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Twenty-Fifth Anniversary.

Milwaukee, Wis., January 7th, 1904.

To our Friends, The Public:

This is the twenty-fifth season of the publication of this book—"Our Silent Salesman"—and we are pleased to mail to each of our thousands of customers a copy with the compliments of the Season and the expressed wish that it will be a productive as well as a profitable one. And such it cannot help but be if good seeds be sown. Good Seeds Promote Long Friendships. There are names on our books dating back over twenty years. Nothing gives us more pleasure during our busy spring season, than to find, in going over our daily orders, the names of scores of life-long customers, who have been buying our seeds almost annually since the first few years of existence of our business. This loyalty on the part of thousands of old customers convinces us, that the quality of our seeds has been appreciated, which is encouraging for us to go on and if possible, to do even better than ever in their behalf.

"Our Silent Salesmen," a Modest Catalogue with Honest Descriptions. Our Catalogue does not exaggerate. The illustrations are not misleading. The descriptions are true and say too little rather than too much. All the seeds we offer have been thoroughly tested. Our novelties are all of known merit. We have no untried experiments for our customers, nothing to disappoint. We know the Seed Business thoroughly and pledge our reputation on whatever we tell you.

In closing, we desire to state that we appreciate Early Orders and lots of them. Thanking you for past patronage and hoping for a continuation of same, we remain,

Yours for "Good Seeds,

WERNICH SEED CO.

A FEW THINGS TO REMEMBER.

Order Early—"In time of winter prepare for spring." Order early, and have your seed on hand when it is time to sow.

Address—No matter how often you order, always give your Name, Post Office, County and State in full. When Freighter or Express Office is different from Post Office, give both.

Remittances—Cash with Order. Remittances may be made at our risk by Draft, Money Order, or Cash by Express, or in registered letter.

For the convenience of our Patrons we enclose a blank Application for Post Office Money Order, which must be filled out by the sender, and which will be held by our local Postmaster for four years from date of issue.

Seeds Postpaid—We deliver free all Seeds (Ozs., 1 lb., lbs., Pints and Quarts), Plants, Bulbs, etc., at prices quoted excepting where otherwise noted.

Shipping—When customers do not state clearly how and where to ship, we use our discretion.

Safe Arrival—We endeavor to secure the safe arrival of packages in every case. If packages do not arrive in due time, please notify, and we will at once trace the same. Except where noted, we make no charge for packing.

Errors—We are very careful in executing our Orders, yet in the rush of business in our busy season, errors sometimes occur, in which event we wish to be promptly notified, and we will rectify.

Guaranty—Complaints made that Seeds are not good cannot always be attributed to the quality. There are hundreds of causes other than poor quality to prevent the best of seeds from always giving satisfaction; such as sowing too deep, too shallow, in too wet or too dry soil, insects of all descriptions destroying the plants as soon as or before they appear, wet or cold weather, frosts, changes in the Seeds, induced by temperature, etc., therefore, while we exercise the greatest care to have all Seeds pure and reliable, we do not give any warranty, expressed or implied, and we will not be in any way responsible for the crop.

NEW DEPARTMENTS.

Two years ago upon request of many of our patrons we added a Department of Poultry Supplies. We issue a special catalogue of same and have added Pig and Live Stock Supplies. The new Catalogue 1904 is just off the press and we will be pleased to mail a copy to all who write for it.

Bee Supplies. We have made arrangements with one of the largest manufacturers in this line and shall be pleased to have your orders if in need of anything in this line. Catalogue free.
Novelties and Specialties for 1904

A SENSATIONAL NEW SWEET CORN,
"PEEP O’DAY"

TEN DAYS EARLIER THAN ANY OTHER VARIETY.

What product of the garden is so eagerly awaited as the first sweet corn of the season—not the tasteless, discaragons, pramma-
tary corn, shipped from long distances, worthless when picked and unfit for human food when it arrives, but the real, ten-
der, juicy, SWEET CORN ready for use before the summer has really commenced. Such a Sweet Corn is Peep o’ Day. Read
the following remarkable statement made by J. W. Gray, of Trempealeau, Wisconsin.

“The Peep o’ Day Sweet Corn I had of you last Spring gave me corn fit for the table June 25th. I saved seed from that crop and raised a second crop, and saved seed from the second crop for next year’s planting.”

Other characteristics of the Peep o’ Day, in addition to its extreme earliness are its extraordinary tenderness and sweetness, surpassing in these particulars any other Sweet Corn. Few of the early varieties are as sweet as the Late or Evergreen sorts, not so with the Peep o’ Day.

It is the sweetest corn of which we have knowledge. We do not know why this is so—simply that it is so.

The ears of Peep o’ Day corn average about 6 inches in length and are perfect in form. In habit of growth Peep o’ Day is very distinct. The stalks grow from 3 to 4 feet in height, 3 to 5 ears on the stalk. The stalks being so small they may be allowed to stand very closely together. The seeds may be planted either in hills or in rows. If the former, plant 6 or 7 kernels in a hill, later thinning out so as to leave 4 plants to each hill. If in rows and not in hills, drop the seed about six inches apart and (if planted early) cover about 1 inch deep. Later plantings should be put in deeper. 8 to 10 quarts will plant an acre.

Price. Large Packet 10 cts.; Pint 30 cts.; Quart 50 cts.; 2 Quarts 90 cts.; by mail postage paid. By express or freight, Quart 40 cts.; 2 Quarts 70 cts.; Peck $1.75; One-half Bushel $6.00.

DWARF STONE TOMATO.
DOUBLE THE SIZE OF DWARF CHAMPION AND THE LARGEST DWARF IN EXISTENCE.

This is another splendid new variety from Living-
ston, the Tomato Man. In habit of vine it resembles
Dwarf Champion, but is of stronger growth and more
erect. The fruit resembles the Stone in color, shape and
what is more remarkable, for an erect sort it is prac-
tically same size. Ten fruits picked from one vine at
same time weighed five pounds, four ounces. Five
fruits selected by eye for average size weighed two
pounds, nine ounces. This was under field cultivation
on farm land, with no fertilizer. Specimens weighing
one pound each are quite common. The new Dwarf
Stone is fully double the size of Dwarf Champion, and
yet equally as early. It is fully as prolific, and conse-
quently vastly more productive. We consider this one
of our best productions, one that will meet with general
favor; especially will this be true with the class of
growers whose gardening is limited to a few acres, and
where economy in saving land must be taken into ac-
count. The strong, upright habit of growth of the
Dwarf Stone admits of very close planting, at least
a half closer each way than the distance required for
the ordinary viney varieties. In small gardens the
plants may be set 18x24 inches apart each way, and yet
produce an abundant crop. The shape of the fruit is
perfect, with a good skin which is free from cracks
about the stem end. It is very solid, ripens very evenly,
and is of the most excellent quality.

50 cts.; 1/4 lb. $1.50.
THE ORIGINAL

"Munich Beer Radish."

THE GROWER OF THIS NEW VARIETY OF RADISH

writes as follows: The numerous applications from my business friends for the original seed of the genuine "Munich Beer-Radish," has induced me to undertake the planting of an immense quantity and then to obtain a typical seed for the trade by carefully selecting from only the best seed bearing plants. The excellence of the radish thus produced is found in the mild but nevertheless hot agreeableness of flavor. It also cuts with a mellowness, which is a proof of the shortness and tenderness of the fibers.

The "Munich Beer-Radish" has a fine skin, does not throw out side roots and is not so subject to dry-rot as the ordinary summer radish.

It can be grown in forcing beds as well as in the natural soil, although it should only be planted out, when the night frosts are no longer to be feared, as it is well known that the radish runs to seed upon the slightest cold. Large package 20 cts.; 3 Packages for 50 cts.

CUMBERLAND CUCUMBER.

It is a hybrid of Parisian Pickling and Peerless White Spine, retaining the long even growth of fruit, the solidity of flesh, the crispness and excellent flavor of the former, and the hardiness and great productivity of the Peerless White Spine. It is a rapid, strong and vigorous grower and very prolific. The Pickles differ from all other hardy sorts in being thickly set with fine spines over the entire surface except the extreme stem end. During the whole period of growth, from the time they first set until fully grown, the form is exceptionally straight, thus being as choice a slicing variety as it is for pickles. Pkt. 5 cts.; oz., 15 cts.; ¼ lb., 55 cts.; 1 lb., $2.00.
WERNICH'S **EXTRA EARLY CABBAGE**

**EAUKEA**

**AS EARLY AS WAKEFIELD.**

**AS HARD AS HOLLANDER.**

"Eureka." Here we have it. Just what the Gardeners have been looking for, viz., an extra early and hard heading cabbage. Wernich's "Three E" or Extra Early Eureka, wins the prize and justly deserves to be placed at the head of the Early Cabbages. It is as early as the earliest of Wakedfield's and as hard as a cannon ball. It is a flat cabbage, very compactly, thus yielding a much larger crop than other early varieties and a splendid keeper, an early sort on account of its solidity. Unexcelled for market and garden use and everyone should give it a trial. Pkt., 5 cts.; oz., 25 cts.; ½ lb., 75 cts.; 1 lb., $2.50.

WERNICH'S **IMPROVED CARROT**

**DANVERS**

The Market Gardeners Carrot.

Undoubtedly the best carrot for general crop and esteemed by market gardeners for its handsome tapering form and rich dark orange color. The seed we offer is grown from carefully selected stock. Wernich's Improved Danvers is far superior to the well-known Danvers in shape, color, and general appearance, while the flesh is tender and sweet. It is almost entirely free from core, and as a cropper outyields all Carrots we know of. An excellent bunching carrot for market. Will grow on all kinds of soil, and as a keeper has no equal. Pkt. 10 cts.; oz., 15 cts.; ½ lb., 35 cts.; 1 lb., $1.00.

**A NEW EXTRA EARLY**

Large Podded, Sweet Wrinkled Pea.

**THOMAS LAXTON.**

This fine new early pea was raised by crossing Gradus, which in itself is a sensationaly early and large-podded variety, with a very early seeding of the Alaska type. In earliness the Thomas Laxton is only two or three days behind the Alaska, but the pods are more than double the size, containing on the average seven or eight very large sweet wrinkled peas of the very richest flavor. The vines attain a height of from three to three and one half feet. It is superior to the Gradus, being earlier, hardier in constitution, and of darker colored pod. It is the best pea of all for market gardeners as well as for private gardeners, and received the award of merit from the Royal Horticultural Society of England. In flavor this pea is not surpassed, being as sweet as the Champion of England, which up to the time of the introduction of the Thomas Laxton, has been in our estimation, the sweetest pea of all. The stock we offer was produced by ourselves from seed obtained at very high cost direct from the introducer, Thomas Laxton, Bedford, England. The quantity we have to offer this season is limited, and we suggest that all those who wish to try this magnificent pea send in their order at an early date.

Large pkt., 15 cts.; pt., 40 cts.; qt., 75 cts. postpaid. By express or freight, qt., 90 cts.; 2 qts., $1.10; 4 qts., $2.00; peck, $5.50; bushel, $12.00.
ROYAL PINKS.
(Dianthus Hedewigii Nobilis).
The Indian Pink has been a favorite flower for many years, being of easy culture and a graceful bloomer, requiring but little attention. Dianthus Hedewigii Nobilis, is an improvement of the old fashioned variety. The flowers are of a beautiful shape and from three to four inches in diameter. The petals are frilled and fringed, giving the flower a graceful appearance. The colors are, first of all, a deep yet very bright blood-red, then shade to carmine and pink and even white. The plants grow vigorous and tall, and gives lots of first-class cut-flowers, which will keep a full week in water. The more the blooms are cut, the more the plant will produce. Pkt., 10 cts.; 3 for 25 cts.

THE AFRICAN LILAC DAISY.
(Arctotis Grandis).
The handsome appearance and elegant habit of this new plant are certain to make it popular. This annual is a native of Southwest Africa, but grows perfectly in our climate.
It forms profusely branched bushes of about 2 to 2½ feet in height and breadth. The leaves are soft and whitish. Its flower heads, borne on long stems and rising well above the foliage, are large and showy, from 2½ to 3 inches across; being pure white on the upper surface, reverse of petals pale lilac. Under the influence of bright sunlight the flowers spread out almost flat, and the pure white of the ray florets contrasts beautifully to the light blue disk with its slightly projecting white stamens, a lovely combination of colors.
Being of very easy culture, on a suitable sunny place, these plants produce their flowers most abundantly and in constant succession from early summer until autumn.
This fine novelty we recommend to all our customers for a trial. Pkt., 10 cts.; 3 for 25 cts.

NEW GIANT FRAGRANT CENTAUREA.
(Centaurea Imperialis.)
This new Centaurea represents the best that has been produced in these beautiful summer-blooming plants. Th bushes are about four feet high, of enormous dimensions, and are covered with large, beautiful flowers and very fragrant. The flowers will keep for over a week in water, if cut just when they are about to open. It is of easiest culture. The color variation is very great, almost infinite. When well known there will be no garden without this beautiful new flower.
Pure White. One of the best white flowers for cutting.
Armida. Very delicate color, pink with white tinge.
Favorita. Brilliant rose.
Graziosa. Intense dark lilac.
Splendens. Brilliant dark purple.
Variabilis. White, marked purple, fading to rose.

SHASTA DAISIES.
(Chrysanthemum Leucanthemum Hybrida.)
"To-day no other, flower can compare in extent of usefulness. Their first qualification is hardiness. They can be grown out of doors by everybody where it is not cold enough to kill oak trees. Second, they are perennial, blooming better and more abundantly each season. Third, they can be multiplied rapidly by simple division, and they are not particular as to soil. Fourth, they bloom for several months—California nearly all the year. Fifth, the flowers are extremely large and graceful—averaging about a foot—often more in circumference, with three or more rows of petals of the purest glistening whiteness, on single, strong, stiff, wiry stems, nearly two feet in length." Pkt., 25 cts.
We desire to call particular attention of our friends and patrons to the following List of Vegetable Seeds, which will be found to embrace all the leading and most popular varieties in cultivation.

We exercise the greatest care in the selection of our stocks of Vegetable Seeds, discarding all varieties that in our experience have proved unworthy of cultivation.

All our Vegetable Seeds are true to name, and their germinating qualities having been effectually tested, they are confidently offered as being THE VERY BEST THAT CAN BE PRODUCED.

Our prices include postage on Vegetable Seeds in packets, ounces, ¼ lb. and pounds. If the purchaser will pay the freight charges, 10c per pound may be deducted from the prepaid prices on vegetable seeds herein offered.

On Beans, Peas, Corn and Onion Sets, we give both prepaid charges and not prepaid charges. Purchasers will please notice.

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<tr>
<th>Cash Discounts</th>
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<tr>
<td>ON PACKETS AND OUNCES</td>
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**ASPARAGUS.**

German—Spargel. French—Asperge.
Spansis. Esparrago.

To grow plants from seed, sow in drills about 1 inch deep, in rows a foot apart. Keep the soil mellow and free from weeds during the summer. "This cut," and the following spring the plants may be set out in beds six feet wide, with a path two feet wide on each side; set the plants about a foot apart each way, four inches below the surface. The deeper the soil and the more manure used, the greater the crop. Annually, after the first cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the fall they should be cut and removed from the beds, and last before winter cover the beds with 4 inches of coarse, strawy manure or leaves, which should be removed in the spring. A bed of 6x60 feet is ample for an ordinary family, and when well established is good for twenty years.

One ounce of seed sows 60 feet of drill. About 400 plants to the ounce.

**Connover's Colossal.** The most approved and standard sort. Pkt. 3c; oz. 7c; ¼ lb. 20c; 1 lb. 50c.

**Giant Argenteuil.** The largest variety. Pkt. 5c; oz. 15c; ¼ lb. 50c; ½ lb. 1 lb. $1.00.

**Palmetto.** Of southern origin: a bright green color. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 50c.

**ARTICHOKE.**

German—Artichoke. French—Artichaut.

Sow in April in hot bed or boxes, and when the ground is ready transplant in hills three feet apart, and the rows two feet apart.

**Large Green Globe.** The standard variety. Pkt. 5c; oz. 30c; ¼ lb. 50c; 1 lb. $5.00.

We deliver all Seeds offered on this page free to any Postoffice in the United States.
Begin Sowing the Dwarf or Bush varieties the first week in May, if the ground is in fit condition. For successive crops sowings may be made every two or three weeks, until the first of July. Sow thinly in drills from 2 to 3 inches deep, and from 18 inches to 2 feet apart. If the soil is rather poor, the former depth will suffice; if rich, the latter. One quart to 100 feet of drill; 2 bushe1s to the acre in drills.

DWARF WAX PODDED VARIETIES.


GREEN PODDED VARIETIES.


BEANS—ENGLISH OR BROAD.

German—Garten- oder Sau-Bohne. French—Fève de Marais.

Plant early in spring in rows about 4 feet apart, sow 4 inches apart in the row and 2 inches deep. As soon as the lower pods are set, pinch off the plant to insure well filled pods. Perfectly hardy.


At prepaid prices we deliver seeds offered on this page free to any Post Office in the United States.
BEANS—Continued.

BUSH LIMA VARIETIES.

Burpee's Bush Lima. A dwarf or bush form of the true large Lima which is of great value. They are of perfect bush form, growing 18 to 20 inches high, of stout and erect growth, yet branching and vigorous. An immense yieIder, each bush bearing from 50 to 200 handsome large pods, well filled with very large beans of luscious flavor. Does not always mature dry shelled beans in this latitude, but you are sure of a good crop of green ones. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.90, bu. $9.75. Henderson's Bush Lima. Earliest and most productive of all Bush Limas. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.90, bu. $9.75. For Field Beans, see page 37.

RUNNING OR POLE BEANS.

Horticultural or Cranberry. Can be used as a shell or snap bean. Prepaid, pkt. 5c, pt. 25c, qt. 40c. Not prepaid, pt. 15c, qt. 25c, peck $1.50, bu. $5.50. Dutch Caseknife. Long fat green pods, and can be used as a shell or snap bean. Prepaid, pkt. 5c, pt. 25c, qt. 40c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $8.75. Lazy Wife. Late beans, white pods long and green. Prepaid, pkt. 5c, pt. 20c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $8.75. Scarlet Runner. Ornamental as well as edible. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $8.65. White Dutch Runner. Same as Scarlet Runner, excepting color. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $8.50. Kentucky Wonder, or Old Home- stead. A very early green podded variety, entirely stringless. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $2.00, bu. $7.50.

POLE LIMA VARIETIES.

Extra Early Lima. Earliest of Pole Limas. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $2.00, bu. $7.00. Large White Lima. Ripens 90 days after germination. Prepaid, pkt. 5c, pt. 20c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $6.25. King of the Garden Lima. Largest of the Limas in pod and bean. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.90, bu. $6.75. Small White or Sioux Lima. Small beans but very productive. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $6.25.

POLE WAX PODDED VARIETIES.

Black German Wax Pole. Well known yellow podded variety. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $6.75. Mont d'Or or Golden Cluster. Ripens ten days later than the Bush Golden Wax. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $2.00, bu. $7.00. Golden Andalusia. Beans white and round, productive. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $6.50.

POLE GREEN PODDED VARIETIES.

Horticultural or Cranberry. Can be used as a shell or snap bean. Prepaid, pkt. 5c, pt. 25c, qt. 40c. Not prepaid, pt. 15c, qt. 25c, peck $1.50, bu. $5.50. Dutch Caseknife. Long fat green pods, and can be used as a shell or snap bean. Prepaid, pkt. 5c, pt. 25c, qt. 40c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $8.75. Lazy Wife. Late beans, white pods long and green. Prepaid, pkt. 5c, pt. 20c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $8.75. Scarlet Runner. Ornamental as well as edible. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $8.65. White Dutch Runner. Same as Scarlet Runner, excepting color. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $8.50. Kentucky Wonder, or Old Home- stead. A very early green podded variety, entirely stringless. Prepaid, pkt. 5c, pt. 30c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $2.00, bu. $7.50.

POLE SPROUTS.

German—Sprossen Kohl. French—Chou de Bruxelles. Spanish—Bretones de Bruxelas.

This is one the most delicious of all vegetables, and of easy growth, but is not so well known in America as it deserves. Pro- duces on the stem small heads resembling miniature cabbages. The sprouts are used as greens and become tender when touched by the frost. Sow in May and manage as winter cabbages. In the fall the leaves should be broken down so that the little cabbages will have more room to grow.

At prepaid prices we deliver all Seeds offered on this page free to any Postoffice in the United States.
CAULIFLOWER.


Sow seed in the hot-bed in January or February and transplant the plants two or three inches apart in boxes, or in the soil of another hot-bed, until such time as they are safe to be planted in the open ground, which in this latitude is usually from the 15th of March to the 15th of April. Set the plants 2 feet by 15 inches apart. If properly hardened off, they are seldom injured by being planted out too early. When heading, tie the outside leaves loosely over the head to protect it from the sun. Water plentifully in dry weather. One ounce of seed gives 1,500 to 2,000 plants.

Wernich's Earliest Snowball. The sort for Market gardeners to use. Wernich's Early Snowball Cauliflower is of dwarf, compact habit. Almost every plant will make a large head of pure white color, and of the best quality. Not only is this the best early variety, but it is superior to all others for fall use. Pkt., 15 cts.; ½ oz., $1.35; oz., $2.50; 1 lb., $9.00.

Wernich's Selected Earliest Dwarf Erfurt. The earliest of the earlies. Very dwarf, small leaved; can be planted twenty inches apart and forced. Makes a fine firm head, of snowy whiteness, tender and of delightful flavor. Pkt., 10 cts.; ½ oz., $1.35; oz., $2.50; ½ lb., $8.00.

Early London. Where extreme earliness is not essential this will be found one of the best. Pkt., 5 cts.; ½ oz., 35 cts.; oz., 50 cts.; ½ lb., $1.25; 1 lb., $6.50.


We deliver all Seeds offered on this page free at prices quoted to any Postoffice in the United States.

The Carrot, like other root crops, flourishes best in a well enriched sandy soil, deeply tilled, and if plowed the fall before, all the better. Should be sown in early spring in drills from 15 to 18 inches apart, finally thinning plants to about three or four inches apart in the drill; keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered, and your crop is lost. The seed is slow to germinate, and if sown early or on moist soil, half an inch is deep enough to cover the seed. One ounce sows 150 feet of row. Four pounds will sow an acre.

Wernick's Improved Danvers. For description see Novelties Page 3.


CELERIAC.


A variety of celery having turnip-shaped roots, which, when cooked, sliced and used with vinegar, makes an excellent salad.


Large Smooth Prague. Extra Select. In our extra select stock we claim we have got the finest strain of Root Celery it is possible to produce. The bulbs are globe-shaped, large, smooth, and are cut directly from side roots. Pkt., 5 cts.; oz., 25 cts.; ¼ lb., 65 cts.; 1 lb., $2.20.
Main Crop Varieties.

ALL HEAD EARLY.

The most profitable Early Cabbage for market gardeners. The best all-the-year round Cabbage for the home garden.

Heads flat, deep, and solid; fine and tender; valuable also for late; seeds sown in July and set out in August will make fine heads. Largely planted by market gardeners. Nearly 10,000 can be grown on an acre, and nearly every one will produce a head. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 65 cts.; lb., $1.25.


Fottler's Brunswick. Short stem. We have a superior strain of this seed which brings large, flat, solid heads of excellent quality. Stem very short. A sure header and good shipper. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 40 cts.; lb., $1.50.


SURE HEAD.

This famous Cabbage is most appropriately named for it can be relied upon with certainty to head even under unfavorable circumstances. The heads are large, very hard, firm, fine in texture, and sweet flavored. It is a late variety, keeps well, is good for shipping and is a favorite sort with market gardeners and for home use. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., $2.00.

CABBAGE PLANTS.

Will quote prices on Cabbage Plants in quantities of 500 or over.

At prices quoted we deliver all Seeds offered on this page free to any Postoffice in the United States.

CABBAGE


For early use, sow seeds of the early kinds in the hot-beds or in a box in the house the last of January or early in February, and transplant them in the open ground in April, in rows two feet apart, and eighteen inches between the plants in the row; or sow a bed of seed outside as soon as the soil can be worked, if you do not care for real early cabbage. These may be transplanted in about four weeks. For second early cabbage, sow in April and transplant in May. For late cabbage, sow in May and transplant in July, in rows three feet apart and two feet between the plants in the row. One ounce of seed produces about 2,500 plants. Four ounces grow enough to set an acre.

Early Varieties.

WERNICH'S THREE "E" OR EXTRA EARLY EUREKA.

See Novelties Page 3.

WERNICH'S EARLIEST OF ALL.

Heads the list as the earliest Cabbage in cultivation, maturing in from 80 to 83 days from sowing the seed. It has but a few outer leaves, almost every plant forms a small conical head of a yellowish green color. In quality it is the best. Desirable for early market or home use. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 40 cts.; lb., $1.40.

Early Jersey Wakefield. Select Stock. Long recognized as the best earliest marketable cabbage. Medium in size, in shape pyramidal with a pointed peak. Hardy plants can be wintered in cold frames. A reliable, certain header and one of the most profitable cabbages for the market gardener. Our strain of seed is of superior quality. Pkt., 5 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., $2.50.

Eclipse. One of the earliest of the large cabbages. Heads very uniform in size with very few leaves, remarkably solid and very tender. Stem very short; color, dark green. Pkt. 5 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., $2.50.

CABBAGE.

LATE VARIETIES.

WERNICH'S HOLLAND OR DANISH BALLHEAD.

The Best Cabbage for Early Spring Sales.

This entirely distinct variety comes from Denmark. It has been cultivated in America for five or six years and has proved a very desirable winter cabbage both on account of its uniformity in heading and from its extreme-

lently hard, solid head, which gives it superior keeping quali-
ties. The heads are nearly round, almost as deep as they are wide. Color, blue green. The hard heads keep exceedingly when buried and present an attractive appear-
ance when offered in the spring market. It has been thoroughly tested and may be relied upon to meet every claim made for it. Pkt., 5 c.; oz., 30 c.; ¼ lb., $1.00; 1 lb., $3.75.

THE LUPTON.

A New Winter Variety.

This variety originated with one of the largest Cabbage seed growers of Long Island, whose name it bears, and we recommend it for the following points: The heads are particularly large in proportion to the plant, which is a strong grower, but does not spread out much. The stalk is rather short and color is a rich green; it is one of the best keepers and comes out in the spring bright and fresh. It is more uniform and heads better than other late varieties. Pkt., 5 c; oz., 20 c.; ¼ lb., 60 c.; 1 lb., $2.00.

LARGE LATE DRUMHEAD.

Excellent winter vari-
ety with a broad, flat or round head, very compact and solid short stamp, tender and good flavored, an excellent keeper. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 50 cts.; 1 lb., $1.75.

SELECTED PREMIUM FLAT DUTCH.

A low growing vari-
ety, heads large, bluish green, round, solid broad and flat on the top, an excellent fall and winter variety, and a good keeper. It is a sure header. Our stock has been grown from carefully selected heads. Large pkt., 5 cts.; oz., 15 cts.; ¼ lb., 50 cts.; 1 lb., $1.75.

LUXEMBOURG.

This makes a very hard head of good size, extraordinary weight, and is remarkable for its keeping qualities. It is a grand sort for late spring sales, for after many kinds are gone it retains its bright green color. As a shipper it ranks with the best. As a header it cannot be equalled.


ALL SEASONS.

Much grown by mar-
ket gardeners and is al-
so an excellent variety for home use. Remark-
able for its ability to stand hot sun and dry weather. Makes solid, round heads of large size. It is both an early and late variety and is appropriately named. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; 1 lb., $2.00.

RED LEAVED CABBAGES.


Large Red Dutch. By far the best, largest and sweet heading red cabbage. Color, deep rich red. Many successful market gardeners choose this for their entire crop of red cabbage, pronouncing it the best of all. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 50 cts.; 1 lb., $1.75.

Mammoth Rock Red. A splendid large growing Red Cabbage; heads have frequently been grown to 12 lbs. each. Color deep red through to center of head. An excellent sort, and a sure header. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; 1 lb., $2.00.

SAVOY CABBAGES.

American Drumhead Savoy. The best of its class for home use or market. Heads large, solid and compact. Has rich, sweet flavor of the cauliflower when cooked. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 50 cts.; 1 lb., $1.75.

Early Dwarf Um Savoy. Heads medium size, round and solid; leaves deep green and finely wrinkled. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 50 cts.; 1 lb., $1.75.

We deliver all Seeds offered on this page free to any Postoffice in the United States.
SOW in rows four and a half feet apart, or plant in hills, if in rich soil, a distance of about four feet each way. If the soil is poor, the variety dwarf, the distance apart may be increased. Begin planting in May and continue until the last week in July. One quart to 200 hills; 8 to 10 quarts to the acre, in hills.

First of All. Corn is ready for the table from three days to a week earlier than the Cory, making it very desirable, only for family gardens, but extremely valuable to grow for the market. The earliest corn gives the best prices. The ears are of medium size, well filled with large grains to the tip. Many of the ears contain ten or twelve rows. In bulk of growth it is rather dwarfer than the Cory, although similar in appearance, and similar in quality, tender and sweet. Prepaid, pkt., 5c; pt., 15c; qt., 30c; not prepaid, pt., 10c; qt., 20c; peck, $1.40; bu., $5.00.

Extra Early Adams. Very early, but more of the quality of field than of sweet corn. It is, however, the standard extra early variety in the south, and can be depended upon to save a crop there when most other sorts fail. Prepaid, pkt., 5c; pt., 15c; qt., 30c; not prepaid, pt., 10c; qt., 20c; peck, $1.40; bu., $5.00.

Early Cory (Red Cob). Recognized throughout the United States as the standard early sweet Corn. Ears eight-rowed, with red cob and broad light pink grains. A profitable and desirable early market. Prepaid, pkt., 5c; pt., 15c; qt., 30c; not prepaid, pt., 10c; qt., 20c; peck, $1.40; bu., $5.00.

Early Minnesota. An old, but most excellent variety both for market and home use. Ears fair size and uniform, eight-rowed, kernels tender and sweet; color white. Nearly as early as Cory. Prepaid, pkt., 5c; pt., 15c; qt., 30c; not prepaid, pt., 15c; qt., 20c; peck, $1.40; bu., $5.00.

