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The

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SECTION OF SEED AND PLANT IN INDUCTION
Texas
INDEXED
Munson

Nurseries



San Jacinto

1899

1900

Denison,

Texas.

Those wishing questions answered will please first read this page.

Horticultural Information.

A REQUEST.

Often persons to whom our Catalogue has been sent write us for information about what varieties succeed best in this and that locality, and ask us to recommend a special list for their locality, and for various other horticultural information.

This Catalogue is specially arranged to answer all such questions as definitely as is possible for us to do, unless we should establish experiment stations in numerous parts of the country to get the special information. We have done as nearly that as possible, by visiting nearly every part of the entire country, taking notes of the successful and unsuccessful, and gleaned information from every reliable source, collecting and testing in our grounds nearly every promising variety brought out, and finally propagating the best only, and embodying brief, pointed descriptions of them, giving seasons, localities where most successful, etc., so that any diligent student of our Catalogue will find generally the very information we are so often asked to give. But if any one, after careful study of the Catalogue fails to get the knowledge he wants, we shall be pleased to write it to him, if we have it, or else refer him to works containing the knowledge.

This Catalogue is aimed to contain the very best information and list of varieties for the South and West that is possible to put in the space, so please do not lightly throw it aside. It embodies the best knowledge about varieties that twenty-three years of diligent work in the Southwest has secured.

No cultivator of fruits, trees or flowers can afford to be without some of the books mentioned below.

A SMALL LIBRARY OF MOST USEFUL HORTICULTURAL BOOKS.

These Books and Journals answer your questions in the best manner. If, however, neither the Catalogue nor the Books mentioned below cover your questions, we will answer them briefly, providing stamps are included for return postage.

So many of our customers write us for horticultural information (which we have ever most gladly given by letter, until the questions have become too numerous for us to longer thus answer) that we have, after careful examination, selected the following list of works of most approved authorship, and arranged to mail direct to those ordering at publishers prices, given below. No discounts can be made on books.

Nearly every one of these books is profusely illustrated. The journals named are of the highest standard.

American Fruit Culturist. J. J. Thomas, revised, enlarged.....	\$2 50
American Grape Training. Including Munson's Trellis System. Prof. L. H. Bailey.....	75
Bailey's Field Notes on Apple Culture.	75
Bailey's Principles of Fruit Growing. Just published; a superb work.....	1 25
Black's Cultivation of the Peach. Including a chapter on Pears.....	1 50
Bushberg Grape Manual. Most valuable work on American Grapes. Newly revised and enlarged	1 00
Elliot's Practical Landscape Gardening. The planting of ornamental grounds.....	1 50
Fruits and Fruit Trees of America. Downing. A complete encyclopedia of Pomology.....	5 00
Fuller's Small Fruit Culturist. Covering all classes of small fruits.....	1 50
Fungus Diseases of the Grape and other Plants, and Treatment. Scribner.....	75
Hand-book of Tree Planting. Where, how, and what to plant for groves and forests.....	75
Harris' Talks on Manure. Treating the entire subject in a practical way.....	1 75
Henderson's Gardening for Profit.	2 00
Henderson's Practical Floriculture	1 50
Horticulturists' Rule Book. Rules for the practical gardener. Prof. L. H. Bailey.....	1 00
Husman's American Grape Growing and Wine Making. Latest revised edition.....	1 50
Irrigation Farming. Lute Wilcox. The best book on the subject; profusely illustrated.....	2 00
Johnson's "How Crops Grow." Exceedingly important to one who would succeed.....	2 00
Oemler's Gardening for the South. Treating of vegetables and fruits.....	1 50
Quinn's Pear Culture for Profit.	1 00
Strawberry Culturist. Fuller.....	25

JOURNALS: *American Agriculturist*, weekly, \$1; *American Gardening*, weekly, \$1; *Rural New Yorker*, weekly, \$1; *Texas Farm and Ranch*, weekly, the best of all southern agricultural and horticultural journals, \$1; *Southern Florist*, monthly, \$1; *Western Fruit Grower*, monthly, 50 cents. Any other horticultural journals desired sent at publishers' rates.

DO YOU WISH OUR CATALOGUE CONTINUED?

Those who desire to receive our future catalogues will please state so on a postal card, giving name and correct address. Without such request we shall discontinue it.

Introductory.

To Our Numerous, Intelligent, Discriminating Customers :

The following careful, truthful descriptions are of far more value in making successful selections than would be the grandest set of pictures that could be executed. Therefore, study the descriptions, and preserve this Catalogue, for it will be found a most valuable horticultural work of reference. Our methods of propagation are those pursued by the largest, most intelligent and most successful planters of commercial orchards.

Those varieties throughout the catalogue, outside our special list of Grapes, preceded by (*), were introduced by us after careful testing, and we are proud of them. They are generally making excellent records, and some have become recognized standards.

In some cases, varieties heretofore included in our Catalogue are omitted. Some of these are dropped, as others included are better for the same season, and of some we have no stock to offer this year; such may be inserted when we again have stock of them. Please do not order varieties not named in this Catalogue.

While we have a reputation for making a specialty of Grapes, we have by no means neglected other departments or classes of fruits in our line of business. All have had the same vigilant care in testing, selecting and propagation, so that we will be found up with the times in all things.

In our experimental department, we systematically test all new, very promising varieties as they come out, and ourselves originate numerous varieties of grapes, plums, persimmons, etc. By carefully combining the best strains, and testing for a series of years in various localities, we from time to time introduce those proving superior to others in cultivation of the same season. We especially call attention to our new Grapes, and to varieties throughout the Catalogue printed in CAPITALS.

Planters for Market Purposes. We have long made a specialty of supplying those who plant largely for market, and have given splendid satisfaction, as many large orchards, vineyards, and small fruit plantations in all parts of the country attest. To such parties we will make very low prices, on specified lists made out from the Catalogue, either delivered on cars at Denison, or at purchaser's railway depot.

TELEPHONE CONNECTION, Local and Long-distance. We are in connection with the Southwestern Telephone and Telegraph Company, Denison and Choctaw Telephone Co., and Conway Telephone Co., whereby our patrons can communicate directly with our office, and thus save time. Telephone orders attended to promptly. 'Phone 49.

T. V. MUNSON & SON, Denison, Texas.

THOSE WHO INTEND TO ORDER OF US SHOULD NOT FAIL TO READ THE FOLLOWING.

TERMS, CONDITIONS, SHIPPING, ETC.

Cash (by Draft, Money Order or Registered Letter) with order will secure prompt filling. No goods shipped unless cash or satisfactory security accompanies the order. If personal checks are sent, include 15 cents for collection, which amount they cost us. Orders held until personal checks are collected. Time, risk and expense saved by remitting by postal or express order, or bank draft. Please use order sheet in Catalogue.

To secure goods not wanted sent at once, send one-half the cost with the order. No reserve will be made otherwise. Goods will be shipped "C. O. D." only when one-half payment is sent with order.

Our responsibility ceases after delivery, according to the prices and specifications named below, under "We Prepay Freight, and "Prices," except for mistakes in filling, which must be reported immediately after receipt of goods, to admit of adjustment. A double system of checking is employed in putting up orders, so that mistakes are rare, and sometimes customers complain of an error and afterwards find it was their own mistake.

Every care is taken to secure safe and prompt transportation. Goods are carefully packed in moss or straw, well baled or boxed.

It is always better to ship by Express, unless the amount of stock is large. Nursery stock goes by express at especially low rates.

Give explicit directions for shipment. When such are not given, we shall use our best judgment in selecting a route, but will not be responsible for loss thereby, excepting on goods on which we prepay freight. See "We prepay Freight." Shipping facilities in every direction from Denison are excellent.

Customers will generally be most successful in getting desirable assortments by leaving the selection, in part at least, to us, as we have much experience in testing and growing for market, but we desire everyone to have his or her choice as nearly as possible.

It is to our own interest to give customers the best terms and selections possible. But we cannot prevent Drouths, Severe Winters, Early and Late Frosts, Insects and Rabbits, etc., from cutting, nor plants from dying by bad treatment in other hands, hence **we never insure trees to live after leaving our possession**, but do deliver good stock in good order, true to name. In case we fail in these, we replace at once or refund money. After stock is accepted, we replace none that may die after planting.

We are responsible to all of our customers, and to them only, for the character of the goods, and to them or their forwarders, express and railway companies, we guarantee to deliver stock in good order, true to name. With such delivery our responsibility ceases.

CAUTION.—We employ no traveling agents. Those claiming to be our traveling agents are frauds, and should be shunned. We have learned of a number of such operators, and have advised them for the protection of planters.

CLUB ORDERS.—Many responsible persons get up Club Orders in their own communities, and send in to secure club rates. Such trade is respectfully solicited. Club rates will be given on application. This is the nearest approach we make to agency work.

SUBSTITUTION.—If it is not explicitly stated in the order that no substitution is permitted in case the variety ordered is sold out, we shall consider permission to substitute granted, and then put in place of the variety ordered another, always with its correct name and one of equal or better value, unless such is not in stock, when the variety will be left unfilled and the money for it returned.

Please do not order articles not named in Catalogue. We catalogue only what we have for sale, and aim to sell only what we produce.

SEASON FOR SHIPPING AND TRANSPLANTING.—We begin digging Strawberry Plants October 15, **not earlier**, and other stock November 1, and continue almost uninterruptedly to dig and ship until March 15, November, December and February being the best months in which to transplant in the South.

TREES AND PLANTS BY MAIL.—Small fruit trees and shrubs, one-year grape vines, strawberry, raspberry and blackberry plants, can be sent by mail in packages of less than four pounds each, at the rate of one cent for every two ounces. To cover this and packing, remit for every tree, shrub or grape vine, 5 cents each when six or less are ordered, 4 cents each when six to twelve are ordered, and 3 cents each when more than twelve are ordered. For berry plants, remit 10 cents per dozen, 20 cents for fifty, and 35 cents per hundred.

BUDS, CIONS AND CUTTINGS.—We do not offer these for sale except where noted in the Catalogue.

WE PREPAY FREIGHT.—When customers so desire it, and remit prices securing it, as stated in connection with each class of fruit in Catalogue, we prepay freight or express charges, as we may select, to their nearest railway depot, when within the states of Texas, Louisiana, Arkansas, Indian Territory and Oklahoma Territory, **when the orders amount to \$5 or more.** On orders of less than \$5, within the above named states, and all orders from other states, we do not prepay freight, unless so ordered, and money is remitted with the order for the purpose, but deliver the goods on board cars in Denison, well packed.

PRICES.—In connection with each class or variety of fruits in the Catalogue will be found two sets of prices: One for stock packed and freight prepaid to any railway depot within the above named states; the other for stock packed and delivered on board cars at Denison, or at our nursery. Customers have their choice of either set of prices. Please be careful to state your choice, and remit accordingly. Six go at dozen rates, 50 at 100 rates, 300 at 1,000 rate. When orders amount to \$20 or more, hundred rates will be allowed, regardless of number taken.

WHOLESALE ORDERS.—When larger quantities of goods of any class or variety are wanted than are priced in Catalogue, please send list of varieties and number of each desired, for special quotations. We invite comparison of prices and stock with any and all reliable first-class nurseries.

CARE OF TREES ON ARRIVAL.

Be careful, in unpacking, to note everything, and **immediately "heel-in" in moist soil till planted, or plant at once!** Never allow the roots to dry, or failure will most likely result.

PREPARATION OF THE TREE FOR PLANTING.

Before planting, remove all broken and extra long roots with a sharp knife, cutting from below outward, not from above downward. One-year-old peach or apple trees should be cut back to a naked stem $1\frac{1}{2}$ to 2 feet high; leave no side branches. Two-year-old trees should have their branches cut back to half their length or more, the lower less than those above, cutting in shorter as you go upward, and leaving the leader the longest. Plant as deep as the tree stood in the nursery row, except dwarf pears and cherries, which should be planted sufficiently deep to cover the stock from two to three inches.

PLANTING THE TREE.

The ground should be thoroughly plowed and sub-soiled at least fifteen inches deep. If to be set in land which cannot be plowed, dig holes not less than eighteen inches deep and three feet across. Then fill up with rich, mellow earth, but no fresh manure, to such a point that the tree set thereon will stand the same depth in soil, when hole is filled, as it stood in the nursery row. Lean the tree to the south considerably and fill in among the roots carefully with mellow soil, and when completely covered an inch or two press the soil firmly down with the foot, after which level up the hole with loose soil, which should not be tramped. If the soil is dry pour in a bucket or two full of water before filling the hole, and when settled away level up with loose soil. Keep the soil thoroughly pulverized about the tree and free from weeds during the growing season. Do not water through the summer time by pouring water on top of the ground, but dig trench around the tree and fill with water every evening until ground is thoroughly saturated below the roots, then no more watering will be needed for two weeks. Partial surface watering kills more trees than it saves. Water only in drouth when trees show need for it.

APPLES.

Plant Apple trees in the South 20 feet apart north and south by 30 feet apart east and west, requiring 73 trees per acre. Best corn or cotton sandy land is suitable.

Read Bailey's Field Notes on Apple Culture, price 75c.

Prices—Except where noted.

	3 to 4 feet			4 to 6 feet		
	Each	Per 12	Per 100	Each	Per 12	Per 100
Packed on cars at Denison . . .	\$0 10	\$1 00	\$6 00	\$ 15	\$1 50	\$ 8 00
Packed and prepaid to your depot .	12	1 25	8 00	18	2 00	12 00

This list has been well tested, and found uniformly and continuously successful in the Southwest. The varieties ripening in June and July are the most successful in South Texas. Late varieties do little or no good there. All the varieties named succeed well in Northern Texas and Indian Territory. The extra early apples should be more extensively planted in the South, as they are one of our most certain and profitable fruits.

