult to root, lut will succeed if taken aff the mother plant in a growing state and planted in sand, with a hand glass placed over them in heat.

Blue Daisy.—(Agathaca Coelestis.) Perennial. Allied to Clareraia, and requiring the same treatment. Young cultiugs root freely in a gentle heat, at all times; and the plant may be had in flower all the year round.

Bryonia. - Half Hardy Annual. A rapid grower and of easy culture; should be planted and treated the same as Gourds, of which it is a species. Rich loam is the soil most suitable for their cultivation.

Butterfly Tulip.—Bulbous plant, from the banks of the Cimarron River, Oklahoua, called by the Indians who gather them during the summer sesson, "Indian Tulips." They grow 12 to 18 Inches high and continue to bloom from middle of June to October 15th, each stalk having from 10 to 50 blossoms which are purple and white. Succeed best in light, saidly soil.

Cacalia.-Hardy Perennial. (For culture, see "Senecio.")

Calceolaria. - Seed of Greenhouse Plants, especially Calceolaria, require extra care in sowing, as the seeds are very fine and delicale. The pans must be well drained, say half filled with crocks, and on this a layer of rough librous peat or turf, and fill up with a compost of the following proportious: Two-thirds light, rich loam, one-third peat, silver sand and thoroughly decayed cow manure, the whole thoroughly well mixed together. Make the surface as smooth as possible and sprinkle a little silver sand over it; water with a line hose; after the pans have thoroughly drained, the seed must be very evenly and thoroughly sown—

it will require no covering. After sowing place the pans under a glass in close frame (it will require no artificial heat), keep shaded, as exposure for a short time to the sun's rays is often enough to scoreth the cleaves and rootlets of the seedlings. Directly the plants are large enough to handle they must be pricked into other pans which have been prepared in the same manner as for seed sowing, and allowed to grow until they touch each other, then shifted into small pots, and replaced in the close frame; as soon as the roots ill these pots it will be nelessary to repot in larger sizes. They will now do, if replaced in frames or put on shelves in the green stay, report and shake when required. If transbled with green fly, select a quiet evening and fumigate with tobacco paner.

These remarks will apply also to the cultivation of the Cineraria, Chinese Primrose, Carnations, and many other rare seceds, except that they are more hardy and will thrive with less care. The seeds being

larger will require a light covering of finely pulverized soil.

Calendula.—Hardy Annual. Sow in boxes early or in open ground in May or June; transplant to one foot apart.

Calliopsis or Coreopsis. Hardy Annual. Sow where they are to remain, and thin to two feet apart.

Campanula.—(Canterbury Bells.) Hardy Biennial. Very attractive border plants; they succeed best in light, rich soil, and should be transplanted two feet apart.

Canna.—Tender Annual. Soak the seeds half an hour in hot water before sowing. Plant in a warm place the middle of April, or open ground only after it is quite warm, the first of June. Transplant to one foot apart in rich soil.

Candytuft.—Hardy Annual. Seeds should be sown where plants are to bloom in fall or early spring; any good soil is suitable; thin out to four or five inches apart.

Canary Bird Flower .- Tender Annual. (See Nasturtiums for cultural directions).

Cascarilla.—(Coffee Plant.) They thrive in a mixture of turfy loam and sand; and require plenty of water, and ample pot room.

Carnation .- (See Calceolaria for cultural directions.)

Celosia. —(Cockscomb.) Half llardy Annual. The seed should be streed in a hot-bed, or in pots in a warm room, and transplanted to a warm, rich soil.

Centrosema, Crandiflora.—Hardy Perennial. Sow seed as early in the spring as practicable in open ground, soaking the seed in warm water over night before planting.

Centaurea.—(Dusty Miller.) Hardy Perennial. Seed should be sown in slight heat, and when the seedlings are large enough to handle, they should be potted off singly into small thumb pots, in which they may be kept through the winter in a cold or cool house, a shift being given in the spring.

Chrysanthemum.—Annual Varieties. Sow in good, light soil during last of April and May; thin out to one foot apart.

Chrysanthemum.—Hardy Perennial. Sow in boxes or cold frame in the spring, and moke several transplantings, as the plants advance in growth.

Cineraria .- (See "Calceolaria" for cultural directions.)

Clarkia. Hardy Annual. Very showy and of easy culture. Seed may be sown in early spring out of doors, in any good garden soll.