Perry's Hybrid. Nearly as early as Minnesota, with large ears, twelve to fourteen rowed, averaging two ears to a stalk. Kernels large, cooking white and tender. Prepaid, pkt., 5c; pt., 15c; qt., 30c; not prepaid, pt., 10c; qt., 20c; peck, $1.40; bu., $5.00.

Chicago Market. It has many good points to commend it, chief among which are earliness, large size, fine appearance (being well shaped for quantity) and great production, two or three ears to a stalk, and superior table quality. It is twelve rowed, cob white, a stout, stocky grower, and is equally valuable for the home gardener and the trumper. Prepaid, pkt., 5c; pt., 15c; qt., 30c; not prepaid, pt., 10c; qt., 20c; peck, $1.40; bu., $5.00.

Concord. Of strong growth, ears large and well filled; medium late. Prepaid, pkt., 5c; pt., 15c; qt., 30c; not prepaid, pt., 10c; qt., 20c; peck, $1.40; bu., $5.00.

Country Gentleman. An excellent Corn for family use. The ears are a good size with a small cob, and very deep, clear white kernels, tender and sweet. It is very productive, many of the stalks bearing three or four ears. Prepaid, pkt., 5c; pt., 15c; qt., 30c; not prepaid, pt., 10c; qt., 20c; peck, $1.40; bu., $5.00.

Stowell's Evergreen. A favorite with gardeners and canners. Planted at the same time with earlier kinds it will keep the table supplied until October. Prepaid, pkt., 5c; pt., 20c; qt., 35c; not prepaid, pt., 10c; qt., 20c; peck, $1.40; bu., $5.00.

Black Mexican. Although the ripe grain is black or blue-black in color, the corn, when in condition for table cooks almost white. It is very sweet and tender. Once tried in the family garden, it is sure to be continued. Prepaid, pkt., 5c; pt., 15c; qt., 30c; not prepaid, pt., 10c; qt., 20c; peck, $1.40; bu., $5.00.

Mammoth Sugar. Ripens a little later than the Evergreen. Large ears. Kernels flat. Largely used by canners and market gardeners. Prepaid, pkt., 5c; pt., 15c; qt., 30c; not prepaid, pt., 10c; qt., 20c; peck, $1.40; bu., $5.00.

CHERVIL.

French—Cerfeuil. German—Gartenkerbel.
Cored. The stalks are used in soups and salads. Sow in May in drills half an inch deep. 1 oz. to 100 feet of drill 1 foot apart. Pkt., 5c; oz., 10c 1/2 lb., 25c; 1 lb., 75c.

CHICORY.

German—Cichorienwurzel. French—Cicorée Sauvage. Spanish—Aciorra. 1 ounce for 100 feet of drill.
The roots dug in the fall, dried, cut into thin slices, roasted and ground, are used largely as a substitute for Coffee. Seed should be sowed thinly in shallow drills early in the spring. When well started, thin out to stand two or three inches apart and give good cultivation, so that the roots may grow as large as possible.

Large-rooted or Coffee. The standard. Pkt., 5c; oz., 10c 1/2 lb., 25c; 1 lb., 50c.

CHIVES.
The tops appear very early in the spring and can be sown throughout the season. Every garden should contain a few clumps. By some considered indispensable for use in omelettes. Pkt., 5c; 1/2 oz., 25c; oz., 40c.

CHILKOV.


CHEVIL.

French—Cerfeuil. German—Gartenkerbel.
Cored. The stalks are used in soups and salads. Sow in May in drills half an inch deep. 1 oz. to 100 feet of drill 1 foot apart. Pkt., 5c; oz., 10c 1/2 lb., 25c; 1 lb., 75c.

CHICORY.

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Large-rooted or Coffee. The standard. Pkt., 5c; oz., 10c 1/2 lb., 25c; 1 lb., 50c.

CHIVES.
The tops appear very early in the spring and can be sown throughout the season. Every garden should contain a few clumps. By some considered indispensable for use in omelettes. Pkt., 5c; 1/2 oz., 25c; oz., 40c.
CUCUMBERS.


Plant in hills four feet apart, in well prepared, warm, rich loamy soil. Mix a sheafful of well-rotted manure in each hill. The fruit should be picked when large enough, whether they are wanted or not, as it destroys the vitality of the vine if left to ripen. One ounce to 50 hills; two pounds to the acre. In hills.

WERNICH’S CHICAGO PICKLING.

It is undoubtedly the best cucumber for pickles, and is used almost exclusively by our pickle factories. The fruit is of medium length, pointed at both ends, with large and prominent spines; color deep green; begins to set its fruit when the vines are quite young. Pkt. 5 cts.; oz. .15 cts.; 1/4 lb., .55 cts.; 1 lb., $2.00.

Giant Pera. Flesh clear white and very crisp. Pkt. 5 cts.; oz. .15 cts.; 1/4 lb., .60 cts.; 1 lb., $2.00.

Cool and Crisp. As a Cucumber for slicing, we know of none better. Long and slim, pointed at the ends, very dark green, almost black. One of the earliest. Pkt. 5 cts.; oz. .15 cts.; 1/4 lb., .50 cts.; 1 lb., $1.90.

Green Prolific. Great bearer of medium sized fruit that is excellent for slicing as well as for pickling. Pkt. 5 cts.; oz. .15 cts.; 1/4 lb., .50 cts.; 1 lb., $1.75.

Boston Pickle. A favorite eastern variety of fine quality. Pkt. 5 cts.; oz. .15 cts.; 1/4 lb., .50 cts.; 1 lb., $1.75.

Early Short Green. Productive and good for pickling. Pkt. 5 cts.; oz. .15 cts.; 1/4 lb., .50 cts.; 1 lb., $1.60.


Improved Long Green. Long and crisp; good for pickling. Pkt. 5 cts.; oz. .15 cts.; 1/4 lb., .60 cts.; 1 lb., $2.00.

Improved White Spine. An early sort of fine shape and quality. Pkt. 5 cts.; oz. .15 cts.; 1/4 lb., .50 cts.; 1 lb., $1.75.

West India Gherkin. The smallest cucumber known, and exclusively used for pickling. Pkt. 5 cts.; oz. .15 cts.; 1/4 lb., .50 cts.; 1 lb., $1.75.

EGG PLANT.


Sow in a hot-bed the first week in March, and plant out in June, about 21/2 feet apart. For a small garden a few seeds may be raised in common flower-pots in the house. One ounce to 150 feet of drill.

Improved New York Spineless. Very large and smooth, fine dark color. Pkt. 5 cts.; oz. .35 cts.; 1/4 lb., $1.00; 1 lb., $3.50.

LETTUCE.


If wanted for early spring use, sow in seed bed in September or October, and protect through the winter with cold frames, or in the South with leaves or litter, or sow in a hot bed in early spring; as soon as the ground can be well worked, transplant in good, rich ground, two rows eighteen inches apart, and eight to ten inches in the rows. For a later supply, plant every two varieties according to their heat resistance. If sown outside, to be cut young, sow thickly in drills or broadcast; but like deep, eighteen inches apart, and thin, rather than of seed makes 2,000 plants.

Grand Rapids. As a distinctively forcing lettuce this variety undoubtedly stands at the head of the list; it is largely grown for shipment, and is considered by many the best loose leaf lettuce for forcing under glass. Leaves medium size, of light, yellowish green color, uneven crimped and frilled, thin but of very upright growth; forms a fair size but loose head; crisp, tender and of good quality. Pkt., 5 cts.; oz., 10 cts.; lb., 25 cts.; lb. 95 cts.

Black Seeded Simpson. An excellent forcing variety. In Chicago and other western cities, this is the most popular and best selling lettuce that can be grown. It differs from the Early Curled Simpson in being much lighter in color, the leaves being nearly white and attaining nearly double the size of that variety. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 80c.

Prize Head. Plant large, deep green, so washed with red as to appear more red than green, forming a head of a dense mass of leaves rather than one like a cabbage, and very slow to run to seed; leaves large, nearly round, frilled at the edge and densely blistered. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; 1 lb., 85 cts.

Early Curled Silesian. This variety does not head, but forms a compact, close mass of leaves. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 90 cts.


Iceberg. (New.) Of beautiful appearance and excellent quality; leaves green, slightly tinged with red at the edge; heads good size. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; 1 lb., $1.00.

St. Louis Butter. This is a great favorite with Chicago gardeners, owing to its solidity, crispness and good flavor. It withstands the summer heat extremely well and is slow to run to seed. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 50 cts.; 1 lb., $1.00.

Silver Ball. An all year round lettuce of excellent qualities; good for early spring, summer and winter forcing; silver white solid heads with beautiful curled leaves. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; 1 lb., $1.00.

St. Louis Forcing. This is the leading forcing variety with the St. Louis Market Gardeners. The best for forcing or early planting out doors. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; 1 lb., $1.50.


Silver Seeded Butter. A valuable variety for late spring or summer planting, as it will stand the heat better than most sorts, and is slow to go to seed. Its large, solid yellow heads are very crisp and tender, Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 85 cts.


WERNICH'S NEW FORCING HEAD LETTUCE.

WERNICH'S PRIVATE STOCK.

Excellent for Cold Frames. Has no Equal for Open Ground.

The most satisfactory variety for producing fine, large solid and well balanced heads, excellent for cold frames or growing in the open ground. Very sure and compact heading and resists the sun a long time before shooting into seed. Leaves are curly and crumpled. Market Gardeners will find this a very good yielding sort, a ready seller and money getter. We advise all Gardeners to, at least, make a trial this year. We have the only Genuine Seed of this valuable Lettuce. A trial will convince you that "Wernich's Private Stock Lettuce" has yet to find its equal. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 50 cts.; 1 lb., $1.50.
WATER MELON.


A light, sandy soil, with good exposure to the sun, is the best for Watermelons. It should be prepared deep, but receive shallow cultivation and thoroughly. If extra large melons are desired for exhibition purposes, leave but one or two melons on a vine. Plant in hills eight to ten feet apart, each way, with a shovelful of well rotted manure mixed with the soil in the hill. Plant eight or ten seeds in each hill, and, finally, when danger from insects is past, leave but three strong plants. One ounce of seed for thirty hills; one to two pounds for an acre.

COLE’S EARLY. A delicious and productive variety for the family garden, succeeding in Northern states. It is so early that it matures in every state; very hardy. The flesh is deep red in color, clear to the rind, and is most sweet and delicate in flavor. Pkt. 3 cts.; oz., 10 cts.; ½ lb., 25 cts.; lb., 75 cts.

Oblong Citron. A rich, tender, oblong melon, having a rind of such remarkable strength and impermeability, as to render it perfectly “iron-clad;” hence the best shipper produced to date. Flesh red, sweet, tender, crisp and juicy. Heart very large. The keeping qualities of this melon are remarkable. Whether plucked or left upon the vines, they remain perfectly fresh fully one month after ripening. Pkt. 3 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.

MAMMOTH IRON-CLAD. Monstrous, striped, oblong melon, having a rind of such remarkable strength and impermeability, as to render it perfectly “iron-clad;” hence the best shipper produced to date. Flesh red, sweet, tender, crisp and juicy. Heart very large. The keeping qualities of this melon are remarkable. Whether plucked or left upon the vines, they remain perfectly fresh fully one month after ripening. Pkt. 3 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.


MUSK MELON.


A rich, sandy soil is most desirable for melons. The seed should be planted when the ground has become warm, in hills six feet apart each way. Old, well-rotted manure should be thoroughly mixed with the soil in each hill; six to ten seeds in the hill; finally, when danger from insects is past, leave three or four of the strongest plants only. If the plants grow very rank, the tips of the strongest shoots should be pinched off when about three feet long; also if the fruit is excessive, they may be thinned out, which will cause the melons to ripen earlier. The size of the fruit, the Melons may be forced like cucumbers, and the practice is growing in favor annually among melon men, as the method becomes better understood, and on account of the large profit gained by having home-grown melons in market some days ahead of the outside planting. Cultivate thoroughly and often. One ounce of seed for sixty hills; two or three pounds for an acre.


Winter Pineapple. An extraordinary melon, which can be kept in splendid condition for months after harvesting; late. Pkt. 5 cts.; oz., 15 cts.; ¼ lb., 50 cts.; lb., $1.75.


Long Yellow Cantaloope. Yellow flesh; very hardy and adapted for the north. Pkt. 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., $1.00.


Paul Rose. A new red fleshed melon, a cross between the well-known sage and Netted Gem, which gives the sweetness of the former and the netting of the latter. Pkt. 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., $1.00.


Winter Pineapple. An extraordinary melon, which can be kept in splendid condition for months after harvesting; late. Pkt. 5 cts.; oz., 15 cts.; ¼ lb., 50 cts.; lb., $1.75.


Long Yellow Cantaloope. Yellow flesh; very hardy and adapted for the north. Pkt. 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., $1.00.
The Onion thrives best in rather strong, deep, loam soil, which should be well enriched with old well-rotted manure or compost, or what is better, deeply trench, add manure the autumn previous to sowing, and lay upon ridges during the winter to soften. Sow the seed in drills about one-quarter inch deep and one foot apart. To ensure quick and safe germination after sowing the seed, the drills should be trowed along evenly with the foot, and raked even so that the hot, dry atmosphere may not dry up and destroy the sprouting seed. When three inches high, thin to two inches apart. Hoe frequently to keep down weeds. In the seed rows where the hoe cannot be used, the soil should be stirred with the fingers, otherwise weeds will quickly grow and choke the crop. One ounce of seed will sow one hundred feet drill; four pounds to the acre.

**Austrian Brown.** An extra early, long-keeping, medium sized globe shaped Onion, ripening three or four weeks ahead of Red Wethersfield. The color is a clear brown amber, and they are remarkable keepers, onions having been kept a whole year in first-class condition. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

**Improved Globe Wethersfield.** An improvement over the old Red Wethersfield, from which it differs not only in purity of stock, and perfection of shape, but in earliness, productiveness and beauty of color. Globe-shaped Onions are preferable and more profitable than flat varieties to grow, as they occupy no more room in the row, but weigh more and measure better. Pkt., 10c; oz., 25c; ¼ lb., 60c; 1 lb., $2.25.

**Minnesota White Globe.** A new white onion of handsome shape, and beautiful appearance. The outer skin possesses that lustre so desirable and yet so often lacking in White Globe stock. Flesh pure snow white and of an extremely mild flavor. Pkt., 10c; oz., 25c; ¼ lb., $1.00; 1 lb., $8.00.

**Giants Yellow Zittna.** A long keeping onion. Of fine form and color. A good cropper and one of the best for shipping. Grows to a large size and has a fine mild flavor. An Onion that will meet with much favor amongst Market Gardeners. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., $2.00.

**White Portuguese.** A large, flat, clear, white-skinned onion of handsome appearance and mild flavor. It is desirable for family use and is also planted for sets and pickles. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., $2.00.

**Yellow Globe Danvers.** Select Stock. Our Seed of this variety is the very best to be obtained and is of a stock of the true Globe shape. Its uniformity of size and shape of bulbs and its long keeping qualities places it in the lead of all yellow onions. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., $1.00.

**Round Yellow Danvers.** Same as the preceding, but flatter, ripens early, is of good size and flavor. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c.

**Extra Early Flat Red.** A medium sized variety, producing abundantly and coming into use about two weeks earlier than Red Wethersfield. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., $1.15.

**Large Red Wethersfield.** A large cropper, and one of the best for marketing and shipping. Grows to large size. Strong flavor. A good sort, but not to be compared with our Improved Globe Wethersfield. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., $1.10.

**Yellow Strasburg.** One of the best keeping sorts. Bulb flat, skin dark yellow, flesh white, solid and mild flavored. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., $1.00.

**Southport White Globe.** A large, handsome, globe-shaped onion, skin and flesh a beautiful clear white. Flesh firm, very fine grained and exceedingly mild in flavor. A splendid keeper, and always commands a high price in the market. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., $2.00.

**Extra Early Red Globe.** Of the well-known Southport strain, maturing as early as the early Flat Red and Danvers. The Southport Strains are much sought after, owing to their handsome appearance and to their being much heavier croppers than the flat types. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.00.
ONION SEED—Continued.

PRIZE TAKER ONION.

It is globe-shaped; of a clean, bright yellow or straw color. Has a small neck and ripens up hard. Keeps well until about midwinter. Flesh thick, white, mild and agreeable in flavor. It is easily grown, medium early in maturing. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 40 cts.; lb., $1.35.

BERMUDA ONIONS.

Bermuda Island White. Grown in many sections of the South to the exclusion of all other sorts, for the Northern market. Very early and profitable. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., $2.00.

Bermuda Island Red. Same as Bermuda White, except in color, which is red. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., $2.00.

WHITE ONIONS.


White Pearl. Extra early: a splendid Italian Onion of mild flavor; skin and pure white. Good keeper. This onion has won first premium at all fairs whenever shown. Our strain is particularly fine. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., $2.00.

PICKLING VARIETIES.


White Silverskin. For bunching or pickling. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., $2.00.

Bottom Sets are sold by measure. Multiplier, Button and Egyptian, by weight, 28 lbs. for a bushel.

Onion Set Prices. Prices are based on the present market rates and are subject to change, according to the market, without notice. Lowest market prices on small or large quantities will be given on application at any time.

BOTTOM ONIONS, OR ONION SETS.

Are produced by sowing the seed thickly in the spring, in beds or drills, and about the end of July, or whenever the tops die down, the little bulbs or sets are gathered and reset in the spring to make large Onions.

Yellow Bottom Sets. Prepaid, pt., 15c; qt., 25c; Not prepaid, pt., 10c; qt., 15c; peck, 65c; bu., $2.25.

White Bottom Sets. Prepaid, pt., 15c; qt., 30c; Not prepaid, pt., 10c; qt., 20c; peck, 80c; bu., $2.75.

Red Bottom Sets. Prepaid, pt., 15c; qt., 30c; Not Prepaid, pt., 10c; qt., 20c; peck, 80c; bu., $2.75.

WINTER EGYPTIAN, OR PERENNIAL TREE.

When once set out they grow for years without protection. They form no large bulbs, but divide and grow as many as fifteen or twenty small onions in a bunch. Prepaid, pt., 15c; qt., 25c. Not prepaid, pt., 10c; qt., 15c; peck, 65c; bu., $2.00.

ITALIAN ONIONS.


White Pearl. Extra early: a splendid Italian Onion of mild flavor; skin and pure white. Good keeper. This onion has won first premium at all fairs whenever shown. Our strain is particularly fine. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., $2.00.

TOP SETS OR BOTTOMS, "TOPPYS."

These produce the small clusters on the top of the stem. These small ones are planted in the spring and the result is large onions, and these large ones, with one year's growth, produce the clusters on top. Prepaid, pt., 15c; qt., 30c. Not prepaid, pt., 10c; qt., 20c; peck $1.00; bu., $3.50.

MULTIPLIERS, OR SHALLOTS.

(Potato Onion Sets). Are enormously productive, frequently producing as many as twenty bulbs in a single cluster from a single bulb planted; of excellent quality and size for bunching green; or can be ripened for use as pickling onions.

White Shallots. Prepaid, pt., 25c; qt., 40c. Not prepaid, pt., 20c; qt., 30c; peck, $1.00; bu., $3.75.

Yellow Shallots. Prepaid, pt., 25c; qt., 40c. Not prepaid, pt., 20c; qt., 30c; peck, $1.00; bu., $3.75.
GARLIC.


Sow in open ground, or in hot beds in open air. In pots, or in cold frames. The seed is very small. It is rich in food value.

**BULBS.** Per lb., 5 cts.; 1/2 lb., 20 cts.; 1 lb., 35 cts.


**KOHL-RABI.**


Sow in prepared beds, middle of April to beginning of May, and transplant beginning of June same as Cabbage. All the varieties are very hardy, and are best when touched by frost 1 oz. to 1,500 plants.


**LEEK.**


Sow early in spring, and when plants are three or four inches high, thin to eight inches apart. Hoe the earth well up to the stalk to blanch it. One ounce to 25 drills.


**Large Carentan.** A superior sort; dark leaves, very hardy. Pkt., 5 cts.; oz., 15 cts.; 1/4 lb., 40 cts.; lb., $1.35.

**MARTYNIA.**

Sow in May, in the open ground, three feet apart in each direction, where the plants are to remain; or, the seed may be sown in a hot-bed, and the seedlings afterward transplanted. Pick when small and tender, and preserve the same as cucumbers.

**Proboscis.** Pkt., 5 cts.; oz., 30 cts.; 1/4 lb., $1.00; lb., $3.00.

**MANGO MELON.**

(Vegetable Vine Peach).

They are excellent for preserves or sweet pickles, and when fully ripe, are considered a delicacy sliced raw and served with sugar. Pkt., 5 cts.; oz., 15 cts.; 1/4 lb., 40 cts.; 1 lb., $1.25.

**MUSTARD.**


Mustard is not only used as a condiment, but the green leaves are used as a salad, or cut and boiled like Spinach. Cultivate same as Cress.

**White English.** The leaves are light green, mild and tender when young; seed, light brown. Pkt., 5 cts.; oz., 10 cts.; 1/4 lb., 15 cts.; 1 lb., 40 cts.


**GARDEN LEMON.**

Resembles the Vine Peach. In Fruit is of the manner of growth—shape shown in our engraving is somewhat smaller than Vine Peach, has thinner flesh, and is decidedly more acid, thus dispensing with sliced lemons which are so important in putting up the Vine Peach. As a fruit, it preserves it cannot be excelled. Pkt., 10c.; oz., 15c.; 1/4 lb., 50c.

**MUSHROOM SPAWN.**

Mushrooms can be grown in a cellar, in sheds, or in hot beds in open air, on shelves, or out-of-the-way places. Fermenting horse manure at a temperature of about 70 degrees, mixed with an equal weight of fresh sod loam, is made into beds the size required, eight inches deep. See to it that the bed is packed very solidly and evenly. In this bed plant the broken pieces of spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant eight to ten square feet of bed. The mushrooms will appear in about six weeks. Water sparingly and with Luke warm water.

**English.** In bricks. Prepaid, 1 lb., 25 cts. Not prepaid, 1 lb., 15 cts.; 8 lbs., $1.00.

**French.** Loose. Prepaid, 1 lb., 50 cts.; 3 lbs., $1.25. Not prepaid, 1 lb., 40 cts.; 3 lbs., $1.00.


**OKRA OR GUMBO.**


The pods, when young, are used in soups, stews, etc., and are very nutritious. Sow at the usual time of all tender vegetables, and set the plants from two or three feet apart in drills.

**PARSNIPS.**


Cultivate as for Carrots. It is customary to leave Parsnips in the ground over winter as frost improves the quality of the roots.


**Hamburg or Turnip Rooted.** The roots are used for flavoring soups. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 20 cts.; 1 lb., 60 cts.

**PARSLEY.**


Sow early in Spring half an inch deep, previously soaking the seeds for a few hours in tepid water. One ounce to 150 feet of drill.


**Plain.** The leaves are plain; it is harder than the curled. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 15 cts.; 1 lb., 50 cts.

**Hamburg or Turnip Rooted.** The roots are used for flavoring soups. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 20 cts.; 1 lb., 60 cts.

**PIE PLANT.**—WINE PLANT.


A deep, rich soil is best for Rhubarb. Sow early in drills eighteen inches apart and one inch deep: the spring following transplant, allowing each plant at least two feet square; each fall mulch with manure. One ounce makes about 400 plants.


**RHUBARB.**


A deep, rich soil is best for Rhubarb. Sow early in drills eighteen inches apart and one inch deep: the spring following transplant, allowing each plant at least two feet square; each fall mulch with manure. One ounce makes about 400 plants.

**Procupp’s Giant.** Scarlet red fruit, eight to ten inches in length and three inches in diameter. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 80 cts.; 1 lb., $3.00.

**Ruby King.** Large, bright red fruit; mild. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 65 cts.; 1 lb., $2.25.

**Sweet Spanish.** (Bell Shaped). A pickling variety. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; 1 lb., $2.00.


**PEPPER.**


Sow in hot-beds in March, and when the soil has become warm, set in rows two feet apart and eighteen inches in the row.

**Procupp’s Giant.** Scarlet red fruit, eight to ten inches in length and three inches in diameter. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 80 cts.; 1 lb., $3.00.

**Ruby King.** Large, bright red fruit; mild. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 65 cts.; 1 lb., $2.25.

**Chili Red.** Productive and largely used for pickling. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; 1 lb., $2.25.

**PUMPKINS.**


Plant in May or early June, in hills eight feet apart each way. One ounce for fifteen hills: four to six pounds to an acre.

**Calhoun.** Very superior quality, yellow flesh, fine for pies. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; 1 lb., 70 cts.

**Large Cheese.** Flat, and one of the best varieties for family use. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; 1 lb., 50 cts.

**Wernich’s Mammoth Giant.** The largest of all sorts, sometimes weighing 200 lbs. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 35 cts.; 1 lb., $1.15.


**SEA-KALE.**


Grown for its blanched shoots, which are cooked as Asparagus. By putting the roots closely in a warm cellar, a supply may be had all winter. Sow in drills two feet apart, thin out to six inches, and the following spring plant in hills three feet apart. Pkt., 10 cts.; oz., 30 cts.; ¼ lb., $1.00; lb., $3.00.

**Turnip Rooted Parsley.**

**Double Curled Parsley.**
PEAS.

For first early Peas sow in a light, rich soil, as early in March or April as the ground can be worked; for later varieties, sow in April or May. Discontinue sowing from June to August, after which, by sowing an extra early sort, a good crop can generally be secured. As Peas suffer considerably from drought during the hot summer months, it will be found of great benefit to sow the Peas in a trench six inches in depth, covering the Peas to a depth of two inches. As soon as sufficient growth has been made draw the earth about the vines. In this way a great deal more moisture is kept about the roots than if sown on the level and afterwards hilled up. The wrinkled varieties are not so hardy as the smooth sorts and should be planted later, owing to their liability to rot in the ground, but are much superior in flavor to the smooth Peas. Dwarf varieties sow in rows one foot apart, and the taller sorts from two to three feet apart.

One quart to 13 feet of drill. Two bushels to an acre in drills. Those marked ($) are wrinkled.

EXTRA EARLY VARIETIES.

Gradus or Prosperity. This Pea grows about thirty inches high, requires no support, though sticks or bushes can be used if preferred. The pods are large, nearly round and plump, bright green in color, well-filled with peas that are sweet, rich and mellow.

One market gardener says of it: "Gradus is nice looking, easy to pick, and sells better than the smaller kinds." It is a grand pea in all respects—is now recognised as a leader. Every gardener would do well to make a planting of Gradus. Prepaid, pkt., 10c; pt, 30c; qt., 55c. Not prepaid, pt., 20c; qt., 40c; peck, $1.00; bu., $10.00.

Wernich's "First and Best." The Earliest of the Earlies. This is the best variety for market gardeners to plant, and for home use we have yet to find a better. Grows about 30 inches high. Vines vigorous, extremely prolific, the pods being numerous and well filled with peas of good size and delicious flavor. A further good quality is that of ripening with great uniformity so that the vines can be stripped at one picking. Prepaid, pkt., 5c; pt., 25c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; pk., $1.40; bu., $5.00.

Alaska. The earliest blue pea, very uniform in growth. The dark green color of the pods make it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable extra early pea for market gardeners and shippers; height 2 feet. Prepaid, pkt., 5c; pt., 25c; qt., 50c. Not prepaid, pt., 15c; qt., 25c; pk., $1.40; bu., $5.00.

Melean's Little Gem. Eighteen inches. A few days later than "First and Best." Matures in eight weeks. When in a green state the peas are sweet and delicious. Prepaid pkt., 5c; pt., 20c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $1.75; bu., $6.75.

American Wonder. This variety is one of the Earliest Wrinkled Peas in cultivation. It is of dwarf and robust habit, growing from ten to twelve inches high, and produces a profusion of good sized and well filled pods of the finest flavor. Well known. Prepaid, pkt., 5c; pt., 20c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $1.85; bu., $7.25.

Premium Gem. Fifteen inches. This is an extra early dwarf sort, an improvement on Little Gem. Pods long, dark green. Prepaid, pkt., 5c; pt., 20c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $1.75; bu., $6.75.

Tom Thumb. Extra early. Height, 12 inches. Prepaid, pkt., 5c; pt., 20c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

NOTT'S EXCELSIOR.

This great Pea is so hardy and vigorous that it may safely be planted in early Spring with any smooth variety, and can be counted on for table use almost at once, while as everyone knows, the quality of any wrinkled Pea is far superior to any smooth. Time after time they have been fit for the table fifty days from planting, with the most ordinary cultivation. Pods are large and chunky, always containing from five to seven large Peas, packed so closely together in the pods that the Peas are always more square than round. It grows to a uniform height, about one foot, and is at all times very tender and of fine flavor. Seldom has any vegetable been more unanimously recommended than has Nott's Excepsior Pea. Our Stock is "True." Prepaid, pkt., 5c; pt., 30c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $2.00; bu., $7.50.

AT PREPAID PRICES WE DELIVER ALL PEAS OFFERED FREE TO ANY POST OFFICE IN THE UNITED STATES.
MAIN CROP VARIETIES.

* TELEPHONE.

**Heroine.** A new medium early, green wrinkled Pea, of very superior quality. It grows to a uniform height of 2½ feet, bearing very large, well-filled pods in great profusion. This is without doubt the best of the Second Early Peas. Prepaid, pkt., 5c; pt., 30c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $1.05; bu., $6.00.


**French Canner.** A small Pea, used extensively for canning purposes. Height, 48 inches. Prepaid, pkt., 5c; pt., 25c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.

**Abundance.** Round, well filled pods. Height 18 inches. Prepaid, pkt., 5c; pt., 30c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $1.50; bu., $5.50.

SUGAR VARIETIES. Edible Pods.

**Dwarf Wrinkled Sugar.** Fine quality and productive. Height 18 inches. Prepaid, pkt., 5c; pt., 30c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; peck, $1.05; bu., $7.00.