IN ORDER OF RIPENING.

JUNE IN TEXAS.

Duchess of Oldenburg. Prolific, striped, medium; good, tart; market.

Early Harvest. Vigorous, abundant; yellow, large; good; tart; table, cooking.

RED ASTRACHAN. Vigorous, productive; red, large; tart, market.

RED JUNE. Slow, prolific; red, small; good, tart; market, table. One of the most valuable for heavy planting in the South.

FANNY. New, vigorous, productive; red, large; excellent; market, table.

JULY.

SUMMER QUEEN. Abundant; striped; large; good, table, market.

AMERICAN SUMMER. Productive, striped, medium; best, table, market.

AUGUST.

BLED SOE (Texan.) Very fine, prolific, striped, large; excellent, table market.

Yellow Horse. Very vigorous, abundant; yellow, large; good, culinary.

JONATHAN. Good grower, prolific; red, medium; fine, market.

Maiden Blush. Vigorous, prolific; cream-blush, large; fine, market, cooking.

Mrs. Bryan. New, of Georgian origin. A very large Apple of finest quality. Bright red all over. Excellent tree, prolific; fruit hangs on remarkably well without dropping or rotting.

CARTER BLUE. Very thrifty, abundant; striped, large; fine market, cooking.

Ortly. Vigorous, productive; pale yellow; large; excellent, table, market.

DOYLE. Of Texan origin. Large striped; excellent, prolific.

SEPTEMBER.

Buckingham (Equinately.) Good, abundant; striped, large; excellent, market.

Shannon. Strong, slow bearer; yellow, very large; best, table, cooking.

RED WINTER. Good, prolific; red, medium; fine, table, market.

TWENTY-OUNCE. Very large, striped.

OCTOBER AND LATER.

BRADFORD (Kentucky Streak.) Strong, abundant; striped, large; very good, market.

WINESAP. Prolific; red, medium; very good, market.

BEN DAVIS. Hardy, vigorous, profuse; striped, large; good, market.

***Rutledge.** This variety originated in Travis county, Texas. Tree vigorous and productive; fruit large, handsome, richly striped, resembling the Bradford somewhat, and of still finer quality than that splendid variety; it ripens shortly after the Ben Davis. In this we believe, we have one of the most valuable of all Southern Apples.

GANO. Vigorous, prolific; bright red; large; good market; this variety is similar in every way to the Ben Davis, but of a rich red all over; very valuable.

TEXAS RED. One of the most highly esteemed Apples in East Texas. Large, striped; fine; excellent keeper.

Maverack Sweet. Vigorous, abundant; red cheek, large; very good, market or home.

NICKAJACK. Vigorous, abundant; large, striped; very good; market or home.

ARKANSAS BLACK. Vigorous, abundant; dark red, medium; excellent market; seedling of Winesap.

APPLES--Continued.

KINNAIRD. Strong, spreading tree, prolific; red, large; a superb Southern winter Apple; the best of all Winesap seedlings.
SHOCKLEY. Vigorous, abundant; red cheek, medium; best keeper.
LIMBERTWIG. Vigorous, prolific; red, medium; very good keeper.
SHIRLEY (Texan.) Vigorous, prolific; striped, medium; excellent

keeper.
LOY. Vigorous, prolific; red cheek, large; best keeper.
ARKANSAW (Mammoth Black Twig.) A splendid, large, dark red Arkansas Apple. A fine Winesap seedling.
Yates. Very vigorous, prolific; striped, small; cider or dessert; keeps very late; best quality.

CRAB APPLES.

Price, 1-5 more than Apples in all cases.

Whitney. Vigorous, prolific; striped, large; cider, jelly; preserves.
Hyslop. Vigorous, prolific; crimson; large, ornamental; preserves.

PEARS.

Plant 18 feet apart each way, requiring 135 trees per acre. Pears root very deeply, and succeed on almost any soil if kept free from blight. Except Le Conte and Bartlett, the varieties named below are freest from blight.

Read Quinn's Pear Culture for Profit—Price \$1.00.

PRICES—Except where noted.

	Each	Per 12	Per 100
Packed and on cars at Denison	\$0 25	\$2 50	\$17 00
Packed and prepaid to your depot	30	3 00	20 00

IN ORDER OF RIPENING.

Andre Desportes. A handsome, good sized, very early Pear.
***Lexington.** Tree very healthy, but of a dwarfish habit, grown on Pear root, and inclined to bear at two to four years of age. Fruit is about same size, shape and color of Bartlett, but earlier by two weeks, and of about equal quality. So far no blight has attacked it. Very promising. \$1 each.
Alamo. Originated by A. L. Bruce, of Grayson county, Texas. Tree so far entirely exempt from blight. Vigorous, bears young. Large, yellow; bronze cheek. Ripens early. \$1 each.
Clapp's Favorite. On Pear; prolific; red cheek, large; excellent; table;
HOWELL. On Pear or quince; prolific; yellow, large; best, table, market.
Bartlett. On Pear or quince; prolific; yellow, large, fine, table, market.

Le Conte. On own roots; prolific; yellow, very large; good, table or market.
SECKEL. On Pear; prolific; brown, small; best, table.
Bufum. On Pear; prolific; brown, small; fine, table.
Birkett. On Pear; very vigorous, never known to blight; a good fruit of good size, comes into bearing slowly, valuable with age.
ANGOULEME (Duchesse.) On Pear or quince; pale yellow; very large; good, market.
ANJOU. On Pear; moderate grower, moderate bearer; brown blush, medium; fine, table.
KIEFFER. On own roots; very vigorous, prolific; yellow, very large; an excellent Pear for canning; rarely blights or fails to bear.

QUINCES.

Plant 10 to 12 feet apart each way. Quinces need very rich, deep, well-drained soil; they are better for careful culture.

PRICES.

	Each	Per 12	Per 100
Packed and on cars at Denison	\$0 20	\$2 00	\$12 00
Packed and prepaid to your depot	25	2 50	13 50

Meech. Very fine and prolific; none better in growth or quality of fruit.

APRICOTS.

Plant 18 feet apart each way, requiring 135 trees per acre. Succeed best in limestone soils; bloom very early in spring. Should be treated like peaches. Very successful in most parts of the west, on high ground.

PRICES.

	Each	Per 12	Per 100
Packed and on cars at Denison	\$0 20	\$2 00	\$12 00
Packed and prepaid to your depot	25	2 50	15 00

Myer. Earliest; medium size, good; prolific.

EUREKA. Very early; large, fine, prolific.

Early Golden. Very early; medium, deep yellow; prolific.

ROYAL. Early; large, excellent; one of the very best.

Moorpark. Medium, large, excellent; an old favorite.

CLUSTER. This valuable variety was introduced by A. M. Ramsey & Son. It is claimed to have never missed bearing any season since its introduction.

Russian Apricots.

ALEXANDER, BUDD and GIBB.
The three best varieties of this strain.

ALMONDS.

Plant 18 feet apart each way, requiring 135 trees per acre. Almonds succeed in irrigated regions of Western Texas, New Mexico, Arizona and California.

PRICES.

	Each	Per 12	Per 100
Packed and on cars at Denison	\$0 20	\$2 00	\$18 00
Packed and prepaid to your depot	25	2 50	20 00

Languedoc. A leading variety; grown for commerce.

Teregona. A large variety; also much grown for commerce.

Nonpariel. Produced by Mr. Hatch, of California.

Ne Plus Ultra. Produced by Mr. Hatch, of California.

Sultana. A standard and popular market variety.

Princess. Very fine, thin-shelled; rich, good flavor.

CHERRIES.

Plant 18 feet apart each way, requiring 135 trees per acre. Require very best drouth-resisting soil.

PRICES.

	Each	Per 12	Per 100
Packed and on cars at Denison	\$0 25	\$2 25	\$18 00
Packed and prepaid to your depot	30	2 75	20 00

Early Richmond. An old, popular, reliable variety; very productive.

English Morello. Similar to Early Richmond; later.

FIGS.

Plant 10 feet apart, north and south, by 12 feet apart east and west, requiring 383 trees per acre. Require very rich, deep soil.

PRICES.

	Each	Per 12	Per 100
Packed and on cars at Denison	\$0 25	\$2 50	\$18 00
Packed and prepaid to your depot	30	3 00	20 00

Adriatic. Very large, white; fine quality. The finest of commercial varieties, yet scarce in the United States.

Black California. Very large, dark purple; bears the first year; a new and promising variety.

Celestial. Medium size. Pale purple. Very sweet and of finest quality. Prolific and sure. One of the best for eating fresh.

Smyrna. Large, pale purple; very prolific and fine.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the States named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.

PEACHES.


Plant 18 feet apart each way, requiring 135 trees per acre. Thrive best on high, well drained, sandy loam, with clay subsoil.
 Read Black's Cultivation of the Peach. Price, \$1.50.

IN ORDER OF RIPENING.

Each "ripening" extends over a period of 10 to 15 days, and embraces white and yellow-fleshed, free and cling varieties, where possible. Nearly all the varieties have been critically tested by us along with numerous other kinds, in three successive test orchards, planted and fruited within the past 20 years in different soils and situations. Not a variety is included which has not been tested by experienced and critical orchardists and pronounced valuable for the particular purposes and sections for which it is recommended. Desirable qualities in tree, as well as fruit, have been considered. Those varieties followed by the letter *a* are recommended for amateur of family planting. In size and quality of fruit they are usually the very finest, but not prolific or firm enough, or of the right season for profitable planting, except in very favorable localities.

Those followed by *c* are recommended for canning; those followed by *e* are recommended for evaporating; those followed by *m* are recommended for marketing fresh; those followed by *c e m* will make an excellent "all purpose" variety.

While some of the following list do not succeed in the Gulf regions, the following have been found to do well there: Mamie Ross, Family, Favorite, Old-mixon Free, Elberta, Bequett Free and Cling. The entire list succeeds well in all other parts of the Southwest.

 We challenge the world to excel this list of Peaches.

PRICES---Except where noted.

	3 to 4 feet			4 to 6 feet		
	Each	Per 12	Per 100	Each	Per 12	Per 100
Packed and on cars at Denison	\$0 10	\$1 00	\$6 00	\$0 15	\$1 50	\$ 8 00
Packed and prepaid to your depot	12	1 25	8 00	18	1 85	11 00

Varieties with special prices include prepayment in orders of \$5 or more, or f. o. b. cars in orders of less than \$5.

I.

Ripening at Denison May 20 to June 10.

SNEED. *m.* Earlier, larger and better than Alexander; less inclined to rot.

ALEXANDER. *m.* Well-known old standard; extra early.

TRIUMPH. *m a.* Large, yellow, free-stone, mostly covered with red; most attractive extra early Peach yet produced. Will certainly become very popular as a market fruit. We have fruited it and can guarantee the description true.

Greensboro. *m.* Of the same class and description as the Mamie Ross, ripening earlier. Originated in North Carolina. New.

II.

TEXAS. (Texas King.) Of the same class and character with the Mamie Ross; better quality. Origin east Texas.

***MISS LOLO.** *a m.* A perfect free-stone; fine quality; blush, white flesh; prolific.

MAMIE ROSS. *a m.* A very large blush; white flesh; semi-cling; prolific; very valuable.

HYNES' SURPRISE. *m.* True free-stone when ripe; resists rot better than Hale's Early, which it resembles.

***BISHOP.** *m.* Very large, crimson, white flesh; free; a very valuable market sort, sure and prolific.

Alice (Haupt.) *m.* Chinese Cling seedling; prolific, large fine.

CARMAN. *c m.* Origin in Limestone county, Texas. Large, of fine appearance and quality; firm, free from rot; highly praised.

III.

Ripening at Denison June 10 to July 10.

Ray. *c e m.* A noted east Texas variety; even larger, and finer than Mamie Ross. Similar otherwise.

Yellow St. John. *a c m.* Where it succeeds well it is exceedingly profitable. Does well in California and Eastern and Western Texas. Tender in bud here like Crawford.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the States named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.

PEACHES—Continued.

General Taylor. *a m.* Large; flesh blood red, crimson all over; cling of Indian Blood type; productive.

Eldred. *a m.* A crimson cling of immense size. Origin Southern Texas.

MOUNTAIN ROSE. *c e m.* Large, round; white flesh, red cheek; free.

IV.

***FAMILY FAVORITE.** *m c e.* Large; white flesh, red cheek; free, sure, prolific; seedling of Chinese Cling. This is making a most favorable record everywhere.

MRS. BRETT. *m c e.* Similar to Oldmixon Free, but about a week earlier; sure, prolific.

Foster. *a e c m.* Earlier and finer quality than Early Crawford; very handsome.

V.

Ripening at Denison July 5 to 20.

GEN. LFE CLING. *a m.* Seedling Chinese Cling, but earlier and more prolific; better.

Crawford Early. *a m.* Tender in bud; an old, valuable standard variety. Fine in West Texas.

OLDMIXON FREE. *m c e.* Large; white flesh, red cheek; fine prolific, sure. An old "stand-by."

ELBERTA. *m c e.* Very large; yellow, red cheek; free, firm, sure, prolific, best of all. For vigor, certainty and abundant bearing, this variety has no superior; for fine appearance, good shipping qualities and ready selling, for canning and evaporating, it stands without a peer. It cannot be too extensively planted.

