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1896  
Descriptive Catalogue

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Fruit Trees, Vines, Small Fruits, Ornamental Trees, Shrubs, Plants, Etc.

JUN 19 1920

U. S. Department of Agriculture  
GROWN AND FOR SALE BY

**MARSHALL BROS.,**

PROPRIETORS OF THE

# Arlington Nurseries

...AND FRUIT FARM...

Arlington, = = Nebraska,  
WASHINGTON COUNTY.



Nursery Grounds, Packing House,  
and Cellars on Table Land, Two  
Miles East of Town.



**300 Acres in the Business.**

Long Distance and Arlington Mutual Telephone  
Connections.

OFFICE ONE BLOCK NORTH OF DEPOT.  
REFERENCE: ARLINGTON STATE BANK.



## ERRATA.

Page 11, End of 15th line, read BEAK instead of break

Page 20, Third line from bottom, cut out "li" after rich.

Page 22, Thirty-second line, read AND instead of nad

Page 26, Eighteenth line, read TREE instead of Three.

Page 31, Last line, read UYVH instead of Health.

Page 38, Eleventh line, read TYLER instead of YLER



## LETTER.

To our Friends, Customers, and all Lovers of Fruit:

In presenting to you our Descriptive Catalogue we wish to say that we are situated in one of the oldest and best parts of the state, and are benefitted by the results of from 25 to 35 years experience in orchard planting here, and with these results and knowledge gained by visiting hundreds of orchards in Nebraska and Western Iowa, and 13 years of hard study and constant experimenting to which we have given our whole time, we have selected from the list in this catalogue the varieties best suited to Nebraska and Western Iowa, which are marked with a star (\*). Please notice this in making your selection. It is well to remember that the harvest will depend on what you plant. The wise man has the harvest in view when he selects his stock. If you don't know what varieties you wish to plant, it is well to stick quite close to the star (\*) sorts, as this mistake once made can never be satisfactorily rectified.

We are continually discarding many varieties highly recommended for this country by people not living here. Our object is to grow such trees, vines, etc., as will do well in our Northern and Western climate. We are pleased to note that the dry seasons of 1893-94-95 have proven to our satisfaction that fruit trees under high, shallow cultivation will stand much more drouth than corn, small grain or grass. Our Nursery stock, young orchards, and fruit plantation in general, never were in better condition than now. We shall be pleased to hear from you at any time,

and shall take pleasure in answering all inquiries to the best of our ability, whether you purchase or not. Send card for price list; come and see our stock. We will be glad to show you around at any time you can make it convenient to call. Thanking you for past favors, and hoping your patronage will grow, we are, Very respectfully,  
Arlington, Neb. MARSHALL BROS.

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### PREFACE.

Our motto is to grow the best of all kinds of fruit trees, vines, plants, etc., that will succeed in this climate. We shall continue to experiment with all new promising varieties in our line and hold fast to those that prove good. We shall hold no good things from our patrons, and from time to time will offer such as prove valuable. It is safe to assert that the Nursery business has kept abreast with all the other enterprises of the country. A host of new varieties of the various kinds of fruit have been brought to the front; some of which have been classed with those very worthy of cultivation, while many others have fallen back into the grave of despair, being classed as worthless and never again to be resurrected. The past few years have developed the fact that the fruit business and the growing of fruits for the market will be in the front rank of the great business enterprises of the west. This is evidenced by the large amount of fruit trees that are being planted and the interest being manifested in the selection of varieties. We have not only to consult the wants

of those who are planting large commercial orchards for the money to be derived therefrom, but our desire is also to reach the amateur and moderate planter, whose object is to grow a family orchard of the varieties best suited for dessert and home consumption, so that a succession of the best fruits from the earliest to the latest ripening may be obtained; and thus in preparing this catalogue the greatest pains have been taken to make the descriptions and the seasons of ripening as accurate and intelligible as possible.

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#### ADVICE TO CORRESPONDENTS.

When particular varieties are ordered state whether and to what extent other varieties may be substituted, in case the orders cannot be filled to the letter, as happens occasionally in all Nurseries. When no instructions of this kind accompany the order, the best judgment will be exercised in filling the order so as to render satisfaction to the purchaser. It is requested that explicit directions for marking and shipping stock accompany the order, but when such directions are not given it will be shipped the cheapest and most direct route by freight, unless it is deemed safest and best to ship by express, and in all cases the shipment will be at the risk of the purchaser and if delay or loss occur in transit the forwarders alone must be held responsible.

Customers are requested to send notice at once of any error that may be committed in filling their order, so that it may be rectified and explained.

## GUARANTEE OF GENUINENESS.

While the greatest diligence and care to have all trees, etc., true to label will be exercised, mistakes may occur and in such cases upon proper proof the goods will be replaced free of charge.

## NUMBER OF TREES AND PLANTS ON AN ACRE AT VARIOUS DISTANCES.

1 foot x 1 foot.....	43,560	5 feet x 5 feet..	1,740
2 feet x 1 foot.....	21,780	6 feet x 6 feet..	1,210
2 feet x 2 feet.....	10,890	8 feet x 8 feet..	680
3 feet x 1 foot....	14,520	10 feet x 10 feet.	435
3 feet x 2 feet.....	7,260	12 feet x 12 feet.	302
3 feet x 3 feet.....	4,840	15 feet x 15 feet.	193
4 feet x 1 foot....	10,890	16 feet x 16 feet.	170
4 feet x 2 feet.....	5,445	18 feet x 18 feet.	134
4 feet x 3 feet.....	3,630	20 feet x 20 feet.	108
4 feet x 4 feet.....	2,722	25 feet x 25 feet.	69
5 feet x 2 feet.....	4,356	30 feet x 30 feet.	49
5 feet x 3 feet.....	2,904	33 feet x 20 feet.	66
5 feet x 4 feet.....	2,178	33 feet x 33 feet.	40

## DIRECTIONS FOR TRANSPLANTING AND CARE OF NURSERY STOCK.

### INTRODUCTION.

While fruit growing requires as much intelligent care as corn or other grain, the profits are such as to encourage all who can give it proper attention, to plant freely. Among our customers we have noticed parties who derive more clear gain from one acre of orchard than from ten acres of any other part of the farm. As to the most profitable varieties, we would refer those interested to the Star (\*) sorts in this Catalogue, and report of the Nebraska Horticultural Society. It is not uncommon for small fruits to yield from \$200 to \$300 per acre.



Careless or ignorant planting of trees is very expensive to the customer and damaging to the credit of the nurseryman, who after delivering to his customers fine, healthy, well grown trees, often has to bear the blame for the loss, though well knowing that it is often times the fault or ignorance of the planter. The careful perusal of the following suggestions, based on wide observation, careful study and costly experience, will, if followed, give much better results.

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### CARE OF STOCK WHEN RECEIVED FROM THE NURSERY.

As soon as the trees and plants are received, the bundles should be opened, the roots dipped in water, then heeled in very moist ground so that the mellow earth will come in contact with the roots and thoroughly protect them from the air, having earth tamped solid about them. Wet down thoroughly and cover wet soil with two or three inches of mellow earth. In planting take up only a few at a time and never allow them to lay exposed to the air and sun.

### FOR PLANTING FRUIT TREES.

Have the ground thoroughly prepared by deep plowing, and drag fine; and in planting make the hole large enough to admit the roots in their natural position; set the tree solid four or five inches deeper than it was in the nursery. If the soil is not quite moist enough, tamp it to the roots same as about a post, then water so thoroughly as to wet the soil in the hole, finish filling the hole, and leave two or three

inches of the surface soil loose. In planting (apples especially), lean the tree to the southwest, putting the largest and lowest limbs on that side, to prevent sun scald. Cut back from one-third to one-half of last year's growth; keep the soil perfectly mellow by cultivation; or, in other words, care for them as you do your corn or potatoes. It is well to plant some cultivated crop in young orchards, not planting closer than six feet to trees. If this is impossible, mulch six inches deep and eight feet wide. Never manure ground where you expect to plant a young orchard; also use as weak mulching as can be obtained. The trees should be kept free from caterpillars and leaf rollers.

Would plant Cherry and Plum trees twelve or fifteen feet apart, in rows running east and west, with rows twelve feet apart, planting no one variety in two adjoining rows. The object is to have the north and south winds of the spring to intermix the pollen, which is the secret of success in plum and cherry growing.

Would plant Apples twenty to thirty feet apart. The higher elevations and northerly slopes are the most desirable locations for commercial orchards, yet the family orchard should be near the house, and if this location should be a south slope, plant closer—say twenty feet—and lean trees very strong to the southwest. Allow them to limb low and never prune much, cutting off only the water-sprouts and limbs that cross and rub, always encouraging the growth of the south side of the top. Bearing orchards that are sown in grass should

be mowed two or three times each year, leaving grass lay to hold moisture and act as mulch in winter. Some orchards are nearly ruined by having a crop of hay taken from them during dry weather.

Grapes should be planted eighteen inches deep, in holes large enough to admit roots without curling them around; press soil solid about roots, leaving two inches of surface soil loose. Be sure to plant four or five inches deeper than they were in the nursery, leaving only three or four buds above ground; plant six or eight feet apart. Keep ground clean by cultivation; if impossible to cultivate, mulch same as apples. Prune in November, before covering for winter. We regard covering as profitable, and in most localities of the west as essential. Use old hay or dirt in covering.

