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# GLADIOLUS BULBS

Chamberlain & Gage  
WELLESLEY, MASS.

*1914*

MONTAGUE CHAMBERLAIN  
L. MERTON GAGE

*Chamberlain & Gage have removed their Gladiolus Gardens from South Natick to Mayo Farm, Weston Road, Wellesley, Mass.*

# THE GLADIOLUS

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## AND HOW TO GROW IT

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**T**HERE is fashion in flowers as in other things, they come and go in gardening, and just now the Gladiolus is much in vogue.

But the Gladiolus is not a new flower—not by a long way. Our grandmothers knew it well and gave it an honored place in what we now call the “old-fashioned gardens,” but which were in reality ideal in their effectiveness and could boast a wealth of color that we moderns have not surpassed and a charm which few of the grandsons have been able to achieve.

To be more exact the Gladiolus was cultivated in Europe as far back as 1785; but we can fairly claim that the varieties of this stately flower, which our grandmothers knew, was vastly different and vastly inferior to the modern forms—the varieties which are being offered by the growers of to-day.

The first species that were cultivated were found in Southern Europe and Western Asia, but in 1830 South Africa yielded an additional species and since then a number of species have been discovered in Cape Colony and Natal, and it is from these, crossed with the best of Europe’s product, that the modern varieties have been evolved.

Looking back over the record of the advancement we find that the credit for most of the initial improvement has been given to Souchet, of Paris, Victor Lemoine, of Nancy, Van Houtte, of Ghent, and Leichtlin, of Baden Baden. But if the Europeans took the lead at the start, they have not retained it, for to-day the hybridizers of America are at least on an equal footing with their brethren across the way, and many of the American varieties are being eagerly sought by the old world growers. It is not boastful to state that some of American varieties are among the most beautiful and most effective that have been produced.

Just which variety would be selected as the Queen Beauty, would depend somewhat on the individual taste of the selector, but there are a number that receive very general praise when exhibited and a few that are universally admired.

In this latter list we would place Mrs. Frank Pendleton, a brilliant, dashing beauty with rich, soft pink petals of two shades and a patch of brilliant carmine on the minor petals. Other prime favorites are Glory, which has ruffled edges on

its creamy petals; Niagara, Naples yellow; Panama, rose pink; Badenia, true lavender, recently imported from Holland; Mary Fennell, another beautiful lavender with primrose yellow on the lower petals; Myrtle, wearing a delicate shade of soft pink, which won for it a silver medal; Mrs. Francis King, flame pink; Baron Hulot, dark violet; Sulphur King, clear sulphur yellow; Daisy Rand, rich rosy pink; Europa, a snow white importation from Germany; America, delicate shell pink, and probably the best-known and most widely admired of all varieties now grown; and Rajah, a majestic flower of rich dark red tone and imposing form. There are various others that are entitled to a place among the elite—Dawn, Independence, Afterglow, Rosella, La Luna, Wild Rose, but the list is already long. The last species added to the group is *Primulinus*, which was discovered in South Africa in 1889. The blossom is rather small but of dainty and graceful form and of an exquisite shade of primrose yellow.

Many of the varieties are quite expensive, but it is not necessary to purchase the more expensive sorts to get a desirable effect, for the price depends more upon the scarcity of the bulbs than the quality of the blossoms. Such varieties as Augusta, Chicago White, or Meadowvale, in white; America, Madame Monneret, or Salem, in light pink; and Mrs. Francis King, or Independence, in flame pink; *Branchleyensis* in scarlet and others, can be had for a trifling cost.

Formerly the *Gladiolus* was used entirely as a garden flower, and it can be made exceedingly effective there by planting in groups of well contrasted colors or in combination with other plants; but in recent years these blooms have been held in high esteem as cut flowers, their prime advantage being their ability to retain their good appearance for several days. If the spikes are cut when the first blossom opens and the spikes are then placed in water each blossom in turn will open, to the extreme tip of the spike, and will yield a pleasing decorative effect for ten or twelve days.

In writing of this flower, Mrs. Francis King, the well known authority on gardening, tells us:— “The cultivation of the *Gladiolus* is so exceedingly simple; the result so wonderfully rewarding; the color effect so certain of accomplishment with flowers which come as true to type and color as these; there is everything to praise in this flower, no check to the imagination when forming one's summer plans with lists of it by one's side. Gardens of enchantment might easily be created by the careful use of two annuals such as dark heliotrope, *Ageratum*, Stella Gurney, and the lavender, cool pink, and palest yellow *Gladiolus* mentioned on these pages.”

## Cultural Directions

**G**LADIOLI can be planted at any time after the frost is out of the ground, say from the middle of April, in this latitude, to the middle of May or even later. We have had very good results when planting the bulbs during the first ten days of June, and, unless the locality is visited by very early frosts, flowers will open before the frost comes if the bulbs are not put into the ground before the first of July. A few varieties will bloom in seventy-five to eighty days from date of planting, but most sorts require about ninety days.

Any fairly rich garden soil will be found suitable, or soil that will grow corn or potatoes, but if the soil is not fertile it may be enriched with barn manure, or with any complete fertilizer. A good potato phosphate will be found serviceable, or a combination of basic slag and potash.