**Mammoth Sugar.** One of the best of the edibles. Height, 3 feet. Prepaid, pkt., 5c; pt., 30c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $1.75; bu., $8.75.

**Tail Gray Sugar.** Height, 5 feet. Prepaid, pkt., 5c; pt., 30c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; peck, $2.00; bu., $7.75.

For Field Peas, See Page 37.

Farm Seed Department.
RADISHES.

WERNICH KADISH of Scarlet point. One ounce to about 100 feet of drill; 8 to 10 pounds for an acre. The soil for Radishes should be very rich, light and mellow, well broken by dung as their tender and mild qualities depend much upon their rapid growth. For very early use sow in gentle hot beds in February, and in open air as soon as the ground can be worked, at intervals of ten or twelve days for a succession, as long as they may be wanted. The Turnip Rooted are the best for sowing in the summer. The winter varieties should be sown in August, and lifted before severe frost and stored in the cellar.

WERNICH'S NEW FORCING RADISH.

EARLY ERFURT.

Quick growth is essential to produce crisp and tender Radish. We have it in "Early Erfurt" which matures in 20 days after sowing. This makes it the most valuable for forcing or out door culture. The tops are quite small, the roots globular with deep red skin, flesh white, crisp and tender. It has a pleasant flavor, very mild. On account of smallness of tops it admits of very close sowing. Well suited for sowing under glass. Pkt., 10 cts.; oz., 15 cts.; ¼ lb., 35 cts.; ½ lb., 60 cts.

Early Scarlet Globe. For forcing in green house, hotbeds, or cold frames, and for sowing in the open ground early in the spring, there is no other red variety more desirable. It is entirely distinct and one of the earliest; in flavor it is mild, crisp, juicy and tender. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts.


Long Scarlet Short Top. Has a short and compact top. In shape it is somewhat shorter and thicker. In color the upper portion is of unusually deep brilliant red, which gradually shades to a deep, waxy pink towards the end. Pkt., 3 cts.; oz., 15 cts.; ½ lb., 20 cts.; lb., 60 cts.

White Strassburg Summer. This variety is a handsome oblong shape, tapering beautifully to a point. Both skin and flesh are pure white, almost transparent. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts.


SALSIFY, OR OYSTER PLANT.


Grows best in light, well-enriched soil, which, previous to sowing the seed, should be dug up to a depth of eighteen inches. Sow early in spring in drills fifteen inches apart and one and one-half inches deep, and when the plants are strong enough, thin out to six inches apart. One ounce to 70 feet of drill.


SCORZONERA, OR BLACK OYSTER PLANT.

Requires the same treatment as Salsify.

SPINACH.

Special Prices on Spinach in any Quantity on Application.


For spring use, sow early in drills one foot apart, and for succession every two weeks. As it grows, thin out for use, keeping it clear of weeds. For fall use sow in August; for winter use, sow in September in well manured ground, mulch with straw on approach of severe cold weather. One ounce for 100 feet of drill; 10 pounds for an acre in drills. Victoria. Without question the best Spinach for spring sowing, from the fact that it remains in fit condition for at least 2 or 3 weeks after all the other sorts have run to seed. The leaves are heavy, broad and dark green, and of the finest quality. Pkt., 5c; oz., 10c; ½ lb., 15c; 1 lb., 40c;

WINTER VARIETIES.

Boston Marrow. Oval, bright orange, flesh yellow. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 50c.

Prolific Marrow. A valuable and prolific sort. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 50c.

Bay State. Hard Shell, for fall and winter. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 50c.

Hubbard. A late sort of superior quality. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 50c. $1.00.

Mammoth Chili. Enormous size, of a rich yellow color. Pkt., 5c; oz., 15c; ½ lb., 40c; 1 lb., $1.50.

SORRELL.


Sow in spring in drills eighteen inches apart, in a rich soil, and keep the flower stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrell to two-thirds Spinach. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Broadleaved. Extensively used among the Germans. Pkt., 5c; oz., 10c; ½ lb., 30c; 1 lb., $1.00.

Remember, we pay the postage on all seeds offered on this page.

SQUASH.

Squashes should not be planted until danger from frost is past, but get in the winter kinds as soon as possible, in order that they may mature. Plant in hills 5 feet apart for bush varieties, and 6 or 8 feet running varieties, putting 6 to 8 seeds to the hill, finally leaving but three plants. One ounce of the bush varieties for 40 hills; or of the large-seeded kinds, 15 hills; two or three pounds of the bush, and three or four pounds of the large-seeded for an acre.

SUMMER VARIETIES.

Giant Summer Crookneck. The largest squash. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 75c.

White Bush. Very early; a favorite market sort. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 75c.


Pineapple. Prolific; peculiar shape; skin and flesh white. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 75c.

Delicata. The earliest and most prolific of the vine squashes. Can also be sown for winter. Pkt., 5c; oz., 10c; ½ lb., 25c; 1 lb., 50c.
Tomato.


The seed should be sown in a hot-bed about the first week in March, in drills five inches apart and half an inch deep. When the plants are about two inches high, they should be set out about four or five inches apart in another hot-bed. They are planted for early crops on light sandy soil, at a distance of three feet apart, in hills in which a good shovelful of rotten manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted four feet apart. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. One ounce will produce about 2,000 plants.

Wernich’s German Market. Crop failure this year.

Matchless. The color is a rich, cardinal red. The skin is so tough that it is a splendid keeper and shipper, and is less liable to crack in wet weather than any other large tomato. Unsuspected for market or for table. The plant is a strong grower, and is very productive, bearing with undiminished vigor until frost. The fruit is free from core, and the seed-spaces are comparatively small. The leaves are of a rich, dark green color, and very luxuriant, indicating great constitutional vigor, and giving the plant ability to produce fruit of the largest size throughout the entire season. It stands at the front as a large, bright red, main crop sort. Pkt., 60c; oz., 25c; ¼ lb., 50c; 1 lb., $2.25.

The New Stone. We call this the king of the Livingston kinds, which are the best types of large, smooth, solid, “beefy” Tomatoes. If asked to select one main crop, market sort, we advise this. Color, fine scarlet, stem (calyx) set high, core small and shallow, so that but little is lost when it is taken out of the fruit before slicing. We want to make what we say of this kind definite, because there are very many good kinds, and a long list is confusing. If in doubt, buy the New Stone for market, or home use for that matter. Pkt., 60c; oz., 25c; ¼ lb., 50c; 1 lb., $2.00.

Golden Trophy.

Ponderosa. This grand new variety is the monster of the Tomato family, the tomatoes often weighing 2 to 3 pounds each. Of a rich, bright crimson color and all solid meat, exceptionally free from seeds. Extremely delicious in flavor, whether raw or cooked. A single tomato is enough for a meal. Very desirable for family and market purposes. Pkt., 60c; oz., 30c; ¼ lb., $1.00; 1 lb., $3.50.

Acme. A red medium sized tomato, oval form. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., $2.00.

Livingstone’s Perfection. It is larger than the Acme and the earliest market sort. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., $2.00.

Livingstone’s Favorite. Large, perfect form, smooth skin, firm flesh. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., $1.50.

Yellow Plum. A small variety, extensively used for pickling. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., $2.00.

Red Cherry. A small cherry-shaped variety, red in color, principally used for pickling. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., $2.00.

Wernich’s German Market. Crop failure this year.

Strawberry or Winter Cherry. Excellent for pickling. Is a good keeper on account of having a shell outside of the skin, which affords extra protection. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.

Early Minnesota. One of the best sorts for general market or family use. Very smooth and regular in shape, uniform in size and color, and free from rot or cracking. Vines large, with dark green leaves, vigorous and wonderfully productive. Being under high culture, one of the heaviest croppers. Fruit medium size to large, perfectly smooth, solid, but without any core. Deep rich, red color, of excellent flavor. Pkt., 60c; oz., 20c; 1 lb., $2.00.

Dwarf Champion. This is a purple-fruited variety, which forms very strong plants about two feet high. The branches are short, making a bushy plant that stands quite erect without stakes. This sort is often sold as Tree Tomato. Fruit smooth, medium sized, color purplish pink, fairly solid, but has no hard core, and is of good flavor. About as early as any purple fruited tomato, and is quite popular in some localities, both for market and home use. Pkt., 60c; oz., 30c; ¼ lb., $1.00; 1 lb., $2.00.
TURNIPS AND RUTABAGAS


Turnips may be sown at all seasons, from April to August in our climate, although those will be the best which are sown very early in the spring for summer crop, and early in August for a fall and winter crop. A light soil well manured the previous year is the best; no manure should be applied at the time of sowing, unless it be well decomposed compost, or the roots are liable to be bad flavored. The Rutabaga varieties should be sown in drills fifteen inches apart, and for winter use of July, on land that has been well manured for other will sow 150 feet drill. Two pounds will sow 1 acre in a

A splendid Extra Early Purple Top Milan, new strap-leaved variety that is ready for use fully two weeks earlier than the Purple Top Six, and one week ahead of the Purple Top Munich. The bulb is of medium size, quite flat, smooth, and has a bright, fresh purple top. The flesh is very solid, fine-grained and of the choicest quality. Pkt., 5 cts.; oz., 10 cts.; 1/4 lb., 20 cts.; 1 lb., 75 cts.


Purple Top White Globe. The name of this most excellent variety affords it a very accurate description. It is an early and a heavy cropper as well as a good keeper. The bulb is a very handsome globe, and is especially in demand among market gardeners. Pkt., 5 cts.; oz., 10 cts.; 1/4 lb., 15 cts.; 1 lb., 50 cts.


RUTABAGA OR SWEDES.

The Swedes are really preferable for stock feeding on account of their superior nutritive as well as better keeping qualities. Some of the finest are desirable and popular for table use also.


TOBACCO.

Burn a quantity of brush and rubbish in the spring on the ground intended for the seed-bed, then dig and thoroughly pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are about six inches high, transplant into rows four or five feet apart each way, and cultivate thoroughly with plow and hoe.

Imported Havana. Best of all for the manufacture of cigars, but inclined to deteriorate: hence the necessity of renewing the seed each year. Pkt., 5 cts.; oz., 10 cts.; 1/4 lb., 75 cts.; 1 lb., $2.00.


Sumatra. It is this variety from which the famous Sumatra wrappers are made. Pkt., 10 cts.; oz., 50 cts.; 1/4 lb., $1.00; 1 lb., $5.00.
AROMATIC, MEDICINAL AND POT HERBS.

Any 13 Pkgs. for Fifty Cents.

We deliver all Seeds offered on this page free to any Postoffice in the United States.

SWEET BASIL. SAGE. SWEET MARJORAM. SUMMER SAVORY. THYME.

An assortment of choice pot and sweet herbs should etc. Many country gardeners still grow the simple medicinal herbs used in the old time for soothing coughs and colds. Aromatic flowers are a favorite in many gardens. 

Lavender is used in summer and for use in fevers. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $1.00.

Balm (Melissa officinalis). The leaves have a fragrant odor, and are used for making a pleasant beverage, known as balm wine, also for balm tea, for use in fevers. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $2.00.

Lavender. Used for seasoning. See page 14 for Seed. Catnip. (Nepeta cataria). The leaves and young shoots are used for seasoning. It makes a pleasant addition to the table. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $1.00.

Caraway. (Carum carvi). Grown for the seeds, which are used extensively for the flavoring of bread, pastry, etc. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $1.00.

Marjoram. Sweet (Origanum marjorana). The leaves and the ends of the shoots are esteemed for seasoning in summer, and also dried for winter use. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $1.35.

Pennyroyal (Mentha pulegium). The true Pennyroyal is but little known. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $2.50; lb., $8.00.

Rue (Ruta graveolens). For medicinal purposes; good for fowls, for the croup. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $1.00.

Bron (Cuminum cyminum). A hardy annual from Egypt. Cultivated for its flowers, which are used in dyeing, and to make the cosmetic powder called Saffron. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $1.50.

Summer Savory (Satureja hortensis). The leaves and flowers are used extensively for flavoring, particularly in soups and dressings. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $1.00; lb., $3.50.

Tarragon (Artemisia dracunculus). This herb is appreciated thoroughly by all who know it for the use of its aromatic leaves in flavoring soups or salads. Also for Tarragon Vinegar. The foliage, if cut in autumn, can be kept in a dry state the same as other herbs. In the North, cut for winter use last of November and store in an airy cool place. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $1.50; lb., $3.50.

Thyme (Thymus vulgaris). This herb is perennial and is both a medicinal and culinary plant. The young leaves and tops are used for soups, dressing and sauce; a tea is made from the leaves which is a great remedy in nervous headache. Sow as early as the ground will permit. Pkt. 5 cts.; oz., 10 cts.; 1/4 lb., 25 cts.; lb., $2.25.

Violet (Viola odorata). A hardy perennial, growing about two feet high. It is used for the distillation of lavender oil, or dried and used for perfumery. It does best in light, warm soil. It should be picked before it becomes dry and hard, and dried quickly. Pkt. 5 cts.; oz., 20 cts.; 1/4 lb., 60 cts.; lb., $2.00.

We deliver all Seeds offered on this page free to any Postoffice in the United States.
CHANGE YOUR SEED.

All practical farmers AGREE that seed grown year after year under the same conditions of soil and climate "RUNS OUT" after a time, rendering a change of seed not only DESIRABLE but NECESSARY. To such we offer NORTHERN GROWN STOCKS of the BEST VARIETIES, CAREFULLY SELECTED, THOROUGHLY RECLEANED and PRICES SO REASONABLE as to enable every farmer who wishes to get a new start in SEED OATS, BARLEY, CORN, ETC. to do so at a VERY SMALL EXPENSE.

BARLEY.

GENUINE BAVARIAN "HOFBRAU" BARLEY.

Two years ago we obtained from Bavaria, Germany, a bushel of the famous Two-Rowed Bavarian Barley, which weighed fifty-nine pounds. From this one bushel we obtained 29 bu., which weighed 35 pounds to the bushel, though raised in the severe drought of 1901. From this seed we raised the present season nearly 500 bushels, which weighed from the machine 116 to 120 pounds to the bag. The kernels are very large and plump, and weigh nearly as heavy as wheat. It is a very Hardy variety, and has come through the present wet season with scarcely any discoloration. Prepaid, 20 cts. Not prepaid, peck, 30 cts.; bu., $1.35; 2½ bu., $3.75.

MANSHURY.


GERMAN MELON.

This barley was introduced by us some years ago and has given the best of satisfaction wherever grown. Brewers prefer this sort to all others. Prepaid, lb., 25 cts.; 5 lbs., $1.00. Not prepaid, pk., 50 cts.; bu., $1.50; 2½ bu., $3.35; 5 bu., $6.50; 10 bu., $12.50.

SUCCESS OR BEARLESS.

All barley growers have experienced the annoyance occasioned by the chaffing and sticking of the beards while threshing. This nuisance has been overcome in the New Barley, which is entirely free from beards. This barley is six-rowed, the straw grows to a good height, is stiff and strong, and does not readily lodge. Prepaid, lb., 25 cts.; 5 lbs., $1.00. Not prepaid, pk., 50 cts.; bu., $1.25; 2½ bu., $3.00; 5 bu., $5.50; 10 bu., $10.50.

GIANT WHITE HULLESS.

We are going to start out in the description of this barley by making this broad, sweeping statement, that it is the most prolific fat and health producing food for hogs, cattle and poultry extant today. Of course, the grower living in the corn growing states of Illinois, Iowa, and Nebraska believes that he has a better food in corn than in this Giant White Hulless Barley but the fact of the matter is that this is a mere assumption, because he has not given this barley a trial side by side with his rich corn. But take, for instance, states where corn does not thrive, take the northern parts of Wisconsin, Minnesota, the Dakotas and Montana, and a great many other states where corn does not thrive as luxuriantly as in Iowa, Illinois, Indiana, Nebraska and Kansas, we say that in the above states Giant White Hulless Barley is pre-eminent the crop to grow for stock fattening. Prepaid, lb., 20 cts.; 5 lbs., $1.25. Not prepaid, pk., 50 cts.; bu., $1.50; 2½ bu., $4.25.

SEED RYE.

SWEDISH SPRING.

Used mainly as a catch crop when other winter crops fail. Rye is a cereal that is very little sown compared with other grain. We cannot see why the farmers don’t sow more. Its market price has a steady market price very seldom less than 50c per bu., and the yield from good seed will average 40 bu. per acre. Prepaid, lb., 25 cts.; 5 lbs., $1.25. Not prepaid, pk., 40 cts.; bu., $1.25; 2½ bu., $3.00; 5 bu., $11.50.

ST. JOHN’S RYE.

This is undoubtedly the Only Rye to Sow, especially as a catch crop. None so prolific in straw or kernels as our "Matchless St. John’s." Can be Sown either in Spring or in Fall. The beauty of this Rye is that it can be sown early or late, it makes no difference, grow it will, wet or dry weather, and furnish abundance of Fodder. If your winter wheat or other crops prove a failure, we know of nothing that compares with St. John’s Rye, and by sowing it you will get:

1. If sown before the end of June, two large crops of hay.
2. Enough for pasturing your horses and cattle until late in the season.
3. In the spring it will come up thick, early and luxuriant.
4. Can then again be used as pastureage or by letting it run to seed will yield 30 to 35 bushels of fine seed Rye. Sown with Oats and Sand Vetches as a catch crop you will have Fodder to burn. If sown alone sow 40 pounds to the acre.

SELECTED SEED GRAIN—Continued.

SEED WHEAT.

We are obliged to ask a considerable advance over the market price for our High Grade Seed Wheat as there is very much larger cost attached to its production and preparations than any one, who has not had the experience, could possibly appreciate. Since does not permit of going into details, but as a matter of fact the prices named below for the larger quantities represent but a slight advance over our cash outlay to us for selecting, cleaning and grading the Seed.

We believe that farmers who want to change their seed will find it very much to their advantage to secure enough, at least, to give them a start.

To those who do not care for the pedigree, or highly improved stock, but simply good, healthy, sound and reasonably clean wheat, we would state that we are in position at all times to select from the hundreds of cars which daily arrive in Milwaukee, excellent lots of either Fife or Blue Stem, and which we will sell either in car or less than car lots, at a slight advance over the prevailing market price. Will be glad to send samples and prices upon application.

PROBISTER.

This variety has all the characteristics of the Saskatchewan Fife from which it is descended by careful selections. It excels in earliness, hardiness, productiveness and freedom from smut and all diseases. The grower reports that Probister will average 40 to 50 bushels per acre. "Bald." Prepaid, lb., 25 cts.; 5 lbs., $1.00. Not prepaid, peck, 50 cts.; bu., $1.50; 2½ bu., $3.50; 10 bu., $13.00.

VELVET CHAFF BLUE STEM.

Northern grown. Pedigree stock. A distinct variety from all other Spring Wheats. The stem just below the head, when green, has a beautiful bloom on it which entirely disappears as the wheat ripens, the straw and stem assuming a beautiful golden yellow hue and entirely free from rust. Prepaid, lb., 25 cts.; 5 lbs., $1.00. Not prepaid, peck, 50 cts.; bu., $1.50; 2½ bu., $3.50; 10 bu., $12.50.

SASKATCHEWAN FIFE.

Early, productive, and known as one of the best No.1 milling wheats, noted for its great productiveness, earliness and freedom from smut. So well known that further description is unnecessary. Prepaid, lb., 30 cts.; 5 lbs., $1.25. Not prepaid, peck, 60 cts.; 1 bu., $3.00; 2½ bu., $5.50; 10 bu., $15.50.

MACARONI WHEAT.

The Wheat for the West.

Recommended by the U. S. Department of Agriculture. Send for Circular No. 18 describing this Wheat and its usefulness. The market for this Wheat will be a good one as the demand exceeds the supply. It is used principally in the manufacture of Macaroni. Macaroni manufacturers are ready to buy all that can be raised. About 15,000,000 lbs. of foreign Macaroni is imported annually, and growing量 made from true Macaroni Wheat, it is considered to be a better quality than our domestic Macaroni, which is made almost entirely of bread wheats. Moreover the imported Macaroni sells at a much higher price. Of course all the cost of the imported product will be saved to this country if the farmers and millers furnish our factories with the right kind of material, which they can easily do. Macaroni wheat will also make good bread; such bread-eating countries as Russia, France, Italy, Spain, Greece and the Mediterranean regions using it extensively. A small per cent, of softer wheat is usually mixed with the Macaroni wheat before grinding; however, it is the only wheat for our semi-arid plains where herefore the raising of wheat was almost an impossibility. It will grow anywhere, withstands drought, is rust-proof and earlier than other wheats. The yield varies from 12 to 40 bushels per acre, depending on soil and climate. In this country Macaroni wheat should be sown in the spring, in all territory north of the thirty-fifth parallel. South of that latitude it should be sown in October 15th to December 1st. Prepaid, lb., 20 cts.; 4 lbs., 75 cts.; not prepaid, lb., 10 cts.; peck, 50 cts.; bu., $1.50; 2½ bu., $4.25.

EMMER OR SPELtz.

"What is it?" Neither barley nor wheat, yet it resembles both, and out-yields barley, oats and wheat. Botanically it is known as Triticum Spelta and is supposed to be the grain grown in Egypt at the time of Moses. Ask your German neighbor, he has seen it grow in the old country and will tell you of its good qualities, both for milling as well as for feeding. It is a wonderful stover and a robust little grain that does as well on poor as it will on rich soil. Prepaid, 1 lb., 25 cts.; 5 lbs., $1.00. Not prepaid, peck, 40 cts.; bu., $1.10; 2½ bu., $2.65; 5 bu., $5.25; 10 bu., $10.00.
DUPPAUER.

This Oats has stiff straw, stands up well, plump berries with a thin hull and of good color. It is extremely early and should be sown very early. It is full of fresh new blood and overflowing with vigor. Once sown it will grow from start to finish despite the elements. Duppaucer planted side by side with other varieties out-yield them two to one. It is a great stouler, one kernel producing 50 and more strong, stiff, healthy, vigorous stems. This accounts for the large crops Duppaucer Oats will yield. It will pay you to sow Duppaucer Oats. It will yield 50 to 100 bushels, whereas, perhaps your own seed only produces 50 bushels. Figure it out yourself and you must admit it pays to try this grand new sort. Prepaid, lb., 25 cts.; 5 lbs., $1.00. Not prepaid, per peck, 45 cts.; bu., $1.25; 2½ bu., $3.00; 10 bu., $11.50.

WHITE PROBSTIER.

(New Seed.) This we believe to be the best oats ever introduced. be it grown in the North, East, South or West. It has never been known to rust. Our stock this year is grown from stock two years ago and the seeding of which we gave our personal attention at the time. Prepaid, lb., 25 cts.; 5 lbs., $1.00. Not prepaid, peck, 40 cts.; bu., $1.00; 2½ bu., $2.50; 10 bu., $8.50.

YELLOW PROBSTIER.

Extremely hardy, makes a strong stool and grows with vigor and rapidity. Do not compare this oats with the variety known as Yellow French, which is a good oat but cannot compete with the Yellow Probstier for earliness, heaviness or production. It will grow anywhere, and being rust proof, will grow under all climatic conditions where oats will grow. Prepaid, lb., 25 cts.; 5 lbs., $1.00. Not prepaid, peck, 45 cts.; bu., $1.15; 2½ bu., $2.50; 10 bu., $9.50.

BLACK PROBSTIER.

We believe that in this oats we have the best black oats sold for seed purposes. Unequaled in the stiffness or strength of the straw, nothing less than a tornado or a cyclone will lodge them. Prepaid, lb., 25 cts.; 5 lbs., $1.00. Not prepaid, peck, 40 cts.; bu., $1.15; 2½ bu., $2.50; 10 bu., $9.50.

FLAX.

(Price subject to Market Fluctuation).

Most of the flax seed in this country is run out. Ours is new stock seed that is tip top. We exercise great care in the thorough cleansing of our seeds so as to rid it of noxious Seed. Prepaid, lb., 25 cts.; 5 lbs., $1.25. Not prepaid, peck, 65 cts.; bu., $1.30; 2½ bu., $4.75.

BUCKWHEAT.

(Price subject to Market Fluctuation.)

Silver Hull. A very good and popular variety. Grain is of light gray color, is rounder than the common variety, has a much thinner husk, earlier, and yields more. The flour is whiter and more nutritious. Prepaid, lb., 25 cts.; 5 lbs., $1.50. Not prepaid, peck, 40 cts.; bu., $1.35; 2½ bu., $3.25.

New Japanese. About a week earlier than Silver Hull, and yields almost as much again. The flour made from it equal in quality to any other buckwheat, while it is much more productive than any other, and succeeds well far north. As the straw is heavier and it branches more, it does not need to be sown as thickly as the other kinds.

Largest kernels, most productive and earliest; stands up well and makes the best flour. Prepaid, lb., 25 cts.; 5 lbs., $1.00. Not prepaid, peck, 45 cts.; bu., $1.45; 2½ bu., $3.35.

F. Goetz, Blooming, Oregon, writes: Two years ago I sowed 2 pounds of your Probstier Oats. Last year I harvested 50 Bushels. It pays to get good seed.

J. Feipel, Seeles Crossroad, Ohio, writes: Your Probstier Oats have proven the best in this locality. I always get a better price than my neighbors.

C. Hecker, Cambria, Wis. Probstier Seed Oats was awarded "First Premium," at the Columbian County Fair.
Selected Seed Corn.

NORTHERN GROWN.
The following varieties will mature a crop as far north as Corn will ripen under ordinary conditions. Our Seed Corn has all been subjected to a thorough test of its germinating qualities.

TO AVOID DELAY
when ordering late in season, it would be well to mention your second choice, in case we should be sold out of variety ordered.

YELLOW DENT VARIETIES.
WERNICH'S EARLIEST OF ALL, "NEW," EARLY, SMOOTH, HANDSOME, HARDY, PRODUCTIVE, PROFITABLE.

Beyond a doubt the best corn ever introduced. It grows a medium sized stalk with a large ear of good length, 8 to 10 inches. The cob is small, the kernel smooth and very deep, thus ensuring large yield. The plant is vigorous, well supplied with foliage. It roots deeply, thus enabling it to withstand adverse conditions of weather. This variety is not an "Accident" but is the result of selecting and hybridizing with the object of producing an Extra Early, Large Eared and Large Yielding Yellow Dent Corn. This has been accomplished. Its record is ninety days of good corn weather from date of planting to maturity, and entirely out of frost danger. The past season it ripened about September 1st, right here in Wisconsin. Our supply is limited, order early. Prepaid, qt., 25 cts.; no prepaid, qt., 25 cts.; peck, 75 cts.; bu., $2.15; 5 bu., $10.00.

KING OF THE EARLIEST.
The earliest Dent Corn known, yields more and shells easier than any other variety. It will mature a crop further north than any other known variety. Short, leafy stalks, medium sized ears, small red cobs and long, deep grains. Give it a trial and be convinced.

PRIDE OF THE NORTH.
This is undoubtedly the best known of the early Yellow Dents. Ears 8 to 10 inches in length and 1½ inches in diameter. Kernels closely set, above medium size, long, narrow, thin, of deep orange color, shading to pale yellow at the tip. Cob very small and red. In a test, 70 lbs. of ears, not selected, and but imperfectly dried, produced 60½ lbs. of shelled corn and only 9½ lbs. of cobs, instead of 14 lbs. the usual proportion. Stalks about medium height, 6 to 8 feet.

WHITE CAP YELLOW DENT.
This beautiful corn possesses the earliness of Pride of the North, and will produce a greater yield on thin, poor land, than any other corn. Grows about 6 to 7 feet in height, with abundant foliage and fine large ear. The tip ends of the grains are white, the inside yellow, hinting it as beautiful color both when on cob and when shelled. It ripened and produced an enormous crop in the State of New York. Prepaid, qt., 25 cts. Not prepaid, qt., 10 cts.; peck, 50 cts.; bu., $1.40; 5 bu., $8.75.

EARLY MASTODON.
The largest of all yellow Dent varieties, maturing in 100 days. In the celebrated American Agriculturist Corn Contest, Mastodon Dent outyielded by far every other variety of Yellow Corn, 21½ bushels of shelled corn being raised on one acre. Prepaid, qt., 25 cts. Not prepaid, qt., 10 cts.; pk., 50 cts.; bu., $1.40; 5 bu., $8.75.

IOWA GOLD MINE.
It is early, ripening only a few days later than the Pride of the North; ears are of good size and symmetrical; color a bright golden yellow. Grain is very deep; cob small, and therefore dries out very quickly as soon as ripe.

YELLOW FLINT VARIETIES.
WERNICH'S TEN WEEKS.
We consider this the best strain of hard-grained, eight rowed yellow Flint Corn in Cultivation. Under favorable conditions, matures in about eighty days, and while not so productive as the varieties or Dent Corn, is valuable for the short seasons of the far North, and also for second planting. Ear is perfectly formed. Prepaid, qt., 30 cts. Not prepaid, qt., 15 cts.; pk., 60 cts.; bu., $1.75; 5 bu., $8.00.

LONGYELLOW FLINT.
An eight rowed yellow Flint variety, with ears from 10 to 15 inches long, 1½ to 2½ inches in diameter, and are well filled out to the extreme end of the cob. The cob is small and the kernel large and broad.

AVENGED OF MIDNIGHT.
Stalks are of medium size, ears 10 to 12 inches in length and rows even. Prepaid, qt., 50 cts. Not prepaid, qt., 15 cts.; pk., 50 cts.; bu., $1.75; 5 bu., $8.00.

It costs less than 25c an acre to use our carefully selected and tested Seed Corn.
Selected Seed Corn.

NORTHERN GROWN.

Remember, our Corn is northern grown, fire dried and hand picked. Our prices may be higher than those of other Dealers, but ours is not Crib Corn. Why plant seed of uncertain vitality when

A FEW CENTS.

per Acre expended for Good Corn will increase the crop from 20 to 50 per cent? It pays to buy new seed every year.

WHITE/DENT VARIETIES.

ADAMS' EXTRA EARLY.

Hardiest and earliest corn known. Can be planted earlier than any other corn. Most seed dealers sell it as a sweet corn on account of its extreme earliness, combined with its sweetness and tender qualities for table use. It is an immense yielder and under favorable circumstances ripens in 60 days. It pays to buy new seed every year.

