## Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

##  <br> 




## READ AND HEED.

Terms: Cash with order, or C. O. D. On C. O. D. orders we must have a deposit with your Express Agent of one-fourth the amount of the bill. Send his receipt for the deposit.

No charge for boxing or cartage.
Write your letter on one sheet of paper, your order on another.
Write plainly the name of the article you want, giving number, size, and price in figures according to catalogue.

No order accepted for less than $\$ 1$.
Write your name, post office, state, Express office or station very plainly. We don't like to look at flourishes and guess at names.

Don't order one size of trees and send price of a smaller size.
Don't order any varieties or sizes not on the list.
Don't order trees to arrive at a specified time. We cannot control the running of arilroad trains. Send your order early enough and you will get them in time.

## TO OLD CUSTOMERS.

We wish to hear from every customer who has honored us with an order. No effort will be spared to merit a continuance of your patronage, and we shall always strive to make your dealings with us both pleasant and profitable.

## SHIPPING.

We make shipments by railroad from Green Bay, Wis., reaching all points in the west at the same rates of freight as is charged from Chicago, and usually making better time. To points east and south of Chicago the rates are a trifle more than from Chicago, and about two days longer time on the road.

Shipments usually go safely by freight.
The cost is considerably less on packages weighing fifty pounds or more, but on smaller packages, the charges by express are but little if any more than by freight.

Season for Shipping. Our shipping season-that is to commence digging and shipping-usually begins about April 15th, and continues until June 1st.

Early Shipment can be made from stock in our frost-proof cellars. By confining orders to stock marked with a ( ${ }^{*}$ ) we can ship at any time directed until our supply is exhausted. Orders for winter shipments are packed in paper-lined packages, and every possible precaution taken to have the plants go through safely. Express or mail is safest for winter shipments.

Transportation. In furnishing trees, etc., at the prices in this list we wish it distinctly understood that we cannot be responsible for accidents of transportation. All articies after leaving the Nursery in good condition, are entirely at the risk of the purchaser. Except in cases of accirlents, or gross carelessness, our packages wili endu:e the longest journey safely.

Under orlinary circumstances, customers ought to receive their goods in from one to two weeks (when going out of this state) from date of shipment. One hundred miles per day is about the average movements of freight, and one day for each transfer from one road to another.

Executing Orders. We endeavor to execute all orders promptly and as nearly as possible in rotation as received. The shipping sea-
son brings with it an unusual number of items to be looked after: notwithstanding we have a largely increased force of men, orders are liable to be delayed occasionaly, but not often.

Early Orders are always desirable. In the eawly pait of the season we can supply all of the varieties named on our list, but as the season advances some varieties become exhausted.

Substitutions. In cases where varieties or sizes are ortered that we have sold out, unless otherwise instructed, we will send that which will fill their places as nearly as possible.

Club Orders. If several club together in one order, and have all shipped in one box, they will make considerable saving in freight, and by having the trees bulked in one lot, and sent to one person who will divide them up, a great saving can be made by getting the trees at 1,000 or 10,000 rates.

Complaints. Occasionally errors occur in the transaction of the thousands of details incidental to our business, but we are always ready to rectify them on proper proof, but must be informen just what the trouble is within the limited time printed on invoices sent. If you ever have occasion to complain, always state the case plainly. giving the date when the order was sent, number of order, the amour.t sent, and what was ordered,

## TERETIS.

Invariably cash or satisfactory security before shipment of stock.
No order sent C. O. D. unless the order amounts to $\$ 5.00$ or more, and one half the amount of the order be deposited with your express agent, and his receipt for the deposit sent with the order:

Express Purchasing Agency. One of the most satisfactory methods of getting small lots of trees or plants is to have the express company purchase them for you,

Makeout a list of the trees, etc. you want, with prices annexed, hand it with the money to your express agent and tell him to have the American Express Co. at Green Bay, Wis., purchase them for you, when the goods arrive, examine them and if there is anything short tell him to pay for what you get. It will cost you nothing except the express charges on the goods.

Remittances may be made by Money Order on Erergreen Wis., Registered Letters, Express Order, or Bank Draft on Chicago or New York. Don't send personal check. Money order preferred. Customers must take the risk of loss in the mails of money sent by Postal Notes, Postage Stamps or bills in ordinary letters.

## WEIGHT OF TREES.

The weight of 1,000 trees, packed for shipment, is usually about as follows: 3 to 4 inches, 10 lbs ; 4 to 8 inches, 15 lbs ; 8 to 15 inches, 25 to 50 lbs.; 15 to 24 inches, 250 to 500 lbs .; 3 to 5 feet, 1,000 to $1,500 \mathrm{lbs}$.

## TREESBYMAIL

Customers desiring their trees sent by mail will add to the list prices the following amounts to pay postage and extra packing:


## PRICE LISTS.

All seedlings of Evergreens not designated as "Wild" are grown frcm the seed in the Nursery. Fifty trees will be furnished at 100 rates, 500 at 1000 rates. and 5,000 at 10,000 rates. Don't orde' any sizes or varieties not named on these lists, and always specify the sizes just as given in the lists.

No order accepted for a less amount than $\$ 1.00$. ' Trees marked with an "*" are in cellar and can be shipped during the winter. No charge for boxes where cash is received before shipment is made.

## EVERGREENS. STANDARD SORTS, IN LARGE QUANTITIES.




## RARE AND CHOICE VARIETIES.

(Only a limited supply in stock.) -
Sorts marked with a "T", are not hardy in the Northern states. Those marked "HT" are hardy except in the most northern states. All others are supposed to be entirely hardy.Each 10
Alba, aurea, golden leaves, white tipped, 12 inches 8100 ..... 8100 8...
nivea, silvery white, 8 to 12 inches 75
Alcockiana, 4 to 8 inches. HT ..... 150
Brachteata, leaf-covered cones, 8 to 12 inches ..... $75 \quad 600$


## GORREGTION • SHEET.

The enclosed list may be used in making fall orders, by observing the following corrections.

## ADD TO THE LIST THE FOLLOWING: EVERGREENS.

Arbor Vitae, American, transplanted, 2 ft .

1,000
10,000
Arbor Vitae, Chinese Compact, transplanted, 3 to 5 in....... 05400
Arbor Vitae, Chinese Compact, transplanted, 8 to 12 in ....... $10 \quad 750$
Arbor Vitae, Chinese Golden, transplanted, 3 to 5 in............ 03
Fir, Balsam, transplanted, 2 to $3 \mathrm{ft} . . . . . . . . .$.
Fir, Colorado Silver, transplanted. 6 to 8 in....................... 10
Pine, Scopulorum, transplanted, 6 to 8 in .......................... 10
Pine, Scopulorum, seedlings, 10 to 18 in
10
Pine, Scotch, seedlings, 12 to 16 in ........................................
Pine, Scotch, transplanted, 3 to 4 ft
ち
Pine, White, seedlings, 8 to 12 in
25
Pine, White, transplanted, 10 to 15 in
Spruce, Mountain, transplanted, 12 to 20 in .
15
15