Chilow. *m c e.* Very much like Elberta in color, size, shape and quality, except this is a cling. Good shipper. Very much praised in Travis county, Texas. Chinese Cling seedling.

TORNADO. *m c e.* A Peach that originated with W. S. White, of Grayson county, Texas. Equals Elberta in every respect except quality and productiveness, in which it excels Elberta. Of the same season, color and blood. 50 cts. each, \$4 per 12.

***SUPERB.** *m c e.* Seedling of Early Rivers, crossed with Mountain Rose. Pure freestone; white flesh, red cheek; a very prolific and profitable Peach; finest quality.

Crosby. *m c e.* Large, yellow freestone; sure bearer and prolific.

Chinese Cling. *a.* Largest size; oblong; greenish cream, faint blush.

***Utah Free.** *c e m.* Large, prolific; rich yellow; valuable.

***Utah Cling.** *m.* Large, prolific yellow, red cheek.

***SHIPLER.** *c m.* Yellow, cling; produced by A. L. Shipler, of Denison, Texas. Valuable; resembles the Elberta, except being a cling.

VI.

Ripening at Denison July 20 to August 10.

SYLPHIDE. *m c.* Cling; large white flesh, red cheek; prolific, sure; seedling of Chinese Cling, than which it is more prolific.

BEQUETT FREE. *m c e.* Largest size; white flesh, red cheek; productive, firm, superb; possesses Chinese blood; a sure bearer.

Orange Cling. *c m.* Large, clear yellow; sweet, rich, juicy; prolific.

DRUID HILL. *m e c.* Large; white flesh, red cheek; free; prolific; old reliable kind.

STUMP. *m e c.* Large; white flesh, red cheek; free; reliable.

BEQUETT CLING. *c m.* Very large; white flesh, and red cheek; productive, fine; as large as Chinese Cling, and possesses some Chinese blood.

OLDMIXON CLING. *m c.* An old standard variety; large, white flesh, blush.

VII.

Ripening at Denison, August 10 to 25.

***Columbia.** *c e m.* Large; dull orange-yellow; mottled with red; free; sure.

CROTHERS. *m e c.* Large, white flesh, red cheek; best productive, superior to Ward's Late.

Walker. *m e c.* Largest, white flesh, blush cheek; an old standard kind.

***RAISIN.** *a m.* Of the Indian Cling type, crossed with Heath. Large, juicy, prolific; splendid. The finest in quality of any cling known to us.

VIII.

RINGGOLD. *c m.* A greatly improved seedling of Heath Cling; superb white, sweet.

***Crimson Beauty.** *m c.* Very large; white flesh, crimson surface; cling; prolific.

PEACHES==Continued.

IX

Ripening at Denison September 10 to 25.

Wonderful. *c e m.* A remarkably fine yellow free stone of the Smock type.

HENRIETTA or **Levy.** *m c.* Very large, cling; yellow, crimson cheek; sure.

***BONANZA.** *c e m.* Very large; white flesh; red cheek; free; prolific, vigorous.

LONOKE. *a m.* Large, yellow; cling; prolific; flowers large; late, sure.

***Topaz.** *c e m.* Large, yellow; free; red cheek; prolific; flowers large, late.

***Cobbler.** *c e m.* Large, yellow; free; prolific, vigorous tree; valuable.

X

Ripening at Denison into October

***Barnes.** *a m.* A fine, very late, yellow cling of Indian type. Originated in Bell county, Texas, by Barnes Parker.

***BELL'S OCTOBER.** *c e m.* Large, rich yellow, red cheek; freestone; of finest quality. Originated by Hon. C. C. Bell, of Denton county, Texas.

***Success.** *e c m.* Prolific, sure; latest yellow, freestone; large, excellent. Originated in our grounds and offered with confidence in its merits.

EVERBEARING PEACH. This remarkable novelty, very recently introduced by P. J. Berckmans, has not yet fruited with us, but we offer it owing to the confidence that we have in Mr. Berckmans. Size large at first ripening, but decreases gradually as season advances. Creamy white, striped, oblong. Flesh white with red veins; juicy. Not recommended for commercial orchards. Price, 50 cents each; \$4.00 per dozen.

Elberta Seedling Peaches. As some persons are of the opinion that seedling Peaches succeed better than budded or grafted varieties (which we very much doubt) we have grown a few trees from Elberta seed from the most select fruit so as to offer the very best class of seedlings. The trees producing these grew in orchard among other fine varieties, hence the seedlings will not be like the parent in most cases, but crosses between it and other kinds. Price same as standard varieties.

PLUMS.

Plant 18 feet apart each way, requiring 135 trees per acre. Succeed on thinner land than the peach, with more clay, and thrive where the peach will.

Read American Fruit Culturist. Price \$2.50

PRICES—Except where noted.

	Each	Per 12	Per 100
Packed and on cars at Denison	\$0 20	\$1 75	\$10 00
Packed and prepaid to your depot	25	2 40	13 00

Varieties of special prices include prepayment.

This list is superb. Varieties of each class generally stand in order of ripening, and all succeed well nearly everywhere.

Chickasaw Varieties.

Bloom very early.

McCartney. Of Texas origin. Ripens with the earliest Plums. Large, oblong, pure yellow. Tree strong and productive. 50 cts. each, \$4 per 12.

Chickasaw Varieties of the Wild Goose Type (*P. Hortulana.*—BAILEY.)

Bloom early to medium.

MILTON. Wild Goose crossed on Americana. Better than Wild Goose, equally as large; handsome and productive; red; excellent. The earliest

plum on the list although it blooms late. Persistent to the tree after ripening. Free from curculio and rot. Have fruited it two seasons. Price, 50 cts. each; \$4.00 per 12.

***CLIFFORD.** This splendid Plum was produced by Mrs. Clifford, of this city, from seed of Wild Goose. It is larger than Wild Goose, pear shaped, red, meaty, with fine, pineapple flavor. After fruiting this variety for three years we unhesitatingly pronounce it the best, handsomest and most profitable plum of this class. Ripe a week earlier than Wild Goose. 50 cts. each

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the States named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.

PLUMS—Continued

WILD GOOSE. Vigorous; red, large, very good; abundant when pollinated by other varieties flowering at the same time.

WOOTEN. Good grower; red, medium; very good; prolific, sure. Trees of this planted near or among Wild Goose, pollinate its flowers, causing it to bear well.

Whitaker. Improvement in tree and fruit on Wild Goose, of which it is a seedling, by J. T. Whitaker, of Smith county, Texas.

Gonzales. A Japan variety crossed with Wild Goose. Fruit very large, and of a brilliant red. Finest of flavor. Good shipper and keeper. Tree very strong and immensely productive. Very highly praised by those who have seen and grown it. \$1 each, \$8 per 12.

BESTOFALL. A seedling of Miner hybridized with Abundance. Tree very vigorous. Flowers very late. Very sure and prolific bearer. Fruit medium to large, round, rich red; firm, meaty, of best quality. Originated by us. Has fruited three successive seasons. Always very full and free from an attack of rot and curculio. Only a few trees at \$1 each.

Prunus Rivularis Varieties.

Bloom very late.

***Nimon.** Hybrid, produced by us, of Wayland pollinated by Wild Goose. Tree very vigorous and healthy, productive; fruit large as Wild Goose; crimson, with white dots; very handsome, ovate, firm, meaty, and of excellent quality. A Plum of much promise. 50 cents each.

Wayland. Vigorous; crimson, medium, good, firm; very prolific; sure.

GOLDEN BEAUTY. Vigorous; yellow, medium, good; free, very prolific; unfruiting.

Americana Varieties.

All this class flower very late, and are sure fruiterers.

WEAVER. Vigorous; red, good, prolific; sure, well tested, profitable.

Wilder. One of the newer varieties of great promise. Quality fine.

***NEWTON.** Vigorous, healthy; very prolific, unfruiting cropper; very large, red; freestone of best quality; new.

Japanese Varieties.

(*Prunus Triflora.*)

Red June. Medium size, slightly conical; solid, dark red color, with yellow flesh; blooms late, ripens early; sure bearer.

ABUNDANCE (Botan.) Vigorous, upright; large, purple, good; very prolific, sure; best of all Japan varieties.

BURBANK. Very vigorous, spreading, very prolific; very large, purple, profitable.

DOUGLAS or (Chabot, Hytankayo.) Strong upright tree; fruit very large, crimson, with white bloom; excellent, prolific, valuable.

European Varieties.

(*P. domestica.*)


Clyman. Large, purple, prolific, very fine.

Giant. Produced by Luther Burbank; largest of all prunes; very vigorous, purple; fine quality. 50 cents each.

Pacific. This is a new Prune of the Pacific coast; of first-class merit as a commercial prune. 50 cents each.

Silver Prune. Very large, pale yellow; fine quality.

Tragedy. Large, dark purple; very rich and sweet; freestone; very valuable as a shipping Plum. 50 cents each.

 The above Prunes are recommended for regions where European Plums are known to do well, as in Western Texas and New Mexico, where rot and curculio do not prevail.

MULBERRIES.

Plant 20 feet apart, requiring 109 trees per acre. Flourishes in any soil or situation.

PRICES.

	3 to 4 feet			4 to 6 feet			6 to 8 feet		
	Each	Per 12	Per 100	Each	Per 12	Per 100	Each	Per 12	Per 100
Packed and on cars at Denison . . .	\$0 10	\$1 00	\$7 00	\$0 15	\$1 50	\$10 00	\$0 20	\$2 00	\$15 00
Packed and Prepaid	12	1 25	9 00	18	2 00	13 00	25	2 50	20 00

HICKS' EVERBEARING. Profuse bearer of fruit for three months; fine grower for shade; the best of all trees for the fowl yard, as the fowls greedily eat the berries.

Downing. A larger, better berry than Hicks', not so prolific, and not so hardy as that variety.

Victoria. One of the best Russian Mullberries yet produced; very fine.

Munson. One of the largest, most prolific and best Mulberries of the Russian class. Originated by us, selected from among thousands of varieties grown from seed. The branches in fruit look like ropes of big berries.

BLACKBERRIES.

Plant 2 feet apart in rows, rows 7 feet apart, requiring 3,112 plants per acre. Succeed anywhere. Read Fuller's Small Fruit Culturist. Price \$1.50.

PRICES.

The prices following each variety include prepayment. If prepayment is not desired, then deduct 15 cents from the dozen rate, 50 cents from the hundred rate, and \$2 from the thousand rate.

IN SUCCESSION.

EARLY HARVEST. Vigorous, upright; few weak thorns; very prolific; medium size, firm; profitable market. 50 cts. per 12, \$2 per 100, \$10 per 100.

DALLAS. Very vigorous, drooping, thorny, productive; large, fine. This is proving to be a very valuable market variety. 50c. per 12, \$2 per 100, \$10 per 1,000.

ROBISON. A very vigorous, upright, prolific, uniformly, very large; of best quality. Sells at the highest market price. Originated by Willard Robison of Cisco, Texas. It has fruited here for a number of years in the grounds of Mr. Jas. Nimon, and has proven itself

one of the most valuable varieties in cultivation. It endures the climatic hardships most excellently. Price \$1.00 per 15 plants; \$6.00 per 100.

EUREKA. A native of Alabama. Introduced by Mr. H. A. Biles, of Denton county, Texas. This belongs to the species *Rubus cuneifolius*, a very distinct species. Plant vigorous, upright, exceedingly prolific, of very long handsome berries, exceedingly sweet, with a distinct flavor, very firm, most thoroughly adapted to the southern climate. Endured 15 degrees below zero, February 12, 1899, and bore heavy crop that season. Price 10c, each, \$1.00 per 12, \$5.00 per 100.

DEWBERRIES.

MAYES (Syn., Mayes' Hybrid, Austin's Improved.) This originated at Pilot Point, Texas; we have the genuine. It is exceedingly large, fine and early; prolific. 10c. each, 50 cts. per 12, \$3 per 100, \$18 per 1,000, prepaid; or 40 cts. per 12, \$2.50 per 100, \$15 per 1,000 not prepaid.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the States named under "We Prepay Freight" on page 2 of body of Catalogue, which read carefully.

RASPBERRIES.

Plant 3 feet apart in rows, rows 5 feet apart, requiring 2,994 plants per acre. Need best drought-resisting soil, on eastern or northern slope.

PRICES.

	Each	Per 12	Per 100
Packed and on cars at Denison	\$0 10	\$0 75	\$4 00
Packed and prepaid to you depot	12	1 00	5 00

Palmer. This comparatively new variety is considered the largest and best of the early black-caps.

Kansas. A very large, excellent-fruited black-cap; one of the best for a dry, hot climate.

These are the best black-cap varieties among the many that we have tested.

STRAWBERRIES.

Read Fuller's Strawberry Culturist. Price 25c.

Plant 16 inches apart in rows, rows 3½ feet apart, requiring 9,000 plants per acre. Deep loamy, sandy soil, with clay sub-soil is preferable.

PRICES.

(Except Parker Earle, and Michel's Early, which note.)

	Doz	Per 100	Per 1,000	Per 5,000
Packed and on cars at Denison	\$0 25	\$0 75	\$3 50	\$15 00
Packed and prepaid to your depot	35	1 00	5 00	20 00

Our plants are not like those handled by many growers—weak, old and mixed, but young, vigorous and pure. The very best varieties by actual test for the Southeast. Handled in the very best manner. We test nearly all varieties of our promise as they come out. The following are the cream for this climate.