For top dressing, after the plants are above the ground, sheep manure or hardwood ashes and ground bone will be effective. When buds begin to show color an application of liquid manure about once a week will improve the blooms. The plants require plenty of water and plenty of sunshine.

The depth at which the bulbs should be planted has occasioned considerable controversy, but we have found that a depth of four to six inches gives good results. Plant about three or four inches apart.

In the autumn the bulbs should be dug and dried thoroughly, and then stored in a cool place, where frost will not reach them.

# List of Varieties

## ALICE CHAMBERLAIN (KUNDERD)

The charm of this flower lies in the velvety texture of its petals and their splendid color, which is dark maroon of a rich tone. The blossoms are of good size and well opened. It is an attractive variety and creates splendid effects when combined with other colors.

10c each. \$1.00 per doz.

## AMARYLLIS (KUNDERD)

Blood red, of a brilliant tint. Spike of medium height. Flowers large and formed very like an Amaryllis. One of the best of the reds.

75c. each.

## AMERICA (BANNING)

Soft flesh pink, tinted with lavender; lower petals pencilled with deep rose pink. Flowers large and wide open. Several in bloom at one time. Especially beautiful and dainty. Exceedingly popular. Plant vigorous. Spike straight and strong.

5c. each. 50c. per doz.

## ANNY WIGMAN (HOPMAN)

Pale yellow with small dark blotch.

15c. each. \$1.50 doz.

## ARISTOPHANE (BRUNELT)

Salmon pink, with a slight rosy tinge, and bearing a white band in the center of each petal. The flower petals bear a blotch of pale yellow faintly lined with rich red. The flowers are large and well opened. Spike tall and straight.

25c. each.

## AUGUSTA (HALLOCK)

Clear white, with slight suffusion of pink on lower half of petals. Several flowers out at once. Vigorous grower and very popular.

5c. each. 50c. per doz.

## BADENIA

For a description of this beautiful variety we cannot do better than quote Mrs. Francis King, the well-known authority on floriculture.—She writes "No words can paint the beauty of this flower. A true lavender in color, not too blue, its flowers are large, finely expanded and many open upon the stem at one time."

This variety is quite new, but was exhibited last season at Chicago and at several of the large flower shows in Europe, and wherever seen it created a sensation.

Was awarded certificates at both Haarlem and London and won a medal at Chicago.

\$1.00 each.

## BALTIMORE

Salmon pink with a red blotch on the lower petal. A very attractive variety. New.



**BARON JOSEPH HULOT (LEMOINE)**

Rich purple violet. Flowers of medium size but of graceful form. Good for cutting.  
15c each. \$1.50 per doz.

**BARON STAFFE (LEMOINE)**

Well-expanded flowers of pale blue—a dark velvety blotch.  
10c. each. \$1.00 per doz.

**BERLINIA (COWEE)**

Beautiful shade of shell-pink, flaked with spots of a darker shade, the throat and three lower petals brilliantly marked with strong carmine.  
50c. each. \$5.00 per doz.

**BLUE JAY (GROFF)**

Bright blue, splashed with white. Flowers large, striking, and beautiful. Spike tall, strong, and straight.  
\$1.00 each. \$10.00 per doz.

**BRENCHLEYENSIS (YOUELL)**

Vivid scarlet with pencillings of yellow in the throat. Flowers of medium size but many are open at one time producing a brilliant effect. Especially useful for the garden. Vigorous grower. One of the oldest of the hybrids, and one of the most popular.  
5c. each. 50c. per doz.

**CAMEO (KUNDERD)**

The blossoms of this variety have a white ground color but this is so deeply overlaid with a rich tone of pink as to give the general appearance of a pink flower.  
15c. each. \$1.50 per doz.

**CANARY BIRD (CHILDS)**

Numerous flowers of good size on a tall straight spike and wearing a color of exquisite yellow tone, make this variety especially useful for decorative purposes and in combination with such sorts as America and Baron Hulot yield a splendid effect.

**CHERRY KING (KUNDERD)**

Cherry-red, of a rich, deep tint, with a blotch of still deeper tint on the lower petals. Flowers of medium size, but of a graceful form. Four to six out at one time. A very attractive sort.  
25c. each.

**CHICAGO WHITE (KUNDERD)**

The dominating color is white, though the throat is pale yellow and the inferior petals bear fine lines of rose pink. The flowers are of medium size, but they open early in the season; in fact this variety is considered the "earliest white."  
15c. each. \$1.50 per doz.

**CIGARETTE (KUNDERD)**

This variety produces a most unusual effect through the union of flaming scarlet with pale lilac—the latter appearing in a patch on the inferior petals. As five and six of these large flaming flowers come out at one time the effect is decidedly striking.  
15c. each \$1.50 per doz.

**CLARICE (KUNDERD)**

Soft rose pink flaked with a deeper tint. Flowers large and well opened; four or five open at one time. Spike straight and strong. Plant vigorous.

25c. each. \$2.50 per doz.

**CRACKER JACK (GROFF)**

Dark red, of rich, velvety texture; blotch of maroon on a yellow ground.

15c. each. \$1.50 per doz.

**DAISY RAND (KUNDERD)**

Of quite a different type from the dashing red varieties is this quietly colored but stately and refined pink aristocrat of the garden—a true Queen in dignity and elegance.