WERNICH'S SWEET WHITE PEARL.

Grown in the far North especially for our trade. By far the best White Dent in cultivation. We have sold this corn for the past twelve years and have yet to hear the first complaint. It has all the characteristics of the Champion White Pearl, the well known White Dent variety, but much earlier in maturing and contains more nutritious food than the Champion. In yield it surpasses anything known as corn. Those who have planted it in the past think so well of it that the new varieties constantly coming out after year have no fascination for them, being firmly convinced that Wernich's Sweet White Pearl is the earliest and purest of all the White Dents now sold by seed dealers. "Do give it a trial." Prepaid, qt., 15 cts. Not prepaid, qt., 20 cts.; pk., 70 cts.; bu., $2.15; 5 bu., $10.00.

CHAMPION WHITE PEARL.

Matures in 100 days. A beauty, and in every respect a first-class white sure cropping corn. Prepaid, qt., 25 cts. Not prepaid, qt., 10 cts.; pk., 50 cts.; bu., $1.50; 5 bu., $7.00.

MAMMOTH WHITE DENT.

This is a large eared variety. It has a broad, very deep, pure, white kernel and cob—in fact, a stray red cob will hardly be found in a thousand bushels and those desiring a large white corn cannot fail to be pleased with it. Prepaid, qt., 25 cts. Not prepaid, qt., 10 cts.; pk., 50 cts.; bu., $1.65; 5 bu., $7.50.

WISCONSIN WHITE DENT.


IOWA SILVER MINE.


WHITE FLINT VARIETIES.

WISCONSIN SILVER.

Early. An 8 to 10 rowed white flint corn; long, well shaped ears; small cob. Stalks bear from 2 to 3 ears, small kernels, hard and compactly placed on cob. Prepaid, qt., 25 cts. Not prepaid, qt., 10 cts.; pk., 50 cts.; bu., $1.75; 5 bu., $8.00.

CONNECTICUT WHITE.

An eight rowed white flint variety with ears from 15 to 18 inches long, 1 1/2 to 2 1/2 inches in diameter, and are well filled out to extreme and of cob. 10 to 12 in. long; 16 to 20 rowed, uniform in size, with small cob. A great drouth resister. Prepaid, qt., 25 cts. Not prepaid, qt., 10 cts.; peck, 50 cts.; bu., $1.75; 5 bu., $8.00.

Do you deem it wise to risk doubtful corn when good Seed is so cheap?
FODDER CORN.

Wherever Live Stock is an important feature of the farm, Fodder Corn is equally important. The best Fodder Corn is that which will give the greatest net amount of good feed from an acre of ground. The varieties we list are all good, each possessing certain distinctive points of excellence which we endeavor to point out in the description.

EVERGREEN SWEET FODDER CORN.

It is an undeniable fact that there is better feeding quality in one ton of Evergreen Sweet Fodder Corn than in a much larger quantity of any other variety. The reason is evident, from the fact that all sweet corn possesses very much more sugar than the field sorts, and as sugar is the most important constituent, it necessarily follows that the corn possessing this in great quantity is most valuable. It does not, however, yield as large crops as the following sorts, but what it lacks in quantity it more than makes up in quality. It does not grow very tall, but it is a free stooler. Cattle eat it greedily, preferring it to all other kinds. Prepaid, qt., 30 cts. Not prepaid, qt., 15 cts.; pk., 75 cts.; bu., $2.50; 5 bu., $12.00.

RED COB EN SILAGE CORN.


PRIDE OF THE NORTH FODDER CORN.

Used extensively in all corn growing sections and considered the best early ripe Fodder Corn known. It stooks freely and every stalk produces two to four ears. We sell this corn cheap. Prepaid, qt., 20 cts. Not prepaid, qt., 8 cts.; pk., 30 cts.; bu., 35 cts.; 10 bu., $9.00.

BRAZILIAN FLOUR OR NEW CENTURY WONDER CORN.

A most wonderful variety from South America, different in many respects from other sorts. Instead of growing like ordinary corn, one stalk to each kernel planted, it stooks like winter wheat, producing 10 to 20 stalks from each seed. There are frequently 3 to 7 ears to the stalk, being 8 to 10 inches long, and of the most clear snowy white color. It is of excellent quality when used on the table like sweet corn, yielding, of course, a much larger crop, and when dry and ground makes the cleanest, finest, whitest meal you ever saw. It will rise like wheat flour and can be used in bread, biscuits, pies and cakes, and is therefore sometimes called Flour Corn. Yields 100 to 150 bushels per acre. The IOWA STATE REGISTER in its Farm Department says:—"This wonderful corn which was grown about four miles northwest of Des Moines grows 10 to 12 feet high, produces 2 to 7 ears on a stalk and 10 to 20 stalks to the hill from one seed planted. The ears are about 9 inches long and it yielded 75 bushels on half an acre. It makes the finest of stock feed when cut for fodder and produces many times as much as ordinary corn." We believe this corn will prove of great value everywhere for use as sweet corn, to grind into meal, to feed hogs, cattle and horses and as a fodder plant.

A COMPARISON.—A crop of wheat is considered a fair yield if it produces ten fold or ten bushels to each bushel sown. The New Century Wonder is not satisfied with the ordinary yield of a thousand fold or ten thousand fold, but it is claimed that in a field you can find hills grown from one kernel which bear 20,000 to 40,000 kernels. Of course the entire crop will not average that, but it is wonderful, just think of it, 40,000 to 1. Prepaid, pt., 25 c.; qt., 35 c. Not prepaid, pt., 15 c.; qt., 20 c.; ½ pk., 35 c.; pk., 75 c.; bu., $2.50; 5 bu., $11.75.
NORTHERN GROWN

SEED POTATOES

IT PAYS TO CHANGE SEED EVERY YEAR.

The necessity for changing potato seed is universally admitted by all well-posted growers, but too seldom practiced, especially when the best seed can be had at so little additional outlay. About 5 bushels will seed an acre and at 25 cts. to 50 cts. per bushel additional cost the whole outlay would be $2.00 to $4.00 with an increase in the crop of at least 25 per cent. By using our Northern Grown Seed you are assured of early maturity, increasing yield and a vigorous growth.

EARLY ORDERS.

Everything points in the direction of a lively demand for Choice Seed Potatoes the coming season, and, while we have a good stock in store at present, we would advise customers to send in orders early.

OUR PRICES.

The following prices are for good, straight, unmixed stock, but if you receive lower quotations before placing your order, write us stating what you want, and we will bid for your order.

SPECIAL INSTRUCTIONS.

We will book orders at the following prices as long as our present stock lasts, no matter if there should be an advance in the market. We fill orders just as soon as the weather, in our judgment, will permit. However, we cannot be responsible for changes in the weather by which they might become damaged en route. We will ship at any time when requested to do so, regardless of weather, if customers wish to take their own risk. When ordering late, please state whether we shall return the money or send some viding we cannot supply the sort you order.

EARLY SIX WEEKS.

Without exception the earliest potato in existence, and the most popular of Early Potatoes on account of its reliability under all conditions. Medium size, smooth, oblong; skin pink, flesh white. tubers grow close together in the hill and grow so rapidly that under favorable circumstances they are fit for table use in six weeks from time of planting, and mature in ten or eleven weeks. It is by far the best selling Seed Potato we list. Prepaid, lb., 25c; 5 lbs., $1.00; not prepaid, pk., 50c; bu., $1.60; bbl., $4.00; 2 bbls., $7.75.

EARLY SUNRISE.

An old standard variety. Supply is limited. Peck, 50c; bu., $1.40; bbl., $3.50; 2 bbls., $6.75.

EXTRA EARLY OHIO.

An old favorite and the standard extra early, maturing two weeks ahead of the Early Rose. It is without doubt one of the most popular early potatoes known. A good yilder and 'A Sure Early' of all the Earlies. Demand always larger than the supply. Gives satisfaction in all parts of the country. Prepaid, lb., 25c; 5 lbs., $1.00. Not prepaid, peck, 50c; bu., $1.60; bbl., $4.00; 2 bbls., $7.75.

EARLY ROSE.

Now is the chance to stock up with this prime favorite. It is well known for earliness and general excellence. Prepaid, lb., 25c; 5 lbs., $1.00. Not prepaid, peck, 50c; bu., $1.60; bbl., $4.00; 2 bbls., $7.75.

BLISS EARLY TRIUMPH.

Has all the good qualities of the Early Rose, is much more productive, and matures its crop at least a week in advance of the Early Rose. Tubers are of medium size, round and uniform in shape, with but a very few small ones: eyes slightly depressed; color a beautiful light red. Prepaid, lb., 25c; 5 lbs., $1.00. Not prepaid, pk., 50c; bu., $1.75; bbl., $4.25; 2 bbls., $8.00.

RURAL NEW YORKER.

(Late). Originated by E. S. Carman, Editor-in-Chief of The Rural New Yorker. Very large and unusually smooth, with few eyes, of oblong form; flesh white and of superior quality. Vines strong, and yield very large. This Potato is to the late varieties what Ohio's are to the Earlies, viz: The standard market variety. Prepaid, lb., 25c; 5 lbs., $1.00. Not prepaid, pk., 50c; bu., $1.50; bbl., $3.75; 2 bbls., $7.25.

CARMAN NO. 3.

It is of perfect form, almost every potato being of same size and shape, and averaging nearly one pound each in weight, in good seasons. It has but a few eyes and they are shallow; the skin and flesh are extremely white and its cooking qualities are very fine. It is enormously prolific and keeps well. Prepaid, lb., 25c; 5 lbs., $1.00. Not prepaid, pk., 50c; bu., $1.50; bbl., $3.75; 2 bbls., $7.25.

A Hill of 6 Weeks Potatoes.

A Row of Six Weeks Potatoes.

Full Grown Six Weeks Potatoes.
SAND OR HAIRY VETCH.
Vicia Villosa. The Wonderful.
This plant is a native of Russia and extremely hardy, growing well during the cool weather of our early spring and late fall months. The plants are quite small and slender at first, but with sufficient moisture soon grow vigorously. It is excellent for forage, being readily eaten by all kinds of stock, either in the green state or cured for hay. The plant is of strong, running growth, with very abundant foliage, and if wanted for hay should be slowly dried in cocks to prevent the leaves from falling off. A neat harvest can be made in a few months by making a sowing of these Vetches early in April. Sowings made in August or September withstand easily our Northwestern winters and will furnish a handsome crop of green fodder by the end of April, which, on good land, has equaled 15 tons green forage per acre. It is especially adapted for light, sandy soils and exposed hills, making an excellent cover crop to prevent the soil from washing during heavy rains, but does not succeed well in low, wet soils. The plant is a legume or nitrogen gatherer, and one of the best to plow under to enrich the soil. Sow 2 bu. per acre, broadcast, early in the spring, harrowing the soil in lightly. Sow in drills 3 feet apart, using 30 lbs. of seed per acre, or broadcast with the addition of 1½ bu. Rye or Oats to furnish support for the vines. Prepaid, lb. 15 cts.; $2.25; not prepaid, lb. 15 cts.; 10 lbs., $1.00; 25 lbs., $2.25; 100 lbs., $8.50.

Field Vetch.
Spring Tares (Vicia sativa). Sown broadcast at rate of 1 to 1½ bushels to the acre, like wheat or barley, and sometimes mixed with oats for seed. Prepaid, lb. 20 cts.; not prepaid, lb. 10 cts.; 5 lbs., 40 cts.; 10 lbs., 75 cts.; 25 lbs., $1.75; 100 lbs., $6.50.

Continuous Fodder Mixture.
Farmer, Dairyman or Stock raiser. Mixture is composed of Oats, St. John’s Rye and Vetches. It can be sown at intervals which will furnish a continuous supply of fodder throughout the season. invaluable as a catch crop after Winter Grain has been cut, there is nothing that will produce such crops of fodder as “Wernich’s Continuous Fodder Mixture.” In many instances Field Peas are sown along with this mixture. Sow 50 lbs. per acre. 1 lb., 8 c.; 2 lbs., 20 c.; 5 lbs., 50 c.; 10 lbs., 80 c.; 25 lbs., $1.00; 50 lbs., $1.50; 100 lbs., $3.00.

TEOSINTE,
“THE WONDERFUL”
A fodder plant grown largely in some parts of the country. Somewhat resembling corn in appearance, but the leaves are much longer and broader, and the stalks contain sweeter sap. In its perfection it produces a great number shoots, growing as much as 12 feet high, very thickly covered with leaves, yielding such an abundance of foliage that one plant is considered sufficient to feed a pair of cattle for twenty-four hours. Eighty-five stalks have been grown from one seed, attaining a height of eleven feet. Horses and cattle eat it as freely as young sugar corn. Down in Georgia, Florida, and other Southern States Teosinte will yield all the way from 100 to 200 Tons Green Fodder per acre. In the Northern States it has yielded 50 Tons of Green Fodder per Acre.

We would advise sowing same in rows 2 feet apart, and the hills far enough apart to work. It wants plenty of sunshine and cultivation, and then it will grow so rapidly that it will soon cover a whole acre and look like a dense forest. It can be cut with a reaper and fed in the green state, or it can be dried and makes magnificent fodder for cattle during the long winter months. Prepaid, pkg. 10 c.; oz. 20 c.; 1/4 lb., 40 c.; lb. 80 c. Not prepaid, lb., 75 c.; 10 lbs., $7.00.

LATHYRUS SYLVESTRIS.
(FLAT PEA.)
The seed should be sown in a small garden bed and transplanted when the plants are of suitable size. Its roots penetrate the soil thirty feet, which enables it to withstand great extremes of cold and drought. It has double the feeding value of Alfalfa, a crop richer than Red Clover. It will last fifty years without manure and without reseeding. It will cut eight tons of hay per acre in a season. When established, a field of it will fatten hogs without corn. The plants grow very little above ground the first year, but the roots make rapid growth. The second year the top thickens up, and the third year the plant is matured. The seed requires several weeks to germinate. Sow in April or May on well prepared ground in drills about one to two feet apart, seeds about one to two inches deep, about two inches apart in drills, and cover well; keep well cleaned from weeds afterwards. Prepaid, pkg. 5 c.; oz., 10 c.; 1/4 lb., 30 c.; 1 lb., 80 c. Not prepaid, 1 lb., 75 c.; 10 lbs., $7.00.
FORAGE AND ODDER PLANTS.

DWARF ESSEX RAPE.

It may be grown successfully in the following ways: 1. In the early spring to provide pasture for sheep and swine. 2. In June or July on well prepared land to prepare pasture for sheep. 3. Along with grain, using 2 lbs. of seed per acre to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture for sheep and to get a "catch" of clover. 5. Along with corn drilled in broadcast to provide pasture for sheep. 6. In corn, sowing the seed with the last cultivation given to the corn. 7. Along with rye sown in Aug. in sheep pasture. At the Michigan Experiment Station 128 Lambs were pastured for 8 weeks on 5 acres of Rape and showed the magnificent total grain of 2,800 lbs., or almost 2 lbs. per lamb for each week they were on the Rape Feed, and all at the small cost for seeding of 45c per acre.

At the Wisconsin Agricultural Experiment Station half an Acre sown with Dwarf Essex Rape produced 95 Tons of Forage or at the rate of 10½ Tons per Acre.

Rape should be sown at the rate of 3 lbs. to the acre in drills and 4 to 6 lbs. per acre broadcast. It can be sown up to August, Prepaid, lb. 20c; not prepaid, lb. 10c; 5 lbs. 40c; 10 lbs., 65c; 25 lbs., $1.46; 100 lbs. $8.25.

JERUSALEM CORN.
A SURE HAY CROP.

Grows about 3 feet high, and often has as many as 8 heads on 1 stalk. 6 to 8 lbs. of seed in rows will plant an acre. Broadcast 40 lbs. per acre. Prepaid, per lb., 25c; not prepaid, per lb., 15c; 5 lbs., 40c; 10 lbs., 75c; 25 lbs., $1.25; 100 lbs., $4.50.

PENCILLARIA.
A new Fodder Plant of untold value. To the farmer, for its immense growth of quick growth, to the dairyman, for its excellent fodder. To the Stockman, for its quick-growing forage. To the poultryman, for seed. It is a native of Central America. It is an annual plant, having broad foliage, very much resembling corn leaves. It is of rapid growth, throwing out from 1 plant numerous suckers, and if cut as soon as it reaches the height of 2 or 3 feet, it can be mowed from 4 to 6 times, according to the latitude, and yields several tons of dry hay per acre. If allowed to grow 6 or 7 feet high, and cut when the flower heads begin to develop, it will yield the heaviest fodder crop per acre of any plant now in cultivation. Per feeding it is equal to any fodder, and is relished by any kind of stock, either green or dry.

CULTURAL DIRECTIONS. If for Hay purposes, sow very thinly in drills 12 to 18 inches apart, dropping a seed every 6 or 8 inches or broadcast 1 lb. per acre. As a Fodder plant sow in drills 3 or 3½ feet apart, thinning out to stand 18 inches apart in the drill. When high enough cultivate the field thoroughly, as this may be the only opportunity; the growth becoming so dense that a cultivator could not be used a second time. As a Green food it will support 4 cows and other stock in proportion from the time it is 30 inches high until the end of the season. As a Seed producer it must have ample space to grow in 2 to 3 feet apart in the rows and 3 to 3½ feet between the rows. Cultivate twice. Per pkt., 3c; oz., 10c; ½ lb., 20c; 1 lb., 40c, postpaid.

RED CAFFIR CORN.
If the crop is wanted mainly for fodder, it is recommended to cut down the whole stock when the first seed heads come into bloom. The second growth springing at once from the roots, will still mature a full crop of grain and a second full crop of forage before the middle of October. Sow in rows three feet apart, six to eight lbs. of seed to the acre. Broadcast 40 lbs. per acre. Prepaid, per lb., 20c; not prepaid, per lb., 10c; 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 85c; 100 lbs., $2.75.

MILO MAZE, YELLOW.
The growth is tall, 9 to 12 feet, stooling form the ground. It sends out shoots also from the joints. The seed heads grow to great size on good land, often weighing ¾ of a pound. Sow 4 to 8 lbs. in rows per acre. Broadcast, 30 to 40 lbs. per acre. Prepaid, per lb., 25c; not prepaid, per lb., 15c; 5 lbs., 40c; 10 lbs., 75c; 25 lbs., $1.35; 100 lbs., $4.50.
FORAGE AND FODDER PLANTS.

GIANT SPURRY.

Spurry is an annual plant, extensively cultivated in Europe as a Winter pasture for cattle and sheep. It grows so well on poor, dry, sandy soil that it has been called "the clover of sandy lands." If sown in March, then again in May, and afterwards in July, it will produce three crops upon the same field in one season. Sow 15 lbs. per acre on soil fit for clover. It can be sown from March until August, and is fit for pasture in five weeks. Prepaid, per lb., 25¢; 5 lbs., 60¢; 10 lbs., 95¢; 25 lbs., $2.00; 100 lbs., $6.90.

AUSTRALIAN SALT BUSH.

Thousands of acres of alkali lands can be made productive and profitable by planting this valuable forage plant. One pound of seed will plant an acre. Sow after the ground has become warm and all danger of frost is past. Mix the seed with ten times its bulk of loam, sand or land planter and sow broadcast, after which cover lightly with a brush, harrow or roll lightly. Or the seed may be sown in boxes, or in a protected garden bed, and the seedlings transplanted when two inches high seven to eight feet apart. Prepaid, pkt., 10 cts.; oz., 20 cts.; ¼ lb., 65 cts.; lb., $1.90.

BROOM CORN.


SUGAR CANE.

Orange. Adapted to almost every section wherever introduced as a profitable crop for fodder, as well as for sugar making. Prepaid, lb., 20 cts. Not prepaid, 1 lb., 10 cts.; 5 lbs., 45 cts.; 10 lbs., 75 cts.; 25 lbs., $1.10; 100 lbs., $3.50.


SUNFLOWER SEED.

Sunflower seed is the best egg producing food known for poultry. It can be raised cheaper than corn. Besides the great value of seed as a poultry and stock food, its leaves make capital fodder, while its strong, thick stalks can be profitably used as fuel. Three quarts of seed will plant one acre.

Large Russian. Prepaid, lb., 20 cts. Not prepaid, lb., 08 cts.; 5 lbs., 30 cts.; 10 lbs., 50 cts.; 20 lbs., $1.10; 50 lbs., $2.00; 100 lbs., $3.90.


PEANUTS.

Plant Peanuts 12 inches apart in the row, and have the rows far enough apart to allow cultivating. As soon as ripe, turn hogs into the field, and they will help themselves. Prepaid, pt., 13 cts.; qt., 20 cts. Not prepaid, pt., 10 cts.; qt., 15 cts.; 5 qts., 95 cts.; 10 qts., $1.60; 32 qts., $2.80.

WILD RICE.

A valuable plant for sowing in lakes and marshes to attract water fowl. The seed should be sown during September and October, or in the early spring, as soon as the ice has disappeared. It should be scattered in water from one to three feet deep. Prepaid, per lb., 25 cts. Not prepaid, 1 lb., 20 cts.; 5 lbs., 90 cts.; 10 lbs., $1.70; 25 lbs., $4.00. 100 lbs., $15.00.

SACCALINE.

Extensively sold as a forage plant for desert and arid regions, as well as for low ground and waste places. Few of the experiments are sufficiently productive of results to recommend or condemn Saccaline. Prepaid, pkt., 10 cts.; oz., 35 cts.; ¼ lb., $1.25; lb., $4.00.

ARTICHOKE.

On good land, with same culture as corn, Artichoke will produce from 400 to 1,000 bu. per acre. A. C. Williams, of Iowa, a very prominent breeder of Poland Chinas, says: "Forty head of hogs and pigs may be kept without other food on an acre of Artichokes grown the first year, and not picked out of the ground until they grow again, and from October 1st until the ground freezes again. They produce more hog food per acre than any other crop I am acquainted with, and the hogs will harvest the crop themselves." Artichokes seed planting but once, and little or no culture after the first year. Cut as potatoes, only smaller; plant in rows 3½ feet apart. Plow deep, plant shallow, say 2 inches; the second year, break up the ground as for corn; will come up thick all over the surface. Run through each way with a cultivator when a few inches high. Prepaid, lb., 25¢; 3 lbs., 60¢. Not prepaid, pk., 50¢; 1 bu., $1.50; bbl., $4.00.
MISCELLANEOUS FORAGE AND PODDER PLANTS.

JAPANESE SOJA BEAN.

Sow in drills, 1/2 inches deep, 3 inches apart, and 25 inches between the rows. About 12 to 16 quarts per acre if sown in drills. If broadcast for hay or forage sow 1 to 1 1/4 bu. per acre. Never cultivate if leaves are wet.


Extra Early Black. (Purple Blossom) Grows 2 1/2 to 3 feet high, makes large, round and heavy yields. Yield 50 bu. and over per acre. Prepaid, pt., 25c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.


Common Small Yellow. Also called and sold by certain Seedsmen as German Coffee Berry. The beans, roasted and ground, closely resemble and taste very much like coffee. Grows 18 inches to 2 1/2 feet high, beans small and straw colored. Not recommended for the northern states. Prepaid. pt., 25c; qt., 40c. Not prepaid, pt., 10c; qt., 20c; pk., $1.00; bu., $3.50.

VELVET BEAN, THE GREAT NITROGEN GATHERER.

A worthy rival of the Cow Pea.

It is the rankest grower of any of the legumes; two or three seeded plants four feet apart in rows five feet apart will literally cover a 25 foot garden. Leaves thick with a mass of foliage and vines 20 to 25 feet long. Not likely to be grown on the market. It leaves a mulch on the ground that is very beneficial to the soil. The Florida Experimental Station reports 16,650 lbs. of green foliage per acre. Prepaid, pkg., 10c; qt., 25c; pt., $1.50; bu., $3.00.

FIELD BEANS.

Wernich's Improved Prolific Tree. A new field variety, bearing enormous crops, reaching 60 to 80 bushels to the acre. They should be planted very thinly in rows 2 1/2 feet apart. Prepaid, pt., 20c; qt., 35c; not prepaid, pt., 15c; qt., 25c; pk., $1.25; bu., $4.00.

Navy. A well known variety. Prepaid, pt., 20c; qt., 30c. Not prepaid, pt., 10c; qt., 15c; pk., $1.00; bu., $3.50.

FRUIT.

Tree, Hedge and Fruit Seeds.

CULTURE: Sow early in spring, in well prepared beds about two inches deep. When the seeds begin to germinate cover the beds lightly with pine boughs to shade the young plants from the sun. When the plants are all up, the brush should be gradually removed, but replaced before winter sets in. Let plants remain in beds for at least two years, then transplant into rows 2 feet apart, leaving about 12 inches between each plant. Keep ground clear, and when plants are strong enough remove to their intended place.

<table>
<thead>
<tr>
<th>English Name</th>
<th>Latin Name</th>
<th>Per Pkg</th>
<th>Per Oz</th>
<th>Per 1/4 lb</th>
<th>Per 1 lb</th>
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| EVERGREENS. | | | |
|-------------| | | |
| Cypress | *Cupressus* | $0.05-$0.30 | $0.03-$0.50 |
| European Juniper | *Juniperus Communis* | $0.10 | $0.05-$0.10 |
| Blue Spruce | *Picea Pungens* | $0.15-$0.25 | $0.10-$0.15 |
| Douglas Fir | *Pseudotsuga* | $0.10-$0.25 | $0.05-$0.10 |
| Norway Spruce | *Picea Excelsia* | $0.15-$0.25 | $0.10-$0.15 |
| Sitka Spruce | *Picea Taxifolia* | $0.25 | $0.15-$0.20 |
| Austrian Pine | *Pinus Atunis* | $0.15-$0.25 | $0.10-$0.15 |
| Scotch Pine | *Picea Sylvestris* | $0.25 | $0.15-$0.20 |
| White Pine | *Picea Strobus* | $0.25 | $0.15-$0.20 |

| SHRUBS. | | | |
|----------| | | |
| White Fringe | *Chionanthus Virginica* | $0.25 | $0.10-$0.15 |
| Gold Chain Tree | *Cytisus Laburnum* | $0.25 | $0.10-$0.15 |
| Lilac | *Syringa Vulgaris* | $0.25 | $0.10-$0.15 |
| Whin of Fringe | *Ulex Europeaus* | $0.25 | $0.10-$0.15 |
| Snowball | *Viburnum Opulus* | $0.25 | $0.10-$0.15 |

| FRUIT. | | | |
|---------| | | |
| Apple | | $0.05-$0.25 | $0.05-$0.25 |
| Apricot Pits | *Prunus* | $0.20 | $0.10-$0.15 |
| Cherry Pits | *Prunus* | $0.20 | $0.10-$0.15 |

NOTE.—Owing to the many causes for failure in the soil that we cannot be held responsible for any loss or on above condition only.
MILLETS.

50 lbs. to bushel, except where noted. Prices subject to Market Fluctuation. Sacks extra, 15 cts. each.

JAPANESE (BARN) YARD MILLET.
(panicum crus galli)
OR BILLION DOLLAR GRASS.

Also called Steel Trust Millet.

Introduced by Prof. Brooks of the Massachusetts Agricultural Experiment Station. Our Seed has been grown by Edw. E. Evans, whose picture appears in the upper corner of this page. This bundle of cut Millet stood 6 feet high. Since the introduction it has been sown from Maine to Washington and has given astonishing results in all sections, except in the cold and semi-arid regions of the west. It attains a height of 6 to 7½ feet with a yield of over 6 tons of cured hay per acre. Produces over 20 tons of green fodder. Cattle and horses eat it greedily. As a milk producer Crus Galli Seed has been found to equal corn meal. Our Seed is raised north of 44 deg. from absolutely pure thoroughly acclimated stock seed. Sow in May and June broadcast 10 to 12 pounds per acre; (it stooks remarkably) or in drills 8 lbs. per acre. Will yield a crop in 4 to 9 weeks. Recommended by the United States Dept. of Agriculture and all Experiment Stations. Prepaid. Pkg. 5c; lb. 20c; not prepaid, lb., 5c; pk., 60c; bu., 150 lbs. $2.00; 100 lbs., $3.50.

Hog Millet. A valuable variety, maturing at the same time as Hungarian Grass, producing a very heavy yield even in the driest season. At the Michigan Experiment Station trials this proved to be an excellent sort, showing no sign at all of being affected by drought. While recommending it for all sections, its highest comparative value will, of course, be found in those areas where corn cannot be safely or cheaply grown. Prepaid, lb., 15c. Not prepaid, lb., 5c.; 10 lbs., 30c; bu., $1.00; 100 lbs., $3.95.

Hungarian (Grass) Millet. Medium early, grows 3 to 5 feet high. abundant foliage and slender head; withstands droughts and yields well on light soil. 48 lbs. to the bushel.

Prepaid, lb., 20c. Not prepaid, lb., 10c; 5 lbs., 25c; 10 lbs., 40c; bu., $1.45; 100 lbs., $2.75.

German Edible Millet. A variety used extensively in Germany for table use. The seed is mash'd and cooked in milk.


Pearl Millet (Pennisetum siccatum). The first cutting should be made when about 3 feet high; this will cause it to tiller and spread, and as the season advances and becomes warmer, it grows with marvellous rapidity. No other crop will yield as much forage as Pearl Millet when sown on good land. Sow in drills, 5 to 6 lbs. per acre; if broadcast, 8 lbs. per acre. Prepaid, lb., 25c. Not prepaid, lb., 10 lbs., $1.25; 50 lbs., $5.00; 100 lbs., $9.75.

FIELD PUMPKINS.

Wernich's Mammoth Giant. Grows to an immense size, sometimes three feet in length and to a weight of 100 to 200 lbs. Prepaid, lb., $1.15; 5 lbs., $5.00. Not prepaid, lb., $1.05; 5 lbs., $4.50.

Connecticut Field. The well known Cow Pumpkin. Prepaid, lb., 35c; 5 lbs., $1.50. Not prepaid, lb., 25c; 5 lbs., $1.00.

CARROTS.