MICHEL'S EARLY. Earliest of all; large vigorous, perfect flower; a fine pollinator for other kinds. \$3 per 1,000 f. o. b.; \$4, prepaid.

Ideal. Large, dark crimson, firm; out-yields Michel's Early; not so vigorous. Crop comes off in 3 or 4 pickings; perfect flower.

CRESCENT. Early, prolific; bright; excellent market; pistillate; needs Michel's Early to fertilize it.

Tennessee. Perfect flower; vigorous, prolific dark bright red; firm; large to very large.

Splendid. Perfect flower; vigorous and very prolific; large, round, bright red; handsome berry.

Paris King. Perfect flower, very vigorous; tall plant and fruit stems; very large, conical; colors evenly and well; firm; very prolific.

Captain Jack Large, crimson, firm; good and very productive.

BUBACH NO. 5. Large, handsome; productive, valuable; very successful here; pistillate,

***PARKER EARLE.** Still leads every other variety in productiveness. Plant robust, free from disease, stooling heavily and renewing itself sufficiently by strong runners. It is a model in make-up, endures the extremes in heat and cold remarkably well. Berry regular, uniformly large, conical, with a neck; glossy, scarlet-crimson, ripens all over; flesh firm, crimson; no hollow core; seeds golden, becoming crimson, prominent, protecting in handling; quality excellent. Flowers perfect, always setting perfect fruit, which is borne in the greatest profusion, the rate of 16,000 quarts per acre having been gathered. The fruit carries well, and brings the very highest price in market. Price f. o. b. at Denison, 50 cts. per 12, \$1 per 100, \$5 per 1,000. Price, prepaid, 60 cts. per 12, \$1.35 per 100, \$7 per 1,000.

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1899-1900



Partial view of a block of 100,000 yearling Grape Vines. View taken when three months old from the cuttings.

GRAPES.

We lead all competitors in this field.

Plant 8 feet apart in rows, rows 9 feet apart; requiring 605 vines per acre.

Read:—American Grape Training, 75c. Bushberg Grape Manual, \$1.00
Fungus Diseases of the Grape, 75c. American Grape Growing and Wine Making,
\$1.50.

STANDARD LIST.

In succession. Have a large stock of finest quality. This list contains the best and most successful; have tested all these, with hundreds of others. Flowers perfect, and will bear alone unless otherwise noted; when pistillate, they need a perfect-flowered kind planted near. With irrigation in West Texas and westward all varieties in the list succeed. East of the 100th meridian, the Bordeaux mixture spray will enable many varieties to succeed that without it fail on account of rot and mildew. In most regions all varieties do better if treated with Bordeaux spray.

By repeated comparison it is certainly established that yearling grape vines, as we grow them, outclass No. 1 northern grown 2-year olds, and our 2-year olds are so strong that if planted early, say from November to February, they are capable of bearing without injury several clusters the first year. Hence our prices are much cheaper than they appear to be by comparison with others' prices. A weak grape vine is not worth planting at any price.

1899-1900

CATALOGUE OF FRUITS, TREES, VINES, ROSES, ETC.

PRICES: Remember that the prepaid prices are for orders of \$5 or over, and within the States named on page 2 of body of Catalogue.

	PRICES—Packed f. o. b. Denison.			P'k'd. prep'd to your depot.		
	Each	Doz	100	Each	Doz	100
Moore's Early. Very large, black; good market. Texas northward	\$0 08	\$0 75	\$6 00	\$0 09	\$0 85	\$6 75
GREEN MOUNTAIN. New; above medium, white; prolific, good. Texas northward	20	2 00	15 00	21	2 15	15 75
Wyoming Red. In cluster similar to the Delaware, but larger, and twice as large in berry; bright, beautiful red; good, profitable for market	10	1 00		11	1 10	
NECTAR. Said to be Concord-Delaware hybrid. Vine fairly vigorous, prolific. Cluster and berry of similar appearance with Concord, not quite so large. Ripens evenly. Quality the best of any of the Concord family yet tested by us	25	5 00		30	5 20	
McPike. Vine very vigorous and prolific. Very much resembles the Concord, its grand parents; cluster and berry larger than Concord, firmer, more persistent to cluster, ripens evenly and of much better quality than Concord, fully as good as Campbell's Early and nearly equal with Nectar	1 00	9 00		1 00	9 00	
Campbell's Early. Is superior in every respect to Concord, and ripens two or three weeks earlier. Best production of G. W. Campbell, of Ohio. Ripens evenly, persistent to cluster	1 00	10 00		1 00	10 00	
MOORE'S DIAMOND. One of the finest white American Grapes; new. Texas north	10	1 00	8 00	11	1 10	8 75
IVES. Medium, black; fair market, wine; free from disease. Texas north	05	50	4 00	06	60	4 75
Perkins. Large, pink; fair market, prolific, healthy. Texas northward	05	50	4 00	06	60	4 75
Brighton. Large, red; fine table, market, wine; pistillate. Northward	05	50	4 00	06	60	4 75
DELAWARE. Small, very fine; table and market; little or no rot; successful	08	75	6 60	09	85	6 75
Norfolk. New; large, red; fine table and market, wine. Texas northward	10	1 00	8 00	11	1 10	8 75
Lindley. Large, red; very good table and market; pistillate flower. northward	05	50	4 00	06	60	4 75
Salem (Roger's No. 53). Bunch and berry large, dark chestnut-red, sweet, rich and tender; good shipper; vine vigorous	07	60	4 50	08	75	5 00
Agawam (Roger's No. 15.) Similar to Salem, with still larger berries, darker red; peculiar, agreeable flavor; vigorous, prolific	07	60	4 50	08	75	5 00
Worden. Very large, black; good market. "Improved Concord"	05	50	4 00	06	60	4 75
NIAGARA. Large, white; very good table, market; successful	08	75	6 00	09	85	6 75
Martha. Large, white; table, wine. For same region with Concord	05	50	4 00	06	60	4 50
CONCORD. Large, black; table, market; well-known. Texas northward	05	40	3 00	06	50	3 75
Eaton. A seedling of Concord with large clusters of enormously large, black berries; new, vigorous; succeeds with Concord	15	1 50	10 00	16	1 60	10 75
CATAWBA. Cluster and berry large, dark red; juicy, sprightly, fine; fine for market, table and wine	05	50	4 00	06	60	4 50
JEFFERSON. Large, red berry; large cluster; best table, market. Texas north	10	1 00	8 00	11	1 10	8 75
Triumph (Campbell's.) Very large, white; best table. Texas to Missouri	10	1 00	8 00	11	1 10	8 75
Goethe. Very large, pink; fine table. North Texas to Missouri	05	50	4 00	06	60	4 50
Norton (Cynthiana.) Small, black; fine red wine. All southern states	10	1 00	7 00	11	1 10	7 75
Jacquez (Black Spanish, Le Noir, "Blue French.") Small, large cluster, black; red wine. Succeeds well in all Southwest Texas	10	1 00	7 00	11	1 10	7 75
BERTRAND. Vine similar to Herbemont. Origin in Georgia. Cluster very large; berry small to medium, dark purple, red juice, fine, sprightly	30	3 00	20 00	31	3 15	21 00
HERBEMONT (McKee, Bottsi, "Brown French.") Small, large cluster, purple; finest quality, table wine; best old Grape in Southwest Texas	10	1 00	7 00	11	1 10	8 00

SOUTHERN MUSCADINES.

Succeed in deep rich soil throughout the South; require much trellis room. Plant 16 feet apart in vineyard rows; prune early after leaves fall.

THOMAS. Very large, black; good wine; 1 year old.

SCUPPERNONG. Large, brownish yellow; good wine; 1 year old.

The above varieties, 15c each, \$1.50 per 12, f. o. b. at Denison; 10c each, \$1.00 per 12 prepaid.

Male Muscadines. If planted near the for-

mer, this variety renders the two varieties named very fruitful anywhere in the South. Without such pollinators planted near by they are unfruitful. 25c each, \$2.50 per 12, prepaid; \$2.25 per 12, f. o. b.

See "A New Departure in Grape Hybrids," page 24.

VINIFERA VARIETIES.

Plant 8 feet apart in rows, with rows 9 feet apart, requiring 605 vines per acre. Read Fungus Diseases of the Grape. Price 75c.

PRICES.

	Each	Per 12	Per 100
Packed on cars at Denison	\$0 10	\$1 00	\$7 00
Packed and prepaid to your depot	12	1 15	8 00

These succeed in far South and West Texas, especially with irrigation, equally as well as in California, but fail entirely in Central and East Texas, owing to phylloxera, rot, mildew, etc.; but by grafting on resistant roots and spraying with Bordeaux mixture, succeed in all but extreme North Texas, and with winter protection can be fruited there.

We have in our vineyard, on sandy soil, the following list, growing and fruiting successfully selected from among a large number of the finest French, Spanish, Hungarian, Italian, Sicilian and Persian varieties. Some are of recent importation. We have no grafted vines for sale, but can supply cuttings of the best resistant stocks for the South and California by mail at \$2 per 100. We also offer rooted graft-stocks, which see, page 29.

The remarks with reference to mildew and rot are of vines in open ground, not sprayed, at Denison, Texas.

CALABRIAN. (Italian.) Of muscat type; vigorous, healthy, some black-rot; cluster very large, compound; berry large, roundish, yellowish, meaty, juicy, fine; table, market, raisin.

FEHER SZAGOS. (Hungarian.) Very vigorous, healthy; fruit subject to rot; Persian type; cluster very large; berry cylindrical, ellipsoidal, curved like Cornichon; white meaty, very fine; table, market, rasin.

GOLDEN CHAMPION. (Californian.) Vigorous, some mildew and rot; cluster large; berry large, ovate, yellow, late, fine, juicy; table, market.

GRIESA (DE PIEMONTE.) (Italian.) Vigorous, healthy, very little mildew or rot; cluster very large, compound; berry large, purplish black, meaty, juicy, very fine; table, market, white wine. 50 cts. each, \$5 per 12, prepaid.

MALAGA. (Spanish.) Vigorous, healthy; cluster very large; berry large, meaty, ovate, white; table, market, raisin

MILLENIUM. (Hungarian.) Received through American Consul to

Hungary. Large cluster; large, oval, white berry, of pure sprightly quality. Vine very vigorous and comparatively free from disease.

OLIVET (DE CADINET.) (Italian.) Vigorous, some black rot; cluster large; berry large ovate, purplish black, meaty, juicy; table, market, wine.

QUAGLIANO. (Sicilian.) Vigorous; prolific, little mildew and no black rot; cluster large; berry large, round, grayish purple, meaty, juicy, fine, late; table, market.

SAUVIGNON JAUNE. (French.) Vigorous, healthy, little mildew and rot; cluster large, compact; berry medium, yellow, meaty, tender, early; table, white wine.

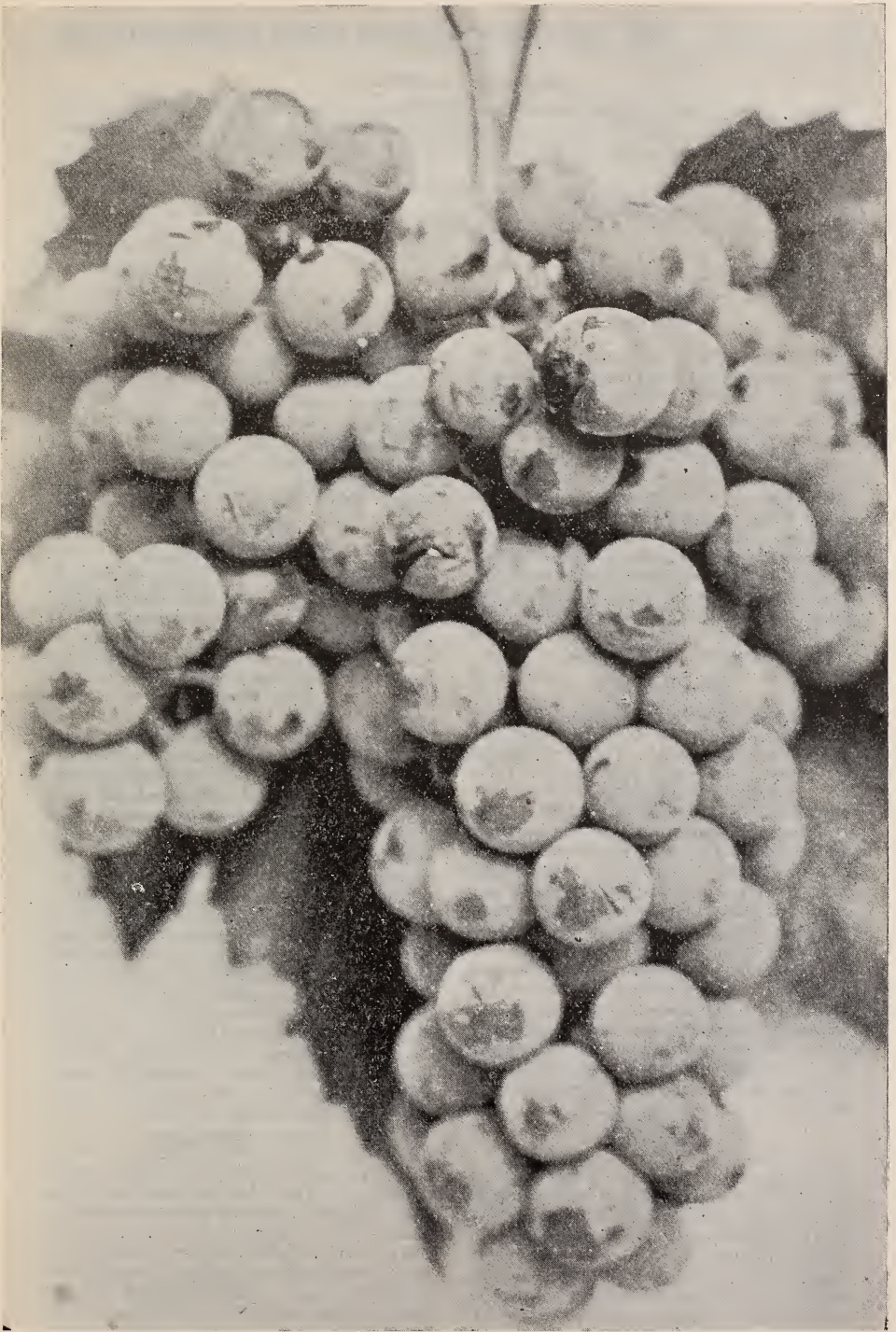
Verdelho. (French.) Vigorous, healthy; fruit rots; cluster large; berry large, ovate, yellowish, meaty, juicy; table, market.