## DECIDUOUS TREES.

| h. American White, transpla | 50 | 200 | 1500 |
| :---: | :---: | :---: | :---: |
| Ash, American White, seedlings, 12 to | 50 | 200 |  |
| Asin, European, transplanted, 4 to 6 in | 50 | 200 | 1500 |
| Basswood, American, transplanted, 4 to |  |  |  |
| Basswood, European, transplanted, 4 to 6 in | 02100 | 750 |  |
| Beech. American, transplanted, 10 to 15 in | $02 \quad 100$ | 750 |  |
| Beech, European, transplanted, 18 to 24 in | 10 \% 50 |  |  |
| Birch. American, transplanted, 8 to 15 i | 50 | 300 |  |
| Catalpa, Speciosa, transplanted, 2 to 3 ft | $10 \quad 750$ |  |  |
| Catalpa, Speciosa, transplanted, 3 to 5 ft | $15 \quad 1250$ |  |  |
| Chestnut, Spanish, transplanted. 4 | $05 \quad 350$ |  |  |
| Coffee Tree, transplanted, 8 to 15 in | $10 \quad 750$ |  |  |
| Elm, American White seedlings | 03150 | 1000 |  |
| Larch, American, transplanted, 12 to 20 | $05 \quad 250$ | 2000 |  |
| Larch, European, transplanted, 4 to 6 in | $02 \quad 150$ | 1000 |  |
| Larch, European, seedlings, 18 to | 03200 | 1500 |  |
| Locust, Black, seedhings | $05 \quad 350$ |  |  |
| Locust, Black, seedlings, 3 to 4 ft | $10 \quad 750$ |  |  |
| Locust, Honey, transplanted, 4 to 8 in | $03 \quad 200$ | 1500 | 12500 |
| Locust. Honey, transplanted, 15 to 24 in | 05400 | 3500 |  |
| Mountain Ash. American, transplanted. 12 to 20 in | 151000 |  |  |
| Mountain Ash, American, transplanted, 2 to 4 ft | $25 \quad 2000$ |  |  |
| Mountain Ash, European, seedlings, 12 to 20 in | $02 \quad 150$ | 1250 |  |
| Mountain Ash. European, transplanted. 2 to 3 | $15 \quad 1250$ |  |  |
| Oak. American Red, transplanted, 6 to 12 in. | 10 ¢ 50 | 5000 |  |
| Poplar, Lombardy, transplanted. 15 to 24 in | $05 \quad 350$ |  |  |
| Poplar. Silver Leaf, transplanted, 6 to | 55300 |  |  |
| Plane Tree. transplanted, 4 to 8 in | 02150 | 1250 |  |
| Walnut, Black, transplanted, 2 to 4 ft | $05 \quad 350$ | 3000 |  |
| Willow. Wisconsin Weeping, transplanted, 12 to 18 in | 05350 |  |  |
| Willow, Wisconsin Weeping, transplanted, 18 to 24 in | $10 \quad 750$ |  |  |
| Willow, Wisconsin Weeping, transplanted, 6 to 8 ft | 252000 |  |  |
| Apple, seedlings, 2 to 4 ft ........................... | 03200 | 1000 |  |
| Beech, Purple, transplanted, 2 to 3 ft | $20 \quad 1500$ |  |  |
| Blackberry, Stones Hardy | $10 \div 50$ |  |  |
| Fiblert, English. 2 to 4 | 10 |  |  |
|  | 10 |  |  |

## STRIKE FROM THE LIST THE FOLLOWING: EVERGREENS.

Arbor Vitae, Variegated, 3 to 5 inches
Arbor Vitae. Weeping, ..... 2 to 4
Spruce, Black, seedlings. ..... 6 to 10
Spruce, Hemlock, transplanted, ..... 4 to 8
Spruce, White, transplanted ..... 8 to 12
Spruce, White, transplanted, ..... 12 to 15
DECIDUOUS TREES.
Ailanthus, all sizes.
Basswood, American, transplanted,............................................. 4 to 8 inches.
Basswood, European, seedlings, ..... 4 to 6
Basswood, European, transplanted, ..... 4 to 8
Basswood, European, transplanted, ..... 8 to 12
Box Elder, seedlings ..... 4 to 8
Chestnut. Horse, transplanted, ..... 12 to 20
Maple, Norway, transplanted' ..... 4 to 8
Maple, Soft Silver, transplanted, ..... 8 to 12
Maple, Soft Silver, transplanted ..... 12 to 18
Maple, Soft Silver, seedlings, ..... 18 to 24 and 12 to 18
Mulberry, Russian, transplanted, ..... 12 to 15
Poplar, Lombardy, transplanted, ..... 6 to 12
Plane Tree, American, transplanted, ..... 2 to 4 feet.
Plane Tree, American, transplanted, ..... 4 to 6 feet.
Tulip, transplanted, ..... 3 to 5 inches.
Walnut, Black, transplanted, ..... 8 to 15
Walnut, English, transplanted, ..... 2 'to 3 feet.
Box Dwarf,
Buckthorn,
Pear for budding
Serviceberry, European.
Barberry, Evergreen,
Daphne Laureola,
Hydrangea, Thos. Hogg,
Laurel, Mountain,
Maiden Hair Tree, ..... $31 / 2$ feet.
Oleander,
Rose of Sharon,
Snowball,



|  | RARE AND CHOICE VARIETIES，CONTINUED． TAXUS，Yew． | Each | 10 |
| :---: | :---: | :---: | :---: |
| ＊Adpressa | ，Flat Head Yew， 20 to 30 inches，HT | 100 |  |
|  | stricta，Erect Yew， 8 to 15 inches，HT | 35 | 250 |
|  |  | ว็ |  |
| Baccata， |  | 30 |  |
|  |  | 30 |  |
| ＊$\quad$－ | Pendula，Weeping Yew． | 10 |  |
| ＂ | legantissima，Elegant Yew， 4 to 8 in | 50 | $\mathrm{i}^{3}$ |
| ＂ | Fastigiata，Irish Yew， 5 to 10 inche | 2） | 150 |
| ＂ | aurea，Golden lrish l ew， 6 to 10 | 20 |  |
| ＊＂ | argentca，Silver Irish Yew， 5 to 10 | 20 | 50 |
| ＊${ }^{\text {c }}$ | fructea lutea．Yellow－fruited Yew， 4 to 8 | 35 | 250 |
| ＊${ }^{\text {a }}$ | variegata aurea．Golden Variegated． 6 to | 25 | 150 |
|  | argentea．Silver Variegated， | 75 |  |
| ＊Brevifol | ，Great Northwestern Yew， 8 to 12 | 50 |  |
| ＊Imperia | s，Imperial Yew， 8 to 12 inches，HT | 30 | 250 |
| ＊Washintonia，durea rariegata．Goiden Variegated， 18 to 24 inches ．．．．．．．－ 75 ．．．． <br> THUYA，American Arbor Vitæ． |  |  |  |
|  |  |  |  |
| ＊Argentea，variegata，Columbian Arbor Vitæ， 8 to 12 inches，variegated．． 7500 |  |  |  |
|  | ＂ 18 inches， | 125 |  |
|  | mpact folden， 6 |  | 50 |
|  |  |  |  |
| Eiwangeriana，Tom＇Shumb Dwarf， 6 to 10 inches <br> Hoveyi，globosa，Hovey＇s Globe， 6 to 12 inches． |  |  |  |
|  |  |  |  |
| Nana，pendula，Dwarf Weeping， 3 to 6 inches．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 150120. |  |  |  |
|  |  |  |  |
| ＊Verraneana，Golden Variegrated， 12 to 18 inches．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．－． 50. |  |  |  |
| Wareana，Siberian， 18 to $2 f$ inches |  |  |  |
|  |  |  |  |
| THUIOPS1S，Japan Arbor Vitæ． |  |  |  |
|  |  |  |  |
| ＊＊．pendula，Weeping Nootka Sound Cypress， 4 to 8 inches．．．．．．．．． $25 \quad 150$ |  |  |  |
| ＊Dolobrata，variegata，．Variegated White， 8 to 1 jinches．．．．．．．．．．．．．．．．．．．．．．．． 50400 latovirens，Dwarf Japan Arbor Vitae， 4 to 8 inches． |  |  |  |
|  |  |  |  |
| TORESEA，I＇seudo－Xew． |  |  |  |
|  |  |  |  |
| ＊＂taxifolia，Yew－leaved， 8 to 12 inches．T．－．．．－．．．．．．．．．．．．．．．．．．．．．．． 100 |  |  |  |
| ＊Nucifera， | ，Florida Sharp－leared． 4 to 8 inche | do |  |