The color is a soft rose pink splashed with a darker tone, the lower petals bearing a small patch of pale buff pencilled with rosy pink.

The pink blossoms are set gracefully on the stem and are of beautiful lily-like form. As several are in bloom at one time the effect is exceptionally attractive.

This is one of the best of the new varieties but that it may become more widely known we have made the price exceptionally low for a novelty of such importance.

25c. each. \$2.50 per doz.

**DAWN (TRACY)**

Rose pink, of a beautiful tint. Flowers of graceful form. Spike tall and straight.

20c. each. \$2.00 per doz.

**DAWNRAY (CHILDS)**

Deep rose pink with white center. Spikes tall and straight. Plant vigorous.

20c. each. \$2.00 per doz.

**DESEMONE (VILMORIN)**

Flowers of ashy rose ground color, suffused with pale yellow and violet. Lower petal with large blotch of red edged with white. Blossoms of very large size and well opened. Extremely attractive.

20c. each. \$2.00 per doz.

**DORA KRAIS (PFITZER)**

Rich buff flecked with rosy pink; the lower petals bearing blotches of carmine on a yellow ground. Flowers large wide open and of graceful form. The spike is tall and the leaves are wide and firm. The entire plant is attractive and the blossoms have more than ordinary beauty.

20c. each. \$2.00 per doz.

**DORENE (KUNDERD)**

Usually a solid white, though sometimes the petals are slightly flushed with a delicate tint of pink. The flowers are of medium size, and six to eight appear at one time.

5c. each. 50c. per doz.

**EL CAPITAN (Syn: Tallest Sulphur) (KUNDERD)**

Bright sulphur yellow, with slight pencilling of red on the lower petals. Flowers large and well opened; four to six out at one time. Spike tall—four feet and over—strong and straight. Leaves wide; entire plant vigorous.

50c. each.

**ELIZABETH KURTZ (PFITZER)**

Alabaster white, slightly flecked with rosy pink. Flowers very large and of graceful lily-like form. Six to eight out at one time. Fine for garden effect or for cutting. One of the best of last season's novelties.

30c. each. \$3.00 per doz.

**EMPRESS OF INDIA (VELTHUYS)**

Rich dark red with a purplish tinge—a rare and beautiful color. The flowers have been greatly admired wherever shown. One of the best of recent novelties. Received certificates of merit at Haarlem and London in 1912.

50c. each.

**ENCHANTRESSE (VILMORIN)**

White suffused with pale lilac, the lower petal bearing lines of violet-red. Flowers large and of satiny texture. Several out at one time. A beautiful and effective variety.

50c. each. \$5.00 per doz.

**EUROPA (PFITZER)**

Snowy white, without a trace of color. The finest pure white yet offered. Awarded certificate of merit at London, Berlin, and Paris.

60c. each.

**FAËRIE (Syn: Cream Pink) (KUNDERD)**

Major petals of pale pink, splashed with a darker tone; the lower or inferior petals lemon yellow with fine lines of crimson and lipped with soft pink. This combination of yellow and pink produces a beautiful effect which makes the flower peculiarly attractive and creates admiration wherever exhibited. The spike is tall and straight, the blossoms large and well open, and several appear at one time.

25c. each. \$2.50 per doz.

**FLORENCE (SOUCHE)**

Bright lilac, with large white blotch on the flower petals. Flowers of unusually large size and exceedingly attractive coloring.

50c. each. \$5.00 per doz.

**GAIETY (Syn: Pigeon, Bird of Paradise) (KUNDERD)**

Bright salmon pink, suffused and spotted with a deeper tint; lower petals with a blotch of creamy white, pencilled with rich pink. Flowers large. Spike tall and straight. Exceptionally attractive.

25c. each.

**GALLIENI (BRUNLET)**

Poppy red of intense tone, shading to pink in the throat; a creamy blotch on the lower petal. The flowers are large, of the Gandevensis type and several are in bloom at one time, producing a brilliant and striking effect.

35c. each. \$3.50 per doz.

**GEORGE PAUL (Syn: Harvard) (LEMOINE)**

Deep crimson, slightly stained with yellow and spotted with purple. Large, open flowers.

10c. each. \$1.00 per doz.

**GLORY (KUNDERD)**

The opening buds are of a soft Nankeen yellow, edged with pink, but as the blossoms expand the ground color changes to a rich ivory white slightly suffused with pale lavender, which is deeper on the edges. The lower petals are buffish, with a pale crimson stripe through the center; the throat is pencilled with buff and crimson. The spike is straight and strong and bears twelve to twenty blossoms, which are large and of graceful form. The petals are heavily "ruffled," giving the flower a peculiar soft and beautiful effect.

This is the variety that made Kunderd famous. It was introduced two years ago, and was awarded certificates of merit at Rochester, Boston, and Baltimore.

10c. each. \$1.00 per doz.

**GLORY OF HOLLAND**

A new pure white with anthers of delicate lavender. Blossoms large—probably the largest of the white now on the market—and set gracefully upon a tall spike. Gained award of merit at Haarlem and at London.

**GLORY OF NORDWIJK**

We have not yet seen this variety in bloom, but it is represented as bearing very large and graceful blossoms of rich yellow. It was awarded a First Class Certificate at Haarlem and at London and the Hollanders say it is the best yellow that has been produced.