Raspberries and Blackberries should be planted in well pulverized soil, two or three inches deeper than they stood in the nurse, and soil kept loose by thorough cultivation. Plant Raspberries two and a half feet apart in rows, having the rows five or six feet apart. Prune in spring, cutting out all old wood, and cut back new wood to three or four feet. Always keep your Raspberry patches clear of weeds by cultivation and prune each spring, and it will pay you for your trouble. Plant Blackberries two feet and a half apart in rows, having rows six or seven feet apart. Prune in winter or spring; take out all old wood and cut back new wood to three or four feet.

Strawberry plants should be planted and cared for same as cabbage or tomato plants. Plant in rows three to three and a half feet apart and twelve to fifteen inches in the row. The cheapest way to grow them is to plant in long rows and tend with a corn plow, using shields. Never allow rows to spread to more than eight or ten inches in width. Cover the plants late in the fall with one or two inches of prairie hay or stable litter (if free from weed seed). This covering should be removed from the plants in early spring and left between the rows until fruit is picked; then it should be removed from the patch and the rows cultivated as before.

Currants and Gooseberries should be planted four feet apart each way, and mulched heavily. Soft-coal ashes and cinders are good for mulching. They bear better when sheltered from south winds. Currants should be in the shade of fruit trees or other small trees at least half the day—say the afternoon.

Evergreens should be planted extremely solid but be sure that all vacancies under the pronged roots are well filled with soil first, then press or tramp the soil so solid that the tree cannot be easily pulled up, leaving two inches of the surface soil loose to prevent baking and to take in rainfall. Be careful never to expose the roots to the sun and air long enough to dry them; it is better to dig a hole by the side of the tree one foot deep and water through the hole. This applies to the watering of all trees. Better to water two or three pails-full at a time through the hole at the

side of the tree once in two or three weeks as needed, than to pour water on the surface, which often does more harm than good, by crusting the surface and attracting the roots upward for moisture instead of downward. Mulch with old hay or chaff; throw a little soil over the mulching and it will be more effective and look better. Evergreens should be watered during a drouth in midsummer, or fall, as well as in the spring. The ground should be filled with water at the approach of winter and then mulched. They do not need the above care after the first year.

### MISCELLANEOUS.

If weather is too dry for fresh planted trees to start, mulch and wet down with three or four pails of water per tree.

A small mound of earth placed against each fruit tree in autumn, will keep mice away during winter, but must be removed in the spring.

Guard against rabbits by wrapping trees; four or five corn stalks stood around the tree and tied with two strings is the easiest preventive.

If roots are not damp with dirt sticking to them, dip them in mud stirred up like mortar, before planting.

Always encourage the growth of the south side of any tree.

Avoid pruning the south side of body or limb, as the sun prevents the healing of the wound.

Never sow grass in an orchard till it has been planted a few years.

Clover is the only grass fit to grow in an orchard as all others form too stiff a sod.

Never take a crop of hay out of your orchard.

Grass should be mowed two or three times a year and left laying.

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## HOW TO WINTER TREES RECEIVED IN THE FALL.

Soon as trees and plants are received from nursery the bundles should be opened and all straw and moss taken from them, then dip roots in thin mud; heel in one foot deep in moist ground, laying trees at such angle as to have tops one foot above ground, tramp dirt solid about the roots. Leave them in this condition until late in fall, then cover the entire top with dirt, using nothing else. Forest trees, Grape Vines and Berries should be buried in pure dirt. Plant April 1st to 10th.

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## SPRAYING FORMULAS.

**Bordeaux Mixture.**—Dissolve six pounds of Sulphate of Copper in six gallons of water. In another vessel slack six pounds of fresh lime in six gallons of water; after the lime has cooled, turn slowly into the copper solution, add thirty-eight gallons of water, mix thoroughly and strain through a coarse gunny sack when it is ready for use.

The above preparation is used for all kinds of fungus diseases, such as mildew, mould, scab on apples, rot on grapes, and for all forms of leaf blight. Application should be made with a spray pump as soon as the disease appears and repeated twice at intervals of about ten days. For codlin moth add

to the Bordeaux mixture one quarter pound of Paris green. Apply as soon as the blossom is all off and repeat after ten days.

**Kerosene Emulsion.**—Dissolve one-half pound of hard soap in one gallon of hot water and heat to boiling; add one quart kerosene and stir violently for five minutes until the whole is thoroughly mixed together; add 14 quarts water and mix thoroughly, when it is ready for use. This mixture is used to destroy plant lice of all sorts, and that class of insects which suck the sap of plants through a break.

**Ammoniacal Solution of Copper Carbonate.**—Dissolve three ounces of carbonated copper in one quart of ammonia and add 25 gallons of water.

The above is used for various fungus diseases, principally black rot in grapes.

All of the solutions of copper corrode iron and tin, and should be mixed in wooden, earthen or brass vessels.

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## FRUIT DEPARTMENT.

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### THE APPLE.

The apple is the first fruit, both in importance and general culture. No fruit is more in demand, more universally liked or more generally used. The earlier varieties ripen about the last of June, and the later sorts can be kept until that season; it is a fruit in perfection the entire year. Make a judicious selection of varieties, and a constant succession can be had the whole year.

Its uses are many and of inestimable value. It has been said that "fruit

is nature's own remedy;" it is certainly nature's own preventive. Many diseases are not known to free users of a fruit or vegetable diet. There is no farm crop which, on the average will produce one-fourth as much income per acre as will a good Apple orchard.

We grow about fifteen varieties in large quantities, and advise beginners to not plant more than that many. We grow a limited supply of over 100 sorts, and therefore can supply anything in this book, and many not listed. Those marked with a star (\*) will give best satisfaction in northern Nebraska.

### SUMMER APPLES.

**ASTRACHAN RED.**—Large, roundish, nearly covered with deep crimson, overspread with deep bloom; juicy, rich and beautiful; a moderate bearer; tree upright, spreading; July.

**BENONI.**—Medium, red striped, best of its season; tree upright good bearer; blights some; August.

**CHENANGO STRAWBERRY.** — (Sherwood Favorite.) Fruit medium size, oblong, indistinctly ribbed; skin whitish, splashed and mottled with light and dark crimson; flesh white, tender, juicy, with a mild sub-acid flavor. A pleasant fruit, esteemed for the table, and so handsome as to make it a quick selling market variety. Tree vigorous, but short-lived, and a good annual bearer. August and September.

**COLE'S QUINCE.**—Large, yellow, ribbed, moderately hardy. productive. August and September. Specially good for cooking, where the quince flavor is liked by consumers.



**COOPER'S EARLY WHITE.**—Very large, roundish, pale yellow with faint blush; flesh white, crisp, sprightly; a Western apple; vigorous; not hardy in central Nebraska; first of August.

**\*DUCHESS OF OLDENBURG.**—Fruit large, striped, beautiful, quite juicy, mild sub-acid, or almost tart; tree a good bearer, with upright head, requiring little or no pruning; very hardy. Indispensable north, good south. One of the best for culinary use, being particularly well adapted for cooking and drying. July and August.

**EARLY HARVEST.**—Medium to large, roundish, bright straw color; flesh white, tender, juicy, crisp, with rich sub-acid flavor; tree moderately vigorous and productive. First of July.

**EARLY PENNOCK.**—Tree moderately hardy; very productive; fruit large, roundish, conic, ribbed, light yellow, splashed, mottled and shaded with light red; sub-acid, fairly good, core large. August and September.

**KESWICK CODLIN.**—Moderate size, tender, juicy, excellent for cooking; productive and early in bearing; July and August.

**RED JUNE.**—Medium size, flesh white, tender, juicy, sub-acid; an abundant bearer; last of June.

**SWEET JUNE.**—An excellent early sweet apple; pale greenish yellow, medium size, round; fine for table and cooking, tender; 25th of June to middle of July.

**SOPS OF WINE.**—Medium size, dark red; quality excellent; tree very hardy and productive; August.

**TETOFSKA.**—(Russian) The tree is an upright spreading grower, forming an open head; comes into bearing extremely early and bears every year; blights some; fruit medium size, nearly round, whitish yellow beautifully striped with red, flesh white, juicy, pleasant, acid, aromatic; very slow in nursery. A dwarf tree. July.

**YELLOW TRANSPARENT.**—(Russian.) Large, pale, waxen yellow, oblate, beautiful, quality good, an upright grower, perfectly hardy; a good tree for Nebraska; July 15

### AUTUMN APPLES.

**ALEXANDER.**—(Empire Russia.) Large, deep red or crimson; flesh yellowish white, crisp, tender, with pleasant flavor; very hardy, shy bearer; October.

**AUTUMN STRAWBERRY.**—Medium size, streaked, tender, juicy, fine, productive, desirable; August and September.

**BAILEY'S SWEET.**—Fruit large, round, mottled and striped with deep red; flesh yellow and tender, with a mild, rich flavor; slow; blights some; September.

**DYER.**—Medium size regularly formed, pale greenish yellow, faint blush, dark specks on one side, flesh white, very tender, juicy good. August and September.