Cleome Pungens.—(Giant Spider Plant.) Annual. Thrives best in light, rich soil, in a dry, warm situation, where they have plenty of room to spread.

Clianthus Dampieri.—(Perennial.) Sow seed singly in a good sizel pot (5 Inches in diameter is noue too large) late in summer, the plants to remain until the following spring, when they should be potted over without disturbing the roots in any way, into the full size in which they are to Hower. When planted outside, a hot, dry, summy position under a south wall should be selected and the plants kept as dry as possible.

Cobeca.—Tender Perennial. Sow early, indoors, putting the seed edge down, and keep slightly moist until the young plants appear. Plant out after the ground has become settled and warm—about the first of June. The plants can be carefully potted before frost in the autumn, and will bloom in the house during winter.

Coccinea. Half Hardy Perennial. A handsome elluber of the Gourd species, flowering the first season, if started early in heat

COLOUS.—Tender Perennial. Plant in a warm situation indoors, in a temperature of 70 degrees, and bod out as soon as alanger of frost is over. Slips should be taken from the finest and putted for winter.

Cosmos Hybridus.—Sow seed in gentle heat in April or May, and when large enough transplant to open ground similar to other annuals.

COSMOS—Is one of the few flowers that does not easily succumb to frost, and in favored localities it was still in blossom on Nov. 28, being fully as hardy as the chrysanthennum. The only objection to its more general cultivation is that it does not come into flower until there is danger of its being killed by winter cold. This can be avoided hy sowing the seed in March and growing the plants on in pots, not using larger than four-linch size. The plants should be kept in these until they set their buds, and the pots completely filled with roots; then transfer to the garden and they will bloom by August.

Cyclamen. - Greenhouse Perennial. If sown early in spring under glass, and well grown, will make flowering bulbs in one year.

Cypress Vine.—Tender Annual. Sow in the ground only after it is thoroughly warm, and soak the seed in lukewarm water two hours before sowing.

Dahlia, - Indf Hardy Perennial. Sow the seeds in shallow pan or bears, and transplant the seedlings, when large enough, to small pots. As soon as strong chough, plant out one foot apart.

Datura.—Half Hardy Annual. Start early and transplant to 20 lnches apart. The roots may be packed in sand during the winter.

Delphinium .- See Larkspur.

Dianthus.—(Chinese Pinks.) Hardy Annual. Sow seed in May when the ground has become warm; thin or transplant when two inches high to four inches apart. It is truly astonishing how this useful class of plants is neglected, or not grown at all, which is better than to half grow a thing, when it possesses so many real points of usefulness. Dianthus heddewigi, with its numerous beautiful varieties, is one of our most valuable summer flowers, although it is unjust to call it a summer flower, when, with but fulle attention, it can be made to ornamont the garden from June until November, or until such time as the frosts destroy the chrysanthenum.

Dolichos.—(Hyacinth Bean.) Half Hardy Annual Climber. They are of easy culture. Plant out doors where they are to grow, in good soil about one inch deep. as early in spring as ground is in good condition.

Dracaena Indivisa.—(Greenhouse plant.) A compost of loam and Immpy peat, in equal proportions, with the addition of a little charcoal, will suit them admirably. They require but a moderate amount of pot room in comparison to the size of plant that may be obtained. Pots 5 or 6 linelse in diameter are large enough for useful decorative subjects. Plenty of heat and moisture are requisite when the plants are young, to encourage vigorous, quick growth.

Eschscholtzia. —(California Poppy.) Half Hardy Perenulal. Sow where the plants are wanted to bloom, as they do not bear transplanting. Thin them to six Inches apart.

Euchardium Breweri.-Hardy Annual. Seeds may be sown in the open border in spring or autumn.

Euphorbia Heterophylla. — (Mexican Fire Plant.) Ilardy Annual. Sow early in spring, inside, and when all danger from frost is past transplant outside eighteen inches apart; give them a sunny situation and water in very hot weather. The seed may also be sown outdoors early in May.

Feverfew.-(Matricaria.) Half Hardy Perennial. Succeeds best in a light, rich soll.

Forget-Me-Not.—(Myosotis.) Hardy Perennial. Sow in finely prepared soil the first of June. Transplant to a shady situation. Keep well waterod during dry weather.

Fragaria Indica.—A Pretty Greenhouse Trailer. Sow in pots or both the seedlings may be brought on rapidly to a size large enough for repetting, or they can be sown in a seed bed, in a sheltered place outside, if watering is earfully attended to the latter part of summer.