\$5.00 each.

**GOLDEN KING (BLACK)**

Bright golden yellow with an intense crimson patch on the lower petal. The flowers are large and well expanded, and six to eight are usually open at one time, making a highly striking appearance. It is one of the very best of the yellows.

20c. each. \$2.00 per doz.

**GOVERNIR HANLEY (KUNDERD)**

Rich cardinal, a little deeper in the throat. Flowers medium size; four to six out at one time. A fine sort for cutting.

25c. each.

**HALLEY**

The predominating color of these flowers is delicate salmon pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center, the whole producing a delightful effect.

The variety is quite new but has already gained a First Class Certificate, and become popular. 15c. each.

**IDA VAN (KUNDERD)**

The color of the petals is that brilliant red which the French Florists call "carthamus" but which is known in England as "Lincoln" red, while on the inferior petals is a blotch of strawberry red. The blossoms are large and wide open and with their brilliant coloring, make an imposing appearance. Six to eight are in bloom at one time. They have been much admired wherever exhibited and in the summer of 1913 won an award of merit at the exhibition of the British Gladiolus Society, held in London.

The plant is vigorous and the spike is straight and tall.

25c. each. \$2.50 per doz.

## **INDEPENDENCE (WOODRUFF)**

This variety has never received the attention to which its grand qualities justly entitle it and the strange reason for this neglect is found in the plant's splendid fertility. It proved so prolific that it quickly became abundant and the price was lowered so rapidly that buyers supposed it was of inferior quality and passed it over without examination. As a matter of fact the flowers are very beautiful and the vigor of the plant makes it an easy one to grow in perfection.

The color of the blossoms varies from deep rosy pink to orange scarlet but always brilliant and rich. The petals are of velvety texture and the vigor of the plant enables these petals to hold their color for a long time, making the variety especially useful as a cut flower or equally useful for massing in a garden. It is used extensively by the Boston florists for designs.

50c. per doz.

## **I. S. HENDRICKSON (CHILDS)**

Deep pink and white, irregularly mottled. In some plants the white predominates and in others the pink. Flowers very large. Spike tall and strong. Very showy and handsome.

25c. each. \$2.50 per doz.

## **JEAN DIEULAFOY (LEMOINE)**

Rich ivory white; lower petal blotched with carmine. Much used for cutting.

10c. each. \$1.00 per doz.

## **JESSIE PALMER (KUNDERD)**

The flowers are of pure snow white relieved by a patch of glistening carmine of an intense tone—forming a contrast that is peculiarly effective, and which has caused this variety to be much admired. Flowers are of medium size, but of graceful form; the spike is straight and strong and with the branching leaves tell of the plant's vigor and freedom from disease.

25c. each.

## **LE TRIOMPHE (BRUNELET)**

Purplish mauve splashed with a darker tone and striped with carmine; creamy white blotch on lower petals. Flowers very large and well expanded, measuring four to five inches across. Spike straight and strong. A showy flower of great merit.

\$1.00 each. \$10.00 per doz.

## **LILLIAN MORRISSEY (KUNDERD) (20)**

Bright crimson of an unusual rich and pleasing tone. It was considered the most beautiful color of all the flowers displayed at the August Show of the Massachusetts Horticultural Society in 1913. Flowers of medium size. Spike tall and straight.

10c. each. \$1.00 per doz.

## **LOVELINESS (VAN KONIJNENBURG)**

As its name implies this variety produces flowers of distinction in daintiness and beauty. The color is of pale creamy tone, soft and delicate, with a roseate tinge in the centre. The flowers are large and well placed on the spike; and as the major part of these splendid blossoms are open at one time they make this variety superior for decorative effect. Vase full of these exquisite beauties make a delightful display. The stalk is tall and straight and strong.

The variety was first seen in London last year and was much admired. It was awarded a prize there and also gained a certificate in Haarlem.

\$1.00 each.

**MADAM DE VILMORIN** (SOUCHET)

Pale flesh pink, pencilled with rosy carmine. Flowers large and well opened. A distinctive and attractive variety.  
35c. each.

**MADAME MONNERET** (LEMOINE)

Bright rose pink. Flowers of good size and gracefully formed.  
5c. each. 50c. per doz.

**MARY BANCROFT** (KUNDERD)

Creamy white ground color, suffused with rosy pink through center of petal. Outside of petals of deeper tint. Lower petals with blotch of rich crimson on a ground of lemon yellow.

Flowers large and well expanded—four to six open at one time.

An extremely showy and handsome variety. One of the best of the recent productions.

60c. each.

**MARY FENNEL** (Syn: *Charlotte, Giant Lavender*) (KUNDERD)

Deep lavender shading to a paler tint; lower petals primrose-yellow with pencilling of lavender.

Flowers large and well expanded—three and four open at one time. Stalk tall and straight.

Unusual and attractive. There is no other gladiolus like it. It is beautiful and refined, and stately as a duchess, and will be prized by those who admire the patricians of the garden.

25c. each \$2.50 per doz.

**MAY** (CRAWFORD)

White, finely flaked with bright, rosy crimson. Plant vigorous, spike strong, excellent for forcing. Very popular.

5c. each. 50c. per doz.