## DECIDUOUS TREES <br> SMall seedrings at low prices， <br> SUITABLE FOR TREE CIAIMS AND FOPEST CULTURE．

Varieties marked with an（＊）are in celiar and can be sent at any time．Non＇t you forget it，no charge for boxes where cash is received before shipment．（Sie the next list for larger sizes．）

VAKIETIES．
$1,000 \quad 19,000$
100000

| VAkieties． | 1，000 | 10，000 | 100000 |
| :---: | :---: | :---: | :---: |
| ＊ASM，Blue，seedlings， 4 to 8 inches | \＄1 50 | \＄12 50 | 孚，1：10 |
| ＂＂＂8 to 15 inches． | 250 | 2000 |  |
| ＂＂＂ 15 to 2ifinches | 400 | 3000 | と－） 0 |
| ＂Am．White， 4 to 6 inches | 100 | 800 | Fi）（1） |
| ＂＂＂ 6 to 12 inches | 150 | 1250 | 1600 |
| Earop．＂ 4 to 6 inches． | 150 | 1250 |  |
| HAEME GIECAD， 15 to 21 inches． | 500 | 4000 | 3300 |
| ＊Seech，Am．White， 4 to 8 inches． | 150 | 1009 | 行（\％） |
| GIRCH，Am，＂tack， 8 to 15 inches | 350 | 3000 | 20 （1） |
| SIMCH，Am．Black， 4 to 8 inches． | 150 | 1000 | $\cdots$ |
| ＂＂ 6 ＂ 8 to 15 inches | 200 | 1500 | 10 l co |
| ＂＂＂ 15 to 24 inches | 300 | 2500 | 200 |
| ＂＂＇， 2 to 3 feet ．．．． | 500 | 3500 | 300 00 |
| ＊BOX FLDER， 4 to 8 inches | 150 | 1250 |  |
| ＊CATALPA，Japan Hybrid， 4 to 8 in | 250 | 2000 | 15000 |
| ＂${ }^{\text {＂}}$＂ 8 to 15 i | 500 | 4000 |  |
| ＂Speciosa， 4 to 8 inches． | 150 | 1000 |  |
| ＂${ }^{\text {c }} 8$ to 15 inches | － 200 | 1500 |  |
| CHERRY，Wild Red， 8 to 15 inches． | － 350 | 2500 | 210 |
| ＂＂＂ 15 to 24 inches | 500 | 40.00 | 35\％ 03 |
| ＂＂＂ 2 to 3 feet | 750 | 5000 | 10000 |


|  | 1,000 | 10,000 | 100,000 |
| :---: | :---: | :---: | :---: |
| COTTONWOOD, White, 4 to 12 inches | 100 | 750 | 6000 |
| "\% Yellow, 4 to 12 inches | 100 | 750 | 6000 |
| " " 8 to 15 inches | . 125 | 1000 | 7500 |
| " "12 to 24 inches | . 150 | 1250 | 100 c 0 |
| " "، 2 to 3 feet | - 175 | 1500 | 12500 |
| *ELM, American White, 4 to 6 inches. | . 125 | 1000 | 7500 |
| * " " 6 to 10 inches | - 150 | 1250 | 10000 |
| * " English, 4 to 6 inches | - 150 | 1250 |  |
| *LARCH, American, 4 to 8 inches. | - 150 | 1250 | 10000 |
| * " " 8 " 615 inches | - 200 | 1750 | 15000 |
| * "، " 15 to 24 inches | - 500 | 4000 | 30000 |
| * "، " 2 to 3 feet | 1500 | 10000 | 75000 |
| * " European, 4 to 8 inches.. | 400 | 3500 |  |
| * " ${ }^{*}$ " 6 to 12 inches | 750 | 5000 |  |
| *LOCUST, Black, 4 to 8 inches....... | 1250 | 10000 |  |
| ${ }_{*}^{*}$ (OCUST, Black, ${ }_{6} 8$ to 8 inches. | 250 | 2000 |  |
| * " $\quad 12$ to 18 inches | 400 | ${ }^{2} 500$ |  |
| * " " 18 to 24 inches | 750 | 6500 |  |
| * " Honey, 4 to 8 inches. | 500 | 4500 |  |
| *MAPLE, Soft Silver, 8 to 12 inches | 125 | 1000 |  |
| * " " " 12 to 18 inches. | 250 | 2000 |  |
| * " " 68 to 24 inches. | 500 | 4000 |  |
| * "6 Hard Sugar, 4 to 8 inches | 50 | 400 | 3500 |
| * " " 8 to 15 inches | - 350 | 3000 |  |
| MULBERRX, Russian, 4 to 8 inches | - 150 | 1250 |  |
| WILLOW, American White, 4 to 8 inch | 100 | 750 | 6000 |
| " "6 " 6 "to 15 inch | - 150 | 1250 | 10000 |
| " " " 15 to 24 inc | -200 | 1500 | 12500 |
| 36 " ${ }^{\text {3 }}$, to 3 feet. | - 500 | 4000 | 30000 |

## FOR ORNAMENTAL AND GENERAL PLANTING.

DON'I YOU FORGET IT. No charge for boxes or packing where cash is received belore shipment. Those marked with a star (*) are in cellar, and can be shipped st any time while the supply lasts. See preceding list for smaller sizes.




My trade in large size trees is very heavy. There is a large demand from all sections for large trees for Parks and Street planting, We have made heavy shipments to Southivestern Kansas and Southern Virginia, and many of the cities and towns near home have purchased large numbers of them. By far the cheapest and best way is to get them by the car load. Freight is much less, and the trees go through without damage, and I make lower prices when packed in a car. When not paeked in a car they are bundled in bales weighing from 100 to 400 lbs . with moss and burlaps on the roots, and the bundles covered with straw or boughs. Before packing the tops are nearly all cut away ready to plant.