VIOLET CHASSELAS. (French.) Vigorous; mildews and rots; cluster large; berry large, ovate, violet, beautiful, superb quality; table, market, wine.

NEW CREATIONS IN AMERICAN GRAPES.

The following list of eighteen varieties has been before the public for a number of years with constantly increasing satisfaction with those who have given them a fair trial. Especially have Presly, Brilliant, Rommel, Beacon, Delago, America, Carman, Gold Coin, Meunch, Fern and Laussel proven of great value as varieties for general vineyard planting; each good in the region specified in its description. With these varieties we have held the market against all comers while the old standard varieties lasted and at better prices than they brought and for six weeks after they were gone we had the field entirely to ourselves with such varieties as Carman, Gold Coin, Meunch, Fern and Laussel.

All the varieties possessing Post-Oak blood, in order to get best results in



AMERICA.

(See page 17 for description)

1899-1900

GRAPES—Continued.

cropping, should be treated the same as Herbemont, that is plant wide apart, not less than 12 feet in a row and have long arm pruning. They do especially well upon the Munson Canopy Trellis, mentioned in Bailey's work entitled "American Grape Training."

Prices on all the following of our Grape introductions, except *New Introductions*, which see, on page 18.

PRICES.

	Each	Per 12	Per 100
Packed on cars at Denison	\$0 25	\$2 50	\$15 00
Packed and prepaid to your depot	30	2 75	16 00

PRESLY.

This is a seedling of Elvira crossed by the Champion. The vine is strong and healthy, covered with a healthy dark green foliage. It is the first of our grapes to ripen, and on this account it is a profitable variety. The size of the cluster and berry is that of a Delaware, and resembles the Delaware; even more attractive in the basket. The quality is good, far above that of Champion. The berry is juicy and the pulp tender. For an extra-early market Grape that would give satisfaction, we could recommend none better than this. The vine is prolific, always setting a full crop. Free from all diseases.

BRILLIANT.

This is a seedling of Lindly crossed by Delaware, produced in 1883. The vine is vigorous and hardy. It ripens just before the Delaware, is very prolific; berries and clusters as large as Concord; compact, translucent red, similar to the Delaware; quality about the same as Delaware, with less pulp; seeds one to three; skin thin and tough; berries adhere firmly to peduncle, making it a splendid early market Grape, and commands the highest price, it makes a fine white or amber wine. Shipped it over 1,000 miles to market in fine order, and received best price on the market. It has received unreserved praise everywhere it has been tested. It mildews some in wet seasons in New Jersey and Michigan, near large bodies of water, but Bordeaux spray corrects that.

ROMMEL.

Produced in 1885 by crossing the Triumph upon Elvira. Vine very vigorous, free from disease not attacked by the leaf-roller; clusters medium, simple or shouldered, compact, handsome; berry medium to large, yellowish white, translucent; skin thin; pulp melting, seeds few and small; quality best, pure, sprightly, vinous; season about the

same as Delaware; the vine is very hardy to resist cold or heat, and is very productive. We recommend this variety for extensive trial north as well as south, as a very superior grape for local and near-by markets. The crop on 300 vines at five years of age averaged over 15 pounds each, and brought the highest market price. It makes fine white wine. Texas northward.

BEACON.

"The Southern Concord."

A hybrid of a very large-clustered, large-berried "Texas Post-Oak Grape" (*Vitis Lincecumii*) of good quality, excellent Concord. Vine vigorous, with dark, glossy green leaves of excellent texture and health; leaves out and flowers later than Concord and ripens earlier; cluster large; long cylindrical, often with a shoulder; berries closely resemble those of Concord, but average larger, some being one inch in diameter, and the bloom is somewhat heavier; the fruit has not the rank muskiness of Concord, but a very agreeable tuberoso odor; skin tougher; pulp rather tender, meaty, of a somewhat similar, yet better quality than Concord; seeds three to four, above medium. The vine is exceedingly prolific, and carries its load with ease. This Grape, we believe, will succeed almost anywhere that the Concord will thrive, and in much of the dry, hot southern country where Concord is practically a failure. The fruit is less attacked by rot than that of Concord, and ripens perfectly even, while Concord is very irregular in that respect in the South.

R. W. MUNSON.

A hybrid of "Big Post-Oak" with Triumph. The vine is very vigorous and healthy, setting and maturing a heavy crop, enduring drouth remarkably well, cluster large, cylindrical; berry large, black, persistent; seeds two to three, small; skin thin and tough; pulp tender and of excellent quality.

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the States named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.

GRAPES—Continued.

1899-1900

This is one of the best all-purpose grapes we have ever produced, and will succeed from the extreme South to far into the North. Its mother is the same vine that produced the Beacon. Cluster and berry very similar to Beacon, excepting that it has no bloom on the fruit, being jet black. An excellent table and wine grape.

DELAGO.

Hybrid of Delaware pollinated by Goethe, produced in 1883. Vine similar to Delaware, but more vigorous and a much heavier cropper. Cluster medium, shouldered, same shape as Delaware; berry large as Concord, ovate, beautiful red, about same shade as Delaware, very persistent; skin thin but tough, enabling the variety to endure shipment to any distance; pulp meaty, tender, of finest quality, possessing a delightful muscat flavor; seeds one to two, medium to large. Owing to the flower having short, recurved stamens, it requires a long stamen variety growing near to serve as pollinator for it. The Brilliant is excellent for this purpose.

AMERICA.

See Picture on Page 15.

This is a seedling of Herman Jaeger's No. 70, which is a hybrid between the selected *Vitis Lincecumii* and *Vitis rupestris*; native of Missouri, hence has pure American blood of two of our best species. The vine is very vigorous and enormously productive, with long arm pruning; comes into and sheds its foliage very late; free from disease. It flowers late. It does not pollinate itself thoroughly, hence sets fruit better when grown among perfect flowered varieties, such as Beacon and Carman. The vine is very hardy to resist heat and cold, and the roots to resist phylloxera. Clusters large; berry medium to large, black, and rarely touched by rot, skin thin; pulp tender, juicy, pure and good; juice rich in coloring matter and sugar. Very promising as a dark-red wine as well as a good market grape. Succeeds over a large extent of country. Will surely become a favorite among wine producers and marketmen. A splendid port wine has been made from it.

JAEGER.

A hybrid produced in 1885 by using pollen of the Herbemont upon one of the best varieties of *Vitis Lincecumii* found wild in this vicinity. Vine exceedingly vigorous, healthy and prolific. It will endure the winters as far north as 40°.

Bunch very large, shouldered or double-shouldered, compact; berry medium, of a dark purple, covered with a rich bloom; very persistent to the stem; skin thin, tough; pulp melting, very juicy, sweet and sprightly, of very good quality; seeds small. A very attractive and valuable grape for market, table or wine. Ripens a few days later than Concord.

CARMAN.

A hybrid produced by using pollen of Triumph upon one of the best of our North Texas Post-Oak Grapes (*Vitis Lincecumii*.) It leaves out and sheds late, and blooms late, always setting and maturing a very heavy crop, its vigor enduring this heavy crop from year to year with impunity. The vine appears as hardy as the Concord wherever tried, it having passed 27° below zero in Missouri without damage. Its foliage and fruit so far have been almost entirely exempt from disease of every kind. Clusters very large, shouldered, conical, have been grown to two pounds in weight; berry medium to large, black, very persistent; skin thin but tough; pulp meaty and fairly juicy, with little coloring matter; flavor pure, rich, very sweet, of high quality; exceedingly valuable. Succeeds everywhere in the South.

DELICIOUS.

A hybrid of "Big Post-Oak" with Herbemont. Vine vigorous and free from disease; cluster large, conical; berry medium, black; seeds small, one to three; skin thin and tough; pulp melting. The name of the grape describes its flavor. Productive, a fine table and wine grape. Suitable for the South.

BIG EXTRA.

A hybrid of Post-Oak and Triumph. Vine vigorous and healthy, productive; clusters large, cylindrical; berry large, black; seeds medium, two to four; skin thin, tough; pulp tender and of very good quality. Valuable for the South.

GOLD COIN.

Produced by pollinating Norton with Martha in 1883. Vine vigorous, late in leafing, shedding leaves and in flowering; flowers perfect; very hardy and productive; clusters medium, oval, or shouldered; berry medium to large; persistent, rich golden yellow when fully ripe; rarely touched by rot; skin thin, but very tough; pulp somewhat tough, very juicy, pleasant, agreeable flavor, becoming very sweet when fully

GRAPES—Continued.

ripe. Ripens about with Catawba; shows up and sells well in the market; immensely superior to the Pocklington. Will undoubtedly make an excellent white wine of good keeping quality. This grape, wherever tested, has received very high praise. A successful grape over a large extent of country. Endures the winters of the North and the summers of the South readily. Is a splendid long-shipment market variety.

BIG HOPE.

A hybrid of Post-Oak and Triumph. Vine vigorous, productive and free from disease; clusters very large, cylindrical and sometimes doubled; berry medium, dark red; seeds small, two to three; skin thin and tough; pulp tender, with a pale red juice; quality very good. A valuable southern market grape.

MUENCH.

A seedling of Neosho crossed with Herbemont. Vine very vigorous, productive and healthy; clusters large, fairly compact, conical; berry medium, dark purple; seeds small, one to three; skin thin and tough; pulp melting and of best quality; white juice. Very valuable Southern grape.

MRS. MUNSON.

Another Neosho crossed with Herbemont. Vine thrifty, prolific and healthy; clusters large, conical, shouldered, compact; berry small to medium, purple; seeds one to three, small; skin thin and tough; pulp juicy and melting; quality of the best. A fine eating grape as well as a valuable grape for wine. A fine variety for the South. Ripens two weeks later than the Herbemont.

HOPKINS.

A hybrid of Post-Oak (*Vitis Lincecumii*) with Norton. Vine very vigorous, prolific and an extra strong grower,

free from any disease; clusters very large, conical; berry medium, black; skin thin and tough; seeds two to three, small; pulp juicy and tender; of good quality. Makes wine of same character as Norton, and will outyield that variety greatly.

FERN MUNSON.

A hybrid of the Texas Post-Oak Grape (*Vitis Lincecumii*) and the Catawba. Vine very vigorous, late in leafing out, flowering and ripening of fruit; flowers perfect; cluster and berry large; berry persistent, very dark purple, almost black; skin thin, tough; pulp tender, juicy, rich and sprightly, of very fine quality. Ripe here late in August, long after Concord's are gone, and when the market is bare of other grapes. Continues a long time, and is very valuable. Succeeds throughout the South, endures great drouth, and is little troubled by disease. A splendid shipper.

LAUSSEL.

A hybrid of Post-Oak with Gold Coin. Vine very vigorous and productive; ripens after the Fern and before the Marguerite; cluster medium to large, roundish; berry medium, dark purple; seeds small, two to four; skin thin and tough; pulp juicy and tender, of fine quality; pale red juice. A fine table, market and wine grape.