**MEADOWVALE** (COWEE)

White with a flake of crimson at the throat and a dash of soft pink on lower petals. Ten to twelve flowers in bloom at one time.

Plant vigorous, spike straight and strong.

5c. each. 50c. per doz.

**MEPHISTO** (PFITZER)

Outside, dark salmon carmine; inside coppery scarlet; the whole flecked with brownish red ("tigered."). The coloring is brilliant and conspicuous, quite unusual. The variety is fine for cutting.

35c. each. \$3.50 per doz.

**MEPHISTOPHELES** (LEMOINE)

Bright crimson splashed with dark crimson and yellow. Flowers large and very attractive. Effective for the garden.

10c. each. \$1.00 per doz.

**METEOR** (PFITZER)

Bright nasturtium red, a blotch of carmine on the lower petals. Flowers large and well opened. Spike tall, straight, and strong. Striking and effective, especially adapted for the garden.

35c. each. \$3.50 per doz.

**MRS. A. E. KUNDERD** (KUNDERD)

White, slightly suffused with pink and with fine red lines in the throat. Flowers large, well formed, and of good substance.

30c. each.

**MRS. BEECHER (CHILDS)**

Rosy crimson of rich tone, excepting the throat, which is white spotted with red. The blossoms are large and well opened.

10c. each. \$1.00 per doz.

**MRS. FRANCIS KING (COBLENTZ)**

Flame pink. Flowers large and well expanded, of graceful form and beautiful color. The spike is tall, straight, and strong. One of the most attractive and most popular of gladioli. Excellent for garden effect and for cutting.

60c. per doz.

**MRS. FRANK PENDLETON (KUNDERD)**

The selection of the most beautiful variety of any flower is a good deal a matter of personal preference, but in a list of the most beautiful gladioli now grown the premiere station would probably be awarded to Mrs. Frank Pendleton by the majority of judges. It is indeed a splendid flower and its brilliant beauty is obtained through a combining and blending of brilliant colors—bright pink of two tones and rich carmine, the latter appearing on the inferior petals. Its type of beauty is of the compelling sort—you cannot pass a vase filled with its spikes without stopping to admire. Wherever it had been exhibited it has been given unstinted praise, and has won award at Boston, Worcester, Rochester, New York, Baltimore, Chicago, and London and this at a time when beautiful gladioli are not rare—the competitors and rivals of Mrs. Frank Pendleton have been famous beauties.

The blossoms are large, well opened and of graceful form. The spike is tall and straight and the entire plant displays health and vigor.

50c. each. \$5.00 per doz.

**MRS. G. W. MOULTON**

Another beautiful red flower of a dark, rich tone, splashed with a darker tone, on the inferior petals which also bear delicate tracings of white.

The spike is tall and straight, the leaves large and firm and with its large, graceful and richly colored flowers it makes an especially attractive plant for garden effect.

Of its type it has few peers, its nearest rival being the celebrated Meteor, of German origin, which has won so many prizes in Europe.

25c. each. \$2.50 per doz.

**MRS. JAMES H. LANCASHIRE (TRACY)**

Pinkish buff splashed with rose pink; the inferior petals bear a blotch of carmine on a yellow ground. The outside of the petals is heavily splashed with rose pink. A very handsome flower, large and well expanded.

35c. each. \$3.50 per doz.

**MRS. L. MERTON GAGE (KUNDERD) (13)**

Glistening white, with an occasional suffusion of delicate pink; lower petals bear a dainty stippling of rose pink. Anthers purplish blue. Flowers of good size and graceful form. Spike straight and strong; blooms early.

One of the best of the whites.

\$1.00 each.

**MRS. MALCOLM MACKAY (Syn: Improved 1900) (KUNDERD)**

Cherry-red of intense tint, with a large patch of snowy white on the lower petals. Flower of good size, well expanded, and of graceful form—five to eight in bloom at one time. Spike tall, straight, and strong.

Somewhat similar to Contrast and Margaret, but the red is brighter and the white purer, and together they produce a more attractive blossom than any of the several varieties, that wear these strongly contrasted colors.

Especially effective in the garden, yet fine for cutting.

25c. each. \$2.50 per doz.

**MRS MONTAGUE CHAMBERLAIN (KUNDERD)**

Snowy white, the lower petal with slight line of crimson, Flowers large and lily shaped. Plant very vigorous. Leaves broad Stalk four to five feet high—straight and stately. Usually three flower spikes on each stalk.

A particularly desirable variety for the garden, coming into bloom early and lasting till late in the season.

\$1.00 each.

**MRS. W. E. FRYER (KUNDERD)**

A brilliant fiery orange scarlet. Very broad and heavy petaled flowers of great substance. Good height, massive spike and foliage two inches broad.

25c. each. \$2.50 per doz.

**MONADNOCK (KUNDERD) (24)**

The buds are a rich apricot, but when full blown they become a delightful shade of creamy pink, the edges of the petals flaked with salmon pink. On the inferior petals is a small patch of violet on a ground of sulphur yellow. As five and six of these blossoms are open at one time they produce a splendid effect.

10c. each. \$1.00 per doz.

**MONS. A. BRONGNIART (BRUNELET)**

Ground color rose pink, slightly tinged with orange, and splashed with red. A large white blotch on the lower petal. Much admired.

15c. each. \$1.50 per doz.