**FALL STRIPE.**—(Saxton.) An old variety which originated in Massachusetts or Connecticut. Tree vigorous, very productive, an early bearer. Juicy, tender, sub-acid, slightly aromatic, very good; medium size, oblate, covered

with light and dark stripes; does well in Nebraska; September.

**FALL WINESAP.**—Origin unknown; tree a free, clean grower, moderately spreading, somewhat drooping as the tree acquires age; fruit medium size; green with red blush; very good; September.

**FAMEUSE.**—(Snow Apple.) Medium size, roundish, oblate; whitish ground, striped with red; flesh very white, juicy and pleasant; tree blights; October and November.

**\*GOLDEN SWEDE.**—Brought from Sweden about 1870 by Mr Lindgren of Oakland, Neb. Tree upright grower, spreading, vigorous, hardy; an early and annual bearer; fruit large, roundish, dull yellow, sub-acid quality the very best; very desirable for Nebraska; August.

**HAAS.**—(Gros Prommier.) Medium to large, slightly flattened, shaded and striped with red, flesh sometimes stained; sub-acid, fair quality; tree vigorous and hardy, upright grower, with well formed head, bears early; September to November.

**LONGFIELD.**—One of the best of the Russian varieties; an early and prolific bearer, rich, sprightly, sub-acid quality, medium size, yellow, with a decided blush; October.

**MAIDEN'S BLUSH.**—Rather large, oblate, sometimes ribbed, with a fine, evenly shaded red cheek or blush on a clear, pale yellow ground; flesh white, tender, sprightly, with a pleasant sub-acid flavor, bears large crops, free. August and September.

**OTOE.**—Originated in Nebraska; tree upright, spreading, hardy; an early,

productive bearer; fruit medium, grayish red, covered with heavy bloom, core short stem and calix set in deep basin, sub-acid, very good. October and November.

**PORTER.**—Rather large, regular, oblong, tapering to the eye, skin bright yellow, sometimes a dull blush in the sun; flesh tender, rich, sub-acid, flavor fine; productive; slow; September.

**FULTON.**—Said to be a seedling of Rambo, which it resembles both in appearance and quality, only it is larger; tree hardy and a good bearer; October.

**PRICE'S SWEET.**—Large, greenish yellow, flat shaped apple, claimed by many to be superior to Tallman Sweet; tree hardy, productive; November.

**RAMBO.**—Medium, yellowish, streaked with dull red, and somewhat dotted, mild, tender and good; not productive; September to November.

**\*RAMSDELL'S SWEET.**—This old variety is esteemed where grown for the large crops which it bears and as a showy sweet apple for market and profitable for stock feeding, as well as for cooking. Tree very vigorous, and comes into bearing early; flesh very tender, mellow, unusually sweet and rich; October to February.

**\*WEALTHY.**—Fruit large, variegated red; tree a good grower; an early winter apple in northern localities; a native of Minnesota, and one of their hardy sorts; fine-grained, full of lively, sub-acid juice; commences to bear young; September.

**\*UTTER.**—Medium to large, roundish, whitish red, very good quality, an

excellent variety; one of our best fall apples; September to October.

### WINTER APPLES.

**ALLEN'S CHOICE.**—Origin Pennsylvania. Fruit below medium size, oblate, sides unequal, yellow, mostly shaded, and striped with red. Flesh white, stained with red, coarse, crisp, juicy, aromatic. "Good," January. Tree hardy in Nebraska.

**\*BEN DAVIS.**—Large, smooth, often polished, nearly covered with red; sub-acid; one of the most profitable market fruits. Tree remarkably healthy and vigorous, productive, and bears early. December to February.

**BLACK TWIG.**—A seedling of the Wine Sap, large, dark red, handsome, quality good; tree hardy. December to March.

**DOMINIE.**—(Well's English Red Streak.) Medium to large, skin greenish yellow; sometimes striped lightly with red; flesh very tender and pleasant; blights in Nebraska. December.

**ENGLISH GOLDEN RUSSET.**—Fruit medium size, very regular, slightly conical; pale greenish yellow, about two-thirds covered with russet; flesh yellowish white, firm and crisp, with pleasant, slightly sub-acid flavor; not profitable; November to January.

**EICKE SEEDLING.**—Grown from seed by Mr. Henry Eicke, 5 miles west of Omaha, where the tree is still standing and bearing very heavy crops; tree upright, spreading, very large, perfectly hardy. Fruit below medium size, light green striped and nearly covered with bright red, quality very good. December to February.

**\*GANOE.**—Supposed to be a cross between Ben Davis and Jonathan; bright red, no stripes, polished beautifully, oblong, tapering, surface smooth, sub-acid, good. One of the best for Nebraska; hardy, upright; tree resembles the Ben Davis. This is the coming market apple, as its heavy annual crops of large, red, showy apples will render it very profitable. It should be in every orchard.

**G. G. PIPPIN.**—(Grimes' Golden.) An apple of the highest quality, equal to the Newtown, medium to large size; yellow; productive. November and December.

**\*IOWA BLUSH.**—Medium in size, roundish, conical, whitish, with red cheek; quality fine, tart; tree vigorous and hardy on the prairies. November to January. A good tree for Nebraska.

**\*ISHAM SWEET.**—Fruit large oblong, conical, greenish yellow; striped with dull red. Beautiful, showy, good; tree hardy, spreading. November to January.

**\*JANET.**—(Never Fail) Medium; mixed and striped crimson on yellow and green; flavor sub-acid, vinous and refreshing. Popular as a market fruit on account of its good quality and keeping qualities and abundant yields. The blossoms appear later than any other sorts, and thus they sometimes escape spring frosts. February to April.

**JONATHAN.**—Medium; red, beautiful; best quality; tree slender; early and abundant bearer; moderately hardy. November to February.

**KAUMP.**—Medium, yellow, good quality; early and constant bearer.

Tree vigorous; very desirable at the north.

**LAWVER.**—Origin Platt County, Missouri, large dark, bright red, roundish, very showy; tree hardy; not productive; a late keeper. December to May.

**LANSINGBURG.**—Seedling of Little Romanite. Tree upright, spreading and productive, fruit medium, roundish, oblate, yellow, largely overspread with grayish red, flesh firm, mild, sub-acid; good; valuable mainly for its long keeping qualities; vigorous. January to June.

**LITTLE ROMANITE.**—(Gilpin Cart-house.) Tree productive; fruit below medium size, roundish, oblong, skin very smooth and handsome, streaked with long deep red and yellow; flesh yellow, firm, rich, becoming tender in spring; good; vigorous. February to June.

**MANN.**—An upright grower, forming a round head, fruit medium large, skin deep yellow when fully ripe, with sometimes a shade of brownish red where exposed, pleasant, sub-acid. Not productive. March and April.

**McAFEE'S RED.**—(McAfee's None-such.) Originated at McAfee's old Fort in Kentucky. Good grower; very productive, fruit large, shaded and striped with crimson and covered with a thin bloom. Flesh whitish, solid, crisp, sub-acid, good to very good. December to March.

**MILAM.**—A small red apple of excellent quality; tree moderately hardy. Very productive. December.

**MISSOURI PIPPIN.**—Medium, oblong, bright red, with numerous gray

dots, very handsome and a fair quality, an early and very abundant bearer, and very profitable orchard fruit; vigorous. December to March.

**NORTH SPY.**—Fruit large, striped and shaded with light and dark purplish crimson and covered with a thin white bloom; tender, very juicy, a pleasant sub-acid. November and December. Shy bearer.

**\*NORTHWEST GREENING.**—Tree of Wisconsin origin; vigorous grower and considered very hardy in that section, fruit large, of greenish yellow color, and remarkable as a keeper, fruit in 1884 and 1885 having been exhibited side by side.

**PERRY RUSSETT.**—Above medium, yellowish green, partly covered with russett, quality good, tree hardy, very poor bearer.

**PEWAUKEE.**—Fruit very large, green striped and splashed with red. Fruit drops from tree, not hardy.

**ROMAN STEM.**—Fruit medium, whitish yellow splashed with russet; flesh tender, juicy; rich musky flavor, fine dessert apple; moderately hardy. November and December.

**\*SALOME.**—Above medium in size, partly shaded and striped with dull red, tender, mild, slightly aromatic; very good. December to March. Its hardiness, long keeping, good quality, uniform size, will no doubt make it valuable for the west and northwest. Perfectly hardy.

**SEEK NO FURTHER.**—(Westfield.) Medium to large; slightly russeted with dull red stripes, tender, rich, spicy and fine; good bearer, moderately hardy. October to January.



**SHERIFF.** — (American Beauty.)

Above medium, roundish, oblong, flattened at the ends, regular, nearly covered with light and dark red stripes and splashed with obscure dots; early bearer, productive and hardy, very reliable. November to February.

**TALLMAN SWEET.**—Medium, pale yellow, firm, rich and very sweet; October to December.

**WHITE WINTER PEARMAN.**—Medium, oblong, skin yellowish, flesh yellow; with a pleasant sub-acid flavor; tree productive. January to April.

**WILLOW TWIG.**—Large, roundish, greenish yellow, striped, early bearer and considered valuable in the South and West, profitable as a late keeper. January to May. Not hardy in Nebraska.

**\*WINE SAP.**—Medium dark red, sub-acid, excellent, abundant bearer, a favorite market variety in the West; vigorous and hardy. November to April. A good one for Nebraska.