Fuchsia.—Greenhouse Perennial. As easily grown from seed as from cuttings. Sow in shallow box; transplant into pots as soon as largo enough. They require a rich soil to grow luxuriantly; a fuchsia is a unisance if not thrifty. Well rooded turf, some leaf mod and a little sand is quite to their taste. Stock in some old, rusty nails; the oxide of iron deepens the color of foliage and flower. They are gross feeders and should have weak liquid manure once a week, when budding or in bloom. They do not need a high temperature, but plenty of light and air. Red spiders trouble them if the air of the room is too hot and dry; these can be routed by washing both sides of the leaves with soap-suds, afterward showering with soft, tepld water.

Caillardia.—(Blanket Flower.) Hardy Annual. Sow early in boxes or frame and transplant to the garden in common soil the unitdle of May.

Ceranium.-Half Hardy Perennial. Start in the house in a box filled with fine, rich soil, cover with a pane of glass and place in the dark and keep moist antil the seeds germinate, then admit light and air. Transplant when large enough.

Cilia.—Hardy Annual. Sow in open ground early and transplant to eight inches apart as soon as they are large enough.

Cloxinia. Tender Perennial They grow best in a porous, well enriched soil, in a warm, moist atmosphere. Codetia,—Hardy Annual. But a very few of the annual class of lowering plants which may be regarded as of quiet beauty, are more destrable than Godetias, and their attractiveness does not greatly decrease before late autumn. A main point in their culture is to keep them steadily growing, and to keep all the seed vessels picked off, together with having good soil, and in times of drought free watering at night during soumer. The plants should stand not closer than five luches each way. Seed can be sown early out of doors, where they are to bloom, in finely prepared soil, the last of May or the first of June.

Comphrena,—(Globe Amaranth.) Half Hardy Annual. Sow in boxes in a warm place; soak the seed in warm water a few hours before sowing; transplant to one foot apart. The flowers should not be picked for drying until likey are fully matured.

Courd.—(Ornamental Climber.) Tender Annual. Seed can be sown outside about the first of June, after the ground has become warm. The plants are tender and should be planted where they are to grow.

Helianthus.—(Sunflower.) Hardy Annual. Plant seed in the spring when desired, and thin to four feet apart.

Helichrysum.—Hardy Annual. Sow early in hoxes in the house, or in the garden in May and June; transplant to eight inches apart in light, mellow soil.

Heliotrope.—Half Hardy Perennial. Sow in hot-bed in March; keep soil moist and give air bright days, hut protect at night. Transplant in May, before a warm rain if possible, in light, rich soil.

The Heliotrope, which is prized for its delightful fragrance as well as lovely flowers, seems to be but a disappointment to many, but if in Good Common is a very free bloomer and satisfactory plant. It is Nor troubled with insects, which is one strong point, but this plant lies Nor troubled with insects, which is one strong point, but this plant lies Nor troubled at the roots and Ocr of the burning sun; for one day's or perhaps one hour's drought at the roots will produce the dry rot which altacks the leaves, causing them to turn black and fall off. Always give the Heliotrope a good-sized pot—it needs plenty of root room—and in transplanting to and from the garden the plant is strengthened and its beanty increased by very severe pruning; for the inclination of this plant is to grow, not bushy and strong, but with long, slender branches, almost vines—indeed 1 bave seen lovely specimens blooming beautifully as house plants after doing service outdoors.

Heuchera Sanguinea.—Hardy Perennial. Of easy culture in any ordinary garden soil, except stiff clay—and may be readily increased by dividing the crowns during spring.

Hollyhock.—Hardy Perennial. Start the seeds in boxes in house early. When plants have made three or four leaves, transplant to garden lo one foot apart early in June and they will bloom the first season.

Humulus Japonicus.—(Japanese Hop.) Hardy Perennial. A climber of easy culture in ordinary garden soil, but thriving best in a deep loam.

Ice Plant.—Tender Annual. Succeeds best in dry, sandy soil and in a warm situation. Can be grown in hanging baskets, vases, pots or open border. Coyer the seeds very lightly when planting.