Mastodon. The Carrot for feeding stock. Grow to an enormous size. Yield tremendous crops. Prepaid, oz., 10c; 1 lb., 30c; 10 lbs., $1.05; 5 lbs., $0.75. Not prepaid, lb., 5 lbs., $3.25.

Improved Long Orange. This is a heavy cropper on all soil, but especially adapted for strong or rich land. Prepaid, lb., 15c; 5 lbs., $2.05. Not prepaid, lb., 25c; 5 lbs., $2.50.

Large White Belgian. This variety is amazingly productive; and nothing can equal them as a winter feed for milch cows. Prepaid, lb., 35c; 5 lbs., $2.30. Not prepaid, lb., 45c; 5 lbs., $2.00.

For other varieties see page 9 Vegetable Seed Dept.
ROOT CROPS.
FOR FEEDING STOCK.

MANGEL WURZEL.

The value of Mangels for stock raising cannot be overestimated. Analysis having demonstrated that 400 pounds of Mangel are equivalent to 100 pounds of wheat, they are used extensively by stockmen. Composition of a 1000 to 1500 bushels is nothing unusual. They will not only increase the yields of milk, but add largely to the health and general condition of all kinds of stock.

We have a large trade in Mangel Seed, and are careful to see that our stocks are of the finest strains that money will buy. Our prices are higher, 'tis true, but you are getting Seed that tests 98 per cent. Unquestionably your local merchant has seed that you can buy for 10 and 15 cents a pound. We urge you to be careful in sowing such truck. Sow only Wernich's Tested Mangel and you will be satisfied.

Eckendorfer Red.

This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 50 lbs. It is the best red Mangel and of the greatest value for stock feeding. They grow well above ground and are easily pulled. Prepaid, oz. 5c; $1.10, 15c; lb., 45c.

Not prepaid, lb., 35c; 5 lbs., $1.50; 10 lbs., $2.50.

Eckendorfer Yellow.

Very large. Remarkably even in shape, of vigorous growth; has a very smooth skin. Flesh white, firm and sweet, much liked by cattle. Easily lifted from the ground, producing enormous crops. Excellent for feeding stock. Prepaid, oz. 5c; $1.75, 15c; lb., 45c.

Not prepaid, 1 lb., 35c; 5 lbs., $1.50; 10 lbs., $2.50.

Obendorfer Golden.

This is the production of one of the largest Mangel specialties of Europe. It is thought by many to be the most profitable of all Mangels, and is exceedingly popular in those sections where it is best known. Form round. Skin is yellow and smooth; flesh white and very firm. Prepaid, oz. 5c; $0.75, 15c; lb., 40c.

Not prepaid, lb., 25c; 5 lbs., $1.10; 10 lbs., $2.00.

Golden Tankard.

We have for years insisted that this was the best Mangel grown, and each season, strengthens us in the position we took when it was a comparatively unknown sort. We recommend it as the best Mangel by far for dairy farmers. Prepaid, oz. 5c; $0.75, 15c; lb., 35c.

Not prepaid, lb., 25c; 5 lbs., $1.10; 10 lbs., $2.00.

Loutowitz Red.

This is an improvement on the old Mammoth Long Red Mangel. The roots are very large, uniformly straight and well formed. Color deep red; roots solid; tops small. Roots attain a large size. Produce an immense bulk and tonnage. Prepaid, oz. 5c; $0.75, 15c; lb., 35c.

Not prepaid, lb., 25c; 5 lbs., $1.10; 10 lbs., $2.00.

Long Red.

The old red Mangel. Prepaid, oz. 5c; $0.75, 15c; lb., 30c.

Not prepaid, 1 lb., 20c; 5 lbs., 50c; 10 lbs., $1.00.

SUGAR BEETS.

For stock feeding experience has proven that Sugar Beets as well as Mangel Wurzel are healthful, nutritious and economical.

Improved Kleivanzlebener. This variety at the present time has probably a wider cultivation than any other sugar beet. Our strain is of the very best, an improvement over the old Wanzlebener. "Floto," the grower and originator of the Improved Kleivanzlebener, is a well known grower and considers himself an expert, many of the leading Beet Sugar Refiners getting their seed from him. Prepaid, oz. 5c; $0.75, 15c; lb., 40c.

Not prepaid, 1 lb., 30c; 5 lbs., $1.35; 10 lbs., $2.15; 100 lbs., $18.00.

TURNIPS, RUTABAGAS.

Invaluable as a farm crop, for feeding cattle during the fall and winter months producing under good cultivation 1000 bushels per acre. Roots should be stored in barns, or pits as soon as freezing weather sets in and used as wanted during the winter. Sow in drills two feet apart at the rate of 2 lbs. per acre and thin out to 8 inches apart.

TURNIPS.

Purple Top White Globe. Early and productive. Prepaid, pkg. 5c; oz. 10c; $1.15, 15c; lb., 50c.

Not prepaid, lb., 40c; 5 lbs., $1.90; 10 lbs., $3.50.

Yellow Swede. A yellow variety. Cattle are fond of it. Prepaid, pkg. 5c; oz. 10c; $1.15, 15c; lb., 50c.

Not prepaid, lb., 35c; 5 lbs., $1.45; 10 lbs., $2.50.

RUTABAGAS.

Wernich's Improved Purple Top. Yields heavily good for either table or stock. Prepaid, pkg. 5c; oz. 10c; $1.15, 15c; lb., 50c.

Not prepaid, lb., 40c; 5 lbs., $2.10; 10 lbs., $3.50.

Sweet German. Productive and of the highest qualities. Prepaid, pkg. 5c; oz. 10c; $1.15, 15c; lb., 50c.

Not prepaid, lb., 40c; 5 lbs., $1.90; 10 lbs., $3.50.
Grass is
...THE...

Plain Truth About Grasses.

If Grass be King, then High-Grade Seed is necessary such, therefore

Mr. Farmer
If you pay little attention to the selection of Timothy, Clover and other grass seed, but buy from country merchants (who, however, well-intentioned, seldom have sufficient expert knowledge in this matter to protect
No Cattle, their customers), you will in a few years invariably find growing
No Manure, more weeds than grass.

WEIGHTS OF GRASSES.

To avoid confusion, we have adopted the uniform weight of 14 lbs. to the bushel of Grass Seed, excepting where otherwise noted. Therefore when comparing our prices with those of other houses, take notice of this fact, as they sell according to stroke measure weight, thus they give 7 lbs. of Meadow Foxtail for a bushel and figure the price that way, whereas we give 14 pounds to the bushel and charge accordingly.

BERMuda GRASS.
Not known in the North, but an excellent variety form warm Southern country. The seed is hard to harvest, therefore expensive. Per pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 80c; 5 lbs., $3.00.

BROMUS MOLLIS.
(Soft Brome Grass). Grows on any soil. It flowers in June. Largely used in Europe. By many considered a weed, others disputing this by claiming it to be a valuable addition to the already well known varieties. Prepaid, lb., 20c. Not prepaid, lb., 15c; bu. (14 lbs.) $1.40; 100 lbs., $25.00.

CANADA BLUE GRASS.
(Poa Canadensis). An excellent variety for pasture. Prepaid, per lb., 25c. Not prepaid, lb., 15c; bu. (14 lbs.) $1.40; 100 lbs., $8.50.

CREEPING BENT.
(Agrostis Stolonifera). Nothing better for deep, rich and moist soils. Valuable for pasture. Prepaid, per lb., 30c. Not prepaid, per lb., 20c; bu. (14 lbs.), $2.70; 100 lbs., $18.00.

CRESTED DOGTAIL.
(Cynosurus Cristatus). Withstands drought and does well on dry land. Either for pasture or lawn purposes. Prepaid, per lb., 45c. Not prepaid, lb., 30c; bu. (14 lbs.) $3.50; 100 lbs., $35.00.

ENGLISH RYE GRASS.
(Lolium Perenne). One of the best varieties for permanent pastures and meadows. Prepaid, per lb., 20c. Not prepaid, per lb., 10c; bu. (14 lbs.) $1.25; 100 lbs., $6.50.

FINE LEAVED FESCUE.
(Festuca Ovina Tenuifolia). The finest bladed grass valuable only for lawns and pastures. Prepaid, lb., 40c. Not prepaid, lb., 30c; bu. (14 lbs.) $4.00; 100 lbs., $65.00.

FOWL MEADOW.
(Poa Serotina). Grows rapidly and is valuable for low lands. Prepaid, lb., 40c. Not prepaid, lb., 30c; bu. (14 lbs.) $3.75; 100 lbs., $25.00.

HARD FESCUE.
(Festuca Duruscula). Excellent variety for dry soils, and in appearance similar to Sheep Fescue. Prepaid, lb., 22c. Not prepaid, lb., 15c; bu. (14 lbs.) $1.60; 100 lbs., $12.25.

ITALIAN RYE GRASS.

JOHNSON GRASS.
(Sorghum Halpense). For Southern States this is the best variety. It will stand great heat and severe drought and is liked well by all kinds of stock. Prepaid, lb., 25c. Not prepaid, lb., 15c; bu. (25 lbs.) $2.50; 100 lbs., $8.50.

KENTUCKY BLUE GRASS.
(Poa Patens). Better known as June Grass. It is adaptable to all climates and almost all soils as an excellent pasture and lawn grass. Fancy No. 1—Recleaned. Prepaid, per lb., 25c. Not prepaid, per lb., 15c; bu. (14 lbs.) $3.50; 100 lbs., $11.50. Common No. 2—More chaffy than the fancy. Prepaid, per lb., 20c. Not prepaid, per lb., 15c; bu. (14 lbs.) $1.25; 100 lbs., $7.50.

Swee Vernal.

Orchard Grass.
MEADOW FESCUE.  
(Festuca Pratensis).  This variety should not fail to be in all permanent pastures.  
No. 1 Fancy—Prepaid, per lb. 20c; not prepaid, per lb. 10c, bu. $1.25, 100 lbs. $7.50.  
No. 2 Common—Prepaid, per lb. 15c; not prepaid, per lb. 5c, bu. $1.10, 100 lbs. $6.50.  

MEADOW FOXTAIL.  
(Alopecurus Pratensis).  A perennial valuable for permanent pastures.  
Fancy No. 1—Prepaid, per lb. 32c; not prepaid, per lb. 25c, bu. (14 lbs.) $3.35, 100 lbs. $21.00.  
No. 2—Prepaid, per lb. 30c; not prepaid, per lb. 20c, bu. $2.65, 100 lbs. $18.00.  

ORCHARD GRASS.  
(Dactylis Glomerata). This is the best and one of the earliest pasture grasses known.  
Reeleaned No. 1—Northern grown seed. Prepaid, per lb. 30c; not prepaid, per lb. 20c, bu. (14 lbs.) $2.10, 100 lbs. $13.50.  
Common No. 2—Good seed, but contains some English Rye Grass. Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.75, 100 lbs. $10.50.  

RED FESCUE.  
(Festuca Rubra). A good variety for pasture, also used for lawns. Hardy and withstands drought. Prepaid, per lb. 30c; not prepaid, per lb. 20c, bu. (14 lbs.) $1.95, 100 lbs. $12.50.  

RED TOP.  
(Agrostis Vulgaris). One of the best known varieties, adaptable to almost any kind of soil.  
Fancy No. 1—Reeleaned seed. Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.15, 100 lbs. $8.50.  
Choice No. 2—Contains a little chaff. Prepaid, per lb. 20c; not prepaid, per lb. 10c, bu. (14 lbs.) $1.15, 100 lbs. $8.50.  
Common No. 3—Such as is sold in feed stores. Prepaid, per lb. 17c; not prepaid, per lb. 7c, bu. (14 lbs.) $0.90, 100 lbs. $6.25.  

ROUGH STALKED MEADOW.  
(Poa Trivialis). Used mostly on low, damp soils. Prepaid, per lb. 40c; not prepaid, per lb. 30c, bu. (14 lbs.) $3.55, 100 lbs. $24.00.  

SHEEP’S FESCUE.  
(Festuca Ovina). A favorite variety for sheep pastureage. Withstands drought.  
Fancy No. 1—Prepaid, per lb. 30c; not prepaid, per lb. 20c, bu. (14 lbs.) $1.95, 100 lbs. $12.50.  
No. 2—Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.80, 100 lbs. $10.00.  

SWEET VERNAL ANNUAL.  
(Anthoxanthum Puellil). Used in all meadows and pastures. Owes its name to its sweet odor when dry. Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.75, 100 lbs. $11.50.  

SWEET VERNAL PERENNIAL.  
(Anthoxanthum Odoratum). A good variety for use in all permanent meadows and pastures. Prepaid, per lb. $1.10; not prepaid, per lb. $1.00.  

TALL FESCUE.  
(Festuca Elatior). A good producing variety on low lands. Prepaid, per lb. 40c; not prepaid, per lb. 30c, bu. (14 lbs.) $3.75, 100 lbs. $25.50.  

TALL MEADOW OATS.  
(Avena Elatior). A rapid grower and an abundant yielder. Ought to be in all permanent meadows. Prepaid, per lb. 35c; not prepaid, per lb. 25c, bu. (14 lbs.) $2.75, 100 lbs. $17.00.  

VARIOUS-LEAVED FESCUE.  
(Festuca Heterophylla). Valuable for pastures and lawns. Prepaid, per lb. 35c; not prepaid, per lb. 25c, bu. (14 lbs.) $3.25, 100 lbs. $21.00.  

WATER FESCUE.  
(Glyceria Fluitans). Like the following variety in that it is valuable for improving marshes and low land in general. Mixed with Water Meadow, Fowl Meadow, and Rough Staked Meadow, it produces a fine quality of hay. Prepaid, per lb. 35c, not prepaid, per lb. 25c, bu. (14 lbs.) $3.25, 100 lbs. $21.00.  

WATER MEADOW.  
(Glyceria Aquatica). Of great value for low land, which is more or less under water at times, and where other grasses don’t catch or are drowned out. Grows rank and coarse, still it is nutritious and well liked by cattle. Prepaid, per lb. 40c, not prepaid, per lb. 30c, bu. (14 lbs.) $3.60, 100 lbs. $25.00.  

WOOD HAIR GRASS.  
(Alba Flexuosa). Is hardy and also grows in the driest regolus. Does as well in shady places. It is not of much value for hay. Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.75, 100 lbs. $10.00.  

WOOD MEADOW.  
(Poa Nemoralis). A good variety for pasture in shady places. Also a good variety for shady lawns. Prepaid, per lb. 45c; not prepaid, per lb. 35c, bu. (14 lbs.) $4.50, 100 lbs. $30.00.  

WOOLY SOFT GRASS.  
(Holcus lanatus). Will grow on any soil, especially low land for meadows. Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.95, 100 lbs. $12.00.  

YELLOW OAT GRASS.  
(Avena Flavecens). An excellent variety for pasture and meadows. Prepaid, per lb. 65c; not prepaid, per lb. 65c, bu. (14 lbs.) $7.00.  

ROUGH STALKED MEADOW.  
Wood Meadow.  
Wood Hair.  
Sheep’s Fescue.  
Tall Fescue.  

dow.  

MEADOW FOXTAIL.  
Meadow Foxtail.  

BLUE GRASS.  

WATER MEADOW.  
Water Meadow.  

YELLOW OAT.  

SHEEP’S FESCUE.  

SWEET VERNAL ANNUAL.  

YELLOW OAT GRASS.  

WOOD HAIR GRASS.  

WOOD MEADOW.  

WOOD HAIR GRASS.
BROMUS INERMIS
OR
AWNLESS BROME GRASS.

REPORTS OF EXPERIMENT STATIONS.

Mr. J. H. Sheppard, Professor of Agriculture, N. D. Agricultural College, Fargo, writes on Nov. 15, 1899:

"As pasture it is preferred to timothy by the cattle, as shown by a trial, where it was fed off more closely than timothy in the same pasture. It has the advantage of being early and being green until late in the fall. The fact that the Bromus Inermis resists drouth better than other cultivated grasses, greatly adds to its value in the Northwest. The eagerness with which it is sought by stock leads me to believe that it is of as much value as timothy, for hay and pastureage, and that the hay is as valuable, ton for ton."

Mr. S. W. Bedford, Supt. of Experimental Farm at Brandon, Manitoba, writes on Nov. 9, 1899:

The Bromus Inermis has done exceedingly well on the farm here, both on high and low land. Even on our gravelly soil and the tops of hills it has given us a fair return, while on the rich, alluvial soil it has yielded us a very heavy crop indeed, exceeding four tons of dry hay to the acre during the past year. It gives us a very much larger return than timothy, and cattle prefer it to any other hay we have tested here. We have tested its feeding value, both to dairy cattle and for feeding steers, and find that it gives us much better results than any other class of hay:"

Positively Drouth Defying and Frost Resisting.

Will stand the extremes of heat, cold and drouth. It yields enormous crops of splendid hay and affords early and abundant pasturage. It adapts itself to almost every condition of soil and climate, and to any use to which grass may be put, equaling in quality and rivaling in yield almost every other grass. It is no longer an experiment but a thoroughly established success. Will do as well in Canada as it does in the South, growing with a rapidity that is wonderful and producing heavy crops of hay and luxuriant pasturage. All kinds of stock eat it greedily, and by actual tests it has been found that it is exceedingly rich in flesh-forming ingredients. The seed should be sown as early in the spring as the ground can be worked.

Our Seed is the best to be obtained. If you don't believe it, send for a free sample and test it.

PRICES.

No. 1. Prepaid, per lb. 25c; not prepaid, 1 lb. 15c, bu. $1.85, 100 lbs. $12.00.

No. 2. Prepaid, per lb. 25c; not prepaid, 1 lb. 15c, bu. $1.95, 100 lbs. $12.25.

TURKESTAN ALFALFA.

(Medicago Sativa Var. Turkestanica.)

Perfectly hardy, withstands drought, heat and cold. It is a native of Russia Turkestan and was discovered by Prof. N. E. Hansen while on an exploring expedition in that country for the Department of Agriculture, Washington. The climate of Turkestan is not unlike that of our interior states, being far removed from the ocean and surrounded by wide expanses of dry land. The summers are very hot and long, and in many places the evaporation exceeds the quantity of moisture that has fallen during the year. The inhabitants are principally engaged in Stock raising, and here it is that this valuable new addition to our Clover family grows and flourishes.

WITHSTANDS EXTREME COLD WITHOUT INJURY.

At the experimental Station, Brookings, So. Dakota, with a minimum temperature of 40 degrees below zero, the ground bare, common Alfalfa was killed, while

TURKESTAN CAME THROUGH UNHARMED.

At the Wyoming Experiment Station the Turkestan Alfalfa was exposed to a minimum temperature of

45 DEGREES BELOW ZERO WITHOUT HARM.

We cannot impress upon you, Mr. Farmer, too strongly, to give Turkestan Alfalfa a trial this year. Order early, as the supply is limited. Prepaid, pkt. 10c, lb. 35c, 3 lbs. for $1.00. Not prepaid, per lb., 25c, peck $3.00, bu. $11.40, 100 lbs. $17.50.
THE CLOVER FOR SANDY SOILS.  

SANZ LUCERNE  

MEDICAGO FALCATA-SATIVA.  

UNQUESTIONABLY  

THE  

GREATEST  

OF ALL THE VARIETIES OF  

ALFALFA  

AND CERTAINLY THE GREATEST HAY—PRODUCING CLOVER EVER INTRODUCED.  

SAND LUCERNE THRIVES WHERE CLOVER FAILS.  

It withstands the severest winters and resists the worst drouth where once established. It is a positive drouth resistor and cannot be winter killed. It can be cut 3 to 6 times a season, depending on soil and climate.  

JUST THE CLOVER NEEDED.  

For the arid Plains of the West; the Sandy Soil of Michigan; the Cold Climate in the North, and the Hot and Dry Summer of the South.  

Extract from Bulletin No. 198. "Report of Michigan Experiment Station."  

Sand Lucerne is a leguminous, perennial plant, resembling Alfalfa. It develops an immense root system, and is capable of producing four crops of hay annually on high, sandy soil without irrigation. The best seedings are obtained by sowing alone, on well prepared ground, in early May, using about 15 lbs. of seed per acre. No crop is expected the first year, but two or three mowings, with the knives set high to destroy weeds, is advisable. The strength and productiveness of the plant improve with age, and one good seeding ought to last many years. It withstands the severe climate of Michigan when grown on dry, sandy land. The tests on low and heavy clay lands are not yet completed. To make the best quality of hay it should be cut as soon as the blossoms appear, and in curing it should be handled in the field as little as possible, to avoid the loss of leaves. The yield of cured hay per acre in 1902 from seedings made in 1897 was as follows:  

June 12th, 4318 lbs. per acre.  
July 24th, 4717 lbs. per acre,  
August 25th, 3000 lbs. per acre.  

A total of 12,035 pounds, or 6 tons, of hay per acre. This same plot of sandy soil produced in 1898, three crops with a total of 6,800 pounds; in 1899, four crops, 10,580 pounds; in 1900, four crops, 12,310 pounds; in 1901, four crops, 13,861 pounds. A grand total of 55586 POUNDS EQUAL TO 27½ TONS of Cured Hay Per Acre in 5 Years.  

And this on land that had received no fertilizer of any kind since the seed was sown.  

I CAN'T BE BEAT  

for a hay crop, and as for green forage hay or pasture, its close resemblance to common Alfalfa argues for it all that is claimed for the latter. Attaining mature growth early in June, one can easily manage it for a continuous soilings crop throughout the growing season. As hay it is relished by all farm animals; its high protein contents suggesting it as a substitute for part of the grain ration. As a pasture crop, one trial with sheep showed it capable of furnishing a liberal supply of feed throughout the season, and that the plant was able to withstand severe pasturing. Like the Alfalfa the Sand Lucerne is a deep rooted perennial plant, sending its tap roots to distances of 12 to 15 feet and over, into the ground with numerous large branching roots, which seem to increase and multiply as the plant grows older. In the fall of 1899 some two-year-old plants were traced, in light sandy soil, to the depth of seven and one-half feet, where the tap root was one-eighth of an inch in diameter. It has the special advantage over the Alfalfa of being able to withstand the severe winters and climate of northern Michigan, while the Alfalfa is very easily killed out. It is also said that Alfalfa is liable to be crowded out by the June grass, sorrell and other weeds. At the Michigan State experiments, no difficulty of this nature has been noticed with Sand Lucerne.  

CULTURE.  

Sow at the rate of 15 lbs. per acre. The ground should be carefully prepared early in the spring, by thorough deep plowing, followed by the roller, unless the ground is a clay loam. Follow up with a harrow sufficiently to prepare a good seed bed as for wheat or corn. The seed should then be sown early enough in the spring, say about May 1st to 15th, to give it the benefit of spring moisture. In harvesting the crop, care must be taken to cut as soon as the blossoms appear, or the plants might get to mature and thus become woody and valueless.  

PRICES.  

Postpaid per lb., 35 cts.; 3 lbs., $1.00. Not prepaid, per lb., 25 cts.; peck, $3.25; bu., $12.00; 100 lbs., $18.50.  

WARNING: Certain Seed Dealers are offering Sand Lucerne at such a ridiculous low figure that we doubt the genuineness of the seed; in fact, we are convinced it is not genuine, for when one of them was asked to guarantee his Seed to be true to name, he positively refused and had no excuse to offer for doing so. This, we think, is ample proof that he was offering ordinary Alfalfa for genuine Seed, as the Seed looks almost alike.
RECLEANED CLOVER SEED

To every 2 bushel or less add 15c for new bag. Prices subject to variation. Special quotations for large quantities.

When buying Clover Seed, price should cut no figure with the farmer. What he wants is good Seed. We price are rights, too. Seed for Samples.

ALSIKE OR SWEDISH.

(Tritium Hybridum.)

Hardy, yields enormously, and can be cut several times a year. Adapted to either high or low land. Fancy No. 1—Recleaned. Prepaid, per lb. 30c; not prepaid, per lb. 25c, peck $2.50, bu. $10.00, 100 lbs. $14.00.

Common No. 2—The kind such as is usually sold in flour and feed stores. Prepaid, lb. 25c; not prepaid, lb. 15c, pk. $1.80, bu. $6.60, 100 lbs. $10.50.

BOKHORA OR SWEET.

(Melilotus Alba.)

Of little value, except as a pasture for bees. Can also be used as a fertilizer. Prepaid, per lb. 30c; not prepaid, lb. 20c, pk. $2.75, bu. $10.25, 100 lbs. $16.50.

CRIMSON.

(Tritium Incarnatum.)

An annual variety, mostly used in the South, where it can be sown in the fall with success, but if sown in the North, not before spring. It produces enormously. Prepaid, per lb. 20c; not prepaid, per lb. 15c, peck $1.25, bu. $4.25, 100 lbs. $6.75.

JAPAN.

(Lespedeza Striata.)

low-spreading perennial, much like White Clover, of great value in Southern States. Flourishes on the poorest soils and withstands drought. Prepaid, lb. 40c; not prepaid, lb. 30c, peck $1.75, bu. (25 lbs.) $6.25, 100 lbs. $24.90.

MAMMOTH RED.

(Tritium Pratense Perenne.)

Grows almost as large as Red Clover, and often catches where other clover fail.

Fancy No. 1—Recleaned. Prepaid, lb. 25c; not prepaid, lb. 15c, peck $2.10, bu. $7.85, 100 lbs. $12.75.

Common No. 2—Prepaid, per lb. 25c; not prepaid, per lb. 15c, peck $2.50, bu. $8.70, 100 lbs. $12.90.

MEDIUM RED OR JUNE.

(Tritium Pratense.)

Fancy No. 1—Fancy re-cleaned. Northern grown seed. Although a hardy clover, we do not class it with our matchless Silesian Red. Prepaid, per lb. 15c; not prepaid, per lb. 15c, peck $2.10, per bu. $7.85, 100 lbs. $12.75.

Common Red No. 2—Prepaid, per lb. 25c; not prepaid per lb. 15c, peck $1.65, bu. $7.20, 100 lbs. $11.75.

SILESIAN RED CLOVER.

Heart Won't Kill It. Frost Won't Kill It.

It is an undisputed and acknowledged fact that Medium Red or June Clover is by far the most important clover (for permanent purposes). Experience, however, has proven that it suffers easily from drought and frost, which has been more noticeable the last few years in our northern climate, on account of our hot and dry summers and severe winters. Drought and frost will not affect Silesian Red Clover, which has proven to be absolutely drought defying and frost resisting.

It has become so widely known for its purity, strong vitality, hardiness, vigorous and healthy growth, and sturdiness, that we now receive orders from all over the United States and Canada where clover is sown. We do not sell any European grown seed which is very expensive. The seed we offer is grown in the north from seed imported by us, thus selling only seed that is thoroughly acclimated. In appearance Silesian Red Clover resembles the native red excepting that blossoms when full grown are larger and contain more seed when thoroughly ripe. In growth it differs vastly; its roots penetrate deeper, thus producing more vitality to the plant and giving it more sturdiness in growth and resisting powers. Prepaid, lb. 30c; not prepaid, lb. 25c, peck $2.50, bu. $9.00, 100 lbs. $13.50.

SAINFOIN OR ESPARSETTE.

(Onobrychis Sativa.)

Known in Europe as one of the best fodder and hay producing plants. The roots penetrate the ground to a great depth and like the Luzerne, when once rooted, will yield enormously the second growing year. Prepaid, per lb. 20c; not prepaid, per lb. 12c, peck 60c, (22 lbs.) $1.95, 100 lbs. $7.50.

SAND CLOVER OR KIDNEY VETCH.

(Anthyllis Vulneraria.)

A deep-rooted herbaceous, deeply perennial plant, valuable for dry sands and inferior soils, upon which Red Clover will not thrive. Eats with avility by sheep, cattle and horses. Useful in mixture for hay and produces abundance of hay and seed. Sow 20 lbs. of seed per acre. Prepaid, lb. 15c; not prepaid, lb. 25c, peck $3.00, bu. $15.75, 100 lbs. $137.75.

SERADELLA.

(Ornithopus Sativus.)

Especially valuable during the hot dry months of summer. Prepaid, per lb. 25c; not prepaid, per lb. 15c, peck $1.15, bu. (36 lbs.) $3.85, 100 lbs. $10.50.

WHITE.

(Tritium Repens.)

Used for lawns and pastures. Fancy No. 1—Recleaned, Northern grown seed. Prepaid, per lb. 35c; not prepaid, lb. 25c, peck $3.45, bu. $13.80, 100 lbs. $22.50.

If ordered, No. 2—Mixxed with a little Alake. Prepaid, peck $3.00, bu. $11.40, 100 lbs. $18.50.

YELLOW OR HOP.

(Medicago Lupulina.)

Also called Moonlight Clover, a name little known here. Grown more extensively and better known in Germany. It derives its name, "Moonlight," because it can be cut three or more times a season. Culture like Red Clover. Prepaid, per lb. 25c; not prepaid, lb. 15c, peck $2.00, bu. $6.75, 100 lbs. $10.50.

ALFAFA OR LUZERNE.

(Medicago Sativa.)

The Great Drought and Frost Resister. Produces 2 to 5 Cuttings a Year.

A perennial clover-like plant growing from 2 to 3 feet high adapted especially to dry climates and soils. It resembles clover in habit of growth and feeding value, but withstands drought much better. Alfalfa thrives on light, sandy, and loamy soils, making rapid early growth, and yielding immense crops, nutritious food for cattle. When once established it furnishes each season, from 3 to 5 cuttings of forage which curls into excellent hay. It gathers a large amount of nitrogen from the air and lower soil, and is therefore very valuable in rotation as a soil enricher. Sow from 15 to 25 lbs. per acre.

Salaner Alfalfa. Grown from imported seed. This seed is raised in the North, therefore extremely hardy and we recommend only Salaner Seed for our Northern climates. Prepaid, per lb. 30c; not prepaid, per lb. 20c, peck $2.70, bu. $10.20, 100 lbs. $18.50.

Turkestan Alfalfa. Page 42.

sand Lucerne. See page 43.

Prices of Grass and Clover Seed subject to market fluctuations.
Grass Is King

"No Grass"  "No Cattle"
"No Cattle"  "No Manure"
"Ne Manure"  "No Crops"

WERNICH'S SPECIAL GRASS MIXTURES.