**MYRTLE (Syn: Soft Pink) (KUNDERD)**

Tender and delicate rose pink, the most beautiful pink yet produced in a gladiolus. The throat is lighter and on the inferior petals is a small patch of pale primrose yellow.

Flowers of good size and graceful form. Four to six out at one time.

Blooms early. Capital for forcing.

Awarded a silver medal by the Massachusetts Horticultural Society in 1912.

60c. each.

**NEZINSCOTT (CHILDS)**

Bright scarlet, with dark, rich crimson blotch and white pencil-lines in the throat. Very showy. Tall and vigorous.

15c. each. \$1.50 per doz.

**NIAGARA (BANNING)**

Soft primrose yellow, slightly tinged with rose pink in the throat. Flowers large and of exceptionally graceful form. One of the best of the novelties of 1911. Awarded certificate of merit at Boston and Baltimore.

30c. each. \$3.00 per doz.



**PANAMA (BANNING)**

A seedling of America, which it resembles, but of a deeper pink, and the petals suffused with a still deeper tone and bearing pencillings of bright rose. One of the finest. Awarded a first-class certificate at Newport in 1911.

50c. each. \$5.00 per doz.

**PARURE (BRUNELET)**

Rose pink, of satiny texture, white line in center of petals, edges pencilled with carmine. Flowers very large, well expanded, and of good form and substance. A graceful, attractive and beautiful variety.

60c. each.

**PEACE (GROFF)**

A large flowered, vigorous plant, tall and straight spike, rich colored and abundant foliage and blossoms of a bluish white tone. The lower petals wear a thin line of dark carmine. The general appearance of this variety, when in bloom, is simple and quiet but graceful elegance.

20c. each. \$2.00 per doz.

**PINK PERFECTION (HOPMAN)**

One of the finest of the newer bright pinks, and the best pink yet produced in Holland. The flowers are large and well opened, and the spike is straight and strong.

The variety has been much admired and has won certificates in Haarlem, Amsterdam and London.

**PIONEER (BRUNELET)**

Long spike with large, well-expanded flowers of salmon pink, splashed with a darkertone; cherry-red blotches on a creamy ground.

10c. each. 75c. per doz.

**PREMIERE (KUNDERD) (29)**

Creamy white suffused with soft crimson (on some spikes the tint is deeper); the lower petals bear a crimson blotch. The outside of the petals are suffused with pale cerise. Effective and beautiful. Spike three to four feet high; twelve to sixteen blossoms on each spike, and five to eight open at one time.

Plant vigorous, foliage robust.

Blooms early—seventy-three to seventy-five days from date of planting.

10c. each. \$1.00 per doz.

**PRIDE OF GOSHEN (KUNDERD)**

Bright salmon pink. Flowers very large and well opened. Petals heavily ruffled. Plant unusually tall and vigorous. General appearance imposing. New.

25c. each.

**PRIMULINUS**

A new and rare species, discovered in South Africa in 1889. The color is a clear primrose yellow. The form of the flower is distinctive, the upper petal drooping forward. The foliage is slender but vigorous. Blooms early.

20c. each. \$2.00 per doz.

## PRIMULINUS HYBRIDS

Varying in color from yellow to crimson. Rich in coloring, Graceful in form and vigorous.

10c. each. \$1.00 per doz.

## PRINCEPINE (KIRCHOFF)

The blossoms of this variety, which is a seedling of Princeps, are large and well opened. The color is a bright red with white blotches on the lower petals.

A very attractive flower.

25c. each. \$2.50 per doz.

## PRINCEPS (VAN FLEET)

Dazzling scarlet, a patch on the lower petals of buffish white, bordered by clear white. Flowers of amaryllis-like form and of immense size, measuring five inches and more across. Usually one or two only are in bloom at one time, though occasional spikes will produce a fourth bloom before the first has faded. A grand and brilliant variety.

15c. each. \$1.50 per doz.

## PRINCESS OF ORANGE (KUNDERD)

A new variety of deep orange color relieved by a fine line of white. The blossoms are of large size but of graceful form, making a spike that is exceedingly attractive.

25c. each. \$2.50 per 100.

## PROPHETESSE (LEMOINE)

White with crimson throat. Flowers large and well expanded. Vigorous plant. Blooms early.

10c. each. \$1.00 per doz.

## RAJAH (KUNDERD)

Deep, rich red, suffused with a darker tint. Flowers of immense size, four to five inches across—four to six open at one time. Plant tall and vigorous.

The best dark red yet produced.

Awarded a silver medal by the Massachusetts Horticultural Society, Boston, August 19, 1911.

\$2.00 each.

## REINE DE L'ANJOU (Syn: Reine Blanche, le Radium, Jeanne d'Arc, White Excelsior) (BARRE)

Pure white, except a small crimson line at the bottom of the throat. Flowers of graceful form and good size and substance. Plant exceptionally vigorous, growing four to five feet in height and producing generally three flowers' stems, which bear twelve to twenty blossoms each. One of the best of the whites. Especially effective for the garden.

10c. each. \$1.00 per doz.