The trees wlll range from 7 to 15 feet high before cutiing back for planting, but are graded by the sizes at 3 to 6 inches above the ground.

## varieties. <br> Eaoh 1001000




# HEDGE AND BORDERING PLANTS. 



The foregoing roses are all perfectly hardy, will stand any climate, making an impenetrable hedge of great beauty, both in blossom and when covered with fruit. Their value is not sufficiently appreciated.


EVERGREEN ORNAMENTAL HEDGES.
See prices of Evergreens, American Arbor Vitæ, Norway Spruce and Retinospora. Several other sorts make good hedges.

## FRUIT TREES AND PLANTS.

Only the most hardy varieties of fruits can endure the rigors of our Northwestern winters. Thousands of Eastern and Southern trees are sold every year to the planters of the Northwest, and every winter as many thousands are killed. Many are killed the first winter, some live one or two years, very few three or four years, and on an average not more than one in a hundred live to give a peck of fruit. Yet when these trees are first received from the nursery they give the best of satisfaction. They are straight, thrifty, healthful and handsome. In the rich soil and warm vigorous climate of the East and South, larger trees can be grown in two jears than I con grow in four years. When my trees are placed along side of these Southern trees, mine are called culls and theirs first-class; in tbree years mine are called first-class and theirs dead trees, although both may be the same variety of fruit. Theirs in the nursery made a rapid growth of soft wood unable to stand the hard freezing and thawing while mine make a slower and harder growth, which will stand the severe Northern winters.

| STOCKS FOR GRAFTING AND BUDDING. |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| VARIETIES. |

## ROOT GFAFTS.

APPLE, select hardy varieties, grafted on whole roots of transplanted French Crab, well supplied with healthy fibres 100 ordinary piece root grafts .................................................. 75
ILAR, two or three of the most hardy varieties, on whole roots of Fre0ch seedlings transplanted.
$150 \quad 1000$

FRUIT TREES AND PLANTS.

tI have imported plants of these Currants, Gooseberries and Raspberries from Europe. They are the most choice varieties of recent introduction in Germany and France, and without doubt will prove to be of great value in this country. Boxing free where cash comes before shipping.

## NUT TREES.



## ORNAMENTAL AND FLOWERING SHRUBS.

My aim is to offer none but the best and most choice. My prices have been placed at the lowest possible figure, much below those of other nurseries, as I am not obliged to make my customers pay heary commissions to tree agents.

Orders at prices for single plants, less than 18 inches in height, will be sent free by mail.
fris Boxes and packing free-except the cost of the boxes is added to all bills not paid before shipping.


| ORNAMENTAL AND FLOWERING SHRUBS, CONTINUED. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| VARIETIES. | Ea. | 10 | 100 | $\begin{gathered} 10 \\ \text { by } \\ \text { Mail } \end{gathered}$ |
| ROSE OF SHARON, Altkea, white, 10 to 18 inches. |  | 100 100 | --.-- | 115 115 |
| SNOWBALL, 5 to 6 feet .-. --.......................... | 25 |  |  |  |
| *SNOWBERRY, seedlings, 4 to 8 inches | 05 | 40 |  | 45 |
| * "6 12 inches |  | 75 |  | 85 |
| *SPIREA, assorted, 15 to 24 inches |  | 75 | 500 |  |
| " " 2 to 3 feet |  | 150 | 1000 |  |
| " " 3 to 4 feet | 30 | 200 | 1500 |  |
| *SUMACH, Rus glabra, 10 to 18 inches |  | 75 |  | 85 |
| *WEIGELIA, assorted, Frutescens, 2 to 3 feet |  | 75 |  |  |
| WITCH HAZEL, Hammamelis, 3 to 5 feet | . 25 | 200 |  |  |

## ROSES.

| COMMON BLUSH, 2 years..................................................... $1510010 . . .-110$ CHINA, Eugenie Beauharnais-Amaranth. the buds beautiful |  |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| when first unfolding, sometimes dying off blackish |  |  |  |
| cr mson, large and very double, form cupped............ 50 | 400 |  | 410 |
| Pui ple, the most abundant bloomer, 2 years.......-.-.- 25 | 200 |  | 210 |
| LIMBINGr Madame Plantier, fine. white, 2 year................ 30 | 250 |  | 270 |
| " 4 , Maltifiora-de-Ferrieras, finest of all.--...-......... 50 | 400 |  | 420 |
|  | 400 |  | 420 |
| -* Williams Evergreen...............-....................... 25 | 200 |  | 2 2 |
| " Polyantha, a great profusion of small flowers ..... 25 | 200 |  | 220 |
| GENERAL JACQUEMINOT, shining crimson, very rich and |  |  |  |
| velvety, exceedingly brilliant and handsome; makes magnifi- |  |  |  |
| cent buds, and is highly esteemed as one of the best and most |  |  |  |
| desirable ................-................................................... 30 | 250 |  | 26 C |
| MULTIFLORA DE GRIFFERAYE .................................. 25 | 200 | 1500 | 220 |
| CLIMEERS. |  |  |  |
| BITTER-SWEET, Celastrus Scandens .-----....--...-.............- 25 | 200 |  |  |
| CLEMATIS, Blue, 3 years....-.................................................. 10 | 75 | 500 | 85 |
| " White, sweet scented, 3 years.............................. 10 | 75 | 500 | 85 |
|  | 40 | 250 | 50 |
| *CINNAMON VINE, Diocorea Batatas, or Chinese Yam, most |  |  |  |
| vigorous of annual climabers.-.......................................... 10 | 75 |  | 100 |
|  | 75 |  |  |
| " Japan, Ampelopsis Veitchii, 2 year....................................... 15 | 125 |  | 135 |
| *TRUMPET CREEPEK, Bignonia.............-.......-.............. 15 | 125 |  |  |
| VIRGINIA CREEPER, Ampelopsis quinguefolia ................. 25 | 200 |  |  |
|  | 200 |  |  |

## FLOWERING AND ORNAMENTAL PLANTS.

Orders amounting to 81, at prices per single plant, will be sent free by mail.



## RHODODENDRONS.

I have imported from Europe the following named sorts. They are all grafted 3 and 4 years, healthy, strong and of the colors indicated.

Rhodendrons do well in almost all situations, provided the soil is deep, cool and moist. Where these conditions do not exist naturally, they may be produced by digging out the soil four feet deep, filling in two feet with stones, sticks and rubbish, and finishing with good, light soil. The sorts offered are among the hardiest of all, standing our winters very well. It is, however, time well spent to fill in forest leaves about the plants for the winter. It keeps frost out of the ground, breaks the wind, and leeps the sun from the foliage, all of which oenefits the plants at that period.

I have only a small number of each variety. If any variety is exhausted, orders will be filled with a color the nearest I have.

## PRICES.

EACH 10


Albion, rosy red, spotted, large truss.
Athene, white, with yellow blotch.
Atrosanguineum, intense blood red.
Beranger, white, with red and brown spots, large truss.
Bylsianum, white center, with bright rose edge.
Cunninghamii, white.
Duc de Brabant, nearly white, black petals, yellowish, semi-double.
Eastuosum, flore pleno, lilac, immense trusses of double flowers, continues a long time in bloom.
Geranoides, rose, dense black spots, fine.
Lago, rosy crimson, large blotch of dark spots.