For Permanent Meadows and Pastures.

The special mixtures which we offer are the results of many years of experience and careful experiment, and we are constantly benefiting by our experience in improving the combinations of the different mixtures offered, as the grasses prove more successful in different mixtures on various soils. We are always glad to give our customers the benefit of our knowledge and experience in these matters, and will cheerfully take pleasure in advising them as to their soils and purposes, if they will correspond with us in regard to same. We have in the following mixtures combined grasses suitable for the various soils and use for which they are recommended. The different mixtures are prepared both as to quantity and varieties best adapted to the soils and situation for which they are recommended.

At First Sight $2.00 to $3.00 per acre appears to be a high price for the seeding of a meadow or pasture but as we have confidence in our A, B, and C Mixtures, but bear in mind its permanency we have in view, and in the end it is a saving of over 100 per cent. over seeding with Timothy and Clover only.

What our customers say:

IN ARKANSAS.
Mixture No. 15 which I bought of you has proven to be just the thing for my land. Big crop of Hay.

JOH. GRUNERT.

IN IOWA.
The Grass Mixture I bought of you done well and produces big crops.

H. BASTIAN.

IN WYOMING.
Seed I bought of you seems to be just what we need on my soil.

A. ZULLIG.

IN MICHIGAN.
The Pasture Seed I got from you will turn out more feed than anything I ever saw.

JOHN MCFARLANE.

IN PENNSYLVANIA.
The No. 1 Mixture you sent me is up and doing fine. Will want more next year.

PETER KLAES.

IN WASHINGTON.
Am well pleased with the Mixture of grasses bought of you. It stood fine and produced an enormous quantity of Hay.

A. BERGER.

IN WISCONSIN.
Land which for years would not yield hay enough to pay for the Seed we put in, has given us a tremendous crop of hay this season from your Grass Mixtures sown in the fall of 1899. All my neighbors admire the field, and no doubt many will order seed from you.

JUNKED BROS., Deussman.

Permanent Meadows.

No. 1. For High and Dry Land, rather Light, Poor Soil.
Meadow Foxtail
Creeping Bent
Orchard Grass
Sweet Vernal
Meadow Fescue
Alsike Clover

No. 2. For High and Dry Land, Heavy Soil.
Red Fescue
Tail M'dw Oat Grass
Italian Rye Grass
Rough Stalked M'dw
Yellow Oat Grass
Luzerne & Red Clover

No. 3. For Low Land, Good and Rich Soil.
Meadow Foxtail
Creeping Bent
Orchard Grass
Sweet Vernal
Meadow Fescue
Alsike Clover

No. 4. For Peat Bottom.
Meadow Foxtail
Creeping Bent
Meadow Fescue
Red Clover
Alsike Clover

No. 5. For Low Land which is Flooded at Times.
Creeping Bent
Tail Fescue Grass
Red Top
Fowl Meadow
Alsike Clover

No. 6. For Swamps.
Water Meadow Grass
Water Fescue Grass
Tail Fescue Grass

What our customers say:

IN ILLINOIS.
Your Grass Mixtures have given splendid results and can recommend them highly.

JOHN HERBERT.

IN NEW MEXICO.
The Grass Seed I bought of you done splendidly.

MATH. NOCK.
B—MIXTURE FOR PERMANENT PASTURES.

No. 7. For High and Dry Land, rather Light, Poor Soil.

Meadow Foxtail...
Orchard Grass...
Timothy...
Rough Stalked Meadow...
Meadow Fescue...
English Rye Grass...
Italian Rye Grass...
Luzerne...
White Clover...

No. 8. For High and Dry Land, Good Soil.

Meadow Foxtail...
Orchard Grass...
Timothy...
Rough Stalked Meadow...
Meadow Fescue...
English Rye Grass...
Italian Rye Grass...
Luzerne...
White Clover...

C—MIXTURE FOR SPECIAL PURPOSES.

No. 12. For Side Hills, to avoid Sliding or Washing off.

Broms Inermis... 16 lbs. per acre.
Creeping Bent... @ 18c lb... $2.88
Wool Hair Grass... 100 lbs... $10.60

No. 13. For Black Soil, wet in the Spring and dry in the Summer.

Crested Dog's Tail...
Sweet Vernal... @ 18c lb... $2.25
Italian Rye Grass... @ 12c lb... $2.50
Blue Grass... 100 lbs... $11.25
White Clover...


Wood Hair Grass...
Sand Luzerne...
Dog's Fescue... @ 15c lb... $2.40
Hard Fescue... 100 lbs... $13.75
Yellow Clover...

No. 15. For Sheep Pasture, High and Dry Land.

Wood Hair Grass...
Crested Dog's Tail...
Sweet Vernal... @ 18c lb... $2.25
Blue Grass...
Sheep's Fescue...
White Clover...

No. 16. Extra Mixture for a Hog Pasture.

Red Clover...
Mammoth Clover...
Alsyke Clover...
Creeping Bent... @ 15c lb... $2.40
Timothy...

D—CHEAP HAY AND PASTURE MIXTURES.

Cahoon's Broadcast Seed Sower. FREE!

Broadcasts 16 to 40 feet Wheat, Rye, Oats, Barley, Timothy, Clover, Millet, etc.

Price, $2.75, or free with every purchase of our Grass Mixtures, (excepting the "D" Mixtures on bottom of page) to the amount of $30.00.

GET A
THOMSON'S WHEELBARROW SEEDER
FOR NOTHING.

Sows Clover, Timothy, Millet, Alalfa, Flax, Grain, etc. Sows 40 to 60 acres a day. Wind cannot interfere in the sowing with this machine. Weight, 40 lbs. Price, $7.25, or FREE with every purchase of our Grass Mixtures (excepting the "D" Mixtures on the bottom of page) to the amount of $100.00.

THE QUANTITIES
as given per acre with A, B, and C Mixtures are the minimum. Our advice always is that Grass Seed CANNOT be sown too thick, therefore we recommend that half again as much per acre will do more good than harm. Or you can add 5 to 10 pounds of Timothy to above mixtures per acre.

No. 9. For Low and Wet Pastures.

Tall Fescue Grass...
Red Top...
Orchard Grass...
Creeping Bent...
Timothy...
Alsyke Clover...

No. 10. For Improving or Seeding a Marsh.

Water Fescue... 10 lbs. per acre.
Tall Fescue Grass. @ 15c lb... $1.50
Red Top...

No. 11. For Improving or Seeding a New Pasture in the Woods or Shady Places.

Wood Hair Grass...
Kentucky Blue...
Crested Dog's Tail...
Tall Meadow Oat...
Sweet Vernal...
White Clover...

No. 17. For Two Crops of Hay and Hog Pasture.

Claxton Clover... 15 lbs. per acre.
Italian Rye Grass... @ 11c lb... $1.14
Creep. Bent Grass... 100 lbs... $10.50

No. 18. Wernich's Special Mixtures.

For soils where it is hard to determine what Grasses or Clovers are adapted to growing. 11 Varlet. Clovers... 18 lbs. per acre.
26 Varlet. Grasses. @ 15c lb... $1.80

No. 19. Extra German Mixture.

Land that has been used for barley and oats for years, and is to be turned over for meadow, can be sown with this mixture and obtain good results.

Red Clover...
Timothy...
Meadow Fescue...
Orchard Grass...
English Rye Grass

No. 20. Special Mixture, Plenty & Fodder.

If sown in April this mixture will yield 1/4 to 2 tons of hay the latter part of June, and 10 tons in August and leave enough pasture.

Hungar. Grass... 40 lbs. per acre.
Ital.Rye Grass... @ 5c lb... $2.20

No. 0. For a Prairie.

Creep. Bent Grass...
Meadow Fescue...
Orchard Grass...
Tall M'dw. Oat...
Claxton Clover...
Red Clover...

ROLL YOUR GRASS LANDS.

Rolling both hay and grazing fields with a heavy roller at frequent intervals throughout the year is of decided benefit, as it causes the grass roots to strike deeper, thus making a better growth of grass, and, at the same time, it enables the grass to withstand droughts much better than when not so rolled. We strongly recommend our customers to practice this work frequently, and they will find the results eminently satisfactory. The best time to roll hay field is immediately after cutting, and also early in the spring, before the grass gets a good start.
Wernich's Lawn Grass Mixtures.

HOW TO SECURE A GOOD LAWN.

The principal features to secure a good lawn are: First, a rich, well drained soil; second, careful preparation of the ground, making it as fine, smooth and mellow as possible; third, a wise selection of seeds; fourth, sowing at such a time as to give the young plant time to become well established before being subject to very dry or very cold weather. Seeding may be done in spring or fall. If done during the hot months of summer, the ground must be kept moderately moist when sowing is done. With the ground prepared well, let the surface be gone over with a fine rake, and the seed evenly scattered, after which carefully rake or brush the seed in and follow with a roller.

The Special Mixtures here offered have been prepared with a view to overcoming difficulties that have hitherto existed in getting grass to grow on steep slopes, in the shade, etc., where the grasses ordinarily used would not succeed.

SEED REQUIRED.

25x25 feet, or 625 square feet........1 pound
50x50 feet, or 2,500 square feet.......1 peck

WERNICH'S "FINE MIXED" LAWN GRASS.

A mixture containing cheaper grades of grass seeds than our "Peerless Lake Park Mixture." Prepaid, 1/2 lb., 15c; lb., 30c; pk., 95c. Not prepaid, 1/2 lb., 10c; 1 lb., 20c; pk., (31/2 lbs.) 55c; bu., (14 lbs.) $2.50; 4 bu., $9.00; 100 lbs., $17.50.

WERNICH'S "LAKE PARK" LAWN GRASS.

This excellent mixture is composed of only the finest Dwarf Growing Recleaned Grass Seeds, mixed in proper proportions. This mixture is the same as is used in our Milwaukee Public Parks. Prepaid, 1/2 lb., 20c; lb., 35c; peck, $1.10. Not prepaid, 1/2 lb., 15c; lb., 25c; peck, (31/2 lbs.) 80c; bu., (14 lbs.) $3.00; 4 bu., (enough for 1 acre) $10.50; 100 lbs., $19.00.

100x100 feet, or 10,000 square feet, 1 bushel Per Acre ..................................4 bushel

"TERRACE SOD" LAWN GRASS.

A special mixture of grasses best suited for sowing on terraces, railroad embankments and side hills—grasses that produce strong spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, velvety green turf throughout the season. Prepaid, 1/2 lb., 25c; lb., 50c; peck, $1.70. Not prepaid, lb., 40c; peck, (31/2 lbs.) $1.40; bu., (14 lbs.) $3.00; 4 bu., $18.00; 100 lbs., $32.00.

"SHADY NOOK" LAWN GRASS.

On nearly all lawns there are unsightly bare spots under the shade trees, which have baffled all efforts to get into grass, but with this mixture there need be no further difficulty. Prepaid, 1/2 lb., 30c; lb., 50c; pk., $1.70. Not prepaid, 1/2 lb., 25c; lb., 40c; pk. (31/2 lbs.) $1.40; bu., (14 lbs.) $3.00; 4 bu., $18.00; 100 lbs., $32.00.

CATCH THE MOLES IN YOUR LAWN WITH THE "OUT O' SIGHT" MOLE TRAP.

Many of our customers have written us that they have been greatly troubled with moles in their lawn.

It will catch when others fail. Full particulars with each Trap.

The "Out O' Sight Mole Trap" has many advantages over all others. It is designed and built right, easy to set without danger to operator, can be used in hot beds on account of its height, pedal can be set so sensitive that it is impossible for the mole to pass under the trap without being caught.

The Following Abbreviations Occur in the Flower

A for Annuals, that grow, bloom and die the first year from seed.
B for Biennials, that bloom the second year from seed, and then die, although many, if sown early in the spring, will flower the first year.
P for Perennials, that usually bloom the second year from seed, and continue to grow and bloom for many years. Some will also bloom the first year, if sown early.

H indicates that they are Hardy, and H H, Half Hardy. T indicates that they are Tender.

SEEDS FOR SPECIAL PURPOSES.

The following list is useful in making selections of suitable varieties for a given object.

LOW GROWING PLANTS.

For Beds and Edgings.
Ageratum, Agrostemma, Alyssum, Amaranthus, Asperula, Bachelor’s Button, Begonia, Browallia, Calceolaria, Calliopsis, Campanula, Candytuft, Chrysanthemum, Dalia, Daisy, Dianthus or Pinks, Escholtzia, Forget-me-nots, Gaillardia, Geranium, Gnapphiium, Golden Rod, Heliotrope, Ice Plant, Lobelia, Mignonette, Marigold, Nasturtium, (dwarf).

TALL GROWING PLANTS.

For Backgrounds and Centers.
Adonis, Antirrhinum or Snap Dragon, Aquilegia, Aster, Auricula, Balsam, Calendula, Canna, Castor Bean, Celosia, Cleome, Cosmos, Datura, Delphinium, Digitalis, Heliopsis, Hollyhock, Helianthus or Sunflower, Jacobea, Lupins, Marigold, Mirabilis or Four O’Clock, Nicotiana, Paeony, Primula, Salvia, Stocks, Sweet William, Zinnia.

FOR CONSTANT BLOOM.

Sweet Alyssum, Candytuft, Carnation, Celosia, Escholtzia, Nasturtiums, Petunias, Phlox Drummondii, Pinks, Portulaca, Sweet Peas, Verbena, Zinnia.

FOR VASES AND BASKETS.


CLIMBERS FOR PORCHES, ETC.

Abronia, Adlumia, Aristolochia, Canary Bird Flower, Clematis, Cobaea, Convovulus Major, Cypress Vine, Dolly, Gourds, Humulus or Japan Hops, Lophospermum, Momordica, Moonflower, Nasturtium (tall), Passiflora, Scarlet Runner Beans, Sweet Pea, Wild Cucumber.

FOR FRAGRANT FLOWERS.

Sweet Alyssum, Candytuft, Carnation, Four O’Clock, Heliotrope, Mignonette, Nasturtium, Stocks, Sweet Peas, Verbena, Violet, Wallflower.

THERE IS MONEY FOR YOU in Flower Seeds, and it will pay you to secure your neighbor’s orders.

WE MAKE THESE LIBERAL DISCOUNTS:

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worth of Flower and Vegetable Seeds in packets and ounces. This discount, however, does not apply to seed by weight ½ lbs., and over, or collections, nor does it apply to orders sent at different times during the season, except previous arrangement is made, nor does it apply to plants, bulbs, potatoes, grass and field seeds and tools; but customers are allowed to select seeds for the cost of remittances besides these discounts.

ABOBRA.

Virdiflora. A very rapid growing and exceedingly beautiful climber, producing dazzling scarlet fruit. (6 feet). T. A. Pkt. 5c.

ABRONIA.

Umbellata. trailing Plant with Verbena-like and Rose-like flowers. May be trained to sticks or left in its natural mode of growth. Peel off the husk before sowing. H. H. A. Pkt. 5c.

ABUTILON.

(Chinese Bell Flower.)

New Hybrids, Mixed. The plants are of compact growth, flowering continually; suitable for house in winter and gardens in summer; producing much larger bell-shaped flowers than the old types—the range of colors includes white, straw, yellow, rose, crimson, orange and many beautifully striped varieties. 2 to 4 feet. T. F. Pkt. 10c.

ADLUMIA.

(Mountain Fringe, or Allegheny Vine.)

Cirrhosa. An attractive climber. The flowers are flesh-colored and form a fine contrast to the pale-green foliage of the plant. Height 15 feet. H. B. Pkt. 5c.
ADONIS.

Aestivalis (Pion Adonis). Ornamental garden annual, of easy culture, flowering freely; gracefully feathery foliage. Crimson. H. A. 1 foot. Pkt. 

AGERATUM.

Annuals bearing continually and profusely, clusters of feathery flowers; suitable for pot culture in winter or bedding out in summer. H. A.

Little Dorrit. Fine white flowers; 18 inches. Pkt. 3 cts.

Tom Thumb. Very dwarf, blue flowers; 6 inches. Pkt. 3 cts.

AGROSTEMMA.

Coel Rosen (Rose of Heaven). Attractive, producing flowers on long slender stems like a single pink; blooms the first season. H. A. 1 foot. Pkt. 5 cts.

ALYSUM.

These flower profusely throughout the season, thriving in flower garden, window boxes, vases, etc.; also well adapted for ribbon lines and edgings; very fragrant.

Little Gem. Grows quick from seeds and the plants will bloom when quite young. The abundance of flowers is simply enormous; 200 blossoms have been counted on a single plant. H. A. 1/4 oz., 10c; oz., 25c; pkt. 50c.


AMARANTHUS.

Ornamental foliage and flowering annuals of rapid growth, easy culture and very showy, with flower spikes of richly colored foliage. T. A.

Candatus (Love lies bleeding). Long, dark red; drooping flowers; 3 feet. Pkt. 5 cts.

Sulciolus. (Flower Tassel Plant). Gracefully drooping, willow-shaped leaves, banded and tipped with orange, carmine and bronze, 2 to 3 feet. Pkt. 5 cts.

Tricolor. (Joseph’s Coat). Leaves red, yellow and green. 3 feet. Pkt. 5 cts.

Mixed. All varieties. Pkt. 5 cts.

AMELOPSIS.

Veitchii. (Boston or Japan Ivy). Valuable hardy perennial climbing to walls of wood, brick or stone; foliage dense, of glossy green, changing to red and yellow in autumn. H. P. 30 feet. Pkt. 10 cts.

ANTIRRHNINUM.

(Snap Dragon.) For summer flower beds and borders these half-hardy perennials are very showy, and flower from seed the first season. They grow 1 to 3 feet high, and are masses of bloom. H. H. P.

Tall, Mixed Colors. Selfs and stripes. 2 to 3 feet. Pkt. 10 cts.

Giant-Flowering. The flowers are nearly double the size of the older sorts. 2 to 3 feet. Pkt. 10 cts.


AQUILEGIA, OR COLOMBINE.

Hardy perennials, luxuriant in the moister situations in the garden, where they form permanent clumps, growing from 1 1/2 to 3 feet high. The large, unique, long-spired flowers, gracefully hung on long stems, are not only brilliantly effective on the plant, but equally as desirable when cut for vase and house decoration. H. P.

Alba (White Spurred). A beautiful pure white variety. 3 feet. Pkt. 10c.

Chrysantha (Golden Spurred). Bright golden yellow flowers. Pkt. 10 cts.

Glandulosa. Lovely shade of light green and pure white. 2 feet. Pkt. 10 cts.

Double. All colors mixed. OZ. 30 cts.; pkt. 5 cts.

ARISTOLOCHIA SIPHO.

Dutchman’s Pipe Vine.

Rapid, luxuriant, hardy perennial climbers: large leaves, clinging house shade; flowers yellow and brown. Sipho-Dutchman’s Pipe. H. P. 30 feet. Pkt. 10 cts.

ASPARAGUS SPRENGERII.

Also called Emerald Feather and Abyssinian Parlor Fern. New. Perhaps the best new plant introduced in ten years. Highly praised everywhere; handsome; seed dropping from a pot or basket. Sprays from four to six feet long, of fresh green, feathery foliage; useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting; grows freely the whole year round. Extremely valuable for all purposes. Flowers white, followed by red berries. A plant that will please you. T. P. Pkt. (15 seeds). 10 cts.

ASPARAGUS PLUMOSUS.

Asparagus Fern. One of the prettiest house plants. The leaves are bright green, gracefully arched, sur- passed Only by Maidenhair Fern in grace, delicacy of texture and richness of color. It is admirably adapted to house culture. T. P. Pkt. (6 seeds). 10 cts.; 25 seeds. 35 cts.
ASTERS.

Asters may be sown in the open ground after danger from frost is past. Stronger plants and earlier flowers can be obtained by sowing in a light window, hot bed or greenhouse. They require rich, loamy soil, and in dry weather should be mulched with well rotted manure to produce large flowers, yet they will succeed admirably in the most ordinary garden soil. H. A.

DWARF VICTORIA.

This is one of the best semi-dwarf Asters in existence. The flowers are very large, are borne on upright stems, are of ideal form, and the colors are of the richest and daintiest hues. There are color combinations and shadings in this class of Asters not found in any other class.

Height, 10 inches.

Pure White. Pkt. 8 cts. 
Crimson. Pkt. 8 cts.
Purple Violet. Pkt. 8 cts.
Light Blue. Pkt. 8 cts.
Scarlet. Pkt. 8 cts.
Peach Blossom. Pkt. 8 cts.

Imported collection of the above six packets, 40 cts.

Dwarf Victoria Mixed. Pkt. 8 cts.

Paeony Flowered Perfecton.

For size of flowers, beauty of colors and habit of plants, this Aster is almost unrivaled. Flowers are incurved like those of a paeony, and of beautiful form with rich, brilliant colors. Plants grow about two feet high, stout and vigorous.

Pure White. Pkt. 8 cts.
Rose and White. Pkt. 8 cts.
Purple Violet. Pkt. 8 cts.
Light Blue. Pkt. 8 cts.
Dark Blue. Pkt. 8 cts.
Crimson. Pkt. 8 cts.

Imported collection of above six packets, 40 cts.

Paeony-Flowered Mixed. Pkt. 80 cts.

COMET or POODLE.

Next to the above, the Comet is the handsomest of tall growing Asters. The flowers are handsome, very attractive, with long, curled and twisted petals formed into a large globe-shape. All are produced on long stiff stems, making these Asters useful for corsage bouquets as well as for cut flowers.

Mixed. Pkt. 10 cts.

DWARF OSTRICH FEATHER.

Of dwarf bushy habit, 8 inches in height, candelabra shaped and of elegant form. Flowers are of immense size with very long graceful curled petals, very imposing in appearance.


SPECIAL OFFER.

The five varieties of flowers shown on this page for 40 cts.
BEGONIA. 

Magnificent flowering pot plants, and deservedly popular for garden bedding, flowering in the greatest profusion all summer.

**Single, Large-Flowering, Mixed Colors.** From choicest erect-flowering varieties. Pkt..........................25 cts.

**Double, Large-Flowering, Mixed Colors.** From prize varieties. Pkt..........................50 cts.

**Hex.** Large, ornamental leaves of dark green, bronze, gold, red, etc. Pkt. 25 cts.

BROWALLIA (AMETHYST).

Handsome annuals, with blue or white flowers, completely studding the bushy plants during the whole summer; fine for garden beds in summer or pot culture in winter. H. H. A. 1½ feet.

**Mixed Colors.** Pkt..........................5 cts.

CACALIA.

Tassel Flower.


**Mixed Colors.** Pkt..........................5 cts.

CACTUS.

Sow in flat pans or flower-pot saucers filled with sand, keep moderately moist and cover with a piece of glass or a tumbler. The best way is to place the pan or saucer in which the seeds are planted into one of larger size, which can be kept full of water, thus assuring the required moisture. H. H. P. Mixed. Pkt..................15 cts.

CALCEOLARIA.

Unsurpassed for the green-house or conservatory, producing flowers in great variety. The blooms are remarkable for their oddness of shape, and for their richness, diversity and variety of color. T. P. 1 foot. Pkt..........................25 cts.

CALENDULA.

Dwarf, bushy annuals, blooming abundantly until frost; of easy culture; indispensable for summer garden or for pot culture in the winter. H. A. 1 foot.

**Meteor.** Yellow, striped with orange. Oz., 20 cts.; Pkt..........................5 cts.


**Piluvalis.** Single, pure white. Oz. 25 cts.; Pkt..........................5 cts.

**Mixed.** Oz. 20 cts.; Pkt..........................5 cts.

CALLIOPSIS.

Finest Mixed. Showy garden annuals, with large bright flowers borne in great profusion from early summer until frost. Height about 2 feet. H. A. 1 to 2 feet.

**Mixed.** Oz. 20 cts.; Pkt..........................5 cts.

SPECIAL OFFER.

The 7 Choice Flowers shown on this Page for 40 cts.


canary bird vine.

A beautiful climber, the charming little canary-colored blossoms bearing a faucled resemblance to a bird with its wings half expanded. H. H. A. 10 feet. Oz., 30 cts.; Pkt..........................5 cts.

CANDYTUFT.

Dwarf annuals, flowering profusely throughout the whole season; great favorites for beds, edgings, pots and borders; the plants are fairly covered with blossoms, and of the easiest culture. H. A. 12 inches.

**Dwarf Carmine.** Pkt..........................5 cts.

**Dwarf Lilac.** Pkt..........................5 cts.

**Dwarf Mixed.** Pkt..........................5 cts.

CARNATIONS.

The most magnificent of all the pink family, and are general favorites for their delicious fragrance and richness of color. Seed may be sown under glass in spring, or in the open ground. H. H. P.


**Early Red Grenadin.** For yielding a quantity of double red flowers, there is no outdoor Carnation that can equal it. Pkt..........................5 cts.

**Margaret Carnation.** This Carnation blooms in four months from sowing. Flowers are larger, and the variety of colors is infinitely greater. Pkt..........................5 cts.
CELOSIA OR COCKSCOMB.
Interesting and brilliant annuals so as to resemble a cock's comb, of tropical origin.
Are finely cut. H. A. Cristata Coelecina. Dwarf crimson, fine, 1 foot. Pkt. 3 cts.
Glasgow Prize. Very dwarf; immense crimson comb, 1 foot. Pkt. 3 cts.
Ostrich Plumied, Mixed Colors. Plumes of crimson, orange, yellow, rose, etc. 3 feet. Pkt. 3 cts.
All three Pkts. (one of each) for 10 cts.

CENTAUREA
Bachelor Button.
Thanks to the praiseworthy fashion of late years of using, as far as possible, only long-stemmed flowers for bouquets, the Centaureas has become a general favorite.
Cyanus. Double mixed. H. A. Pkt. 5 cts.

CHRYSANTHEMUM.
Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants; good for pot-culture, distinct from autumn-flowering varieties.
Annual Varieties.
Coronarium, Double Yellow. Pkt. 5 cts.
Mixed Annuals. Pkt. 8 cts.
All four packets 10 cts.

Perennial Varieties.
All 5 Varieties 15 cts.

CINERARIA.
Wernich's International Mixture.
This is a mixture of the finest English, French and German strains, the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Pkt. 10 cts.
Maritima (Dusty Miller). Extensively used for ribbon-planting, vases, hanging baskets, etc.; leaves silver gray; although perennial, it is grown as an annual. H. A. Pkt. 3 cts.

CLARKIA.
Charming garden annuals. The flowers of rose, white, red, purple, etc., borne in profusion. H. A. 1 to 2 feet.
Double Mixed. Pkt. 5 cts.

CLEMATIS.
A well-known and rapid growing, free flowering climber. Seed should be sown in the fall or winter in shallow boxes in the usual way, and when an inch or two high, transplant into boxes or small pots preparatory to planting in the open ground. H. P. Jackmanii Varieties. Flowers 3 to 4 inches across. Mixed. Pkt. 25 cts.

SPECIAL OFFER.
THE 7 CHOICE FLOWERS ON THIS PAGE.

CLEOME PUNGENS.
Giant Spider Plant.
Grows freely from seed sown in the open ground during April or May; height, about 4 feet. The flowers are very showy, with long, slender stamens and rose-colored petals, combined with the long, slender seed pods, give it the effect of a long and many-legged spider, with the flowers for a head. T. P. Pkt. 5 cts.

COBEEA.
Magnificent rapid growing climber, often growing 20 to 30 feet in a season. The seed should be planted edge down and no water given unless the soil becomes very dry. T. P.
Scandens. Blue. Pkt. 5 cts.

COLEUS.
Grown either in the garden or in pots. They are very handsome. Easily raised from seed if planted in good soil and watered plentifully. The color combinations are remarkably beautiful and make as handsome a foliage plant as can be obtained from seeds.
Hybrid. Pkt. 15 cts.

CONVULVULUS.
Morning Glory.
See page 55.

COSMOS.
Giant Fancy. The plants, 5 to 8 feet high, are one mass of feathery green foliage, greased with large single flowers of white, pink or crimson, enlivening the garden long after more tender flowers have succumbed to early frost. For bouquets and vases this is one of the finest flowers grown. Flowers often 5 inches in diameter. H. H. A. Pkt. 10 cts.

CYCLOMEN.
Valuable pot plants with orchid-like blossoms of great variety and beauty of coloring, varying from the purest white to the darkest crimson. They can be grown from seed and brought to flower in about 11 months from the time of sowing. H. H. P. 1 foot.
Gigantum Mont Blanc. Snow white, large. Pkt. 25 cts.
Persicum Gigantum. Finest mixed. The flowers measure from 2 to 2 1/2 inches in length. Pkt. 25 cts.

CYPERUS ALTERNIFOLIUS.
Umbrella Plant. A strikingly handsome foliage plant, easily raised from seed. T. P. Pkt. 10 cts.
CYPRUS VINE.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work. Good for ten feet if properly fed. Fairly thick in a good soil will make a dense screen of the most exquisite foliage and flowers. H. A. 15 feet.

Scariet, Pkt. 5 cts.; White, Pkt. 5 cts.; Ivy Leaved, Mixed, Pkt. 5 cts.; Pink, Oz. 25 cts.; Pkt. 5 cts.

DAHLIA.

Many people are not aware that Dahlia from seed sown in the spring will bloom beautifully the first summer, and give good satisfaction. We would advise under glass, and transplanting to the garden in good rich soil the 1st of May.

Double Large Flowering, Mixed. Pkt. 10 cts.; Pomponne Mixed, Pkt. 10 cts.; Cactus Mixed, Pkt. 10 cts.

DAISY.

Bellis Perennis.

Plants of Double Daisy will bloom the first summer, and will continue to bloom for years. It commences blooming in April and continues to bloom until summer. They are not very particular as to soil, but should be grown where they have plenty of sun. The Maxima, Double Giant, red. 10 cts.; Snowball Daisy, Long stem and large double flowers. Pkt. 10 cts.; Longfellow, Dark pink flowers, usually large and double; very long and still flower spikes. Pkt. 10 cts.; All three, one packet each, for 25 cts.; Double Mixed. Pkt. 10 cts.

DATURA.

Trumpet Flower.