Impatiens Sultani.—Tender Perennial. I do not advise a start before March, and not then unless a steady heat of 60 or 65 degrees can be relied on. Sow in well-drained pots, filled with soil composed of two parts of tatty loam and one part of leaf soil, with very little sand added. The seedlings are exceedingly brittle at the outset, and repotting should not be attempted until they are about an inch high. Even then they need

delicate handling, and after the task is accomplished they should be promptly placed in a warm frame or propagating pit for a few days.

Lantana. Half Hardy Percandal. Saltable for pot culture. Start under class in leasny soil and transplant.

Larkspur.—Hardy Annual. Sow early in open ground in the place where it is to bloom, as the plants are not easily transplanted. Thin out ten inches apark.

Lathyrus.—(Everlasting Pea. Hardy Perennial. They are easy of enliture, thriving in almost any moderately good garden soil. Sow seeds early in spring h an open border. The root of this plant being woody, it is essential that at the beginning it should be planted deeply, in order to prevent the frost from heaving it to the surface, when the crown becomes frozen and the plantdies. By observing this precaution the plant will be found to be perfectly hardy, and by removing the old blossoms, the length of the bloom ing period may be greatly prolonged.

Linaria. - (Kenilworth Ivy.) Hardy Perennial. Sow seed during March or April, on light soil, well drained.

Linum.—(Crimson Flax.) If the seed be sown in the hot-bed, and the plants transplanted into good, rich soil, one foot apart, the period of flowering will be much advanced, but the seed can be sown in open ground after it becomes warm.

Lobelia.—Half Hardy Annual. Sow In boxes in the house, covering the seed barely sufficient to hide from slight; and keep the surface unoist by shading with paper until the seeds germinato. Transplant about the first of June In moist soil.

Lychnis.—Hardy Perennial. Start the seed in boxes in house early, and transplant to border one foot apart in June and they will bloom the first season.

Marigold.-Half Hardy Annual. The seed should be started in a hot-bed and transplanted six inches apart in June, in common soil.

Marvel of Peru. - (Mirabilis.) Hardy Annual. Will grow in any common garden soil from seed sown in open ground. The plant is large and requires two feet of space. Sometimes called "Four O clocks."

A Cheap Border of Flowers can be had by planting a few cents' worth of seeds of the good, old-fashinoned Pour O'clocks. Sow them two feet apart in a drill. They will make plants two feet high, and the row will be as compact as a hedge, and in early morning and evening as handsome a display as it is possible to make. In cloudy mornings the flowers will keep open until noon, rivaling in beauty a collection of the choicest uzaleus. No two plants will be alike, and on the same plant there will be a great diversity of color

Mimulus.—Half Hardy Annual. The seeds are very delleate and should be sown indoors in boxes; transplant after the ground has become well warmed; place in rich soil, about eight inches apart. It is perennial in the greenhouse.

Maurandia.—Half Hardy Perennial. Sow early indoors, and transplant to open air in June, and it will flower profusely the first seeson.

Mignonette.—Hardy Annual. May be sown in the open ground any thue in the year when the ground is not frozen. It is perfectly bardy, and easy of culture, growing well in almost any situation. Mimosa Pudica.—(Sensitive Plant.) Usually treated as an annual, but under stove treatment it assumes a perennial character. Seed may be sown during spring in a het-bed, or by cuttings of rather firm, young shoots, inserted in sandy soil in heat. Thirves best in a compost of loam and peat in equal proportions, to which a small portion of sand may be added.

Mina Lobatta.—Tender Annual. Sow seeds early in spring in a warm house. A good plan is to place two or three seeds each in small pots and afterwards transfer the plants bodily into larger sizes. A suitable compost consists of fibry loam, rotten manure, and leaf soil, which should be mixed together and used somewhat lumpy.

Molucca.—(Shell Flower.) Hardy Annual. Seeds should be sown in a hot-bed during spring, and the seedlings transferred to the open border during May. A sandy loam is the most suitable soil.

Morning Clory.—Italf Hardy Annual. The seeds germinate so easily that they can be grown in the garden anywhere the plants are needed. Supply support early, either cord, wire or brush.

Musa, —Tender Perennial. In growing Musa from seed, plant a single seed in a 4-inch pot filled with saud, and place over the steam pipes in a greenhouse. It is necessary to keep the sand rather wet until the seed germinates, when they may be transferred to larger pots and a good, rich soil. It will take several weeks probably for the seed to germinate, but a temperature of 80 degrees to 90 F, will greatly facilitate this.