John Waterer, scarlet, immense truss, superb.
Lady Clermont, rose scarlet, intense black blotches.
Lord Clyde, deep blood color, fine.
Nero, fine dark rosy purple, extra fine.
Onslowianum, delicate waxy blush, changing to white.
Prince Albert, rich lake, first-rate.
Rembrandt, finest purple, immense truss.
Rosalie, deep crimson, purple.
Schiller, bluish purple, dark spots.
Towardii. rosy lilac, spotted, large truss.

## DOLLAR LOTS, BY MAIL.

For ${ }^{\&} 1$, cash or postage stamps, we will send by mail, postage paid, any one of the following items, or one-half of any two items, or one-third of any three items, or one-fourth of any four items. No order received for less than 81 , and no other divisions of items made. Nearly all varieties in cellar, and can be sent at any time desired.

Send 8 cents in stamps extra, and we will register the package, and guarantee its safe arrival.

EVERGREENS.



## DECIDUOUS.



| 100 L | in |
| :---: | :---: |
|  | 8 to 12 in |
| 100 Locust, Blac | 4 to 8 in |
| 50 | 8 to 12 in |
| 50 " Hone | 4 to 8 in |
| 30 | 8 to 12 in |
| 100 Maple, Norway | 4 to 8 in |
|  | 8 to 15 in |
| 1000 ' Sugar | 3 to 6 in |
| 50 Mountain Ash, Americ | 4 to 8 in |
|  | 8 to 12 in |
| 40 " " Europ | 4 to 8 in |
| 20 | 8 to 12 in |
| 400 Muiberry, Russian. | 4 to 6 in |
| 40 Oak, European | 4 io 8 iu |
| 20 " American | 4 to 8 in |
| 40 French Pear, se | 8 to 12 in |
| 40 Privet | 8 to 12 in |
| 100 Sycamore | 4 to 6 in |
| 20 Weeping Willow | 8 to 15 in |
| 10 European Holly | 6 to 1.0 in |
| 40 Filberts | 6 to 12 in |
| 10 Siberian Pea Tr | 6 to 12 in |
| 40 Roses, for hedg | 1 to 8 in |
| 40 Datila isubbs, a |  |
| Glatiola Bulbs, assur |  |
| Yueca, |  |

Any othar varinty named in this catalogue can be sent by mail if not over 15 inches high. by adding to the prices per 100 , the postage named on page 4 , except where rafes ner 10 are given $i$ : the itots.

# PRICE LISTS OF TREE SEEDS. EVERGREENS. <br> STANDARD SORTS IN GOOD SUPPLY. 

Prices are by mail, post paid.
Many of the following can be supplied in ten pound lots. Prices given on application. Will make up ten cent packets of any of the following, when desired.

Damping-Off is one of the most serious obstacles to success, in growing Evergreens from seeds, and in this particular there is a great difference in the varieties.

Shade is necessary for nearly all varieties. The heat of the sun would soon wilt them down. As soon as the sun shines hot and the soil is very moist and the seedlings are closely covered, the damping-o.ff is even worse. We have had whole beds consisting of hundreds of thousands of plants go down in a single afternoon. What ther need is shade that keeps the sun off and still gives the plants plenty of air.


## RARE AND CHOICE VARIETIES.

## CAN BE SUPPLIED ONLY IN SMALL QUANTITIES.

Prices are by mail, post paid.
The botanical names only are given, and arranged to correspond with list of plants. Packets contain from one-sixteenth to one-fourth ounce, according to cost. A limited number of these varieties can be supplied by the pound. Prices given on application.


| RARE AND CH <br> Juniperus- | 1 pkg . | 1 oz . | Retinospora- | NUED. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Communis pyramidalis | 20 | 100 | Filifera | . 25 |  |
| Cupressifolia | 20 | 100 | Leptoclada | 40 |  |
| Chinensis | . 30 | 100 | Obtusa. | 15 |  |
| Echinæformus | - 10 | 25 | " aurea gracilis | 10 | 100 |
| Excelsa | 15 | 50 | Pisifera. | 15 |  |
| Glauca | 10 | 50 | Plumosa | 25 |  |
| Japonica | 10 | 50 | " aurea | 25 |  |
| Reevesiana | . 10 | 50 | Squarosa Veitchii | 30 |  |
| Repanda | . 20 | 100 | Salisburia- |  |  |
| Sabina. | 10 | 50 | Adiantifolia, 10 seeds | 10 |  |
| " pr | 10 | 50 | Sciadopitys- |  |  |
| Suecica | 10 | 25 | Verticillata, 50 seeds | -. 10 |  |
| Virginiana pendula. | 30 | 60 50 | Sequoia- |  |  |
| Larix- pyramidalis |  | 50 | Gigantea. | 15 |  |
| Sibirica | 10 | 100 | Sempervirens | 23 | 50 |
| Kaempferi | 15 |  | Taxus- |  |  |
|  |  |  | Adpressa | 20 | 50 |
| Pinus- |  |  | Baccata. | 10 | 25 |
| Brutia. |  | 05 | Erecta | . 30 | 100 |
| Cembra | 05 | 15 | " Dovastoni pe | 30 | 100 |
| Densiflora | 20 |  | Fastigiata | 10 | 25 |
| Excelsa bhotan | 10 | 50 | Thuya- |  |  |
| - peu | - 20 | 100 | Elwangeriana | 25 |  |
| Halapensis | - 15 | 75 | Plicata. | 25 |  |
| Inops | 15 | 60 | Vervæneana | 25 |  |
| Insignis. | 20 |  | Warreana | 10 | 100 |
| Rigida | 20 | 1.00 | Thuyopsis- |  |  |
| Sylvestris rigaensis | 10 | 50 | Borealis ... | 25 |  |
| Thunbergia. | 25 | --- | Dolobrata | 25 |  |
| Tuberculata | 20 | ---- | "* variegat | 30 |  |
| Podocarpus- |  |  | Torreya- |  |  |
| Coreana, 10 seeds. | 10 | ---- | Myristica. | 0 | 50 |

In the case of a person trying a small quantity in a box, the best shade that can be devised is cotton cloth that is wet with cold water.

Little Evergreen Seedlings are the most delicate things imaginable. The stem is very succulent and tender.