An attractive plant with large foliage and of vigorous growth, producing a succession of large trumpet-shaped flowers, larger than a Cala Lily and having faint perfume. H. A. 3 feet.

Coronopus—Horn of Plenty. The flower is immense, of the same color and 5 inches wide at the mouth, and conical, having 3 cones, one within the other, each with spreading waxy whirling. Center is fine purple-white. Pkt. 10 cts.; Double Mixed, Oz. 40 cts.; Pkt. 5 cts.

DIANTHUS OR PINKS.

Hardy Garden Pinks.

The pinks may be ranked amongst the fairest gems of our flower gardens, and are deserving of their great popularity. One foot high. H. B.

Chinensis. (China or Indin Pink) Superb varieties, double mixed. Oz. 30 cts.; Pkt. 3 cts.; Hedewingia, Mixed Colors. (Single Japan Pinks) Magnificent flowers, 2 to 3 inches across, broad and round, and of many exquisite colors; striped and spotted. Pkt. 5 cts.; Plinaris, Double Mixed. Double-figured fragrant flowers, white, crimson or purple shades, spotted and variegated. 12 inches high. Pkt. 10 cts.

DIGITALIS.

Foxglove, or Witches' Fingers. Ornamental hardy border plants, easy culture, having long spikes of showy flowers. 3 to 5 feet. Pkt. 10 cts.; Fine Mixed. Pkt. 5 cts.

DOLICHOS LABLAB.

Hyacinth Benn.

A rapid-growing climber of easy cultivation, bearing a profusion of purple blossoms; the seed-pods are of a beautiful deep purple shade in the fall. Sow in the open ground in April. H. A. 10 ft. Pkt. 5 cts.

SPECIAL OFFER.

The 4 Choice Flowers shown on this Page for 30 cts.

EDELWEISS.

The true and famous Edelweiss of the Alps. The dowers are of downy texture, pure silver-white and star-shaped. Succeeds in almost any not too poor soil, with full exposure to the sun. H. P. Pkt. 10 cts.

ESCHSCHOLTZIA.

California Poppies. Beautiful and popular garden annuals of easy culture, blooming nice bushy plants, 1 foot high.


EVERLASTINGS. (See page 61).

FERN.

No prettier ornament can be imagined than a vase or assorted Ferns for the parlor, or what is handsomer in the conservatory than pots and hanging baskets of the various kinds? Or along the shady side of a house?


FORGET-ME-NOT.

Myosotis.

An old favorite. It flourishs best in a moist, shady situation and is in constant bloom nearly the whole seasons if given slight protection during winter. They commence blooming in April and continue to bloom until summer. They are not very particular as to soil, but should be grown where they have plenty of sun. The Maxima, Double Giant, red. 10 cts.; Snowball Daisy, Long stem and large double flowers. Pkt. 10 cts.; Longfellow, Dark pink flowers, usually large and double; very long and still flower spikes. Pkt. 10 cts.; All three, one packet each, for 25 cts.; Double Mixed. Pkt. 10 cts.

FOUR O'CLOCKS.

Marvel of Peru. They are exceedingly fragrant, expanding in the evening and wilting the next morning. H. A. 2 feet.

Fine Mixed. Pkt. 3 cts.

FUCHSIA.

Ladies' Eardrop. They bloom the first year from seed if sown reasonably early.


GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom during summer and autumn.

Mixed. Pkt. 10 cts.

GERANIUM.

Well-known popular plants for either pot culture in the winter or summer bedding. 12 to 18 inches high.

Pkt. 40 cts.

Zonale Varieties. Saved from some of the finest collections and many choice and even rare varieties may be expected. Pkt. 10 cts.


GLOXINIA.

A magnificent class of house blooming, bulbous plants with handsome, bell-shaped flowers in a diversity of the richest colors. Our international mixture contains the finest English, French and German strains; produce most beautiful flowers.

Myosotis. The best strain in existence, embracing all colors, the largest flowers and the latest novelties. Pkt. 25 cts.

GODETIA.

Showy garden annuals of compact growth, about 1 foot high, bearing freely flowers 3 to 4 inches across of exquisite colors and shades that glisten in the sunlight like satin. H. A. 1 foot.

Mixed Pkt. 5 cts.
GOLDEN ROD.
Solidago Canadensis. By many looked on as the National Flower of America; flowers golden yellow, height 2 feet. H. P. Pkt. 5 cts.

GOURDS.
These are rapid growing climbers therefore desirable for many places where an immense amount of vine is wanted quickly. If you have an old tree, dead or nearly so, Gourds will cover it to perfection.

Towel Gourd, or Luffa. Many ladies prefer a dish cloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left. Pkt. 5 cts. Hercules Club. Pkt. 5 cts.

Nest Egg. Pkt. 5 cts.

Bottle-Shaped. Pkt. 5 cts.

Mock Orange. Pkt. 5 cts.

Apple-Shaped. Pkt. 5 cts.

All five varieties. 1 pkt each, for 15 cts.

Mixed. Oz. 40 cts.; pkt. 5 cts.

HELYDSARUM.
French Honeysuckle.
Handsome flowering plants, producing racemes of attractive seed-formed flowers. It bears some resemblance to the Scarlet Clover, but it is a much bolder and handsomer flower. H. B. H. P. Coroarium. Red. Pkt. 5 cts.

HELIOLOPE.
Heliotropes can be grown as readily from seed as Pansies or Verbenas. Sow in open ground in May, and the plants will bloom in August. H. P. Finest Mixed. Many varieties and colors. Pkt. 5 cts.

HOLLYHOCK.
The Hollyhock, in its present state of perfection, is very unlike its parent of olden time; it now ranks with the Dahlia, Aster, &c. The seed we offer of this handsome flower has been saved from the best selections of Europe. H. P. Wernich’s Superior Double Prize Hollyhocks.
The following per packet 10 cts. each.
Blush, Maroon.
Canary Yellow, Pink.
Crimson.
Deep Rose.
Salmon.
Lavender.
White.
Light Apricot.
White Violet Centre.

Per pkt. 10 cts.; three pkts, 25 cts.; six pkts., 40 cts.; 40 cts. per pkt., all twelve pkts., one of each 15 cts.

Extra Choice Double Mixed. From named varieties. Pkt. 5 cts.

Everblooming Allegheny Hollyhocks.
This new variety blooms the first year from seed, and the flowers are most decidedly different than those of the old type. They are much larger, 4 to 5 inches in diameter, double and semi-double, fringed and curled. The colors are shell pink, rose and ruby red, a shade or two deeper at the center, and exquisitely tinted toward the edge. Mixed. Pkt. 10 cts.

HUMULUS JAPONICUS.
Japanese Hops.
This splendid climber in foliage resembles the old-time Hop, but the foliage is more dense and exceedingly luxuriant, somewhat rough and hairy. A. 1st to 20 feet. Japonicus. Insect proof, withstands heat and drought and remains fresh until late in the fall. Pkt. 10 cts.

Variegatus. Like the preceding, except that the foliage is beautifully bicolored. Pkt. 10 cts.

HELIANTHUS, OR SUNFLOWER.
Remarkable for the stately growth, size and brilliancy of their flower heads, making a very good effect among shrubbery and flower beds. The single sorts are now considered indispensable for cutting. Sown on a sunny spot in April or May, flowers may be cut daily for months in June until cut down by frost. H. A. Nannus Polius Variegatus. The foliage variegated, green and white. Pkt. 10 cts. Stella. (New. Cut and Come Again Sunflower.) 3 to 4 feet. Flowering in August. Pkt. 5 cts. Macrophyllus Giganteus. A branching pyramidal-shaped plant; yellow flowers about 18 inches in diameter. 6 feet. Pkt. 5 cts.


Dwarf Double. (Miniature.) Flowers single bright orange, elegant in form, suitable for bouquets as they measure only about 2 inches across. 3 feet. Pkt. 3 cts.

Large Russian. Per pkt. 3 cts.

ICE PLANT.
Mesembrianthemum Crystallinum.
A singular looking plant with thick, dense leaves, which have the appearance of being covered with crystals of ice. Start early in pots, and transplant into light sandy soil in a warm situation. T. A. Pkt. 5 cts.

KENILWORTH IVY.
Linaria Cymbalaria.
One of the most beautiful of basket or vase plants is Kenilworth Ivy, and it can be grown from seeds by anyone as readily as a Morning Glory. Seeding plants are of rapid growth, come into bloom in a few weeks, and make long drooping sprays of exquisite foliage thickly set with lovely little flowers. The plant thrives in a cool, dense shade, and looks at home among the undergrowth or flowers in a border. It is an ideal plant for a bank of Roses or Gladiolus. For a north window, or a window which the sun does not reach this lovely basket plant is just suited. Pkt. 5 cts.

LARKSPUR.
A beautiful genus, the prevailing color of the flowers, blue. For planting in permanent places and masses in clumps in mixed borders they are particularly desirable.

Double Tall Annuals. Mixed. Pkt. 5 cts.


Perennial Varieties. Pkt. 5 cts.

Erinus Varieties. Mixed. Pkt. 5 cts.

LOBELIA.
Dwarf-growing ornamental climbing plants, with leaves and handsome flowers. T. P. Scandens. White. Pkt. 5 cts.

Erinus. Pkt. 5 cts.

LOBOSPERMUM.
Rapid-growing ornamental climbing plants, with leaves and handsome flowers. T. P. Scandens. White. Pkt. 5 cts.

COELENAEUM. Scarlet. Pkt. 5 cts.

LUPINUS.
Very desirable plants bearing long spikes of brilliant flowers.


Tall Annuals. Mixed. Pkt. 5 cts.
MARIGOLD.
A well-known magnificent plant with handsome flowers of rich and beautiful colors and compact green foliage. H. H. A.

Codiz. The plants will bloom from the middle of summer until late in fall. Flowers rich golden yellow marked with velvety brown. 15 inches. Pkt...5 cts.

Double French, Mixed. Yellow, brown and crimson, beautifully striped. 1-1/2 Pkt...3 cts.

Double African, Mixed. Effective for groups and masses. Yellow and orange shades. 2 feet. Pkt...3 cts.

MATRICARIA.
(Deadly White Feverfew.)
Alba Plenissima. Bushy annual garden plant, bearing quantities of white button-like flowers, useful for cutting. 2 feet. Pkt...5 cts.

MAURANDIA.
Beautiful, rapid climber, blooming profusely until late in the autumn, also fine for the conservatory or greenhouse. 10 feet high. T. P. C.

Mixed, Choiceest Kinds. Pkt...5 cts.

MIGNONETTE. (See Reseda. Page —)

MIMOSA.
Pudica. (Sensitive Plant.) A very interesting and curious plant, its leaves closing if touched. 12 inches. 10 Pkt...5 cts.

MIMULUS.
Monkey Flower. Showy, profuse flowering plants, fine for greenhouse or moist, shady situations. Seed is very small and should be covered very shallow. Pkt...5 cts.

Muscatus. (Musk Plant.) Fine for hanging baskets, etc.; the thin, delicate leaves emit a pleasant musk odor. T. P. C.

MOMORDICA.
Curious climbers, with ornamental foliage and odd-shaped fruit, which, when ripe, open, showing a brilliant red inside. May be grown on trellises, arbors, or stumps of trees, they are invaluable.

Brazilian Morning Glory. (Setosa). Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters from June to frost. Leaves 8 to 12 inches across. T. P. 10 to 20 feet. Pkt...10 cts.

Evening Glory. (Ronni Hoxy). Violet, large fragrant flowers, expanding in the evening. T. A. 15 feet. Pkt...5 cts.

Moon Flower. (Grandiflora Alba). It bears in greatest profusion its lovely immense white flowers, five to six inches in diameter, with a five-petaled star in the center; the flowers open at dusk, or earlier on cloudy days, at which time they are deliciously fragrant. T. A. 15 feet. Pkt...10 cts.

Northern Light. Flowers in diameter, of pink lavender color, blooming earlier than any of the Ipomeas that open in the evening. The foliage is large and handsome and remarkable for its drought resisting qualities, remaining green and fresh when others are yellow and withered from lack of moisture. It is a rampant grower of germination, exceeding any Ipomea grown. T. A. 15 feet. Pkt...10 cts.

The above four named Moon Flowers...25 cts.

MORNING GLORIES.
Campanulias Major.
The old-fashioned Morning Glory is easy to grow and will reach a height of 20 feet in one season. Should be sown early and where intended to bloom.

H. H. A.

Fine Mixed. Per oz.; 10 cts.; pkt...3 cts.

MORNING GLORIES.
(Grandiflora Alba.)
One Pkg. each, in 10 separate and distinct colors, 10 Pkgs. in all for...25 cts.

Wildflowers Minor.
These grow about one foot high only. They are useful plants in the garden and for hanging baskets. H. H. A.

Fine Mixed. Per oz.; 10 cts.; pkt...3 cts.

WERNICH'S Imperial Japanese Morning Glory.
Gigantic Flowers 4 to 5 inches across.
Luxuriant Grower.
Climbs 20 to 30 feet.

Magnificent Color.

Imperial Japanese Morning Glories.
Soak the seeds in lukewarm water for 24 hours before sowing, to aid in germination, or draw a sharp knife across one edge of the seed.

No one who has not looked upon the flowers of the Japanese Morning Glories, has any conception of the enormous flowers—from four to six inches across—and their beautiful colors, running from snowy white through all possible shades of blue, and red, from pale pink to deepest reds and purple. They are streaked, mottled, striped, and blotched in wonderful fashion. The leaves are large, some ivy-shaped, some heart-shaped, some are dark green, others are mottled.

Sow in May. They do not start as quickly as the common Morning Glory, but will reach a height of 20 feet during the summer. Per oz.; 15 cts.; pkt...5 cts.

NICOTIANA.

(Love in a Mist or Devil in the Bush.)
A compact, free-flowering plant, with finely cut foliage, curious looking flowers and seed pods; of easy culture in any garden soil. H. A. 1 foot.

Damasceen. Pkt. ............................5 cts.

OXALIS.
Small free-flowering plants, with brightly colored clover-like leaves, thickly starred with small bright flowers from June until frost. Sown thinly in drills it makes a fine edging or border for flower-beds. The seed being small, it should be lightly covered and may be sown quite early when trees are starting out in leaf. T. P. Mixed. Pkt...5 cts.

PAEONY.
Beautiful hardy plants. Large, handsome flowers. H. P.


PASSION FLOWER.
A well-known climber of rapid growth, with singular large flowers, well adapted to house culture in winter or in sunny positions in summer. H. H. A. 10 feet. Mixed. Pkt...10 cts.

PERILLA NANKINENSIS.
Ornamental foliage plants of compact habit; similar to Coleus, with leaves of a black mulberry color; showy garden annual. H. H. A. 1½ feet. Pkt...5 cts.
NASTURTIUM.

TALL OR CLIMBING VARIETIES.

Nothing can equal the tall varieties as cover for fences, verandas, or unsightly outhouses. They flower profusely, giving an immense blaze of color, which greatly tends to heigthen the appearance of the garden. H. A.

Price of any of the following named varieties: pkt. 3 cts., oz. 10 cts.; ½ lb. 35 cts. (except where noted).

Atropurpureum. Flowers of a rich brownish red or velvety crimson.

Crimson. Deep velvety red, brown and brownish crimson.

Edvard Otto. Flowers of a most distinct cinnamon or chocolate-brown, with rich yellow calyx and spur.

Hemisphericum. Rich lemon yellow, with throat blotches of deep crimson.

King Theodore. Flowers almost black, foliage blush-green.

Lateum. Large flowers of a clear, deep orange yellow.

Orange. Deep orange stained with cinnamon brown in throat and brightly marked with crimson blotches.

Pearl. Flowers of a soft primrose or pale lemon yellow, self-colored and of delicate satiny texture. This is the nearest approach to creamy white. ½ lb., 45 cts.

Regelianum. Flowers of good size and very rich coloring, deep brownish red, shaded with purplish violet, which is most subdued light. ¼ lb., 45 cts.

Scheuerianum. Pale yellow or light straw colored, brightly marked with crimson blotches and shading.

Vesuvian. Brilliant fiery rose, very effective, new and beautiful, full.

Von Moltke. Beautiful rose.

Special Offer of Tall Nasturtiums.

“Tall Collection.” No. 1. All 12 varieties 1 pkt. each, 25c, net without discount.

DWARF OR BEDDING VARIETIES.

The improved varieties of the Dwarf Nasturtium are among the most popular and beautiful of our garden plants. Their neat, compact growth, rich colored flowers and free-blooming and long-lasting qualities, together with their adaptability to almost any soil or situation, have made them general garden favorites.

Price of any of the following named varieties, pkt., 3 cts.; oz., 10 cts.; ½ lb. 35 cts. (except where noted).

Aurora. Flowers of a rich, bright chrome-yellow, distinctly veined with purplish carmine.

Beauty. Glowing orange with suffused flaming scarlet markings.

Chameleon. Possesses the peculiarity of producing variously colored flowers on the same plant. The neat, compact bushes form exceedingly fine edgings and are unrivaled for general garden decoration. Oz., 10 cts.; ½ lb., 35 cts.


Empress of India. Dwarf, compact growth, with large purplish-green leaves. Flowers of a dark, rich salmon-scarlet.

King Theodore. Dark foliage and flowers of a rich velvety crimson.

Special Offer of Dwarf Nasturtiums.

“Dwarf Collection.” No. 1. All 12 varieties, 1 pkt. each, 25 cts., net without discount.


Pearl. Clear lemon-yellow, fading to a faint primrose or straw tint.

Prince Henry. Flowers of pale straw-yellow heavily suffused with rose; one of the most distinct and charming.


Ruby King. Flowers of a bright ruby-red with a Salmon tint.

Spotted. Flowers of a rich glowing yellow, spotted and flaked with velvety brown or carmine. Oz., 15 cts.; ¼ lb., 45 cts.
GIANT PANSIES.

The blossoms are simply enormous, perfect in form and run through all the varieties of colors.

**GIANT ADONIS.** A magnificent light blue with a white point or edge. Pkt. 5c; oz. 10c; pkt. 10c.

**GIANT AZURE BLUE.** Velvety dark blue, beautiful. Pkt. 5c; oz. 10c; pkt. 10c.

**GIANT KING OF THE BLACKS.** Lustrous jet-black Pkt. 10c

**GIANT FIRE KING.** Crimson-purple and golden-yellow. Pkt. 10c

**GIANT SNOWQUEEN.** (Snowflake.) Spotless, snow white. Pkt. 10c

**GIANT STRIPED.** Unique. Pkt. 10c

**GIANT TRIMARQUETTE, MIXED.** A splendid mixture of the above names and many others. Pkt. 10c

**Special Offer.** Any 4 Packs, Giants for 30c. All 8 Packs, (one of each) Giants for 50c. No discount.

The Largest and Finest

**WERNICH'S 'ELITE' MIXTURE.** Nothing to Equal Them

While the “Giant” Pansies are great favorites on account of size, WERNICH'S “ELITE” PANSIES excel them in size as well as colorings. This grand strain of Growers in Europe, a grower who in competition with Exhibitions, has been awarded the highest prizes for richness of color. Flowers are large and colors or richness of color. Flowers are large and colors

PETUNIA.

Invaluable for planting out in beds or mixed borders.

**NEW STAR.** Last year’s novelty. A free grower and branches freely. Plant attains a height of 18 inches by 24 inches in diameter. The flower is about 2 1/2 inches in diameter. Ground color is crimson maroon, with a rich velvety texture. Showing through the ground color are violet veins. From the center the points of the five-rayed star begin broadening half way up and narrowing to a point at the margin of the flower. Color of star a light blush pink. Pkt. 24c; oz. 50c; pkt. 10c.

**FINE MIXED.** Splendid varieties. Pkt. 50c.

**HYBRIDA GRANDIFLORA.** Finest striped and blotched varieties. Large flowering. Pkt. 25c

**FRINGED HYBRIDA, MIXED.** Large flowers of various shades, colors and markings, beautifully fringed. Pkt. 12c

**WERNICH'S DOUBLE GIANT PETUNIA.** This splendid strain of flowers as large as Hollyhocks; is as double as double can be, with finely fringed edges and wrinkled petals. The combination of colors is intensifying, varying in all shades and markings. Pkt. 25c

**PHLOX DRUMMONDI GRANDIFLORA.**

For beds and masses, nothing can surpass these beautiful annuals. They produce immense masses of large brilliant flowers of numberless hues throughout the summer. 1 1/2 feet high. Our large-flowering Phlox is an improved strain with extra large perfectly round flowers, with petals overlapping each other.

**Alba.** White. Pkt.

**Brilliant.** (New.) Rose with dark red eye. Pkt. 5c

**Atropurpurea Alba Oculata.** Purple with white eye. Pkt. 5c

**Coelebina.** Brilliant scarlet, rich and bright. Pkt. 5c

**Coelebina Striata.** Fiery red, white striped. Pkt. 5c

**Vermilion Scarlet.** (New.) Fine color. Pkt. 5c

Any 4 of above, 15c; all 7 Phloxes, 1 pkt. each. 25c

**Large Flowering.** Mixed Oz. 30c; pkt. 5c

**Phlox Cupidata.** (Star of Quellinburg) Flowers are of regular star-like form. Plant of compact habit, about 12 inches high, bearing large umbels of flowers. Colors varied and beautiful, including white rose, salmon, scarlet, etc. Mixed. Pkt. 5c
Poppies.

Very attractive in large beds, clumps and mixed borders. The seed should be sown where it is to remain.

Single Annuals.

Danerosa. Scarlet with a white cross in the center, resembling a Danish Flag. Pkt. 5 cts.

Paeonia. Large brilliant scarlet and crimson flowers, with a black zone near the center, making a strong and beautiful contrast. Pkt. 3 cts.

Shirley. Many of the flowers are veined, streaked and banded from the center towards the edges, while others are red, edged with white. Mixed colors. Pkt. 5 cts.

Tulip Poppy. A magnificent strain of Poppies, flowers of the most intense scarlet. Pkt. 10 cts.


Double Annuals.

Paeony Flowered, Mixed. Immense double, smooth-edged, broad petal flowers, resembling Paeonies. Height about 2 feet. Pkt. 5 cts.

Carnation-flowered. Mixed. Magnificent garden annuals. 3 to 2 1/2 feet high; large globular flowers often a foot in circumference, of the greatest variety of colors. Pkt. 5 cts.

Hardy Perennials.

Iceland Mixed. Although hardy perennials, these Poppies bloom the first season from spring-sown seed. The flowers are produced in never-failing succession from the beginning of June to October. Pkt. 10 cts.

New Orientale Hybrids. Containing charming new colors, pink, blotted purple, blood-red blotched black, glowing scarlet, reddish orange, salmon, etc. Pkt. 10 cts.

All 8 Pkgs. 30 cts.

Portulaca.

Popular hardy annuals, producing flowers of almost every hue in profusion, succeed best in sunny places, and will hardly ever suffer for the want of moisture.

Single Mixed. Pkt. 5 cts.

Double Mixed. Pkt. 10 cts.

Primula.

Chinese Primroses are lovely and useful little plants for pot culture, that bloom most freely during winter and spring.


Pyrethrum.

Old favorite herbaceous plants, very much in use for borders. The Golden Feather is a valuable yellow leaved variety much used for carpet beds.

Parthenifolium Aureum (Golden Feather). Bright golden-yellow. Pkt. 10 cts.

Roseum (Persian insect proof plant). Rose colored. Pkt. 10 cts.

RESEDA-MIGNONETTE.

The hardest annual in cultivation and a universal favorite for its sweet and delicate fragrance. The varieties named below are valuable improvements. H. A.

Reseda Odorata. The common sweet Mignonette. Oz. 15 cts. Pkt. 3 cts.

Maciet. The flower spikes are very broad and long, and the red flowers exceedingly fragrant. The best variety for pot culture and bedding. Oz. 75 cts. Pkt. 10 cts.


Ricinus or Castor Oil Bean.

They are splendid for subtropical effects, either planted singly on the lawn or in the center of a Chionodoxa or Caladium bed, 6 to 15 ft. H. A.

Borboriensis Arborescens. Beautiful leaves of immense size, 1 to 1 1/2 ft. high, in pyramidal form; its enormous flower spikes exceed the largest size, the individual blooms of an intense red color and are very sweet-scented. One of the best for cut flowers and pots. 14 oz. 25 cts. Pkt. 10 cts.


ROSES.

Polyantha Multiflora. (Little Midgets). Pretty little dwarf Roses, which commence blooming in about six weeks after the seed is sown. The flowers are semi-double, of various tints, and produced in large clusters freely until the frost comes. Although blooming freely the first season, they do not attain their best until the second year, when they are a perfect mass of bloom. H. P. Pkt. 10 cts.
WERNICH'S

Sweet Peas.

30 GRAND NAMED SORTS.

A Few Rules for the Successful Cultivation of Sweet Peas.

The plants should not be raised for two successive seasons on the same ground. Neither should they be planted in good condition after taking the last crop, will be better for manuring the previous Fall rather than at the Spring Seeding.

The use of artificial fertilizers, bone meal, nitrate of soda, etc., can be made in Spring at the time of planting or soon after.

Thin sowing, by which is meant planting the seeds from four to six inches apart, is conducive to vigor and strength of the plants which come later into bloom, but continue much longer than the plants from thick seeding.

Frequent stirring of the soil with hoe or cultivator in dry weather, thus producing a dust mulch, is preferable to artificial watering, unless irrigating facilities afford opportunities for a regular and abundant supply of water.

Do not allow any flowers to go to seed else the plants will stop blooming.

Shades of White.
Blanche Burpee. Pure white, extra-large size, good substance.
Emily Henderson. Pure white flowers, extra large on long, stiff stems.

Shades of Heliotrope.
Emily Eckford. Reddish mauve, fading to light blue, large, lightly Tenant. Deep rose heliotrope, becoming darker with age.

Shades of Yellow.
Coquette. Wings primrose yellow, standard shaded pale lavender on a primrose ground.
Mrs. Eckford. Primrose yellow, large flower.

Shades of Pink.
Blushing Beauty. Very fine, delicate shade of pink.
Lovely. Warmer, rosy pink, large and fine.
Mrs. Gladstone. Delicate soft rosy pink, blush wings.

Shades of Rose.
Adonis. Rose and carmine, small flowers.
Novelty. Rich rosy red, a very bright color.

Shades of Scarlett.
Firefly. Intense glowing scarlet, fiery scarlet wings.
Invincible Scarlett. Bright scarlet, very fine.

Shades of Blue.
Captain of the Blues. Standards, purplish blue; wings deep blue.

Carmine Blue. Dark blue, the best of blues. Pkt. 5c; oz. 15c; ½ lb. 40c; 1 lb., $1.00.

Prices (except where noted), per pkg., 5c; oz. 10c; ½ lb. 20c; 1 lb., 50c; postpaid.

MIXTURES OF SWEET PEAS.

Wernich's Bouquet Mixture. This is the finest mixture ever offered, containing not only all of the above named varieties, but also many others. This seed is not grown in mixture but is carefully mixed by hand, with consideration to produce tone and effect. Bouquet mixture has won unstinted praise of our customers. Pkt. 5c; oz. 10c; ½ lb. 30c; 1 lb., $1.00; postpaid.

Wernich's Fine Mixed. A good mixture containing nearly all of the above and many others. Pkt. 3c; oz. 7c; ½ lb. 15c; 1 lb. 50c; postpaid.

SPECIAL OFFER.
No. 1. Any 2 pkts., 10c; any 10 pkts., 30c; all 30 pkts., 75c; postpaid.
No. 2. Any 3 ozs., 25c; any 10 ozs., 65c; all 30 ozs., $1.75; postpaid.
STOCKS.

These popular flowers are easily grown, and are so highly fragrant and of such great beauty that they deserve a place in every garden. H. A.

LARGE FLOWERING DOUBLE TEN WEEKS.

Carmine. Light Blue.

Any of the above pkts., 10 cents; any three pkts., 25 cents; all six pkts., 45 cents.

Large Flowering, Ten Weeks, Mixed.
Pkt. .......................................................................................... 10 cents.

Dwarf German, Ten Weeks, Mixed.
Pkt. .......................................................................................... 5 cents.

GIANT PERFECTION STOCK. Mixed. This sort produces plants 2½ feet high with long flower spikes, handsome double flowers. Pkt. 10 cents.

CUT AND COME AGAIN OR PERPETUAL-FLOWERING STOCK.

About 2 feet high; producing from spring to late in the fall beautifully shaped double flowers, which encircle numbers of side branches, and the oftener they are cut the better they seem to like it.

Mixed Colors. Pkt. 10 cents.

SWEET WILLIAM.

(Chorisand图纸Bartabatus.)

One of the most admired of our garden flowers. Hardy plants, about 1 foot high, with attractive flowers of many colors, and variety of color, and also deliciously sweet-scented; for clumps or borders this plant can surpass this old favorite. H. B.

Single Mixed. Ounce, 40 cents; pkt., 5 cents;

Double Mixed. Ounce, 60 cents; pkt., 10 cents.

VERBENA.

Nothing excels the Verbena for showy flower beds. Soon early, they bloom the same year, their large self-colored striped and variegated flowers covering the entire plant. H. P. 1 foot.

Fine Mixed. Pkt. 5 cents; Ounce, 10 cents;

Hybrid Cheddar mixed. Saved from the most beautiful named flowers. Pkt. 10 cents; oz., 30 cents.

New Fordhook Mammoth Verbena. They are of very large size, being frequently larger than a silver quarter. In fact, many are scarcely covered by a silver half. Pkt., 10 cents; oz., 3 for...

VINCIA, OR PERIWINKLE.

Handsome bushy plants, producing freely round, showy flowers, 1½ inches across, for either pot culture or sunny beds; tender perennial, but flowers the first season. T. P. 1½ feet.

Rosea Alba. White, with rose eye.
Pkt. 5 cents; oz., 15 cents;

Rosita. Bright Purple.
Pkt. 5 cents; oz., 15 cents;

Mixed. Pkt. 5 cents; oz., 15 cents.

ZINNIAS.

One of the most brilliant annuals; a general favorite. Its splendid double flowers rivaling in beauty, size and form, moderate sized Dahlias. H. A.