**WOLF RIVER.**—Very large and handsome, flesh whitish, breaking, pleasant, sub-acid; poor bearer. November and December. Fruit drops.

**WALBRIDGE.**—Medium size, striped with red, handsome and excellent for cooking; vigorous grower and productive; very hardy, and considered of great value in the North and Northwest. December to January.

**\*WINTER SWEET PARADISE.**—Rather large, roundish, skin pale greenish yellow with brown blush, flesh white, very good flavor, tree upright, bears well, fruit inclined to drop prematurely on some soils. December and January. Hardy in Nebraska.

**YORK IMPERIAL.**—Medium, oblate, white, shaded with crimson, flesh firm, crisp, juicy and sub-acid; a good bearer and keeper, one of the best winter apples; moderately hardy. November to April.

### CRAB APPLES.

A good assortment of these trees should be one of the first things planted. They are perfectly hardy and may be relied upon to furnish fruit that can be used for a great variety of purposes. Some of them should be in every collection.

**\*BRIAR SWEET.**—As large as Transcendent; pale yellow, splashed with carmine; very sweet and rich; fine for dessert or preserves. Tree vigorous and productive.

**GEN'L. GRANT.**—Tree a vigorous and upright grower, blights some, fruit large, red to very dark red, flesh white, tender, mild, sub-acid, excellent for dessert. October.

**HYSLOP.**—Large dark red, sub-acid, bears its fruit in clusters; good eating and cooking; very hardy, subject to blight in some localities, very popular. When over ripe becomes "floury." September.

**LARGE RED SIBERIAN.**—Large, pale red and yellow; good quality, large tree, with coarse foliage; early bearer, fruit much larger than the common Siberian.

**\*MARTHA.**—A seedling of the Duchess of Oldenberg, large, striped, very beautiful, as fine as Transcendent. Tree very healthy and handsome; early bearer. September.

**MONTREAL BEAUTY.**—One of the

most beautiful of the crabs. fruit large, bright yellow, shaded with red; flesh yellowish, firm, acid; tree a free grower. September.

**SYLVAN SWEET.**—Tree slender, upright, light colored wood, fruit large, pale yellow, with rich blush, flesh white, tender, very good and very beautiful. July.

**TRANSCENDENT.**—Yellow, striped with red; good eating, fine for preserving or pickling, good cooking, makes good cider; immensely productive, very early bearer. Blights to death in Nebraska.

**WHITNEY'S NO. 20.**—One of the largest, glossy green, splashed with carmine; firm, juicy, best quality. It is really a choice little dessert apple, perfectly an ironclad; a great bearer. Ripens last of August. Makes a fine white cider.

**YELLOW SIBERIAN.**—Medium size; good quality, tree hardy.

**SEPTEMBER.**—Whitish, waxen, yellow, medium size; very handsome, perfectly hardy, promises to lead all other crabs.

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### PEARS.

Pear growing in Nebraska has generally been a failure. Of all the Pears tested here we only offer a few varieties. We have faith in a properly selected list of pears when properly cared for. Plant only two or three varieties; try to get well ripened growth, give only fair cultivation with late summer and winter mulching. Coal ashes are particularly valuable as a mulch. Use not less than one-fourth of a wagon load to each tree and repeat as needed.

Be contented with an annual growth of from twelve to eighteen inches. Rank late growth is often the cause of disease. Lean the trees to the southwest when planting to prevent sun-scald. Plant six inches deeper than stood in Nursery.

**BARTLETT.**—Large size; with often a beautiful blush to the sun; buttery, very juicy and high flavored, bears early and abundantly, very popular. August.

**CLAPP'S FAVORITE.**—Very large, yellowish green to full yellow when ripe marbled with dull red in the sun, and covered with small russet specks, vinous, melting and rich, vigorous. July.

**EARLY HARVEST.**—Large golden yellow with a fine red cheek, flavor poor, but it sells well in the market because of its size and color and earliness in ripening; ripens one month before the Bartlett. Tree vigorous and productive.

**FLEMISH BEAUTY.**—Large, red cheeked, beautiful; excellent quality, productive; one of the hardiest; very popular in the West.

**IDAHO.**—Large and handsome, golden yellow, small core; melting and juicy. September to October. Blights to death in Nebraska.

**KIEFFER'S HYBRID.**—This pear was raised from seed of the Chinese Sand Pear, accidentally crossed with the Bartlett or some other kind grown near it. Tree has large, dark green glossy leaves, and is of itself very ornamental; is an early and prolific bearer; the fruit is showy, and is valuable for the table and market and

never rots at the core, and is as nearly blight-proof as it is possible for any pear to be. October and November.

**LOUISE BONNE DE JERSEY.**—Rather large, greenish yellow, with a bright red cheek; juicy, buttery and melting, excellent; very productive. August and September.

**SECKEL.**—Small, but of the highest flavor; a standard of excellence; a slow grower but bears early. Ripens last of August. Productive.

**SHELDON.**—Large, plump, round, russeted; handsome and good; one of the most reliable for Nebraska.

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## CHERRIES.

A great deal of attention is now given to the growing of Cherries. No home orchard is complete without its proportion of Cherry trees, and it is one of the most profitable market fruits. It will succeed on any kind of soil that is not wet.

The Heart and Bigarreau varieties are not very much of a success in the West and Southwest; but the Dukes and Morellos succeed everywhere, especially the latter.

Cherries are now generally worked on the Manaleb, a stock that does not throw up sprouts from the roots.

The \* sorts will do best in Nebraska.

**DYE HOUSE.**—This variety partakes both of the Morello and Duke; wood and fruit; a very early and sure bearer; ripens a week before Early Richmond; of better quality; productive. Free; May and June.

\***EARLY RICHMOND.**—Medium, red; fine when well ripened. Tree

hardy and productive. A good tree to plant.

**EARLY MORELLO.**—Believed to be brought from Germany. Fruit nearly black, when fully ripe. Large, ████████, tender, rich, vinous. Ripens about with Early Richmond. Bears young and is productive. Is the best quality of any early cherry.

**\*ENGLISH MORELLO.**—Medium to large; blackish red, rich acid, juicy and good: very productive; July. Should be on every farm in the west.

**\*TERRY.**—Fruit large, light, brilliant red; becoming darker as it gets riper. The stem is so long that it can be picked from the tree without bruising the fruit. Three upright, handsome, a fine grower; hardy and very productive. This is one of the coming cherries for the prairies.

**\*OSTHEIM.**—This is a magnificent variety, and has proven to be one of our very best. Hardy, productive and vigorous; classed as Russian—a fine thing.

**LATE RICHMOND.**—(Late Kentish), fruit medium, round, deep red when ripe; very juicy, highly acid; one of the best for culinary purposes; poor bearer.

**\*MONTMORENCY.**—Large, red, acid; larger than Early Richmond and ten days later; prolific and valuable.

**\*WRAGG.**—Originated in Iowa; said to be a seedling of English Morello. Medium to large in size. A variety well adapted for the high altitude and prairie regions of the northwest. July.

**VILNE SWEET.**—From Vilne in Southwest Russia. Fruit large, firm-fleshed and sweet. This variety should

be tested by all who have good cherry soil in the South Iowa and Central Nebraska districts.

**OLIVET.**—A variety of French origin. Large, globular, very shining, deep red; flesh red, tender, rich and vinous; sub-acid flavor. Not profitable.

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### PLUMS.

The best of our natives by careful selection and cultivation are today the most desirable varieties for the planters of the prairie states. They are perfectly hardy, able to stand our climate, and it is from these we must expect our profitable crops of this fine fruit. The plum delights in a cool, not too dry situation, with good, rich soil. The varieties we offer have been thoroughly tested, and are the standbys of the west. These, with the best of the descendants of the European Plums, may be relied upon to furnish yearly crops of this most highly profitable and delicious fruit.

### AMERICANA.

**DE SOTO.**—Medium size, resembles Minor in form and color, but two weeks earlier; fine for eating or canning; moderate grower; bears young and profusely; hardy and very desirable; but does not stand extreme drouth well.

**FOREST GARDEN.**—Medium size, early variety, of good quality; nearly round, mottled red and yellow; sweet and rich, a strong grower. July.

\***HAWKEYE.**—Very large, dark red, handsome, rich and good. Tree a moderate grower with broad, shining leaves; hardy and profitable.

\*MINOR.—Large, red, firm flesh, excellent for canning or cooking; profitable market sort; one of the best if properly fertilized. Tree perfectly hardy.

POTTAWATTAMIE.—Medium size, yellow red, luscious, good, moderately hardy; early and immense bearer; ripens in July. One of the very best for canning.

\*ROLLINGS' ONE.—Not so large as some, but of the best quality, and covered with such a deep bloom that it looks like a "Blue" plum; perfectly hardy.

\*STODDARD.—Largest American plum known. It is pure American, but shows strong markings of the Japan type in leaf and fruit. In Iowa the tree is a good, stout grower, beautiful enough for the lawn; an early bearer and perfectly hardy.

\*WOLF.—Large; dark red; good quality. Extra fine for cooking and canning. It is a vigorous grower, entirely hardy, and an abundant bearer; one of the very best.

\*WYANT.—Large; round, oblong, purple-red, thick skin, which peels readily; flesh firm; a perfect freestone and of excellent quality. Should be more generally planted. Native of Iowa and hardy.