## DECIDUOUS TREES AND SHRUBS.

Prices are by mail, post paid. Special rates given for 10 lbs . or more.

|  | 1 oz . |  | Ib. |  | 1 oz . |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ailanthu | 05 | 15 | 40 | Laurel-leaved | 15 | 50 | 150 |
| Alder, Com. European.- | 10 | 25 | 75 | Hornbeam | 12 | 35 | 100 |
| Ash, |  |  |  | Larch, |  |  |  |
| American White |  | 10 | 25 | America | 100 | 300 | 800 |
| European |  | 10 | 25 | Europea | 05 | 20 | 100 |
| Ornus, flowering? | 10 | 25 | 75 | Locust, |  |  |  |
| Wafer, ptelia trifoliata | 15 | 50 |  | Black | 05 | 15 | 40 |
| Apple, |  |  |  | Honey | 05 | 15 | 40 |
| German Wood Crab... | 08 | 20 | 60 | Maple, Norway | 05 | 15 | 50 |
| German Hardy Apple. | 05 | 15 | 50 | Mountain Ash, Europ. | 05 | 15 | 50 |
| Earberry, |  |  |  | Mulberry, Russian | 25 | 75 | 200 |
| Common | 10 | 25 | 75 | Oak, |  |  |  |
| Evergreen | 25 | 75 |  | Am. Red, +10 lbs. 50c.- |  |  | 06 |
| Basswood, |  |  |  | Europ. Red, $\dagger 10 \mathrm{lbs} .50 \mathrm{c}$ |  |  | 06 |
| American | 12 | 35 | 100 | " +White, 10 lbs .75 c |  |  | 10 |
| European, large leaf | 05 | 20 | 60 | Pear, best German seed | 20 | 60 | 175 |
| " silver leaf.- | 12 | 35 | 100 | Pea Tree, Siberian ....- | 20 | 60 | 175 |
| " small leaf.- | 05 | 20 | 60 | Poplar, Lombardy .....- | 25 | 75 |  |
| Birch, |  |  |  | Plane Tree, |  |  |  |
| Black, American | 20 | 50 | ---- | American Sycamore -- | 10 | 25 | \% |
| White, " | 20 | 50 |  | European Sycamore .- | 10 | 25 |  |
| " European | 10 | 25 | 75 | Privet, |  |  |  |
| Catalpa, Speciosa | 10 | 25 | 75 | Common | 05 | 15 | $\stackrel{\sim}{0}$ |
| Coffee Tree. | 05 | 15 | 40 | California | 15 | 50 | 150 |
| Hawthorn, European.- | 05 | 15 | 50 | Rose, Dog, for hedges .. | 05 | 15 |  |
| Holly, European | 12 | 35 | 100 | Tulip Tree, Whitewood. | 12 | 35 | 1 |

## CHRISTMAS TREES AND DECORATIONS.

Do you want Xmas trees? If so, get them from the source of supply. If you have ever noticed that the trees ordinarily offered for sale on the market, you have observed the pale, sickly, faded look they have. We are where we can get the best of the stock, and send out only the "very best."

For several years we have had an Xmas Tree and Decoration Department, not as a makeshios, but as a regular branch of our nursery business, and take pride in sending out only stock that may help to maintain and increase our trade. For three or four years we have been sending out the native Blue Spruce, and they give better satisfaction than any other tree we send out. The branches are stiff and very strong, capable of supporting a heavy weight of gifts. They are often covered with a profusion of cones, adding g reatly to their beauty.

Some people have become so accustomed to seeing the Balsam Fir usfd as an Xmas tree that they are loth to believe anything else can be used. We will furnish the Balsam Fir to customers when ordered.

## PRICES.



## TERMS.

Cash must accompany all orders for less than ten dollars' worth.
Orders to the amount of ten dollars or more will be accepted from pastors or churches or business men having unexceptionable rating by the mercantile agencies, payable December 26th, or FIVE PER CENT. DISCOUNT for cash with the order.

Se Sight draft, wh exchange added, invariably made January 1st for all bills for Christmas trees past due.

Liberal discounts given on large orders.
To save freight charges it is well for families wanting Xmas trees to club together and send for them. This makes a great saving in freight, and the more there are in a bale the better, as they are not so apt to get broken on the way.

Please To Remember.-Order Early. Trees and twigs must be cut, bundled and shipped after the order is received. All orders should be on my books by the 1st day of December. None shipped after December 10th by freight, except at the risk of the purchaser, and no orders accepted after December 15 th except to go by express. Orders for wreathing "made up" must be sent early enough so we can make it. We do not carry it in stock ready made.

## EVERGREEN BOUGHS.

For decorating halls, streets, etc., for fairs, Fourth of July and other public occasions.

We have made a business for several years of furnishing boughs of several varieties of evergreens for decorating halls and streets for public occasions.

Prices.-We cut the boughs well furnished with leares, from 12 to 30 inches in length, tie them in bundles weighing from 50 to 75 lbs ., and furnish them at one dollar per bundle, f. o. b. here.

Carloads.-It is not uncommon for a carload to be used on some great occasions. Four years ago St. Louis used two carloads from here. Kansas City used a carload. We supplied the Corn Palace at Sioux City a carload last season, and expect to furnish several towns with carloads the coming summer. My price is Seventy Fire Dollars for a carload, f. o. b. We get about 1500 bundles in a carload, or about ten or twelve thousand pounds.

Varieties.-Arbor Vitæ and Spruce are best adapted for outside decorations, but for ornamenting halls, Balsam Fir, White Pine and Hemlock are the most desirable, because of the delightful and refreshing balsamic aroma that is given off, relieving the sense of oppressive heat and foul air that is often feit in closely packed halls.

Evergreen Show Trees.-Large evergreens 6 to 8 feet high, for planting in tubs to set outside at the doors of halls, hotels, restaurants, etc., are furnished at 50 cents per tree, of several varieties.

These are dug with enough roots to enable them to stand secure in a tub. It is not expected that they will grow, but if well watered they will remain fresh and green for several months. They are tied in bundles with wet moss or straw over the roots to keep them fresh.

## MISCELLANEOUS.

Cone Scales for Consumption and Catarrh.-We are occasionally asked for Cone Scales of Balsam Fir. It is claimed that a small quanity of these scales put loosely in a sack and placed upon the pillow at night, is of great benefit to those suffering from diseases of the throat and lungs. The balsamic aroma given out has marked healing and soothing effect. This year we have saved these cone scales when cleaning out seed, and will furnish them to those wanting at: By express, per bushel, 75c.; by mail, per pound, 25c. (A bushel weighs about 12 pounds.)

To Prevent Moths.-Many persons scatter Arbor Vitæ Cones in small sacks of Ghin cloth, through their chests and among their robes and furs. The moth-miller will not stay where she gets the scent from Arbor Vitæ Cones. They are just as fifective as tobacco and much more pleasant. I am saving the cones when thrashmg out seeds this season, and will furnish them at the following prices: By express, per bushel, 50c; by mail, per pound, 20c.

These Cones and Cone Scales can be packed and shipped with Trees and Seeds ¢hen desired.

White Pine and Balsam Fir Twigs and needles are often called for, wanted secause of their pleasant aroma, for pillows, cushions, ornamental work, etc. The tips of the twigs clipped with their needles all on, the day they are shipped, and furnished per 100 Hb , for $\$ 2.50$.

Bouquet Greens, or Lycopodium, furnished during the month of November each year, at: Per ton, $\$ 70.00$; per $100 \mathrm{tbs} .$, f. o. b., $\$ 5.00$.

Wreathing made to order for halls and public occasions from evergreen boughs with diameter of 4 to 5 inches in lots of 10 yards and over at 10 cents per yard. Arbor Viuæ is best of all evergreens for this purpose, as it holds its leaves the longest time.

Pine Cones.-Not old and weather-beaten; but bright new cones, which we have opened and taken the seeds out. Desirable for ornament, cabinets, and various purposes. Pinus Ponderosa, of the Rocky Mountains; Cones 3 to 5 inches long, and 3 to 4 inches in diameter, each. 3c., 10 for 20 c.