## ROSELLA (COWEE)

Mrs. Francis King, when describing this variety writes:—

“Gladiolus Rosella is a lovely thing. In its main tone carmine purple (chart Pourpe carmine No. 1) with its throat markings No. 3 of the same plate, the effect is of a huge flower of rich orchid-like pink, very beautiful, a very open spreading flower. Rosella above ageratum Stella Gurney cannot fail to be a success in color plantings. Rosella below Salvia Azurea, with the annual pink mallow near by; and last, Rosella with Baron Hulot, that small flowered but ever needed gladiolus of the color known as Bishop's violet.”

10c. each. \$1.00 per doz.

**ROSY SPRAY (CHILDS)**

Pale rose pink suffused with a deeper tone. Flowers large, wide open, and of exceedingly graceful lily-like form. One of the best  
 15c. each. \$1.50 per doz.

**SAGAMORE (KUNDERD) (137)**

A new variety of brilliant cochineal red with amber yellow blotch on the three minor petals. Spike tall and straight; plant vigorous. General appearance exceedingly effective.  
 10c. each. \$1.00 per doz.

**SCARSDALE (COWEE)**

Tall grower with large lilac colored flowers.  
 10c. each. \$1.00 per doz.

**SHAKESPEARE (SOUCHET)**

White slightly suffused with rose. Flowers of good size and well opened. Spike tall and straight.  
 10c. each. \$1.00 per doz.

**SNOWBANK (COWEE)**

Fine spike of well-formed flowers; white, stained red at base of petals.  
 10c. each. \$1.00 per doz. \$5.00 per 100.

**SOROLLO (KUNDERD)**

A bright, rich claret of intense tone, bearing on the inferior petals a line of buff.  
 The blossoms are large and of graceful lily-like form, and velvety texture, five and six are out at one time. The spike is straight and strong and the entire plant displays vigor. New.  
 25c. each. \$2.50 per doz.

**SPRING SONG (KUNDERD)**

Pale primrose yellow, or Naples yellow, suffused with soft, rosy pink; lower petals with blotch of canary yellow, pencilled with rich pink; much the same color as Niagara but the flowers are smaller and more graceful.

Flowers of good size and graceful form—five to six out at one time. Spike straight and strong; plant vigorous.

One of the most beautiful of the new varieties, of a soft, delicate, poetic beauty that will make it a favorite with those who admire refinement in flowers. Excellent for garden effect and for cutting.  
 10c. each. \$1.00 per doz.

**SULPHUR KING (CHILDS)**

Clear sulphur yellow—the best of the yellows. Beautiful flowers and vigorous plant. Spike straight and strong.  
 25c. each. \$2.50 per doz.

**TAVISTOCK (GAGE)**

Similar to Princes, of which it is a seedling, but the red is not quite so bright and the white blotch is less conspicuous, while more flowers appear at one time than the parent displays.  
 25c. each. \$2.50 per doz.

**THE KING (COWEE)**

Rich magenta, the throat bearing a blotch of red on a white ground. Flowers large and wide open. One of the finest of the nanceianus class.

10c. each. \$1.00 per doz.

**WACHUSETTS (KUNDERD)**

Buds deep rich apricot; open flower pale apricot suffused with soft pink, throat and lower petals pencilled with a deeper tint of pink.

Flowers large, of velvety substance, and graceful form, refined and stately—five out at one time.

10c. each. \$1.00 per doz.

**WILD ROSE (CHILDS)**

Bright rose pink, more or less splashed with lighter and deeper tints, fine lines of deep pink on lower petals. Flowers large and of graceful form. One of the best.

20c. each. \$2.00 per doz.

**WILLIAM STEINHAUSEN (PFITZER)**

Soft scarlet with pale crimson blotches on lower petals. Unopened buds, livid scarlet. A splendid variety. Awarded a first-class certificate by the Massachusetts Horticultural Society.

50c. each.

**WILLIAM FALCONER (CHILDS)**

A large pink flower of a beautiful tint. Spike tall and straight. An old favorite

20c. each. \$2.00 per doz.

# Mixtures

The average gardener feels reluctance in ordering mixed gladioli because so many mixtures have proved inferior and disappointing—and it is cruelly disappointing to spend money and labor on a group of plants only to discover in the blooming season that the expenditure has produced most unsatisfactory results.

To avoid such results we have put in our mixture none but carefully selected varieties. The major part are products of hand-pollinated seed which have been tested on our trial grounds. The blossoms of every plant has been examined with care and all of inferior quality either in form or color, have been taken out. Besides these seedlings the mixture of separate colors contain a portion of named varieties.

We have thus produced mixtures of high grade—indeed many of the seedlings are quite equal to the best of named varieties and have been put in the mixture merely because they were so nearly similar to established sorts that their segregation would be unprofitable.

It is because of the careful preparation of these mixtures that we are able to recommend them to lovers of beautiful flowers and to encourage their use we made the prices attractively low.

## GARDEN MIXTURE

This collection is especially adapted for the garden. The flowers are of good size and the colors bright and pleasing. All commonplace sorts have been discarded.

50c. per doz. \$2.50 per 100.

## HYBRID SEEDLINGS (C & G.)

A selection of varieties, grown from hand-crossed seed representing every shade of color.

50c. per doz. \$3.00 per 100.

## EXHIBITION MIXTURE

This mixture is composed of high-grade varieties of decide merit, the selection having been made with the purpose of securing a well-balanced combination of colors for garden effect. The flowers are also suitable for cutting.