\*WILD GOOSE.—Large; bright red, with purplish bloom, a very good grower; bears early and abundantly; sweet, and of very good quality. Early.

#### EUROPEAN.

MOORE'S ARCTIC.—Medium; purplish-black; juicy and sweet; hardy.

LOMBARD.—Large; greenish blue;



flesh yellowish green; juicy and pleasant. Ripens in August. Tree vigorous. One of the most widely cultivated plums of America. A good annual bearer.

**SHIPPER'S PRIDE.**—Large; nearly round; dark purple, fine, quite juicy, sweet; splendid shipper, profitable for market. Growth moderate; productive. Originated in Northwestern New York.

**COMMUNIA.**—This is a stray from East Europe, introduced by the Communia Colony of Northeast Iowa. A fine grower, with large, perfect foliage, and is an early and continuous bearer of quite large blue fruit, with deep suture and much bloom, which is excellent in quality for any use. On dry soil it will prove quite hardy up to the north line of the state. Budd's description.

**HUNGARIAN PRUNE.**—A very hardy tree and an early and continuous bearer. Fruit of medium size, prune shaped, blue, free stone.

**UNGARISH PRUNE**—A low, spreading tree that has proven hardy on dry ground up to the 43d parallel. Fruit medium in size, with a deep suture, dark blue, with much bloom, a perfect free stone and of high quality when fully ripe, but if tasted when it first colors, is very sour. When fully ripe it has the flavor and quality of the Italian prunelles. Budd's description.

### JAPAN VARIETIES.

**BURBANK.**—Large, nearly round, cherry red, with thin lilac bloom; flesh deep yellow, very sweet, of good quality; very handsome; about three weeks

later than Abundance. Tree a vigorous grower, and early bearer. One of the best orientals.

**ABUNDANCE**—Large, oblong, showy, bright red fruit, with a heavy bloom; flesh orange-yellow, sweet, juicy. Tree a strong, handsome, thrifty grower. Commencès to bear young. One of the first varieties imported, and the best known and most popular Japan kind. For the past few years the demand for trees has far exceeded the supply.

#### APRICOTS.

**ALEXIS**.—Large to very large, with red cheek; slightly acid, but rich and luscious; tree hardy and abundant bearer. July 15th.

**J. L. BUDD**.—Of large size; white, with red cheek, flavor sweet, juicy extra fine; a hardy, strong grower and profuse bearer; the best late variety. August 1st.

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#### THE PEACH.

The north part of Nebraska is not a Peach country, and it is only by painstaking care that we can grow even a limited supply of the better class. The peach prefers a well-drained loam. Cut the shoots back about one-half every spring, to compel dense growth. Give clean culture. We recommend the following sorts, which we think hardy enough to stand without protection in the southern half of Nebraska. Please remember the \* sorts will do best in the greater part of Nebraska.

\***BAILEY**.—An Iowa seedling. Tree dwarfish, spreading willowy habit peach slightly below medium size;

light yellow splashed with red on sunny side, flesh yellow, best quality, small pit, profuse bearer; has proven to be much hardier than any of the old varieties. Worthy of a trial.

\***BOKARA NO. 3.**—Large. Ripens from August 20 to September 10. Free stone; compares favorably with many of the eastern sorts; was introduced from Bokara, Northern China. Appears perfectly hardy, having stood the test of the last ten years in Iowa. They took first premium at the World's Fair as the best peach for the west.

**CROSBY.**—Medium; rich orange yellow, with blush; free stone, pit small, flesh yellow, juicy and sweet; tree low, spreading, willowy habit of growth; perfectly hardy in a peach country.

**ELBERTA.**—Large, yellow, with red cheek; excellent quality; flesh yellow and melting; free stone; not so hardy as the above. September

**ALEXANDER.**—Large size, well grown specimens measuring eight inches in circumference, handsome and regular in form, with deep maroon shade, covered with the richest tint of crimson; rich and good in quality with a vinous flavor; adheres to the stone; should remain on the tree until fully ripe. July.

**EARLY RIVERS.**—Large, light straw color, with delicate pink cheek; flesh juicy and melting, with very rich flavor. First of July.

**HALE'S EARLY.**—Fruit medium size, skin clean, smooth, white, delicately marble with bright and dark red on the sunny side; flesh very melting, juicy and high flavored. July 10th to 20th.

**HEALTH CLING.**—Large, oblong,

creamy white, slightly tinged with red in the sun, very tender, juicy, melting, very rich and luscious. September 15th.

**HILL'S CHILI.**—One of the most reliable, and hardy, fruit above the average size, quality good.

**SALWAY.**—Fruit large, roundish, deep yellow with a deep marbled brownish red cheek, flesh yellow, firm, juicy, rich and sugary; a new English variety; a late showy market sort; free. Last of September.

**WAGER.**—Very large, yellow, more or less colored on sunny side, juicy and of fine quality; free. First to the middle of August. One of the best for the North.

**\*WRIGHT.**—Originated in Nebraska. Similar to Bailey. A good one for Nebraska.

**\*DUNN'S FREE.**—Grown from seed by Mr. Dunn, at Blair, Nebraska. Fruit large, partly covered with light and dark red, quality unsurpassed; rich and melting. Tree appears hardy in central Nebraska. An early and annual bearer which proves the bud hardy. This bids fair to be the coming peach in central Nebraska.

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### GRAPES.

Everyone may have an abundance of this healthful fruit. The grape is at home in the west. In our deep soils, bright sun and dry atmosphere, it attains its highest perfection. There is scarcely a yard so small, either in city or country, that room for a dozen or more vines cannot be found, furnishing an abundance for family use. To grow grapes successfully, plant in rich, dry soil.

## BLACK GRAPES.

\*CONCORD.—Bunches large, berries large, round; skin thick and covered with bloom; flesh juicy, sweet. Vine very hardy, vigorous and productive; at present the most popular of all our native sorts.

CHAMPION.—Bunches compact; berries medium, covered with rich bloom, vine a strong and healthy grower and a good bearer, profitable for market on account of its earliness. Quality poor.

\*CLINTON.—Bunches medium size, compact shouldered, berries small, flesh acid vinous flavor. Vines hardy, vigorous, productive; fruit improves by hanging on the vines; favor wild grapes in vine and in fruit.

HERBERT.—Bunch large, compact; berry large, tender, sweet and rich, early and productive; a handsome variety. Must be covered in winter.

IVES.—Hardy and productive; valuable for market on account of its earliness; quality poor.

MOORE'S EARLY.—A large, black grape of the Concord type, the entire crop ripening before the Concord; bunch medium, berries large with blue bloom; flesh pulpy, of medium quality. Vine hardy, moderately productive, better as it attains age. Planted extensively as a market sort.

\*WORDEN.—This variety is a seedling of Concord, which it greatly resembles in appearance and flavor, but the berries are larger, the fruit is better flavored and ripens several days earlier.

## RED GRAPES.

AGAWAM.—Large, round, early, and of great vigor of growth; rich, high,

peculiar aromatic flavor; very desirable; should be covered in winter.

**BRIGHTON.**—A cross between Concord and Diana Hamburg; bunches large, berries of medium size; flesh sweet, tender, and of the highest quality; ripens early; purple; should be covered in winter.

**DELAWARE.**—Still holds its own as one of the finest grapes; bunches small, compact; shouldered, berries rather small, round; skin thin, flesh very juicy, without any hard pulp; an exceedingly sweet, spicy and delicious flavor; vine moderately vigorous; very productive, should be covered in winter.

**WYOMING RED.**—A very early, medium size, red variety; bunch small but compact; skin bright red, sweet; very agreeable were it not for the slight foxy odor apparent when first gathered should be covered in winter.

#### WHITE GRAPES.

**\*ELVIRA.**—Ripens about with Catawba; a very strong, healthy and robust grower, very productive; bunch and berry of medium size and very compact; quality medium.

**EMPIRE STATE.**—(Rickett's.) A seedling from Hartford Prolific, fertilized with the Clinton; bunches large, long, shouldered; berry medium to large; flesh tender, juicy and rich, with a slight native aroma; ripens very early and continues a long time in use; should be covered in winter.

**GOETHE.**—(Rogers' No. 1.) This is for the West decidedly the best of all the Rogers' Hybrids. Pale red, with beautiful bloom when fully ripe; thin skin, tender pulp, very juicy, sweet and delicious; ripens after Concord;

very fine for market and table; does better when covered in winter.

\***GOLDEN POCKLINGTON.**—Is a seedling from Concord; vine hardy, both in wood and foliage: strong grower; called a white grape but the fruit is a golden yellow, clear, juicy and sweet to the center, with little or no pulp; bunches very large, sometimes shouldered; berries round, very large and thickly set; quality, when fully ripe, much superior to Concord; ripens with the Concord; perfectly hardy.

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### MULBERRY.

**RUSSIAN.**—Valuable for hedges and wind break around orchards and fruit plantations, as it bears every year, ripening constantly nearly all summer, thus feeding the birds so needed

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### JUNEBERRY.

\***DWARF.**—Grows four to six feet high, bunches out from the ground like currants; resembles the common Servis or Juneberry in leaf and fruit, but the fruit is larger, and in color almost black; commences to bear the second year after transplanting, and bears profusely. No farm or garden should be without this most excellent dessert.