PEAT, FIBROUS OR ROTTED.
For Florists' use, single barrel $\$ 1.00$. 10 barrels ${ }^{85.00 .}$ Will use Peat, without charge, for packing roots of trees when requested. Write for prices on car loads.

## LEAF MOLD.

For potting plants. Fresh gathered from the forest. Price per barrel, \$1.00.

## SLUG SHOT.

## AN INFALLIBLE INSECTICIDE.

 WHAT IS SLUG SHOT?SLUG SHOT is an inpalpable powder, a combination of insecticides, poisonous to insects preying upon vegetation, and withal an excellent fertilizer affecting nearly all classes of insect life, so that they either die or leave for parts unknown.

It Kruss the Potato Bugs in all stages of their growth, but not the eggs.
It Kills the Black Fleas on Cabbage, Turnips, Beets, Radishes and Egg Plants. Apply by dusting over the plant.

IT KLLLs the Cabbage Worm and also the currant and Gooseberry Worm. The Aphis or Green Fly on roses and other flowers.

Has Prevented the ravages of the Bark Louse, Curculio and Canker Worm on Fruit Trees; has likewise been used around Beans, Melons, Squash, etc., to the detriment of the ravagas of the Cut Worms. Keeps the Striped Bugs from all vine crops.

HAMMOND SlUG SHOT, price per 5 lbs ., 30c.; $10 \mathrm{lbs} ., 50 \mathrm{c} . ; 50 \mathrm{lbs} ., 82.25 ; 100 \mathrm{lbs} .$, 64.00; bbl., 230 lbs., loose in bulk, $\$ 10.00$.

## EVERGREEN HEDGES.

Evergreen Hedges are getting to be very popular throughout the country, as they justly should. Nothing adds more to the beauty of a home than a tastefully trimmed Evergreen Hedge in front of the lawn, and a taller growing screen or hedge, dividing the lawn from neighbors or screening from view the back yard.

Probably, all things considered, there is no tree that equals the American Arbor Vitae for this purpose. It will bear the shears more patiently than any other evergreen we hare. It may be plashed down and made so dense and solid that a chicken or a dog cannot get through jt; and yet its very lowermost branches will retain their freshness and vigor for a very long period. By keeping the hedge cut down, it may be dwarfed to any height and spread desired, making the best tree for cemetery planting.

Its name, "Arbor Vitae" (Tree of Life) is no misnomer, as there is no evergreen more tenacious of life.

It is so very easy to grow and handle, and can be so safely transplanted in any soil and climate, and is so little affected by the extremes of dry and wet seasons, that it is a matter of surprise that Nur. serymen should hold it at such high prices.

We have prepared ourselves to meet this growing demand, with is large stock of these trees, both seedings and transplanted, and are annually planting a large amount of the seed, and transplanting the seedlings by the hundreds of thousands. By reference to the list it will be seen that we have put our prices so low that any man can afford to plant an Evergreen Hedge.

The only objection we have ever heard urged against the ArborVitae for hedges, is that the foliage turns to a greenish brown color during the winter months. On this account many persons prefer the Norway Spruce, which retains its fresh, green color, pretty well during the cold months. While the Norway Spruce possesses many qualities that recommend it as a hedge plant, it has one very objectionable feature. After the hedge has stood for some twenty or thirty years, and has been annually sheared to keep it within the bounds of hedges, the lower branches begin to die out, which greatly mars its beauty and value as a hedge;

The best sizes for planting hedges are 8 to 12 and 12 to 18 inches. These may be set out in single rows, about 8 to 10 inches apart, or in alternate double rows, about 12 to 15 inches apart. and the trees about the same distance apart in the rows. The ground should be well pulverized and the plants set pretty deep-some deeper than they stoot! in the nursery, Pour water abont them profusciy; and if the roots are dipped in muddy water and then brushel on the ground to canse tne soil to adhere to the fibers, they will he hetter. As soon as planted mulch nearly to the tops with straw, and clip the ends of al long and straggling branches.

If seralings are planted, the tops may be nearly corered with the straw mulching, or: which is better. shade the plants from the sun. There is uo necessity for shading, only tor one year; but the molching may be contimed for years, the longer the betier.

In times of very dry weather the hedge should be watered thoroughly every evening.

# Rooky Mountain Yellow Pine. 

Pinus Ponderosa, var. Scopulorum, Englem.

We have been for several years giving this pine a thoroughtrial in our Nursery, and are fully convinced that it is one of the best Pines for planting, particularly in the dry regions of the West.

The tree as described by those who have seen it is tall and medium size. The branches grow somewhat upright, giving it the appearance of tall spires, or tall trees of Lombardy Poplar, when growing at a distance. The leaves are large and coarse, slightly twisted, larger and coarser than Scotch Pine, usually about the size of Austrian Pine. Sometimes there are three leaves in a sheath, and sometimes only two, usually mixed on the tree. Sometimes we find a tree in which nearly all the leaves are found in threes, and again, others nearly all in twos.

It is very easy to grow from seed, but the seeds are difficult to obtain and expensive. It grows rapidly andseems to be absolutely drought proof, and will stand any amount of freezing apparently. Ours in the Nursery the past winter stood in the open ground, fully exposed, with the thermometer from zero down to twenty below nearly every day for two months, and came out in the Spring looking brighter and fresher than ever.

It is a very rapid growing tree, growing fully as rapidly as the Scotch Pine, and apparently, the dryer the soil and atmosphere the faster it grows. The young seedlings have a most remarkable development of roots, as much ahead of the seedlings of the New Mexican Pinyon Pine as the Pinyon is ahead of the common White Pine. In a few weeks after the little seedlings have come up and got started they have roots from ten to fifteen inches long running straight down into the ground, making it very difficult to dig and get all the roots out even of one year seedlings. I am told that in Montana, where I get my seed, they grow in any kind of soil, either in the dryest portions of the country or even upon the edges of swamps. Sometimes they are found in the heavy clay soil, sometimes in a light sandy soil, and they are seen in many instances growing out of the crevices of the rocks where apparently there is no soil. Of course, their long roots reach to some place where they can find soil and nourishment.

If transplanted early in the season they are one of the surest to live, but like all ether Pines, if transplanted after the buds begin to push, many of them will die, but not as bad as others. In the Spring of ' 92 we planted a quantity after the new growth had pushed from three to five inches, and, of course, we were unable to get more than two-thirds of the roots. The new growth wilted down. Still fully sixty per cent. of them formed new buds on the old wood and are again ready for business this Spring. Scotch and Austrian Pine planted under the same circumstances were nearly a total failure. We have many thousands of the Scopulorum Pine that were transplanted early in the season before the new growth began to push, and there is not one in a thousand dead. Even whole beds are without a single dead tree. We have in our Nurseries now about half a million plants of different ages of these, and are making calculations on getting two or three hundred pounds of seed the coming Fall to put in next season.

In the localities where we get out seeds the trees do not seed only about once in five years; but we find the seedus two or three years old seem to grow just as well as those planted the same year they were collected. The indications now are for a good crop this season and we expect to largely increase our planting of them. We shall try to make a growing of this tree a speciality, believing it to be one of the most valuable for general planting, and by making it a speciality shall prepare ourselves to meet a large demand for them.