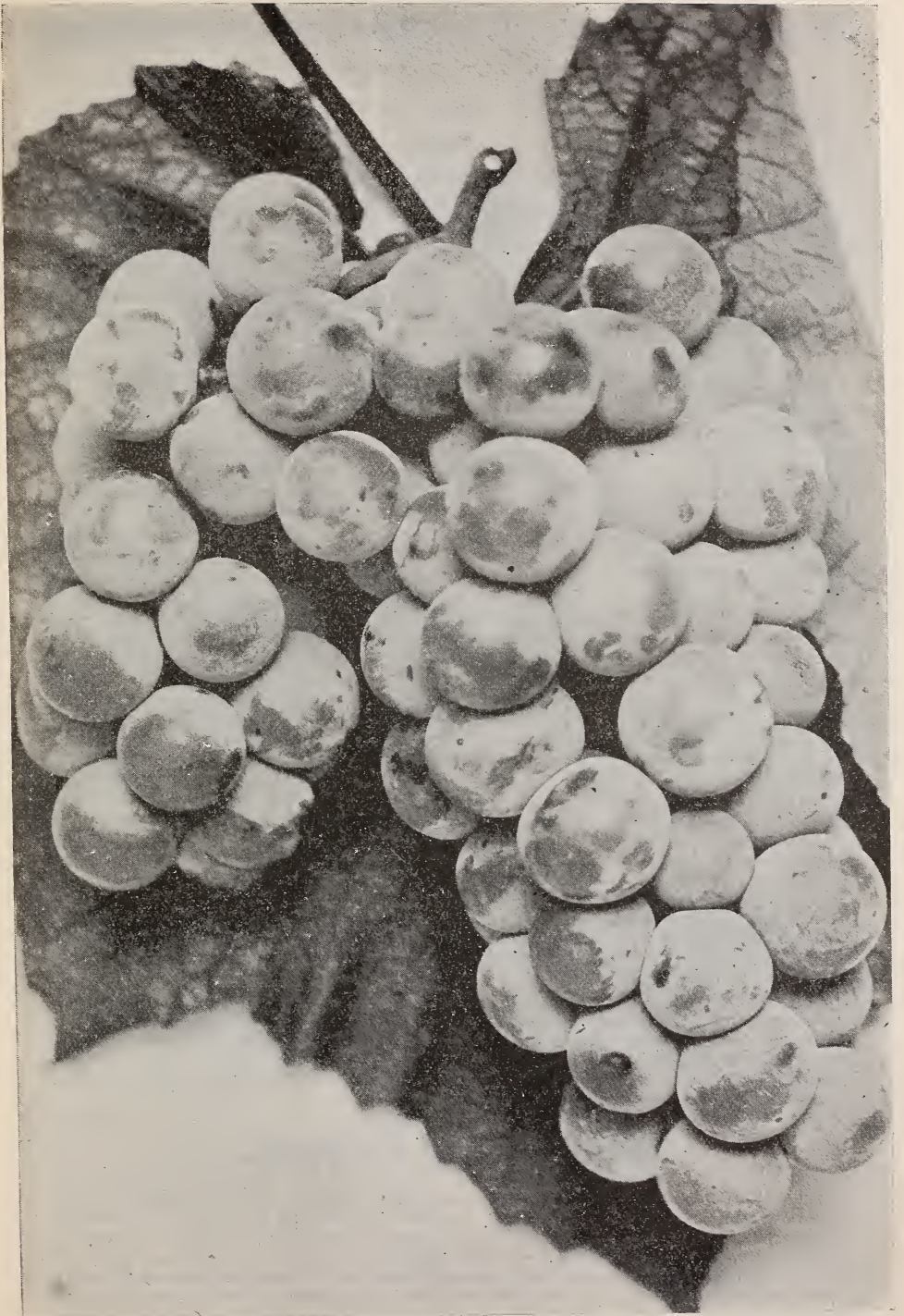
MARGUERITE.

A hybrid of "Post-Oak" with Herbemont. Prolific; the latest of all to ripen, and a fine grape to succeed Lausset and Fern. Vine very vigorous and free from disease; cluster medium to above, often shouldered, cylindrical; berry medium, dark purple; seeds one to three, small; skin thin and tough; pulp juicy, melting and of best quality. A fine grape for the South, from Missouri to the Gulf.

Introductions of 1898.

Another year's fruiting has verified our high estimate of the varieties in this list. Manito has proven itself a most certain and prolific fruiter, ripening nearly with Champion, of excellent quality and a fine shipper and seller in the market. Wapanuka has even eclipsed the Rommel in fine quality and stands without a peer among the American White Grapes. Kiowa, with as vigorous and prolific a vine as the Herbemont, almost entirely free from rot and mildew, with as large cluster and larger berry of very similar character to Herbemont, but black with

Remember that prepaid prices on single item or dozen rates are for orders of \$5 or more, and within the States named under "We Prepay Freight," on page 2 of body of Catalogue, which read carefully.



WAPANUKA.
(See page 20 for description).

GRAPES—Continued.

red juice, promises to replace that variety with much greater profit throughout the South.

PRICES.

We offer these fine new varieties at \$1 each, or \$8 per 12, prepaid or f. o. b.

ATOKA. America pollinated by Delaware. Large cluster; medium berry, beautiful dark translucent red. Very sprightly and good. Persistent to cluster; late; vine very vigorous and healthy.

JAEGER'S 43. Although not of our origin we place it here as it is probably the most valuable pure Post-Oak Grape (*V. Linccumii*) ever found. Is the mother of a very promising family of hybrids, and as our customers frequently call for the vines of the pure Post-Oak grape, we offer a few vines of it. Clusters large, compact; berry medium, very late in ripening, excellent quality; free from disease; flowers imperfect, hence some very late perfect-flowering variety, such as Kiowa, should be planted near it.

KENENA. America pollinated by a Post-Oak hybrid. Cluster large; berry medium, dark purple; thin skin, tender pulp, very sprightly and juicy, good; vigorous, prolific, healthy. Very promising as a southern wine grape.

KIOWA. Jaeger's 43 pollinated by Herbemont. Clusters very large; berry medium; black, red juice; very late, very juicy, of best quality; vine very vigorous, prolific, free from all disease. An exceedingly promising wine, table and market grape for the South. Promises to be more valuable than the Herbemont when at its best, and will succeed much farther north and in moister regions. Ripens after the Herbemont. Recommended with great confidence to wine producers.

MANITO. America pollinated by Brilliant. Cluster large, cylindrical; berry medium, dark purple with white specks; skin thin and tough; pulp very tender, sprightly, juicy, of excellent peculiar flavor; seeds small; juice red.

Vine vigorous, free from disease, very prolific. Very valuable for wine, market and table. This promises to succeed over a wide latitude. Very early.

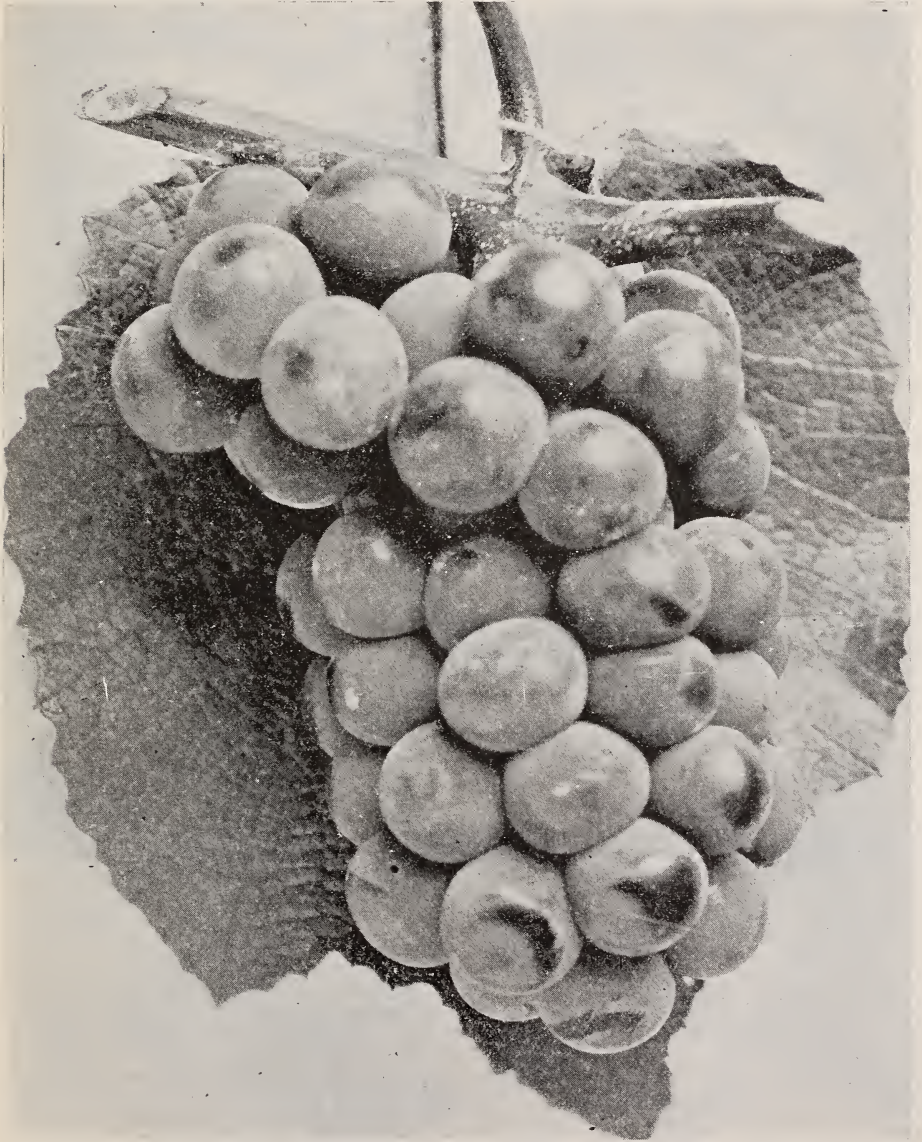
OLITA. Delaware pollinated by Irving. Cluster medium, shouldered similar to Delaware; berry medium to large, clear yellowish white, translucent; skin thin and tough; pulp melting, of the finest quality. This is the variety which at our great "grape tasting" of last season was awarded the place of highest quality over all others. It is a superb amateur grape. Vine a moderate grower and produces about equally with the Delaware. Better North than South.

RED GIANT (*Vitis Labrusca.*) A variety produced in Pennsylvania, and although not of our own origin we place it here that those who desire to plant a mammoth grape of this class can procure the best probably that has yet been introduced. We have seen and tested others of this class like the Jumbo, Columbian, Columbian Imperial, etc., and believe this to be the best of the lot. Cluster medium, compact; berry immensely large, one to one and one-quarter inches in diameter; color dark red; skin thick and tough; pulp rather tender, sweet and of agreeable flavor, possessing the characteristic of *Labrusca muskiness*. Vine vigorous, healthy and prolific.

WAPANUKA. Rommel pollinated by Brilliant. Cluster large; berry large, yellowish white; pulp melting, very juicy, highly flavored, of peculiarly agreeable character, quality unsurpassed; medium season, vigorous, prolific. Better shipper than Rommel or Brilliant. Will succeed over a large extent of country. See photo-engraving on page 19.

Black Land Grapes.

The four following hybrids, while succeeding well in almost any soil, are especially adapted to "black waxy," "adobe" and chalky soils, having as their foundation the native Mustang and the Champini of the chalk hills of Southwest Texas. By hybridizing with superior varieties the native twang has been removed, and the varieties will be found very prolific, free from disease and profitable market varieties. These varieties have the vigorous growing habit of the native blood in them and bear best on long arms, hence should not be planted less than 12 to 14 feet apart in row. They will hang on the vine for a long time, and will continue to improve all the while.



LUKFATA.

(See page 22 for description.)

GRAPES—Continued.

LUKFATA. *Vitis Champini* pollinated by Moore's Early. Cluster medium, compact; berry large, black; skin tough, thin; pulp tender, very sweet with peculiar agreeable flavor. Vine very vigorous, prolific and free from disease. Ripens early. Persistent to cluster, ripens very evenly. Price, \$1.00 each; \$8.00 per dozen.

CHAMPANEL. *Vitis Champini* pollinated by Worden. Cluster and berry large, black; skin thin and tough; pulp melting, juicy, very sprightly, of good quality. Ripens about with Concord. Price, \$1.00 each; \$8.00 per dozen.

OKTAHA. *Vitis Champini* pollinated by Delaware. Cluster and berry medium, black; skin thin, tough; pulp melting, sprightly, very good. Ripens early. We have had the Champini tested in Massachusetts where it proves hardy and healthy, hence we can expect hybrids of it, such as this and Lukfata, to succeed over a wide range of territory. It is a marriage, as it were,

of New England and Texas. Price, \$1.00 each; \$8.00 per dozen.

ELVICAND. A hybrid of Elvira with the Texas Mustang grape, *Vitis candicans*, which grows and thrives so wonderfully everywhere in the blacklands of the state. Vine exceedingly vigorous; medium to late in leafing out and flowering; flowers perfect. Exceedingly productive of small to medium, compact clusters of medium to large, beautiful, translucent, dark red berries, which are exceedingly persistent to the stems, and ripen a little later than Concord, and hold on until late in September in Texas, becoming better and better all the time—a most valuable point. Skin thin, tough; pulp tender, juicy, melting when fully ripe, and of a very refreshing honeyed sweetness. Wine made of it is exceptionally fine, sprightly and refreshing. It is an excellent graft stock for Vinifera varieties, being perfectly resistant to phylloxera. 25 cts. each; \$2.50 per 12; \$15.00 per 100.

ONWARD AND UPWARD.

Out of a great number of new varieties testing in our grounds a few each year establish their superior excellence and embody valuable properties not contained in older varieties. In order to afford others the opportunity of testing and enjoying our new productions it has been our custom to offer these valuable novelties from year to year. We have the following in a few plants of each to offer this year. We believe that several of them will be found very valuable and become much esteemed. They all have fruited from three to ten years or more with us. All, except XLNTA have perfect flowers.

PRICE: \$1.00 each. \$9.00 per dozen, prepaid.

The Set, that is one vine each of the eight varieties, for \$6.00.