Nasturtium.—Hardy Annual. Sow in boxes and transplant first of June to eight inches apart. They flower better in poor, rocky soil, as a rich soil has a tendency to make them "run to leaf." An ounce packet of Nasturtium seed will be sufficient for a bed twenty feet in diameter, and will make a better display, for three months, than almost any other plant. The flowers are ever bright and cheerful, the foliage a repose for the eye, while the bed will farnish a bountiful supply of delicious pickles. Combine the beautiful with the useful.

Nicotiana.—Half Hardy Annual. Seed should be sown in February or March in gentle heat, and the young plants pricked out, when large enough, and planted out early in June.

Nigella.—(Love-in-a-Mist.) Hardy Ammal. Sow early in the flowering beds, or they may be transplanted, using eare in shading the plants. Nigella is one of the lovellest annuals, and they are exceedingly useful in many kinds of florists' works. And in addition, the seed is deliciously fragrant, and as clegant for sachets as Rose petals or Orris root, and the fragrance seems not to waste or lessen as is the case with Rose petals, and for the sake of the sweet seeds, the plant is worthy.

Nolana.—Hardy Annual. Sow in open ground early, in light soil. Transplant to one foot apart.

Oenothera. - (Evening Primrose.) Hardy Annual. Thrives in almost any soil or althation.

Ornamental Grasses.—They are mostly annuals, and those which are not, flower the first year. They should be sown in April or May, in a good soil, and thinned out or transplanted, giving each plenty of room.

Orange Daisy.—(Erigeron Aurantiacus.) Perennial. Splendid for mixed borders in a moist, well-drained situation.

Oxalis.—Half Hardy Perennial. Very pretty herbaceous plants, with rich, rose colored blossoms. They thrive well in a mixture of loam and sand. Desirable for greenhouse decoration, rock work, or baskets out of doors.

Pansy.—Hardy Riemial. Seed may be sown in open ground in spring or summer, or in hot-bed early in spring. Young plants produce the largest and best flowers. The plants should always occupy a cool, partially shaded situation, and the ground cannot be too rich; coolness and moisture are necessary. Transplant when an inch high. Seed sown in July will blossom late in autumn; if sown in October, the following spring. The Pansy is a popular flower with both floritst and amateurs, giving an abundance of bloom until after severe frosts, enduring our hard winters with safety, and greeting us in the earliest spring with a profusion of bright hlossoms. It will flower better in middle of summer, if planted where it is somewhat shaded from the hot sun, and especially if furnished with a good supply of water.

Petunia.—Tender Perennial. Petunias will do well sown in open border in the spring, or earlier in cold frame or hot-bed and transplanted 18 inches apart. By the latter process they will come into bloom much earlier, although they will do perfectly well sown in open ground. Bo careful not to cover the small seeds too deeply; they like a sandy loam. Double Petunias, as a rule, are shapeless monstrostices. If grown in the open border, the stems are not stout enough to hold them up, especially when heavy with rain, and they become draggled and soiled with earth, and very unsightly objects they are. Double Petunias wro only sathsfactory when grawn in pots, and there are so many better things for pot culture, that it seems a waste of time to devote it to these. It is different, however, with the better single varieties, especially those of Petunia Grandiflora.

Phlox Drummondii.—Hardy Ammal. The seed can be planted in open ground in autuum, or in spring in open ground, or plants may be started in the hot-bed in spring and transplanted. Set plants in good, rich soil six inches apart each way.

Pilogyne Suavis. -Tender Perennial Climber. The correct name of this plant is "Meothria Punctata." It is a rapid, graceful and fragrant climber, and one of the most satisfactory plants for summer or winter. The slips grow easily, and any one can succeed with it.

POPPy.—Hardy Annual. The seeds should be sown where the plants are required, in spring, and thinned out so the plants will stand one foot apart. Just as soon as the ground is meliow, prepare a patch by forking, then raking level; then sow the seed broadcast, rake it in lightly, and firm the soil on the surface with the roller or back of the spade. The seedings will soon appear. Keep them weeded clean. They will bloom about the first of July. Let then ripen some seed and self-sow themselves, and you will ever afterward have Poppies.

Portulaca.—Tender Annual. Plant in open ground after it has become warm, in light, sandy soil, and in dry situation. After the plants appear, withhold water, and if the bed has a full exposure to the sun, the ground will be covered with plants, and the effect will be beautiful.