## Ablies Excelsa Invepta.

One of the most beautiful and desirable of the weeping evergreen trees is the Abies excelsa inverta. It is also called Abies inverta pendula.

With most weeping evergreen trees it is necessary to tie a leader up to a stick or other support to bold it upright, which must be continued until it has the desired height, after which the whole top of the tree will droop. This variety, on the contrary, carries an upright leader, the side branches only drooping. The top shoot grows up very straight and solid, while all the lateral branches droop along the trunk of the tree, the upper branches constantly drooping out over those below which forms a narrow, upright, solid pyramid, compact and of the prettiest possible aspect. Those near the ground do not cease to grow, but if undisturbed, will creep along the ground. But if they are cut back to allow them only to touch the ground they will thicken up near the stem of the tree and make the pyramid a little broader at the base, and more dense.

The annexed cut was made from a photograph taken of a specimen now growing in Europe which is about 25 feet high, and will convey a very correct idea of the tree. This, being a sport, or variety, of the Norway Spruce, is as hardy as the Norway Spruce itself, and will stand the winters in any part of America and anywhere the Norway Spruce will flourish, which is in nearly all parts of the United States, and, in fact, nearly all parts of the world, this beautiful weeping tree will also flourish. It is claimed that if the tips of the side branches be grafted on the root of the Norway Spruce it will grow for a leader after having been stayed in an upright position for two or three years. We have not had enough experience in growing it to vouch for this from our own knowledge. Our entire stock is grown from small plants imported from Europe which had already been grafted two years or more, and had got well started.

There is no finer or more desirable tree for cemetery planting, at the sides of gate-ways and at the corners of lots, surrounded by hedges, and also at the angles of walks and drives. It is beautiful and attractive upon the lawn or landscape.


## Some Suggestions for Planting Small Evergreens.

Many people have considerable difficulty in planting small evergreens ana making them live. This is particularly the case in the dry portions of the West. Occasionally people write us with bitter complaints about their trees not doing well, even all dying, which, when thoroughly sifted, amounts to a lack of information as to how they should be planted and treated.

First: A small evergreen removed and planted, whether it be a wild seedling, nursery seedling, or transplanted tree: and whether it is planted on the dry plains of the West, or in the moist climate of the East, is greatly benefited by being shaded. The leaves of an evergreen are constantly in a condition to give out moisture, and this moisture must be supplied by the roots. The more they are exposed to the sun, and the hotter the sun and the dryer the air, the greater will be the evaporation from the leares, and the greater will be the demand upon the roots for moisture. Hence, the two general requirements are to furnish all the moisture needed by the roots, which are to a considerable extent dormant when first remored, and also to shut out the sun or retard the influence of the sun and the dry air upon the tops as much as possible. This can be done by shading, and the more closely they are shaded the better, and by abundant watering in case the weather is dry. Another source of damage to newly planted trees is the heat of the sun on the roots. Many varieties of evergreens grow where their roots are constantly cool and moist. Hence, it is important that the intense heat of the sun be shut off from the roots as much as practicable. Shade helps this, but a mulch of cut straw, or any fine material, goes much farther.

Wild seedling evergreens have usually grown mostly in the shade. They are more soft and tender. The pores of the leaves are more open, and they will evaporate moisture more rapidly under the heat of the sun, and not being supplied with an abundance of fiber roots to supply the moisture, they are in greater need of shade for protection than nursery seedlings, and the same relative conditions exist with nursery seedlings and transplanted trees. Nursery seedlings do not so strong 1y demand this protection as wild seedlings, and the transplanted seedlings demand it eren less than the nursery seedlings. In fact, the transplanted seedlings are perfectly safe to plant out fully exposed to the sun in most parts of the country. That is, they williive, but would get a more vigorous start and do much better if shaded and protected in any part of the country.

## HOIV TO DOeIT.

The next thing to settle is how this protection can be best given. The directions that we shall give will be particularly adapted to the West, where the greater part of the failures exist, and the same advice, if followed in the East, or the more moist portions of the country, whether it be East or South, will do no harm, eren though there be little neccssity for it in some cases.

First: Prepare a bed in the garden as fine as you would for planting onion seed; put the little seedlings in the bed, taising pains to get the roots stretehed down as deep into the ground as possible, and plant them as close together as you can plant them, even so that they touch one another, the closer the better. Plant them as deep as you can without bursing any of the leares. unless they happen to have a rery long bare stem. As a rule, plant them a little deeper than they stood in the nursery: pour on them an abuadance of water When planted. Do not be sparing with it: put on enough to wash the fine soil well amons tho fibers and small roots, then put on a shading, laying the shading on poles or rails that lay just above the tops of the trees. This shading may consist of old boards. shingles. barrel stares, corn stalks, or anything that will shut out the rays of the sun, and still allow water to go through. Before shading put on the mulching, as directed, to keep the ground cool and moist. It would be well, in western Nebraska, Kansas, Indian Territory, Texas, and through most parts of Colorado and New Mexico-those regions where they have the hos dry winds-to plant on the south and west sides quite a wide plat of sorghum. Sorghum, is less affected by the hot winds than corn or broom corn. and will make a wind break that will mitigate very largely the heating, burning effect of the hot winds. With this treatment planters of evergreens may expect reasonable sucoess.

The trees, of course, will not need this protection more than one year, when they can be removed and transplanted where it is desired they should grow; and they will by that time have oecome acelimated, so that they will need no shading, but should be mulched, narticularly in the West, and should be watered in dry weather for a few years, till they get well established.

These directions are essential for planting wild eversreens in any part of the country: but in a climate similar to this. nursery seedlings and transplanted trees will need no protection whatever. But. We as said at the beginning. suceess will be more certain if they are given this protection,

## OUR LOG丹TION

is on the peninsula 50 miles north of the City of Green Bay, one mile from the shore of Lake Michigan and $t$ miles from the waters of Green Bay, on the main platean of magnesian limestone.

## OUR SOIL AND GLIMATE

is the home of the Erergreen. Here we can grow hardier healthier trees with better roots tham any other place in America, We have in our nursery all varieties of soil-sandy loam and clay with impervious subsoil. A warm, dry, sandy ridge with grarel subsoil, and a low wet mucky soil. All classes of Erergreens can finl here a congenial location.

## OUR STOGK

embraces representatives of all branches of the Coniferae family. We draw upon all lands and all climates, selecting mostly those that are most hatdy and most easily cultivated. We aim to sell mostly in small sizes, they are more easily handled, most sure to live, cost less and give better satisfaction to our patrons.

## OUR FAGILITIES

for filling orders promptly and cheap and quick transportation cannot be excelled. We ship by steamboat to Green Bay, Milwaukee, or Chicago, where our shipments are hauled at onee to the railroad companies and make better time and at cheaper rates than can be realized by all rail.

## OUR GUSTOMERS

are now found in all parts of the civilized world, and among the leading and wealthy citizens of our country. Our trees are found in most of the leading large parks of the country.


O $\propto($ WINTER SGENE. $) \curvearrowright \bigcirc$
Seed House in the distance, Cellar, Office and Packing House at the right and beyond the Seed House.