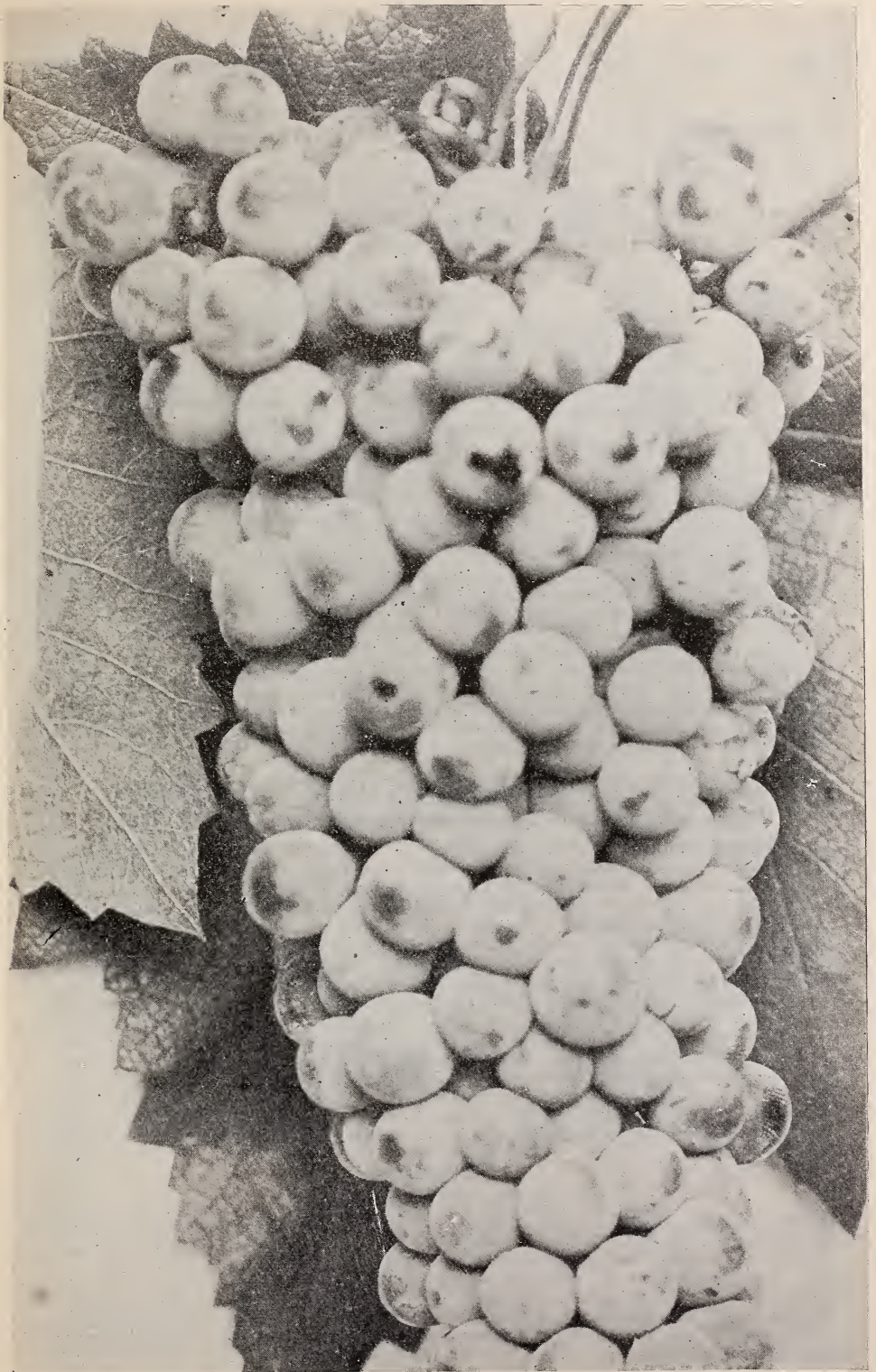
MARVINA. Marvin's Laura crossed with Brilliant. Cluster large, berry medium to large, translucent yellowish white; thin, tough skin; flesh meaty, breaking and melting; seeds few. Quality very pure and high, with a delicate Muscat flavor. Superior to the Green Mountain. Vine vigorous and prolific. This should be well adapted to all regions where the Concord succeeds.

YOMAGO. The Delago crossed with Brilliant. Good, healthy grower. Cluster and berry same shape as Delaware, but much larger. Skin very thin and tough; pulp very tender and melting; exceedingly sweet; sprightly excelling the Delaware. Color clear light red. Ripens a little earlier than Delaware and is more prolific.

XLNTA. America crossed with Beacon. Vine vigorous and hardy both in cold and heat; healthy, exceedingly prolific. Cluster large, cylindrical, shouldered; berries large, spherical, jet

black with very little bloom; persistent to pedicel; skin thin and tough; pulp meaty but easily breaking and freeing the seed. Juicy, rich, delicious with characteristic flavor. Juice red, seeds medium, few. Variety does not fully pollinize itself. Bailey, Husmann and Wetumka will be excellent mates for pollinizing it. This is a grand market, table and wine grape.

BAILEY. "Big Post-Oak" pollinated by Triumph. Vigorous and very prolific. This is one of our older hybrids sent out years ago to several parties for testing. It has made such excellent record with Mr. Onderdonk, in Victoria county, at the State Experiment Station, and in our own grounds, that we now introduce it with great confidence in becoming a standard large clustered, large berried, black market, table and wine grape throughout the Southwest. Flowers perfect, berries persistent, pulp meaty, fairly tender, pure and well flavored.



HUSMANN.

(See page 24 for description.)

GRAPES—Continued.

WETUMKA. A fine Elvira Seedling hybridized with Gold Coin. Vine a good healthy grower, prolific; cluster medium, handsome; berry large, yellowish; skin thin and tough; pulp very juicy, fairly tender, very sweet and sprightly. Persistent to pedicel. Ripens just before Gold Coin.

ICTERIDA. Gold Coin crossed with Bell. More vigorous grower than Gold Coin; very healthy; cluster medium well formed; berry large, light yellow, persistent; skin tough and thin; pulp of medium tenderness, juicy, very sweet, of good flavor. Ripens about with Gold Coin. This will make a very fine white wine, as well as an excellent market grape.

HUSMANN. Armlong crossed by Perry. Armlong is a Post-Oak pollinated by Black Eagle and bears an enormous cluster of excellent grapes. Perry is another Post-Oak pollinated by Herbemont with fruit even superior to Herbemont. The result in the Husmann is a vigorous, handsome vine bearing abundantly of enormously large clusters of medium size berries, black, very persistent; skin very thin and tough; pulp very melting and juicy, as sprightly as Herbemont, otherwise richer and better flavored, equaling

the finer Vinifera varieties. Seeds few and small. This variety endures both cold and heat splendidly and will succeed wherever Herbemont does, and will surely displace it when it becomes known. The juice is red. The variety will make a magnificent market, wine and table grape. The foliage is slightly troubled with mildew, which is readily held in check by Bordeaux Mixture. The roots are resistant to phylloxera. We are satisfied that this grape will take a foremost stand in California and other countries demanding the high properties of the Viniferas. Ripens with Herbemont.

NEVA. Jaeger's Neosho (a Missouri Post-Oak) hybridized by Herbemont. This vine was originated by us some fourteen years ago, and has done excellently ever since. The vine is exceedingly vigorous and free from disease, bears heavily of long, cylindrical, compact clusters. Berries a little larger than Herbemont, dark purple, very persistent. Skin thin and tough, pulp tender, sprightly, juicy; of best quality. Ripens two or three weeks after Herbemont. A very fine wine, comparing favorably with the best Vinifera wines has been manufactured from this in California.

A NEW DEPARTURE IN GRAPE HYBRIDS.

The most remarkable advance yet made in Grape Hybridization.

The two varieties following are hybrids of the well known Scuppernong Grape. (See exact life size engraving of San Jacinto on first cover page of Catalogue.) Originated by T. V. Munson. They are very vigorous, prolific, excellent in quality, and larger in clusters than any of the Muscadine varieties heretofore known. They are absolutely free from rot and mildew, and will succeed anywhere in the Southern States and California. Like the Scuppernong, they require male vine flowering at same time, growing near to render them fruitful. To purchasers of these vines we furnish male vines free of charge. These mark a new era among Grape varieties in the South. As we have yet only a few vines of each we can offer only single vines for sale to each purchaser, that is one each of the two varieties.

The "blizzard" of February 12, 1899, with temperature at 15° below zero, killed the James and DeSoto Grapes, top and root; the Scuppernong to the ground, and the Thomas back to the main trunk, while the San Jacinto and La Salle were the only two varieties of the Muscadine class that were not seriously hurt, and bore a partial crop. This adds a new value not known before to these varieties. Can be propagated only by layers, hence price will always be higher than cutting-grown varieties.

PRICE.

Per vine, prepaid, \$2 each.

LA SALLE. Very large berry, black; thin skin; tender pulp for this class of Grapes; quality equal to or better than Scuppernong. Ripens the earliest of any of this class. This and the next are hybrids of Scuppernong, with one of T. V. Munson's best Post-Oak Hybrid Grapes.

SAN JACINTO. Similar in berry and cluster to La Salle, the cluster being from two to three times the size of Scuppernong cluster; the quality is still better than La Salle. Ripens one to two weeks later than Scuppernong. Exceedingly prolific.

1899-1900

RESISTANT GRAFT STOCKS FOR GRAPES.

To meet the demand of some of our customers for good Stocks, resistant to phylloxera, on which to graft more delicate varieties of Grapes, especially the Viniferas, which thereby can be made very successful in many parts of the South, especially in Southwestern Texas, we have grown a small stock of the most approved, well tested species and varieties, which we offer at the following prices

PRICES.

	Each	Per 12	Per 100
Packed f. o. b. cars at Denison	\$0 10	\$0 75	\$5 00
Packed and prepaid to your depot.....	11	1 00	6 00

- Vitis Doaniana.** From the Panhandle of Texas. Several named varieties.
- Vitis Longii (Solonis.)** From the Panhandle of Texas. Variety Hutchison.
- Vitis Riparia.** Of the Northern states. Variety Mauston.
- Vitis Longii.** Of the Red river region of North Texas. Variety Australis.
- Hutporup.** A hybrid of *Longii*, *Rupestris* and *Lincecumii*.
- Valencia.** Most vigorous, easy rooting, very resistant variety of *Vitis Bourquinana* or "Southern Aestivalis."

All excepting *V. riparia*, of the North, are especially adapted to the Southern States and California. The *V. riparia* is best for Northern regions. The **Doaniana** is especially recommended for limy and black soils, while it does well in any soil. The *riparia* and *Longii* are better adapted to sandy soils. Include Hutporup for sandy soils in the South. Having been engaged for years in supplying vineyardists in France and California with resistant graft stocks for various soils, we understand this matter well, and have spent much time in selecting and producing the above varieties, which we recommend with great confidence. They all grow well from cuttings, and a few vines planted out will soon produce cuttings enough to supply any demand. We produce these only for the purpose of introduction, and don't expect to go largely into the graft stock business again.

We have growing in same soil, with same culture, side by side with the above named graft stocks, the most celebrated graft stocks selected and offered for sale by French vineyardists, namely: Riparia Gloire de Montpellier, Riparia Ramon, Riparia Rupestris 101-14, Riparia Rupestris 3309, Rupestris dulot, Rupestris Ganzin, Rupestris Martin and many others. In every case the varieties we offer are more vigorous, root equally well or better, are fully resistant to phylloxera, and take and carry the graft well, so that there may be no hesitancy in using these stocks in the soils and situations for which they are recommended.

We can supply a few thousand cuttings of the *V. Champini*, which is so well adapted to very limy soils. Correspondence solicited.

JAPANESE PERSIMMON.

This remarkable fruit does well all through the South. These are grown from seeds of several of the finest Japan varieties that have all proved hardy and prolific here. Many that we have fruited of these seedlings have always been hardy, large, good and prolific, and give better satisfaction than grafted trees. We have never known a seedling Japan Persimmon to fail to bear. 40 cts. each, \$3 per 12, prepaid; 35 cts. each, \$2.50 per 12, f. o. b. cars at Denison.

AMERICAN HONEY PERSIMMON.

We have a tree of the native Persimmon found wild, bearing profusely of large, clear, honey colored fruit of finest quality, preferred by all to even the finest Japanese kinds. The tree was moved into our grounds among the Japan varieties, and continues to fruit abundantly. It has few small seeds in comparison with most varieties. All things considered it is the finest Persimmon known to us. We annually grow some trees from seeds of this. About one-half of the seedling American Persimmons bear fruit, the others are male; hence in filling orders we put in two trees for every one ordered. 10 cts. each, \$1 per 12, \$8 per 100, prepaid; 90 cts. per 12, \$7.50 per 100, f. o. b. cars at Denison.

POMEGRANATE.

Spanish Ruby. This is a fruiting variety, and probably the finest in cultivation. Fruit 2 to 3 inches in diameter, containing within the rind numerous sprightly juicy berries. Succeeds everywhere within 300 miles of the Gulf. 50 cts. each, \$4 per 12, prepaid; 40 cts. each. \$3.50 per 12, f. o. b. at Denison.



THE HEADLIGHT GRAPE, THE COMING EARLY MARKET AND TABLE GRAPE.—This remarkable variety was produced in 1895 by crossing Moyer with Brilliant, the result of which did away with the weak points of the Moyer and added many valuable properties. Cluster and Berry good medium size cluster compact and shouldered. Berry very persistent to pedicel, a most valuable feature possessed by few early grapes. Bright, translucent red, becoming dark red at full ripeness, but very delicious and nearly equal to Delaware when of the same shade of red as the Delaware, becoming sweeter and finer by hanging on the vines, which it does perfectly for over a month in mid-summer in the South, improving all the while, another extremely valuable feature. Seeds few. The vine is healthy, vigorous and prolific; the foliage and fruit are very little attacked by mildew or rot, less than in Delaware. Will outyield Delaware one hundred per cent. The grape ripens, both in color and quality a few days earlier than the Champion, which is generally considered the earliest of all grapes.