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### NUT TREES.

**BLACK WALNUT.**—This is the most valuable of all our timber trees for planting; a moderate grower, producing a large nut. The timber enters more largely into the manufacture of furniture and cabinetware than almost any other, and is prized almost

with mahogany.

**CHESTNUT.**—(American.) Our native species; smaller than the Spanish, but sweeter; moderately hardy.

**BUTTERNUT.**—(White Walnut.) A fine native tree, producing a large, longish nut, which is prized for its sweet, oily, nutritious kernel.

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### BLACKBERRIES.

Plant in rich soil and a little shade, among trees, or on north side of trees or fence, if possible.

\***SNYDER.**—Medium in size, sweet and good; strong grower, very productive, extremely hardy; has fully proven its value, and should be universally planted.

**STONE'S HARDY.**—It is a vigorous grower; berry glossy black and of good flavor; a little later than Snyder.

**TAYLOR.**—One of the largest Blackberries grown; fruit of the best quality, melting and without core; very productive; nearly as hardy as the Snyder, which renders it very valuable.

**DEWBERRY.**—(Lucretia.) This is the finest of its class, one that has proved successful; a strong grower. It is really a new trailing blackberry, easily protected in winter. Set the plants two feet apart in the row; cover in winter with coarse litter and mulch the plants with it in the spring, thus keeping them off the ground.

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### RASPBERRIES.

Plant on strong soil, manure freely, cultivate well or mulch heavily.

**GREGG.**—The leading late Black Cap, and a popular growth sort. Canes



of strong, vigorous growth, and under good culture very productive; berries are large, covered with heavy bloom, firm, meaty and of fine flavor; it requires a good, strong soil to produce the best results; it is not entirely hardy, but suffers during unusually severe winters; it is by far the best late Black Cap, and the largest of any of the old sorts.

**KANSAS.**—Originated in Lawrence, Kansas. It is healthy, vigorous, and not subject to leaf blight; produces strong, healthy tips; fruit large; as fine a berry as Gregg, and a good shipper; ripens just after the Souhegan; very prolific.

**MAMMOTH CLUSTER.**—A well known old variety, yet retained for its high quality and productiveness; rich and juicy, with much bloom; canes strong and vigorous; medium to late.

**\*NEMAHA.**—This fine berry originated in Nemaha county, Nebraska—a seedling of the Gregg, and is almost identical; fruit a little later and of better quality; stands more upright and is much hardier; thus is a better berry for dry praries.

**\*OLDER.**—Originated in Iowa ten years ago, and has stood all our severest winters. Coal black, about as large as Gregg, and five days earlier. A very reliable variety, and productive; stood the drouth of 1894 and 1895 better than any other variety on our plantation, it being the only one to produce a paying crop in 1896; Nemaha was next, however.

**\*PALMER.**—Early, ripening with Souhegan, but larger and more productive; has borne more quarts per acre on our grounds than any other varie-

ty; the canes are hardy and berries of good quality.

**SHAFFER'S COLOSSAL.**—Excellent to dry and can; berry dark crimson in color; does not sucker, but roots from tips like Black Caps.

**OHIO.**—Profitable for evaporating; medium size, sweet, of vigorous growth; earlier than Gregg, and not so seedy.

**YLER.**—(Souhegan.) A leading early market variety, ripening its entire crop in a very short time; medium size, very black, without bloom; flesh firm and sweet; plant vigorous, strong; hardy, but runs out in 5 or 6 years, and should be renewed.

**GOLDEN QUENN.**—Similar to Black Cap, only yellow in color; a curiosity.

### RED RASPBERRIES.

**CUTHBERT.**—(or Queen of the Market). Berries very large, rich crimson, very handsome, and so firm that they can be shipped in good condition; flavor sweet, rich and luscious; should be covered in winter.

**TURNER.**—A beautiful berry, of fine size and excellent quality, one of the hardiest and most productive varieties known.

### STRAWBERRIES.

The Strawberry has been styled the queen of fruits. It is the first to ripen and the quickest to come into bearing. Can be successfully grown on a great variety of soils; responds readily to kindly location and liberal feeding and culture. Every home-builder who fails to have an abundance of this delicious, health giving fruit, misses a chance of great things for little money. The strawberry prefers a cool, moist soil. Not subject to drought; good upland

soil is the best, well enriched.

\*BEDER WOOD.—This has been well tested all over the country, and holds first place as a good fertilizer for most pistillates, and one of the best bearers of excellent fruit of good size and quality; commences ripening early and lasts a long time.

BUBACH.—This is perhaps the most popular of any of the large berries that have been well tested generally over our country; yet in many places of late it has not done very well. With us, it is too soft for a market berry.

\*CAPTAIN JACK.—Another old standard variety. This is a very good one but of late years it seems more subject to rust, or leaf blight, than any of the above; hence, in hot, dry seasons, it doesn't produce the crop that Wood or Robinson does. You must be careful not to allow plants to set too thick in the row or your fruit will be small and inferior.

\*CRESCENT.—This is an old standard variety we have had for many years. It is still a good one. However, we think the Warfield will give better satisfaction.

GARDNER.—This is a natural production of Iowa; found growing wild in a cedar grove, near the north line of the state. It produces an abundance of pollen; fruit stalks very heavy and strong; plants stocky and large; berry is shaped like Crescent, but very much larger; the average berries will measure from one to one and one-fourth inches in diameter. Bright red in color, and holds its size up to last picking; flavor rich and good; very productive and makes plenty of good, strong plants, very hardy.

**PARKER EARL.**—Under favorable circumstances this is one of the most productive berries, but it sets such an enormous crop of berries that it must have rich soil, high cultivation and plenty of water from blossoming time until fruit is ripe, for it to mature its crop. Handsome, quality good. It makes but few plants, but they are very large. We plant it about 10 inches between plants in the row, and that distance apart makes a good fruit growing row.

**\*ROBINSON.**—This originated in Kansas; one of the best as a fertilizer for the pistillates, as well as producing an excellent crop of berries of good size and quality; plant and foliage very much like Crescent.

**\*WARFIELD.**—We place this at the head of the list of valuable berries because after being well tested over about every state in the union, it is considered one of the best (if not the best) berry grown, all things considered, that go to make a profitable berry. Four rows of this with two rows of B. Wood or Robinson as a fertilizer will produce more good marketable fruit on our grounds than any other we can now name.

### CURRANTS.

Every family should have a good supply of this beautiful, easily grown fruit. Currants love a cool, deep soil, and a little shade. Among fruit trees or along the north side of a fence is a good place. No matter how good the soil, give good cultivation and plenty of manure. The following varieties will give good satisfaction:

**\*VICTORIA.**—Large, bright red; bunches very long; late, very produc-

tive and valuable. This is a standard, very good and reliable currant, and will suit everybody.

\*CHERRY.—Well known; large bright crimson; very acid; an old favorite; one of the largest currants.

\*RED DUTCH.—An old favorite; productive and of good quality, fruit small.

\*FAY'S PROLIFIC.—Very prolific if properly cared for. It is a gross feeder, and requires liberal fertilization. It is healthy, vigorous, and very productive; bunches long, easily picked; commands a high price. Berries large, and hold their size well to the end of the bunch; bright red, of good flavor, and more acid than some.

\*WHITE GRAPE.—Very large, white. This is the very best table variety of currant known, sweet or very mild acid; good grower, hardy, perfectly satisfactory in most respects, and a currant we most heartily recommend for any purpose.

\*WHITE DUTCH—White; medium size; vigorous grower and good bearer; bunches very compact; early. Fruit requires less sugar than some others, and is excellent for jelly.

#### GOOSEBERRIES.

In order to produce large, abundant crops of gooseberries it is necessary to manure heavily and prune closely; they require about the same location, treatment, etc., as the currant.

\*DOWNING.—Fruit very large; flesh whitish green, soft, juicy and good; plant vigorous and prolific; one of the very best.

\*HOUGHTON.—The old well known sort; pale red, quality good. It is

rather small, but a productive, healthy, and very reliable gooseberry.

**SMITH'S SEEDLING.**—Much like the Downing. Strong grower; large berry; productive.

**INDUSTRY.**—Very large; dark red, hairy, of delicious quality. In a cool, rich soil, with a northern exposure, it will yield a few large, luscious berries. It is a little impatient for the hot sun. Not an ironclad.

#### ASPARAGUS.

**\*CONOVER'S COLOSSAL.**—Is the best for general planting, and is largely grown.

**PALMETTO.**—A new variety. Early; is very promising.

#### RHUBARB.

**\*VICTORIA.**—Very large, long stems.

**\*LINNAES.**—Early, tender, and good.

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### ORNAMENTAL DEPARTMENT.

#### SUGGESTIONS TO PLANTERS.

The extremes in temperature in this country are so great, and the changes so sudden, that it is safe only to plant the most hardy ornamental trees and shrubs. The varieties that will grow in the nursery when young without protection in winter may be regarded as safe to plant in parks and extensive grounds and in lawns and small places. Yet a few of the most beautiful sorts are not perfectly hardy and will be greatly benefited by some protection during the severe winters. A judicious selection from the many varieties given in this catalogue will enable the planter to accomplish his desire in securing that which will give him satisfaction both in hardiness and

in effect.