Primula.—(Chinese Primrose.) Tender Perennial. The seed can be sown any time from February to July, and soil prepared as follows: Take some leaf mold, about twice as much loam, and enough sand to make the whole light and porons. Mix all and pass through a fine sieve; fill a small, shallow hox to within an Inch of the top, and press down evenly. Then after watering the earth thoroughly, the seed may be sown on the surface with the lightest possible covering of soil, and kept constantly moist. It is best to place a piece of course brown wrapping paper on the soil to exclude light. If a line rose watering pot is not available, water as needed may be gently poured on the paper, which should be lifted at night to give air, and outrely removed as soon as signs of the plants appear. When the plants are large enough to bundle, they may be transplanted to another box, and when still larger put into

the pols in which they are to bloom, as they are sure to do the first winter. After blooming, the plants throw oul sets, which may be taken iff and treated the same as other entities. Those that have bloomed indoors should be set out in a shady place in the summer, and if flower bods appear, pinch them off. Never allow the sum on the seed pan or the plants.

Ricinus. -Half Hardy Annual. Soak the seeds in Inkewarm water until they commence to split open, before planting. Put in a warm, samny situation, and water frequently with liquid manure after the plants have attained strong growth.

Rose, Dwarf Polyantha,—Very hardy, and may be treated as annuals. Seed started in the house in February will give plants large enough to plant in the open ground in June where they will continue to bloom throughout the season.

Rhodochiton,-llalf Hardy Perenulal. See Maurandia for enlare.

Salvia. - Tender Annual. Start the plants in a hot-bed and trans-

Salpiglossis. Half Hardy Annual. Start early in hot-bed, and transplant to light, warm, rich soil.

Saponaria. - Hardy Annual. Simply requires sowing in open border as early in the spring as ground is in good condition.

Scabiosa. - (Mourning Bride.) Hardy Annual. Plant the seed in hot bed, and transplant to 1% feet apart.

Schizanthus. (Butterfly Flower.) Sow in finely prepared seedbed, or in boxes, in May; transplant to one fact apart in common sell. For indoor enture, sow at any time.

Senecio.—Half Hardy Annual. Succeeds in almost any loamy soil. Plant outside as early as the season will permit.

Smilax.—Tender Perennial. Soak the seed in warm, water twelve hours and plant in pots, in hot-bed or greenhouse, in February, and keep in warm, moist place. One plant in a two-inch pol is enough. After they have completed their growth, and the foliage begins to turn yellow, turn the pots on their sides and wilthold water till August, when the little bulb which has formed can be re-polted in good, rich earth, watered freely, and it will grow all winter.

Solanum. -(Jerusalem Cherry.) Half Hardy Annual, Easily raised from seed; succeeds in almost any rich, loany soil.

Statice. - Hardy Annual. Sow seed early in spring, in a frame, the young plants being put out into their permanent places when large enough. They thrive best in sandy soil, in the open border or on rockwork

Stocks.—(Ten Werks.) Hardy Annual. Sow in hoxes, indoors, in April, and transplant the last of May, in deep, rich soil, about one foot apart.

Sweet Peas, —Hardy Annual. Plant outdoors just as soon as the ground can be worked, five inches deep, in a double row, about ten inches apart, and the seeds dropped 1½ inches apart, in the farrows; unit fertilize with wood ashes, hone-flour or nitrate of soda. Supply brush or strings at least seven feet high, and water freely. Pick the blossoms every day and keep the pods off.

Sweet Rocket.-Hardy Perennial. Border plant; sweet-scented in the evening. They thrive best in a somewhat moist, sandy loam.

Sweet William. Hardy Perennial. Sow in prepared heds, in the garden, anywhere up to the middle of June, Transplant into good soil, eight inches apart. Cover lightly during the winter with leaves.

Thunbergia.-Half Hardy Annual. The seeds start slowly and should be sown in a hot-bed, or in a box in house, giving plenty of moisture and heat.

Torenia.—Annuel. Sow seed in March or April, in a warm temperature. When large enough to handle, the scedlings should be pricked off into the pots or hanging-basket in which they are intended to flower, A compost of leam and leaf mold, with a little sand or charcoal intermixed, is most suitable.