At present we do not offer plants of this variety for sale, but would sell entire control of the variety. Correspondence solicited. If thus not sold within two years, we will then undertake to introduce it ourselves. No plants or cuttings will be sold at any price, so please do not request it.

As a money making market and table grape we consider this the most valuable variety that has ever been produced in America. It promises to succeed over a very large area. It has endured fifteen degrees below zero in the great blizzard without any indication of damage in any way.

“ A TREE FULL OF ROSES.”

Bechtel’s Double Rose-colored Crab Apple.

This is a true American Crab Apple, producing quantities of fine, very fragrant, full double flowers, closely resembling roses. It is one of the rarest, most truly meritorious novelties ever introduced. Its beauty and worth are recognized by the most noted and reliable horticulturists in the country, and those who plant it on our recommendation will be thankful for the hint. 50 cts. each, \$5 for 12, f. o. b. cars at Denison; 60 cts. each, \$5.50 per 12, prepaid.

Shade and Ornamental Trees.

Your chief happiness lies in the growing ornaments surrounding your home. Such ornaments refine and purify. Neglect them not.

Plant 20 to 25 feet on sidewalks; 25 to 30 feet apart in yards and parks. Read Elliott’s Practical Landscape Gardening. Price \$1.50.

PRICES.

	—4 to 6 feet—			—6 to 8 feet—			—8 to 10 feet—			—10 to 14 feet—		
	Each	12	100	Each	12	100	Each	12	100	Each	12	100
Packed f. o. b. cars at Denison	\$0.12	\$1.25	\$8.00	\$0.18	\$1.75	\$12.00	\$0.25	\$2.50	\$20.00	\$0.35	\$4.00	\$25.00
Packed and prepaid to your depot	.15	1.75	10.00	.25	3.00	16.00	.35	4.00	25.00	.50	5.50	35.00

Black Locust. (Sweet Locust). A splendid dry climate shade, ornamental or grove tree. Every prairie farm should have a grove of this for shade and fence posts. 5 to 8 feet.

Cucumber Magnolia. Price 25 cts. each for 2 to 3 feet trees.

Elæagnus Argentea. Silver berry; very handsome, small silver-leaved tree. 4 to 5 feet.

Lombardy Poplar. Quick, ornamental, easy to transplant. 4 to 8 feet.

Mulberry. Excellent, quick-growing, long-lived, easy to handle; non-fruiting. 5 to 8 feet.

MULBERRY, RUSSIAN WEEPING. The most beautiful and successful weeping tree for a dry climate ever introduced; difficult to propagate, but easy to transplant. \$1 each f. o. b.; \$1.25 prepaid.

MAPLE, Soft or Silver. The best; a favorite; quick, handsome, beautiful

scarlet in fall. Have a fine stock. Can make low prices on large orders. All sizes.

SWEET GUM (or Liquidambar). A most beautiful native shade tree for the South, leaves turning crimson and scarlet in fall. 4 to 8 feet.

SYCAMORE. Quick, hardy, long-lived, no disease. 4 to 10 feet.

VITUS AGNUS-CASTUS INCISA (Mint Tree). A remarkable perpetual flowering, small tree, hardy throughout the South, producing innumerable spikes of rich blue, highly scented, mint-like flowers, much liked by bees. The leaves are divided like a hand, into five to seven finger-like leaflets. 50 cts. each, prepaid; 40 cts. f. o. b.

Weeping Willow. Succeeds well on deep rich soil. 25 cts. each, prepaid 20 cts. f. o. b.

Yellow Poplar (Tulip tree). 2 to feet, only size in stock. 25c. each.

Flowering Shrubs.

PRICES—Unless Noted.

	Each	Per 12	Per 100
Packed and f. o. b. cars at Denison	\$0.15	\$1.50	\$10.00
Packed and prepaid	.18	2.00	12.00

All Tested and Successful in Texas.

Almond, Double Flowering. Pink, white.

Budleya Lindleyana. Very graceful, ever blooming; profusion of purple spikes.

CRAPE MYRTLE. Splendid summer bloomers. Crimson and white. 25 cts. each, prepaid.

Crape Myrtle, MUNSON. An improved, rich, imperial pink. 25 cts. prepaid.

CALIFORNIA PRIVET. Splendid for specimens, screens or hedging, 2 to 3 feet. 10 cts. each; smaller for hedging, \$4 per 100 f. o. b., or 12 cts. each \$1.25 per 12; \$5 for 100, prepaid. Have large stock.

FLOWERING SHRUBS—Continued.

Deutzia Watsonii. Very double, pure white; finest of all.

Flowering Willow (*Chilopsis Saligna*). A fine tree-like shrub, blooming profusely from spring on all through the summer; flowers purplish, 1 to 2 inches long, tubular. Colors, pink, crimson and white.

Bush Honeysuckle. Bloom in February; very fragrant.

Deutzia Crenata. Splendid shrub; double pink.

Lilac. Rothinger, White, Prince Notger, DeMarley and others; well known favorites.

Myrica Cerifera. An evergreen near

the Gulf. Compact, broad, glossy leaves. For massing, it makes a very agreeable effect; perfectly hardy in all weather.

Philadelphus. (Syringa.) (Mock Orange of the North.) Very pretty white flowers; sweet.

Pyrus Japonica. (Scarlet Quince). A gorgeous sight in early spring.

Pomegranate. Double Scarlet and Salmon; half hardy; fine for tubs.

Spiræa Reevesii. Double white.

Spiræa Billardii. Pink, perpetual.

Spiræa Argenta and **Fontaneysii.** Both white, perpetual.

ORNAMENTAL VINES.

PRICES :

	Each	Per 12	Per 100
Packed and f. o. b. Denison.....	\$0.20	\$2.25	\$15.00
Packed and prepaid.....	.25	2.50	17.00

Ampelopsis Quinquifolia. (American Ivy). Fine to cover walls.

Ampelopsis Veitchii. Still more handsome than the American.

Cissus Incisa. A most lovely, thick, waxy leaved climber; grows from tubers; hardy anywhere in the South.

CLIMBING ROSES. See list under Roses.

HONEYSUCKLES. Monthly Sweet—buff, profuse, perpetual bloomer.

Trumpet Creeper. A stout, woody,

handsome vine, with compound leaves and perpetual waxy, large, tubular, orange flowers in clusters; fine to ornament outhouses, tree bodies, etc., as it climbs by aerial roots.

Wisteria. American purple.

Vitis Rubra. Hardy; rare, but exquisitely beautiful; dark, glossy leaves; good climbing grape for trellis or arbor.

Vitis Monticola. Hardy, rare, very handsome; small, light green, glossy leaves; clean grower.

ROSES.

Read Henderson's Practical Floriculture—Price \$1.50.

PRICES.—Except Varieties Otherwise Noted.

	Each	Per 12	Per 100
Packed and f. o. b. Denison	\$0 22	\$2 25	\$15 00
Packed and prepaid to your depot.....	25	2 50	17 00

STRONG, OPEN GROUND.

The following list includes the most superb varieties, both old and new. The plants are one year old, thrifty, vigorous, growing in open ground. We have a large stock, and in quantity can make low prices.

All these have been in bloom throughout the season, and we know them to be strictly pure and true to name and description.

Everblooming.

WHITE AND BLUSH.

Bride. Strong, healthy, large, double, fine bud; delicate carmine-blush.

Clothilde Soupert. Vigorous, profuse bloomer, with medium, very full, white flowers.

Marie Guillot. Moderate grower; creamy white; large, very full; none finer.

The Queen. Pure snow-white; sweet and fragrant; petals are thick, makes fine buds on long stems; good grower.

Kaiserin Augusta Victoria. Pure white, fragrant; fine buds and flowers on long stems; profuse; strong grower.

Enchantress. Creamy white, tinted buff at center; large, full, globular.

Pres. Carnot. White tinged with blush; beautiful form.

ROSES—Continued.

White Cochet. Identical in shape and habit with that splendid pink rose, Maman Cochet, except the color is white, changing to blush.

BUFF AND YELLOW.

Mad. Welche. A fine, rich, fragrant cream, salmon center.

Perle des Jardins. A fine, rich yellow. Flower very double and fragrant. Pretty bud.

Etoile de Lyon. Rich yellow, fragrant, pretty; profuse all summer, during hottest weather; good grower.

Climbing Perle. Flowers and buds similar to the Perle; as a climber is much stronger, although similar to Marechal Niel in habit.

Mosella. Character and habit of Clothilde Soupert, except the flowers are larger and the color is a chrome yellow in center, fading to a creamy white towards tips.

PINK.

Catherine Mermet. Vigorous, large, full; bright flesh color; very sweet.

La France. Strong, upright, very large, full; delicate pink, sweet, profuse.

Duchess of Albany. Habit of plant, shape and size of flower similar to that of La France, but more profuse and of deeper pink.

Francis Kruger. Fine rich pink, creamy towards center; slightly penciled with deeper pink on outer petals. Healthy plant.

Grace Darling. Strong grower; rose shaded with crimson; outer petals yellow, forming a back ground for the center.

Champion of the World. Color and shape of flower similar to that of Hermosa. Bush not so upright.

Mad. Lambard. Bronzy, profuse; strong grower; excellent.

Hermosa. Clear, handsome pink; profuse.

Maman Cochet. Rose or pink, shaded with salmon; profuse, fine bud and flower; strong grower; a very superior rose; one of the best for out-door

planting in Texas, also excellent for cut flowers.

SCARLET AND CRIMSON.

American Beauty. Crimson, fine, 40 cents each.

Meteor. Large; clear rich, dark crimson; profuse; strong grower.

Papa Gontier. Very handsome in bud; dark crimson.

Madame Masson. Strong and hardy; flowers large and profuse, open and very double; flowers dark crimson.

Madame Charles Wood. Similar to Mad. Masson; plant is more stocky and color a little deeper crimson.

Letty Coles. Deep rose, touched with crimson; large flower and fragrant.

Pierre Guillot. A rival of American Beauty in beautiful crimson flowers, and a freer bloomer.

HARDY CLIMBERS.

Tennessee Belle. Good climber; medium, full; blush; in clusters; profuse in spring.

Crimson Rambler. One of the finest climbers; magnificent trusses of deep crimson flowers; makes a fine show as a climber and profuse bloomer.

Yellow Rambler. Habit and character of Crimson Rambler, only flowers are yellow.

Mad. Alfred Carrier. Plant of few thorns. Flower partially double, of a blush white.

Climbing Meteor. A deep double crimson climber.

Reine Marie Henriette. Plant of a climbing habit; buds on long stems; flowers large and full; color a pure shade of cherry red.

Empress of China. A new perpetual blooming climber. The color is dark red in the bud, and changes when the flowers open to a light red or pink.

W. A. Richardson. Orange-yellow with outer petals lighter, center coppery yellow.

MOSS ROSES.

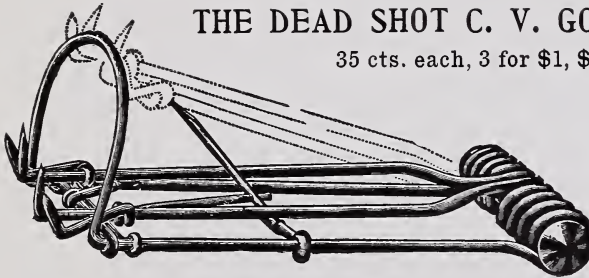
Luxemburg. Crimson, annual bloomer.

ADDRESSES OF HOME IMPROVERS PAID FOR.

If you will send us, with your order, the names and post office addresses of six of your neighbors who own and are improving their homes, we will put in with your order, if as much as \$2 or over, articles from our list, of your own selection, to amount of 25 cents. For 12 such addresses, when order is \$3 or more, articles to amount of 50 cents. This offer does not extend to more than twelve addresses from one customer.

THE DEAD SHOT C. V. GOPHER TRAP.

35 cts. each, 3 for \$1, \$4 per dozen.



Just the thing you are looking for to destroy those destructive Pocket Gophers. Full directions for setting with each trap.

We have used these traps for over ten years and they have given entire satisfaction.

INDEX.

	PAGE.		PAGE
Horticultural Information	2nd cover	Vinifera Varieties.....	14
A Small Library of Most Useful Horticultural Books.....	2nd cover	New Creations in American Grapes.....	14-18
Terms, Conditions, Shipping, etc....	1	Introductions of 1898.....	18
Prices.....	2	Black Land Grapes.....	20-22
Apples.....	3	Onward and Upward.....	22-24
Crab Apples.....	4	A New Departure in Grape Hybrids.....	24
Pears.....	4	Resistant Graft Stocks for Grapes.....	25
Quinces.....	4	Japanese Persimmon.....	25
Almonds.....	5	American Honey Persimmon.....	25
Apricots.....	5	Pomegranate.....	25
Cherries.....	5	"A Tree Full of Roses.".....	27
Figs.....	5	Shade and Ornamental Trees.....	27
Peaches.....	6-7	Flowering Shrubs.....	27
Plums.....	8-9	Ornamental Vines.....	28
Mulberries.....	10	Roses.....	28-29
Blackberries.....	10	Perennials.....	30
Dewberries.....	10	Evergreens — Cone-bearing and Broad-leaved.....	30
Raspberries.....	11	Juice of the Vine.....	30
Strawberries.....	11	Order Sheet.....	31-32
Grapes—Standard Varieties.....	12-13		
Southern Muscadines.....	13		



THE BIG FIVE.