For Lawns and Small Places.—A little more care may be taken in making selections for this purpose, although the selections will depend very much on the size of the ground to be occupied. Where only a few trees and shrubs can be planted, the medium or small growing sorts, and those that display the finest appearance both in foliage and flowers should be used, while on larger places a much more extensive assortment can be planted.

#### DECIDUOUS TREES.

ASH, AMERICAN WHITE.—A medium grower and valuable for planting in the street or in parks; may be extensively planted for timber.

ASH, MOUNTAIN EUROPEAN.—(*Sorbus aucuparia*.) A very beautiful tree of medium size, with an erect stem, smooth bark and round head; covered during the fall and winter with bright scarlet berries, and is universally admired.

ASH, MOUNTAIN AMERICAN.—A tree of rapid, but coarser, growth than the European variety; pinnate foliage.

ASH, MOUNTAIN OAK-LEAVED.—A handsome tree of erect habit and rich green foliage, deeply lobed; hardy and desirable.

BIRCH, AMERICAN WHITE.—A beautiful native tree, common to our woods, particularly in the northern part of the country. Its shining white bark and slender brown branches make it an attractive object; foliage large, handsome.

BIRCH, EUROPEAN WHITE.—A well known tree, with graceful, airy foliage and silvery white bark; very desirable for the lawn, either as a

single specimen or in contrast with other trees in a group.

**BIRCH, CUT-LEAVED WEEPING.**  
—See Weepers.

**CATALPA SPECIOSA**—A variety originating in the west; more upright and symmetrical in its growth than the common Catalpa, and blossoms two or three weeks earlier. Valuable for timber, fence posts, railroad ties, etc., possessing wonderful durability; a very ornamental and valuable tree where hardy.

**CHESTNUT, AMERICAN WHITE.**—  
See Nut Trees.

**CHERRY, WILD BLACK.**—A beautiful, upright, round headed, strong growing tree; slender, glossy leaves: hardy.

**ELM, WHITE.**—(*Ulmus Americana*) A noble spreading and drooping tree of our native forests, peculiarly suitable for avenues and drives, where it is at once useful and ornamental.

**ELM, CAMPERDOWN WEEPING.**  
—See Weepers.

**LINDEN.**—A rapid-growing, large sized tree, with a remarkably straight trunk; deep green, heart shaped leaves, and clusters of fragrant yellow flowers. Will grow almost anywhere: makes a handsome shade tree.

**MAPLE, SOFT OR SILVER-LEAVED.**—Of rapid growth; of great value where a rapid growing tree is desired; very hardy and easily transplanted; a favorite street or park tree.

**MAPLE, NORWAY.**—Spreading, rounded form; foliage large, dark green; a beautiful shade tree.

**MAPLE, HARD OR SUGAR.**—A beautiful, stately tree of fine form;



a desirable shade tree where it does well.

**MAPLE, ASH-LEAVED.**—(Box Elder.) A rapid growing variety, with handsome, light green foliage and spreading head and deep green foliage, a free grower and very desirable as a shade tree. Does better on low land.

**MULBERRY.**—See Fruit Department.

**MULBERRY, TEA'S WEEPING.**—See Weepers.

**OLIVE, RUSSIAN.**—An ornamental tree of special value; attains a height of thirty feet or more; bark and leaves light green when young, bark becoming darker as the tree grows older, and the leaves more silvery white; blooms profusely in June in small racemes, three inches long, and their fragrance, decidedly sweet and spicy; an excellent lawn tree.

**POPLAR, SILVER LEAVED.**—A tree of remarkably rapid growth; at a distance the white under surface of the leaves turned up to the wind gives it somewhat the aspect of a tree covered with white blossoms.

**POPLAR, LOMBARDY.**—Very upright; a beautiful tree if headed back.

**POPLAR, CAROLINA.**—Of good form and robust growth, and desirable where a very large tree is required; a beautiful lawn tree if cut back to 8 or 10 feet.

**WALNUT, WHITE OR BLACK.**—See Nut Trees.

#### WEEPING TREES.

**BIRCH, CUT-LEAVED.**—An elegant, erect tree, with slender, drooping branches and fine cut leaves; a magnificent variety and worthy a place on

every lawn; hardy.

**ELM, CAMPERDOWN.**—Its vigorous, irregular branches, which have a uniform weeping habit, overlap so regularly that a compact, roof-like head is formed; the finest Weeping Elm.

**MULBERRY, TEA'S.**—A graceful and beautiful hardy tree, forming a perfect umbrella-shaped head, with long, slender, willowy branches, drooping to the ground and graceful swaying in the wind; foliage small, lobed, and of a delightful, fresh, glossy green. The tree is exceedingly hardy, of rapid growth and abundant foliage; it is admirably adapted to cemetery planting and susceptible of being trained into almost any shape.

**MOUNTAIN ASH.**—A beautiful tree, with straggling, weeping branches; makes a fine tree for the lawn; suitable for covering arbors; hardy.

**WILLOW.**—Our common and well known Weeping Willow.

**WILLOW, KILMARNOCK.**—An exceedingly graceful tree, with large, glossy leaves; one of the finest of this class of trees.

**MAPLE WEIRS.**—A handsome, cut-leaved weeping tree, of the maple variety; hardy.

#### SHRUBS.

**ALMOND, FLOWERING.**—Dwarf, double rose and white flowering. Beautiful shrubs with small double, rose and white blossoms, closely set upon the twigs before the leaves appear; white and pink.

**BERBERRY, COMMON.**—A nice shrub, with yellow flowers in drooping racemes in May or June, and followed with orange scarlet fruit.

**BERBERRY, PURPLE LEAVED.**—

An interesting and beautiful variety, with violet purple leaves and fruit. A splendid hedge plant.

**CALYCANTHUS.**—Sweet scented shrub; an interesting shrub, having a rare and peculiar fragrance of wood and flowers; its blooms are abundant and of a peculiar chocolate color.

**HONEYSUCKLE TREE.**—A well known shrub whose bright pink flowers appear in May.

**HYDRANGEA.**—(*Paniculata grandiflora.*) A fine shrub of recent introduction, blooming from July to November; large, showy panicles of white flowers in the greatest profusion; it is quite hardy and altogether a most admirable shrub for planting single on the lawn or in the margin of masses; to produce largest flowers, it should be pruned severely in the spring and the ground enriched. Perfectly hardy.

**LILAC, PERSIAN.**—Native of Persia; from four to six feet high, with small foliage and bright purple flowers.

**LILAC, COMMON PURPLE.**—Blueish purple flowers.

**LILAC, WHITE.**—A beautiful variety; has very large, pure white panicles of flowers.

**SNOWBALL.**—A well known, favorite shrub, of large size, with globular clusters of pure white flowers, the latter part of May. For best effect, trim into a round ball-shaped bush.

**SPIREA, VAN HOUTII.**—Graceful; with long drooping sprays, studded thickly with handsome, pure white flowers, hence the name "Bridal Wreath." The grandest of all.

**CALLOUSA, ALBA.**—(Fortune's)

Dwarf White Spirea. A white flowering variety of dwarf habit; very fine; keeps in flower all summer.

SPIREA, REEVESII.—(Lance leaved Spirea.) A charming shrub with narrow, pointed leaves and large round clusters of white flowers that cover the whole plant. Blooms in May.

SPIREA, BULLARDI.—Rose colored, blooms nearly all summer.

TAMERIX AMURENSIS. — (Russian.) A very rapid growing, handsome shrub; should be in every yard.

#### VINES AND CREEPERS.

CLEMATIS, JACKMANNI.—A very profuse blooming variety, with flowers from four to six inches in diameter, of an intense violet, purple color, borne successively in continuous masses on the summer shoots.

CLEMATIS, HENRYI.—New and one of the best perpetual hybrids, of a robust habit, and a very free bloomer. The flowers are white, large and very showy. July to October.

CLEMATIS, VIRGINIA.—One of the most rapid growing kinds, covered in August with the greatest profusion of pale white, fragrant flowers, which are succeeded by brown, hairy-like plumes; very beautiful and unique.

HONEYSUCKLE, YELLOW TRUMPET.—A well known variety with yellow trumpet flowers.

HONEYSUCKLE, SCARLET TRUMPET.—This and its varieties are the handsomest in cultivation; it is a strong, rapid grower, and produces scarlet inodorous flowers all summer.

HONEYSUCKLE, HALLIANA. — (Hall's New.) Nearly evergreen; flower pure white, changing to yellow, producing abundantly; fragrant like a

jessemine; the best bloomer of all.

**AMPELOPSIS, QUINCIFOLIA.** — (Virginia Creeper.) A native vine of rapid growth with large luxuriant foliage which in autumn assumes the most gorgeous and magnificent coloring, perfectly hardy; the best climber for Nebraska.

**WISTERIA.** — A most beautiful climber of rapid growth, and producing long pendulous clusters of pale blue flowers; when well established makes an enormous growth, is very hardy, and is one of the most superb vines ever introduced.

### ROSES.

They will repay good treatment. Feeble sod-bound plants, cannot give free bloom. Mulch well with manure. All Roses in this climate are benefited by being laid down and covered in winter.

### CLIMBING ROSES.

Nothing can cover an arbor or veranda or form a more beautiful screen for an unsightly object, so charmingly as a climbing rose; needs but one planting, and increases in beauty as years go by.