Verbena.—Tender Perennial. As early in the spring as sanshine and lengthening days warrant, sow the seeds in good garden soil, in a shallow box, cover to alcout their own depth, press the soil firmly about them and place in a sunny window. Do not allow the dirt to become to dry or too cold. Have patience; sometimes it takes a forthright for the seeds to germinate, or even longer. Much the seeds begin to appear above ground, be especially careful not to give too much water. When the third and fourth leaves appear, transplant into other boxes. If there is danger of insects, heat the cart in the even before transplanting, and set the seedlings into it when it cools off so as to be about blood warm. It is well to start the seeds early enough to have plants three or four incluss tall when the time comes for placing in the flower bed the last of May. Set the plants about eighteen inches apart, having previously made the ground rich and mellow. As fast as the branches appear, pin them down, firmly pressing the earth about them. The more the plants cross and re-cross each other, the better. Let very few blossoms go to seed; keep the weeds out, and the bed ought to thrive.

Vinca.—(Perriwinkle.) Tender Annual or Perennial. May be grown in the garden by setting out strong plants in a warm situation.

Violet.-Hardy Perennial. See Pausy for culture.

Wallflower.—Tender Perennial. Sow the seed early, and they will bloom the first year. While the plants are small, prick them out into pots.

Water Lilies.—The seed, when planted, should have a small hole drilled or filed through the shell to allow the water to penetrate the kernel, otherwise they will not germinate. The hest soil for growing them is rich, fibrous loam with a liberal admixture of well-rotted stable or cow manure. Rich und from the bed of a pond or slugglish stream is also good. They can be successfully grown in the open air in tube either on the surface or sunk in the ground. Oil barrels, cut in two, make inexpensive and convenient tubs. Put in the loam to tho depth of ten or tweive unches, in which plant the seeds, barrely covering them. Now fill in six inches of water, set in a sunny place, adding water gradually until the tub is full by the time the leaves have covered the surface, and replenish the water as it loses by evaporation. In winter pour off the water and remove to a cool cellar or keep from lard freezing by covering with leaves; This is all the care and trouble required to produce flowers equally as fine as are found in their natural houses.

Zinnia.—Hardy Annual. Succeeds well in any soll. Few plants qual the Double Zinnias for making effective beds of bloom. The seeds should be sown in March or April, and the seedlings transplanted once before removing to the open ground, which should not be done until danger of frost is past. Plant out temporarily at about six inches apart, and as the first flowers appear select the finest double specimens, lifting with a ball of earth attached to the roots, remove them to where they are to flower, setting at eighteen inches apart each way.

THE LANGUAGE OF FLOWERS.

Abronia · · · · ·	Delicacy, Refinement.
Adonls · · · · ·	Sorrowful Remembrance.
Agrostemma · · · ·	Gentility.
Alyssum, Sweet	Worth beyond beauty,
Amaranthus · · · ·	Hopeless, not heartless.
Amaryllis · · · · ·	Splendid beauty.
Anagallis · · · · ·	Change, Fickleness.
Anemone	Expectation,
Apple Blossom · · · ·	Preference
Ageratum	
Arbutus, trailing	Undying affection. Welcome.
Aspernia	
Azalea	Agreeubieness.
Aster	Romance.
Bachelor's Button · · ·	Afterthought.
Dutterent S Button	Hope in love,
Cacalia (Tassel Plower) · · ·	Riches.
	Adulation,
Calle 11	Thou lovest not.
Calla Lily	Feminine beauty.
Calliopsis	Vanity,
Camellia	Pity.
Campanula (Canterbury Bells) •	Constancy, Gratitude.
Canna	Revenge,
Candytuft · · · · ·	Indifference.
Cardiospermum (Balloon Vine) .	Kiss and make up.
Carnation, yellow · · · ·	Disdaln.
Catchfly (Silone) · · · ·	lam a willing prisoner
Centaurea · · · · ·	Single blessedness,
Centranthus · · · · ·	Personal charms.
Cedar · · · · ·	Hive for thee.
China Aster · · · ·	I will think of it.
Chrysanthemum, Rose · · ·	I love,
" White	Truth,
Clarkla · · · · · ·	Pleased to hear you.
Clematis · · · · ·	Artifire.
Clover, Red · · · · ·	Industry.
Cobea Scandens · · · ·	Gossip,
Cockscomb (Celosia) · · · ·	Foppery.
Columbine (Aqullegia)	Folly.
Convolvulus, Major	Dead hope,
Coreopsis · · · · ·	Love at first sight.
Cowslip	Pensiveness.
Crocus · · · ·	Cheerfulness.
Crown Imperial · · · ·	Majesty.
Cypress · · · · ·	Mourning.
Daffodll	Chivalry,
Dahlia · · · · ·	Forever thine.
Daisy, White	Innocence.
Dandellou · · · · ·	Coquetry,
Datura · · · · · ·	Deceltful Charms,
Delphinum (Larkspur) · · ·	Fickleness.
Digitalis (Fox Glave) · · ·	lusincerity.
Evening Primrose · · · ·	Inconstancy.
Eschscholzia • • • • • •	Do not refuse me.
Fuschia, Scarlet · · · ·	Taste.
Galllardia	Good scense,
Comphrena (Globe Amaranth) .	Unfading love,
Geranlum, Rose	
Gilia · · · · · ·	Preference, Sociablility.
Golden Rod	
COLUMN TANK A	Encouragement.