\$1.00 per doz. \$5.00 per 100.

## WHITE AND LIGHT MIXTURE

\$1.00 per doz. \$5.00 per 100.

## PINK MIXTURE

\$1.00 per doz. \$5.00 per 100.

## RED MIXTURE

\$1.00 per doz. \$4.00 per 100.

## YELLOW MIXTURE

\$1.00 per doz. \$6.00 per 100.

## PURPLE AND BLUE MIXTURE

\$1.00 per doz. \$3.00 per 100.

# A Massachusetts Gladiolus Farm

WILLIAM H. HATFIELD in *Horticulture*

THE writer was interested to see the number of people visiting the gladiolus trial grounds and farm of Chamberlain & Gage at South Natick, Mass. They frequent the farm generally on Sundays, and are sure to carry a bouquet home with them.

These men are growing about 40,000 seedlings, which are being tested and improved by cross-breeding. Their work is especially on the Lemoinei type, with the object of securing a large flower and eliminating the hooded type peculiar to gladiolus Lemoinei. Colors are coming freely in light and white shades. There are some brilliant reds and cream shades. Mr. Gage is working to get larger blues, with more intense blue color, eliminating as much as possible all purple tints, and developing at the same time a better formed flower with bold and distinct markings. The hardest color to obtain in a gladiolus is a dark golden shade. In this Mr. Gage is in a fair way to succeed. He has some distinctly beautiful seedlings of various shades of yellow,—from apricot to almost pure yellow, and, for this color, he has some remarkably well-formed flowers, and full spikes. There are several promising whites; at least three will be heard from in the near future.

\* \* \* \* \*

Mrs. Frank Pendleton has proved one of the best varieties yet introduced. It was awarded a first-class certificate of merit in 1909, by the Mass. Horticultural Society, and in Baltimore, it was honored by the American Gladiolus Society with a certificate. The coloring of the flower is exceptionally beautiful, a rich, soft pink, shading to darker tints in striking contrast with the brilliant carmine patch on the minor petals. Such coloring may not produce the delicate, subtle beauty that is the charm of America, nor the majestic beauty of Rajah, nor the poetic, winsome beauty of Spring Song and Myrtle, nor the quiet stateliness of Daisy Rand. But Pendleton, has a beauty all its own; a brilliant, dashing, compelling beauty that makes you stop and admire.

Mr. Chamberlain obtained a silver medal for Rajah, awarded by the Massachusetts Horticultural Society in 1911. Rajah is a deep, rich red, suffused with a darker tint. In 1912, a silver medal was awarded him by the Massachusetts Horticultural Society for Myrtle, a tender and delicate rose pink.

Chamberlain & Gage have many novelties listed. The best of these are: Amaryllis, a blood red color; Cherry King, deeply tinted; Daisy Rand, deep pink; Lillian Morrissey, bright crimson; Mrs. L. Merton Gage, glistening white; Mrs. Malcolm Mackay, intense red, with a patch of white on the lower petals; Mrs. G. W. Moulten, the color of American Beauty rose; Myrtle, soft pink; Spring Song, primrose yellow suffused with soft pink; Clarice, rose pink, flaked with a deeper tint; Mary Bancroft, creamy white and carmine; Mary Fennell, deep lavender, shading to a paler tint.

A striking feature of the blooms is their very remarkable color, so rich, brilliant, and true to name. The flowers bloom profusely on strong spikes, some of the blooms measuring six inches in diameter. Grown on sandy soil, the bulbs may not have the size they would have on a richer, heavier soil, but they have substance and blooming qualities, which is far more important.

# What Others Say of Us

From the *Florist Review*

## GLADIOLI IN THE EAST

**U**PON paying a visit recently to the firm of Chamberlain & Gage, of South Natick, Mass., I was especially impressed with the magnificent display of gladioli at their place. This firm is most fortunate in having an ideal setting for the flowers. The gardens are a few rods distant from the buildings and are reached by a winding path shaded at intervals by giant trees, and bordering a large pond dotted with glorious pink-tinted water-lilies of great size and fragrance. Passing over a slight incline, one enters a grove of oaks, whose grateful shade borders the acres of blossoming gladioli.

L. Merton Gage, who superintends the field work for the firm, is kept quite busy at present, selecting and marking the choicest specimens in the finest collection of seedlings I ever examined. Among the many fine things, I counted ten solid whites and also eight yellows, any one of which surpasses anything now on the market. The finest of these is as yellow as a Von Sion jonquil and of fine form and substance. A white seedling as large as a Princeps at its best, of perfectly pure paper-white color, showed no tinge of deepening color under a broiling sun.

A new variety of Kunderd's, of which Mr. Gage informed me he had purchased the entire stock for the firm, will create a sensation in the trade when introduced, as it is a superb florists' variety; color a delicate cream-pink with creamy-yellow throat, and six enormous blooms open at once on a tall, straight stem. A bewildering show of named varieties, including Rajah, a royal deep red; Myrtle, pale pink with soft, white throat; and the ever-enchanting Mrs. Frank Pendleton, were much admired.

This firm is producing a race of seedlings of Pendleton strain, which is a revelation of wide-open, strikingly marked flowers of surpassing beauty. The writer spent a memorable two days' visit here and enjoyed every minute.

H. E. M.