**BALTIMORE BELLE.**—Pale blush, shading to rose-color; very double; flowers in beautiful clusters, the whole plant appearing a perfect mass of bloom. One of the best climbing roses, but must be protected in winter.

**PRAIRIE QUEEN.**—Clear, bright carmine pink, sometimes with a white stripe; large, compact and globular; very double and full; blooms in clusters; the best hardy climber in this climate.

**SEVEN SISTERS.**—Blooms in large clusters, with flowers varying from:

white to crimson; dark green foliage; should be protected.

**CRIMSON RAMBLER.**—New, promises well, must be covered in winter. Rose large, full and beautiful crimson color. Each cluster a bouquet.

#### YELLOW ROSES.

**HARRISON'S YELLOW.**—A beautiful, small, yellow, June rose, perfectly hardy.

**PERSIAN YELLOW.** — Perfectly hardy; flowers double and full, deep golden; blooms very freely in June. The finest hardy yellow Rose grown, and not supplanted as yet by any modern introduction.

#### HYBRID PERPETUALS.

These are hybrid crosses between June and monthly roses, partaking of the hardiness of one parent and the perpetual blooming habits of the other. They are by far the most popular family of roses, seeking good soil and culture, as they can only bloom on new shoots of the current season. Cutting off the seed pods and freely manuring, after first crop, will insure better blooms later in the season.

**COQUETTE DES ALPS.**—White, lightly shaded with carmine; of medium size; a free bloomer.

**GENERAL JACQUEMINOT.**—This might be called the rose for the million, for it is still a universal favorite. Bright crimson scarlet, exceedingly rich and velvety. Grown more extensively than any other rose; one of the hardiest.

**GENERAL WASHINGTON.**—Color brilliant crimson; very rich and beautiful; large, perfectly double, and a free bloomer.

**MADAME CHAS. WOOD.**—One of

the most beautiful Hybrid Perpetual Roses ever introduced. The flower is extra large, full and double; color deep rosy crimson, sometimes brilliant scarlet, with maroon shading; blooms soon after planting out and continues to bloom all summer.

**FISHER HOLMES.**—Bright red, beautiful, double; free bloomer.

**JOHN HOPPER.**—Rose with crimson center, splendid, fragrant and very desirable.

**MAGNA CHARTA.**—A splendid sort; bright clear pink; flushed with violet crimson; very sweet; flower extra large, fine form; very double and full; a free bloomer.

**MAD. PLANTIER.**—Pure white; large, very double flower, perfectly hardy; suitable for hedge planting; foliage small, blooms early; one of the very best white roses.

**PAUL NEYRON.**—Flowers of immense size, often five inches in diameter. Color deep, clear rose, very fresh and pretty. The plant is a strong, healthy grower, with clean, glossy foliage, and one of the most constant and prolific bloomers in the Hybrid class; young plants in the nursery rows bloom almost without intermission from June to late October.

**PEONAE ROSEA.**—Large reddish pink; very often resembles the Peonae in form; a good rose.

#### MOSS ROSES.

The Moss Roses are strong growers and perfectly hardy. They remain in bloom a long time, and are greatly prized for their beautiful mossy buds.

**COUNTESS OF MARINAIS.**—The finest white Moss Rose, large, beautifully mossed.

**GLORY OF MOSSES.**—Pale rose, very heavily mossed; one of the best Moss Roses in cultivation.

**LUXEMBOURG.**—Large, cupped, fine purplish crimson; a luxuriant grower and free bloomer.

### PEONAES.

**ROSA FRAGRANS.**—Deep rose, double, large and fragrant; beautiful; the most reliable of all; free bloomer.

**POTTRIC.**—Crimson, not very full; double and fine color.

In addition to the above we have light and dark pink, cream and white.

### BULBS.

**DAHLIAS.**—(Double.) Well known autumn flowering plants, growing from two to five feet high, and producing a profusion of flowers of the most perfect and beautiful forms, varying in color from the purest white to the darkest maroon.

**YUCCA.** — (Filiamentosa.) This beautiful and interesting plant should be in every collection. So hardy that it is almost an evergreen. It grows in clumps, and when about to bloom throws up a flower stock from three to four feet in height, from which hang from 100 to 200 creamy-white, bell-shaped flowers. It remains in bloom a long time.

### EVERGREENS.

A few varieties of Evergreens, judiciously selected and properly planted, will prove perfectly hardy and very satisfactory.

**AUSTRIAN, OR BLACK PINE.**—(Austriaca.) A native of the mountains of Syria; a rapid growing species, with long, stiff, dark green leaves; very hardy. Does well on the high prairies.



**SCOTCH PINE.**—(P. *Sylvestris*.) Native of the British Islands, very rapid in growth; "a dark, tall evergreen," with bluish foliage and rugged shoots; hardy, and grows well even in the poorest soils.

**WHITE PINE.**—(Strobus.) The most ornamental of all our native pines; foliage light, delicate or silvery green; flourishes in the poorest soils.

**NORWAY SPRUCE.**—A lofty, elegant tree, of perfect pyramidal habit, remarkably elegant and rich; and as it gets age, has fine, graceful, pendulous branches; it is exceedingly picturesque and beautiful.

**WHITE SPRUCE.**—A tall tree, with compact branches and light green foliage.

**ARBORVITAE.**—This is one of the finest medium-sized evergreen trees; one of the best and most available of the evergreens for screens. It is a native of the coldest part of the country, and there are few places where it will not thrive. Used more than any other variety for ornamental hedging. By the proper use of the knife and shears it can be made to grow into almost any desirable form.

**BALSAM FIR.**—A very regular, symmetrical tree, assuming the conical form even when young; leaves dark green above, silvery beneath; very ornamental while young.

**RED CEDAR.**—(Glacious Juniper.) The compact, conical habit of this variety, combined with its silvery foliage, renders it very distinct; desirable for wind breaks; perfectly hardy.

**SWEDISH JUNIPER.**—A small-sized handsome, pyramidal tree, with yellowish green foliage.

SAVIN JUNIPER.—A low, spreading tree, with handsome dark green foliage; very hardy; and suitable for rock work and low hedging.

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## WESTERN AND ROCKY MOUNTAIN.

COLORADO BLUE SPRUCE.—(Picea pungens.) This species has been tested at various points on the prairies of the west and northwest with perfect success; this is not only one of the hardiest, but the most beautiful in color and outline; foliage of a rich blue or sage color. It is a valuable acquisition.

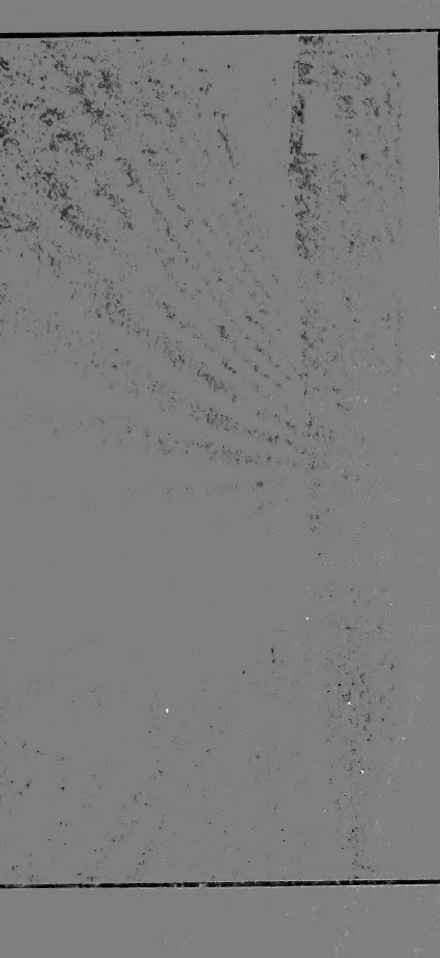
BLACK HILLS SPRUCE.—A very compact, slow-growing tree, dark green, beautiful, perfectly hardy on the prairies; splendid where a small tree or low wind break is desired.

DWARF MOUNTAIN PINE.—(Mughus.) A very distinct species; leaves short, stiff, a little twisted, and thickly distributed over the branches; does not grow large, but spreads over the ground, generally assuming a globular form; very dense.

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## LIST FOR HEDGES.

EVERGREENS	DECIDUOUS PLANTS
Arborvitae.	Barberry, common.
Red Cedar.	“ purple leaf.
Black Hills Spruce.	Osage Orange.
Norway Spruce.	Russian Mulberry.
	Tamarix Amurensis
	Honey Locust.



# THE ARLINGTON NURSERIES

## AND FRUIT FARM

Were awarded gold medal on Fruits at the Trans-Mississippi Exposition at Omaha in 1898; also a number of first and second premiums at the Paris Exposition in 1900; and the highest award on Apples at the Pan-American Exposition, Buffalo, in 1901.

12,000 Quarts of Raspberries

20,000 Quarts of Blackberries

5,000 Baskets of Grapes,

Are not uncommon yields of the vineyards and small fruit plantations during a single season.

Also, in connection with the business are orchards of—

4,000 Bearing Apple Trees.

1,000 Bearing Cherry Trees.

500 Bearing Plum Trees.

500 Bearing Peach Trees.