Heliotrope · · · · ·	I love you, devotion.
Hibiscus	Delicate beauty.
Holly	Foresight.
Hollyhock	Fruilfulness.
Honesty (Lunaria) · · · ·	Sincerity.
Honeysuckle · · · ·	Bond of Love.
Hyacinth · · · · ·	Jealousy.
lce Plant	Your looks freeze me.
Ipomoea · · · · · ·	I attach myself to you.
lpomosis · · · · ·	Excellence.
Jessamine, Cape	Friendship, Matrimony, Transical Joy.
Kanlfussia · · · · ·	Happiness in humble life.
Lady Slipper (Balsam) · · ·	Impalience,
Lantana	Rigor.
Lemon Blossom · · · ·	Discretion.
Leptosiphon	Rope,
Lilac · · · · ·	First emolion of love.
Lily · · · · · · ·	Purity, Modesly.
Lily of the Valley	Return of Happiness.
Lily, Yellow	Falsehood.
Linnun · · · · ·	Domestic industry.
Lobelia · · · · · ·	Malevolence.
Love-in-a-Mist (Nigella) • •	You puzzle me.
Lupinus (Snn Dials)	Dejection.
Lychnis (Ragged Robbin) • •	wit.
Malope	Good nature.
Marigold .	Crucity.
Marvel of Peru (Four o'clock) .	Timidity. Your qualities surpass your charms,
Mignonetto	Sensiliveness.
Mint	Virlne.
Mistletoe · · · · ·	I surmount all difficulties,
Minunlus	Fun, Jollity.
Mock Orange · · · ·	Counterfeit.
Mourning Bride (Scabiosa)	Unfortunate attachment.
Myosotis (Forget-Me-Not) · · ·	True love.
Myrtle · · · · ·	Love.
Narcissus · · · · ·	Egotism.
Nasturtium · · · ·	Patriolism.
Nemophila · · · · ·	Success.
Orange Flower	Chastity.
Pansy · · · · ·	Think of me.
Passion Flower	Religious fervor.
Pea, Everlasting · · · ·	Wilt thou go with me?
Pea, Sweet · · · · ·	Departure. This heart is thine.
Peoply	Anger.
	Well bred,
Penstemon · · · · · · · · · · · · · · · · · · ·	Consolation.
Perilla · · · · ·	Personal charms,
Petunia · · · · ·	Not proud.
Phlox · · · · ·	Our souls are united.
Pink · · · · · ·	Pure affection.
Poppy · · · · · ·	Sleep.
Portulaca · · · · ·	Love in a cottage.
Ricinus (Castor Oil Bean)	Deteslation.
Rocket - · · · ·	Rivalry.
Rose · · · · ·	Beauty.
Salpiglossis · · · ·	Political distinction.
Salvia · · · · ·	Wladom, energy.
Sanvitalla · · · · ·	Contentment.

Saponaría .					Humility,
Sensitive Plan	t ·				Timidity.
Snapdragon					Presumption.
Stocks, 10 Wee	ks .				Promptitude.
Sunflower, Dw	art				Your devoted adorer,
Sweet Sultan					Felicity.
Sweet William					Finesse.
Schizanthus •				٠	Coquetry.
Thunbergia					Elegance of manners.
Tulip					Declaration of love.
Venus' Lookin	g (H	188			Flattery.
Verbena •					Sensibility.
Violet, Blue •					Love.
Wall Flower					Fidelity.
					Constancy,
Xeranthemum					Cheerfulness.
Zinnia · ·					Absent friends.

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