LARGE FLOWERING DWARF DOUBLE, MIXED.

Useful for beds or borders. Height, 1½ feet. Ounce, 40 cents; pkt. 10 cents.

New Giant Mixed. Flowers perfectly double, measuring 5 to 6 inches in diameter, colors brilliant. Height, 3 feet. Pkt., 10 cents; oz., 30 cents.

Hanginga (Mexican Zinnia). Grows erect in bush form to a height of 12 inches. Flowers of a bright golden yellow 2 inches in diameter. ½ oz., 20 cents; pkt. 5 cents.

Tall Annuals Mixed. Ounce, 30 cents; pkt. 5 cents.

Dwarf Annuals Mixed. Ounce, 40 cents; pkt. 5 cents.
EVERLASTING FLOWERS.

The Everlasting or "Straw Flowers" are most valuable for winter decorations. Plants grow readily from seed sown in open ground and when the seeds are starting out in leaf. When well seated these should be thinned to stand several inches apart in the row, and should be kept cultivated to produce the finest and largest number of flowers. Flowers should be cut while freshly opened, tied in small bunches and dried slowly in a cool shady place, with the flowers downward to keep the stems straight.


Helichrysum, These are the finest of all Everlastings. They resemble a freshly opened Aster in form and flower in many bright colors. H. A. Per oz., 40 cts.; pkt. 5 cts.


Shortia. A native of California. Handsome yellow flowers in profusion during fall, and is also admirable for the dried everlasting flowers. The feathery sprays of many varieties are also desirable for forming frosting of fresh flowers during summer; while others are used in making fancy baskets, etc. These grasses are all hardy.

Agrostis Nebulosa. Small growth with slender leaves and silvery flowers, branching freely, forming only ten inches in height. H. A. 1 foot. Per oz., 60 cts.; pkt. 5c.

Andropogon Argenteus (White Oat). A strong-growing, grass-like plant, with silvery-white hair. H. P. 3 feet. Per oz., 60 cts.; pkt. 5 cts.


Briza Maxima (Quaking Grass). Grows to a height of ten feet, with silvery-white hair. H. A. 2 feet. Per oz., 25 cts.; pkt. 5 cts.

Cocksfoot (Bob's Tears). Thick fleshy stems eighteen inches in height, with lance-shaped green leaves bearing clusters of hard seeds about the size of gravel pebbles, from which the plant takes its name, being of peculiar pointed form. H. A. 1½ feet. Per oz., 30 cts.; pkt. 5 cts.

Lagurus Ovatus (Hare's Tail Grass). An annual, variety having soft, white, silky spikes of flowers with protruding awns. H. A. 2 feet. Per oz., 30 cts.; pkt. 5 cts.

Stipa Pennata. (Feather Grass). Has very graceful plumes. H. P. Per oz., 60 cts.; pkt. 5 cts.

SPECIAL MIXTURES OF FLOWER SEEDS.

Much pleasure is derived from watching the growth of a mixed bed of flowers. The mixtures are made from choice fresh seeds and cannot fail to give satisfaction. The packages are liberal in size, and in no other way can so many seeds be obtained for so little money.

Flowers for Bouquets. This mixture contains seeds of producing flowers suitable for cutting, and bouquets, nearly all having long stems, and will furnish a constant supply of cut flowers throughout the entire season. Packet.

Wild Flower Garden. Full of daily surprises and is one which each such a garden cannot fail to make use of possibilities. Nothing in the way of flowers delights children more than the "Wild Garden." They will be allowed to pick their own bouquets without stint. Pkt........ 10 cts.

Mixture of Climbers. A packet of seeds containing annuals and perennials well adapted for covering outhouses, trellises, etc. Pkt........ 10 cts.


Mixed Ornamental Grasses. Very pretty for making winter bouquets, and cut while fresh and green and hung in a dry and airy place in the shade to dry. Pkt........ 10 cts.

Ornamental Grasses are not only of most graceful growth and flower during the summer and fall, but if sprays are cut off when freshly opened (before seed forms) and dried slowly in a cool place, they will lend a softer, silvery-gray character to be used as everlasting flowers. The feathery sprays of many varieties are also desirable for blending with bouquets of fresh flowers during summer; while others are used in making fancy baskets, etc. These grasses are all hardy.

Agrostis Nebulosa. Small growth with slender leaves and silvery flowers, branching freely, forming only ten inches in height. H. A. 1 foot. Per oz., 60 cts.; pkt. 5c.

Avena Sterilis (Oat). A strong-growing grass-like plant, with silvery-white hair. H. P. 3 feet. Per oz., 60 cts.; pkt. 5 cts.

Briza Maxima (Quaking Grass). Grows to a height of ten feet, with silvery-white hair. H. A. 2 feet. Per oz., 25 cts.; pkt. 5 cts.

Cocksfoot (Bob's Tears). Thick fleshy stems eighteen inches in height, with lance-shaped green leaves bearing clusters of hard seeds about the size of gravel pebbles, from which the plant takes its name, being of peculiar pointed form. H. A. 1½ feet. Per oz., 30 cts.; pkt. 5 cts.

Lagurus Ovatus (Hare's Tail Grass). An annual, variety having soft, white, silky spikes of flowers with protruding awns. H. A. 2 feet. Per oz., 30 cts.; pkt. 5 cts.

Stipa Pennata. (Feather Grass). Has very graceful plumes. H. P. Per oz., 60 cts.; pkt. 5 cts.


Shortia. A native of California. Handsome yellow flowers in profusion during fall, and is also admirable for the dried everlasting flowers. The feathery sprays of many varieties are also desirable for forming frosting of fresh flowers during summer; while others are used in making fancy baskets, etc. These grasses are all hardy.

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SELECT DAHLIA ROOTS.

20th Century, Photographed in August.

To those who are especially interested in these most beautiful flowers we shall be pleased to mail a "Book on Dahlias," illustrated, containing a description and prices of over 300 Decorative, Fancy, Cactus, Show, Pompon, and Single Dahlias, on receipt of 4 cents to help pay postage.

TEN NEW TESTED NOVELTIES IN DAHLIAS.

TWENTIETH CENTURY.

Single. A beautiful creation in Dahlias. The flowers are very large, measuring 4 to 6 inches in diameter. Color, intense rosy crimson, with white tips and white disk around the yellow center. As the season advances, the dark-colored zone becomes lighter and the color contrast exquisitely lovely, and can be compared with no other flower than the beautiful orchid. Each, 30 cts.; per doz., $3.00, postpaid.


ALETA.

ADimiral Schley.

Fancy. A large flower, color a bright crimson with a broad white stripe through each petal. Each, 35 cts.; per doz., $3.50, postpaid.

Eloise.

Fancy. The ground color is a blush pink shading to white, each petal is margined with deep glowing crimson. Each, 25 cts.; per doz., $2.50, postpaid.

NOVELTY COLLECTION. The Above 10 Dahlias, One of Each, for $2.50. Postpaid.

ASSORTED DAHLIAS.

DECORATIVE DAHLIAS.

Admiral Dewey. Brilliant imperial purple.

Black Prince. Intense velvety maroon, almost black.

Bronze Beauty. Golden yellow, overlaid with bronze.

Clifford W. Bruntin. The best yellow.

Grand Duke Alexis. Pure white, tinged pink.

Henry Patrick. Pure white, large size.

John Ellich. Large, deep rich red.

Lemon Giant. Immense size, pure lemon color.

Maid of Kent. Cherry-red, tipped white.

Nymphe. Shrimp-pink, resembling pink water-ily.

Ohren. Rose-lavender, overlaid with silvery fawn.

Zulu. Jet-black, changing to maroon.

FANCY DAHLIAS.

Admiration. Small, red, tipped white.

American Flag. Pure white, striped crimson.

Ben Butler. Rich maroon, tipped pure white.

Chang. Salmon buff, striped crimson.

Eleganz. Rose purple, tipped and banded white.

Fern Leaf Beauty. White, striped deep crimson.

Frank Smith. Dark maroon, tipped a whistling-pink.

General Grant. Yellow, striped crimson.

Keystone. Pink, striped crimson, large.

Leiberheimer. Crimson, tipped white.

Silver Tip. Pure canary yellow, tipped white.

Uncertainty. Varies from white blush to crimson.

Strong Mailing Size Plants, Each 15c; Doz., $1.50, Postpaid.

Undivided Field-grown Plants, Each 20c; Doz., $2.00, Not Postpaid.
CACTUS DAHLIAS.

Bridesmaid. Pale primrose, shading to delicate rose.
Capstan. Soft brick-red, shaded apricot.
Chas. Woodbridge. Rich crimson-purple.
Harmony. Variegated, from old-gold to orange-red.
Kingfisher. Purplish-crimson.
Mrs. Chas. Turner. Immense size, canary yellow.
Mrs. Moore. Deep claret, shaded maroon.
Cycle. Bright rosy crimson.
St. Catharine. A deep yellow, shaded red.
Siglinda. Bright orange-yellow.

SHOW DAHLIAS.

Apple Blossom. Shades from white to red.
Armorers. Deep red, profuse bloomer.
Crimson Ball. Bright crimson purple.
Eclipse. Brilliant scarlet.
Emily. From white to rosy lavender.
Fanny Purchase. Pure yellow.
Hero. Deep crimson maroon.
James Stephens. Large orange scarlet.
Magnificent. Pure light yellow, edged red.
Miss May Lomas. Pure white, suffused lavender.
Mrs. Gladstone. Delicate shell pink.
Nero. Dark crimson-maroon.
Paul’s Scarlet. Brightest scarlet.
Purity. A beautiful new white.
Saturn. Dark crimson.

SINGLE DAHLIAS.

Alba. A very profuse white.
Cloth of Gold. A large, light yellow.
Dearest. Pure yellow, tipped and striped white.
Enchantment. Combination of red and yellow.
Fashion. Crimson maroon, flamed purple.
Issac Pitman. Fine large purple.
Jumbo. Pale yellow, penciled and striped red.
May Kamerly. White, tinged pink and striped.
Mrs. Bassett. Maroon, striped lilac.
Seratipetals. Bright red, petals cleft at tips.
Gold Standard. Pure deep yellow, large size.
Wildfire. Clearest scarlet, profuse bloomer.

PRICE OF ANY OF THE ABOVE.

Strong Mailing Size Plants, Each 15c; Doz., $1.50, Postpaid.
Undivided Field-grown Plants, Each, 20c; Doz., $2.00, Not Postpaid.

HYACINTHUS CANDICANS.

It can be used with excellent effect in the center of a bed of Scarlet Gladiolus, as it comes into bloom about the same time. Each, 10c; 3 for 25c; per dozen, 90c.

MADEIRA VINE ROOT.

The Madeira Vine is a popular and favorite tuberous-rooted climber of rapid growth, with dainty and beautiful foliage, twining at a great height. Strong tubers: Each, 6c; 3 for 15c; per dozen, 50c.

CINNAMON VINE ROOT.

The vines often run 25 feet or more, and when trained over and about a door or window make an ornament much admired. One large root or tuber, 10c; 3 for 20c; 12 for 65c.

CALADIUM ECUESTREUM.

“Elephant Ear.” This splendid foliage plant adds greatly to the beauty of the lawn or garden by its immense tropical-like foliage. Plants attain a height of from 4 to 6 feet. Large bulbs by mail, 35c; per dozen, $3.50; second size bulbs, by mail, 20c; per dozen $2.25.

GLADIOLI.

Plant in May and June in any good garden soil, 6 inches apart and 4 inches deep.

Pink Shades ........................................... $0.05 $0.40 $2.25
Striped and Variegated ................................ .05 .40 .25
Scarlet and Red Shades ................................ .05 .35 .18
Yellow Shades ......................................... .05 .35 .20
White and Light Shades .............................. .05 .30 .15
All Colors Mixed ...................................... .05 .30 .15

Special offer of the above 5 Shades, 1 dozen each, all separate, by mail, for $2.00.

TUBEROSES.

Plant in the open ground during May.

Excelsior Pearl Bulbs. First quality. Each, 5c; per doz., 40c; per 100, $2.50.

Single Bulbs and dozen lots delivered free at prices quoted. In lots of 100 by express at purchasers’ expense.

HARDY LILIES.

Plant in a well-drained good garden soil to a depth of 4 inches. In planting cover on all sides of the bulbs good clean sand and fill up with ordinary soil.

Auratum—Golden Banded Japan Lily. Large bulbs. Each, 15c; per dozen, $1.75.

Speciosum Album. White Japan Lily. Each, 25c; per dozen, $2.25.

Speciosum Roseum. Rose spotted Japan Lily; Each, 20c; per dozen, $1.70.

POMPON DAHLIAS.

Alewine. White, flushed pink.
Catherine. The best pure yellow, fine form.
Daybreak. Color of Daybreak Carnation.
Elfin. Pale primrose, changing to creamy white.
Fatty. True blooming, delicate primrose.
Guiding Star. Pure white, a great favorite.
Klein Damatia. Salmon buff profuse, fine.
Little Helen. Extremely profuse, white blush.
Little Beauty. Delicate shrimp, pink, quilled petals.
Prince Charming. White penciled, tipped pink.
Sunshine. Brilliant scarlet; good for cutting.
Tom. Pale primrose, quilled petals.

WERNICH SEED CO., MILWAUKEE, WIS.
MAILED, POSTPAID, DIRECT FROM GREENHOUSES.

IN CONNECTION with our mail trade in SEEDS and BULBS, we have made arrangements whereby we can also
MAIL a very choice selection of ROSES and FLOWERING PLANTS. It is our desire to make our service
to customers as complete and convenient as possible.

All plants sent out are as large as can be
safely packed and sent by mail. Notwithstanding
the large number of plants which we have forwarded in
the size of the plants. The instances have been rare
to your door.

Postage Paid At prices given we mail all plants
(except such as from the size or
otherwise are unmaillable, and so stated) and prepay
the postage, thus making delivery to your postoffice—
often to your door.

Plants mailed at any time.

Many customers order both seeds and plants at the same time, early in the
winter. Seeds are sent immediately, but if requested, we will book the
order just what date you want us to mail the plants—as otherwise we will consider you are ready for
them immediately, and will forward soon after seeds., weather permitting, in separate packages.

How to Order We would consider it a favor to have
 orders for plants written either on
the back of our order sheet or a separate
slip. When mixed up among seeds a delay is caused
in the execution of your order.

The WEATHER MUST BE UNFAVORABLE TO HOLD
THE ORDER UNTIL PLANTS CAN BE EXPECTED TO TRAVEL IN SAFETY FROM DANGER OF FREEZ-

Hybrid Perpetual Roses.

ALL AT TEN CENTS EACH, 6 for 50c.; dozen, $1.00. Postpaid.

All the Roses included under this class are thoroughly
any part of the United States. The Flowers are of large
to the darkest shade of crimson. Their blooming season
second year, but when thoroughly established they bloom very freely at the usual season. In the spring cut
back all the old stems. New ones will be sent up, and it
hardy; that is, they will live through winter in almost
size, and of the most beautiful colors from pure white
is in June and July. Some sorts do not bloom until the
months of September; but all, for the most part, carry
nearer the middle of October. When mixed up among seeds a delay is caused
in the execution of your order.

The WEATHER MUST BE UNFAVORABLE TO HOLD
THE ORDER UNTIL PLANTS CAN BE EXPECTED TO TRAVEL IN SAFETY FROM DANGER OF FREEZ-

5 NEW HYBRID PERPETUALS 50c.

Chlo. The finest flesh colored hybrid perpetual. The flowers are simply per-
fection in form, with fine, broad petals, and are beautiful at all stages of devel-
opment; color, delicate satin blush, with
a shading of rose pink at center. Free
blooming and strong, healthy grower.

Margaret Dickson. The flower is
of magnificent form, very double and
the color is a waxy white; petals are large
shell shaped and prettily curved back;
very beautiful.

Helen Keller. The plant is a vigorous
grower and produces brilliant rose
colored flowers in great abundance from
early spring until fall.

Mrs. R. G. Sherman Crawford. Color is a deep, rich pink, outer petals
fringed with pale flesh; flowers are large,
full, very fragrant and unique.

Marchioness of Lorne. Large,
cup-shaped; buds long and hand-
some in color; rich shading at color with vivid
carmine; hardly, fragrant.

Each 12c., 8 for 30c., 12 for $1.00.

Estimate.

Madam Chas. Wood. Bright
crimson with deeper shading.

Mme. Gabriel Luizet. Ex-
large, fine form, double
flower, a clear rose, shaded lav-
ernder and pearl.

Madam Plantier. Pure
white; a profuse bloomer. This
is a splendid cemetery rose; un-
likely the other varieties it should
never be pruned.

Magnificent. Dark pink;
double and full; easy to grow.

Maurice Bernard, A vig-
orous grower; large, full, fine,
vermillion flowers of fine form.

Mrs. Cleveland. Delicate,
waxy flesh pink; flowers very
large and perfectly shaped.

Mrs. John Laing. A truly
constant bloomer with immeas-
urable flowers, double, color, a clear
bright shining pink.

Paul Neyer. Deep rose
color; largest of all, perfect in
form.

Prince Camille De Rohan.
Velvety crimson, shading to dark
maroon.

Ulrich Branner. Cherry red
flowers, beautifully shaded buds.

Victor Verdier. Rose color,
crimson center; large and full.

Any One of the Above at 10
cents each; 6 for 50 cents;
Dozen, $1.00. Postpaid.
EVEN-BLOOMING TEA AND HYBRID ROSES.

ALL AT TEN CENTS EACH, 6 for 50c.; dozen, $1.00. Postpaid.

The Roses given under this class are mostly the result of crosses between the Teas and Hybrid Perpetuals. In this class will be found many varieties famous for their vigor, profuseness, brilliancy and exquisite fragrance of old fashion, combine the valuable characteristics of both the Teas and Hybrid Perpetuals; they bloom freely the first year like ordinary Ever-blooming Tea Roses, and from the Hybrids they inherit the large, finely formed flowers and pungent fragrance, together with vigor and hardiness. South of Philadelphia they are hardy; or where they will be benefited if given slight protection.

Varieties marked * are Hardy or nearly so, with protection or leaves or straw in winter.

AGrippina. Rich crimson; good bedder.

BON Silene. Noted for the great size and beauty of its buds. Carmine-floral; shaded with salmon.

Bride. Perfect globular, pointed buds of purest white.

Bridesmaid. A valuable forcing variety; does well in the open ground; color a fine clear pink.

Burbank. A hardy Tea Rose, free-flowering, and of a cherry crimson.

Caroline Marnissie. A continuous bloomer, pure white, slightly tinged with pink.

Catherine Mermet. Silvery pink, delicately shaded in center and at base amber and fawn.


Clothilde Superfine. Fine for out-door, and by many considered the very finest pot rose; color, a pearly white, with center of tinted salmon peach.

Etoile De Lyon. Deep yellow, double and very beautiful.

Hermosa. Bright rose, medium size; very hardy. It continues in bloom; not full; very popular.


Mme. Hoste. Yellow white, often canary yellow; base of petals often amber colored. Forcing variety.

Mme. Caroline Testout. Flower large, double and globular; clear satiny rose; very fragrant.


Any of the above at 10 cts. each, 6 for 50 cts.; Dozen, $1.00. Postpaid.

La France (Pink La France). The sweetest of all roses; perfumed, in a profusion of full, globular flowers; silvery rose, passing to pink; hardy and a constant bloomer. Eac each.

Duchess of Albany (Red La France). Like its famous parent, except in color, which is three or four shades darker; a wonderful deep rose-pink. Superb, fragrant flowers. Eac each.

Augustine Guinnesseau (White La France). Large, pearly, white, fragrant flowers. Eac each.

Madame Vlyssset (Striped La France). This lovely caprice will please all with its odd and novel combination of pink and white stripes. Grows and flowers as freely as La France. Eac each.

For 35 cts. we will send, postpaid, one good strong plant each of the Red, White, Pink, and Striped La France Roses offered above.

La France (Pink La France). The sweetest of all roses; perfumed, in a profusion of full, globular flowers; silvery rose, passing to pink; hardy and a constant bloomer. Eac each.

Four La France Roses for 35c.

Marie Guillot. White, faintly tinged yellow. Large, full and of splendid form.

Mrs. Degraw. Glossy pink, fragrant and continuous bloomer.

Meteor. Velvety crimson. The brightest and best of Hybrid Teas, without a purple tinge.

Mosella. (Yellow Soupelet).—Color, a beautiful light yellow, shaded to white at edge of petals; plant, dwarf, bushy and very free flowering in clusters.

Niphotos. An elegant white rose, buds of which sometimes are 3 inches long.

Papa Goutier. Very bright rose or red, large, not double; flower extra good; forcing variety.

Papa Soupelet. Pure white rose, about 1 inch in diameter. flowering in clusters of from 1 to 50 blooms.

Perle Des Jardins. Canary yellow. Very large, well formed, stiff stems; very free. The standard forcing Tea, by which all others are compared.

Pink Soupelet. This is a beautiful bright pink and contrasts finely with the other varieties; bud, free and produces double blossoms.

Princess Bonnie. Crimson, petals streaked white inside.

Saffron. Saffron and apricot; yellow, large semi-double, beautiful in bud; very free.

Souv. De La Malmaison. Flesh shaded fawn; large, very full, flat.

Souv. De President Carnot. Long bud of Niphotos shape; flesh color, shaded with rosy white at the edge of petals.

Sunset. A rich golden color, elegantly shaded with a dark ruddy crimson.

Any of the above at 10 cts. each; 5 for 50 cts.; Dozen, $1.00. Postpaid.

BEAUTIFUL MOSS ROSES.

The Moss Rose is a strong vigorous grower, perfectly hardy, and therefore justly esteemed as very desirable for outdoor culture in open ground. Most varieties bloom but once in the season, and usually not the first year, but the flowers and buds are very large and handsome. Moss Roses like rich ground.

This is a favorite class with everyone on account of the beautiful bulbs, which, when cut, show the cut flowers, are invaluable. They require close pruning and high culture, but amply repay careful attention by the increased size and beauty of the flowers. They are very hardy. The foliage is generally somewhat crumpled, and has mostly seven leaflets.

Blanche Moreau. This fine variety is highly recommended; flowers are produced in clusters and are large, full and sweet; the color is pure white; both flowers and buds have an abundance of lovely deep green moss.

Crimson Globe. A fine deep crimson, the flowers having the handsome globular shape characteristic of the H. P. varieties. Buds well mossed, very free flowering, vigorous and hardy.

Princess Adelaide. One of the best; extra-large flowers; very double and fragrant; buds beautifully mossed; color bright rosy pink. Each 15c; 3 for 50c; 6 for 90c.

NEW CLIMBING MOSS ROSE.

"Cumberland Belle."

The Only Climbing Variety in Existence.

This is the forerunner of a new race of climbing Moss Roses. It is of American origin, having been found growing in a private garden in the historic Cumberland Valley—a spot, from that pretty Moss shape sight of characteristic of the H. P. varieties. Buds well mossed, very free flowering, vigorous and hardy.
MEMORIAL ROSES.

Nothing more appropriate for use in Cemeteries. They are valuable for covering the ground, stumps of trees, pillars, posts, trellises, rocky slopes, gravelly embankments, etc. Absolutely hardy and survive the severest winters. The flowers are borne in the utmost profusion; a two or three-year-old plant producing thousands of most exquisite blossoms, which are delightfully fragrant and which hold their form a long time after cutting.


Evergreen Gem. Flowers double; color yellow when in bud; when open almost white; fragrant. Each, 15 cts.; 2 for 25 cts.; 12 for $1.00.


Wichuriana. The most desirable for Cemetery planting, banks, rookeries, etc. Flowers white and of good size. Each, 10 cts.; 3 for 25 cts.; 12 for 80 cts.

CLIMBING ROSES.

The following varieties are highly valued for training over arbors, trellises and verandas; also as screens for unsightly objects, such as old buildings, fences, walls, etc. They grow 10 to 12 feet high, and are entirely hardy. They bloom the second year and but once in the season, but are then loaded with splendid roses and are among the most beautiful of all flowers. The varieties described below are the best, and succeed well in all sections of the country.

5 Rambler Roses.

IN 5 DIFFERENT COLORS.

Carmine,

Crimson, White,

Pink, Yellow,

ALL 5 FOR 50c POSTPAID.

These roses should be in every garden. There is nothing in their class which will in any way compare with them. The Rambler Roses will grow from 8 to 10 feet in one season. The size of their beautiful fragrant flower heads is remarkable. The foliage is thick and heavy. Flowers when cut last two weeks in water. May be grown as pillar rose, trained on an arch, or over the surface of the ground.

Crimson Rambler. Crimson.

White Rambler. Pearl white.

Pink Rambler. Pink.

Yellow Rambler. Golden yellow.

Prices: Each, 15 cts.; 3 for 40 cts.; 1 of each for 50 cts.; postpaid.

Other Climbing Roses.

IN 7 DIFFERENT COLORS.

Dark Red, Pale Blush, Velvety Crimson, White Crimson, Bright Pink, Rosy Blush, Pure White.

ALL 7 FOR 45c POSTPAID.

Baltimore Bell. Pale blush, shading to rose.

Empress of China. This is a new and a valuable perpetual blooming climber. Flowers are small, delicate and rosy. Bud is dark red, changing to a pink.

Seven Sisters. Color varies from white to crimson.

Prairie Queen. Bright pink.

Russell’s Cottage. Velvety crimson.

Tennessee Bell. Rosy blush.

Mary Washington. Pure white.

All the above have double, sweet-scented flowers and will live through the winter outdoors. Price: Each, 12 cts.; 3 for 30 cts.; 6 for 50 cts.; dozen for 90 cts.; postpaid.

ROSE COLLECTIONS.

Roses for the Millions. You can have Loads of Roses.

The All Color Collection of Hybrid Perpetual Roses. Consists of three dark red, “Baron de Bonnette,” “John Keynes” and “Prince Camille de Rohan;” four red, “Alfred Colomb,” “Gen’l Jacquimino,” “Gen’l Washington” and “Ulrich Brunner;” four pink, “Anne de Diesbach,” “Madame Gabriel Luquet,” “Magnificent” and “Mrs. John Lang;” five white, “Galet des Blancs” and “Madame Plantier”—all the finest of their respective colors, fourteen in all, for only $1.15. Postpaid.


NO ORDERS FOR ROSES ACCEPTED AFTER JUNE 1st.
HARDY CLIMBING VINES

No Orders Accepted after April 10th.

Everyone who is the fortunate possessor of a few feet of ground should devote some space to the cultivation of the graceful and easy-growing climbers that thrive and flower everywhere.

AMPELOPSIS.

Veitchii. (Boston Ivy, Japanese Woodbine). Unexcelled for covering walls, as it clings firmly to the smoothest surface, clothing it with a mass of overlapping leaves that are deep green during summer, changing to bright shades of crimson and yellow in autumn. By mail, each, 12 cts.; 3 for 35 cts.; dozen, $1.00; postpaid. Large plants, each, 50 cts.; 3 for $1.25; dozen, $5.00, not prepaid.

CLEMATIS. THE QUEEN OF CLIMBING PLANTS.

There is no more ornamental class of plants than Clematis, and the rich show of bloom produced by the best varieties is far too magnificent to be fairly portrayed by mere words. They may be planted at any time. The ground should be dug deeply and well manured, in fact the soil cannot be too rich, and a little attention to this will amply repay you.

Madame Edouard André. Also of the Jackmanni type and is the nearest approach to a bright red that has yet appeared. The flowers are very large, usually six-petaled.

Baron-Veilard. Of recent introduction and quite like its parent, the popular Jackmanni, in habit and make-up, except that its flowers are a lively, satiny lavender pink.

Jackmanni. The flowers are large, intense, rich, velvety violet-purple, and are produced in such masses as to form a cloud of bloom.

Henryi. A vigorous grower and a free bloomer, producing its large, pure white flowers constantly during summer and early autumn.

Paniculata. A rapid grower. Small pure white flowers, borne in great masses (see cut in upper corner) of panicles or clusters on long stems, so profuse as to fairly cover the plant with a sheet of fleecy white. Its fragrance resembles that of Magnolia.

All of the above 1 year old plants each.

HONEYSUCKLE.

Some of our friends have conceived the idea of planting Honeysuckles along the division fences, and it's wonderful what pretty hedges they make. Iron or wire fences are the best, but almost any kind is soon covered with a mantle of living green, making a very pretty and cheap border for lawns, drives, parks, walks, cemeteries.

Hall's Japan. A strong growing, almost evergreen sort, with pure white flowers changing to yellow. Very fragrant and covered with flowers from July to November.

Monthly Fragrant. Red and yellow, very fragrant. Blooms all summer; leaves tinged with reddish color.

Scarlet Trumpet. Bright red trumpet-shaped flowers; bloom very freely the entire season.

Other climbing vines will answer the same purpose, but the sweet-scented Honeysuckles are both fragrant and beautiful. They should be planted two feet apart.

15 cts.; 3 for 35 cts.; dozen, $1.25 postpaid.

BIGNONIA.

(Trumpet Creeper.)

For covering unsightly places, stumps, rockwork, or planting in crevices in ledges, the Bignonia will be found very useful. The flowers are large, attractive and showy, and borne profusely when the plant attains a fair size. Flowers, dark red, with orange throat.

Each, 12 cts.; 3 for 35 cts.; dozen, $1.00, postpaid.

HARDY ENGLISH IVY.

A hardy, evergreen, climbing vine, with dark glossy green leaves. Useful for covering walls of churches, etc., and for cemetery work in covering graves, especially if in the shade where grass will not succeed very well.

Each, 12 cts.; 3 for 35 cts.; dozen, $1.00, postpaid.

PASSION FLOWER.

(Passiflora Incarnata.)

A strong growing, vigorous climber, making a fine covering for porches and verandas. Flowers 2 to 3 inches across, white, with light purple corona. In the North roots should be dug up and placed in the cellar until spring.

Each, 12 cts.; 3 for 35 cts.; dozen, $1.00, postpaid.

WISTARIA.

A vigorous, hardy and rapid grower, particularly valuable for training over buildings, second floor verandas and wherever tall growing climbers are wanted. The flowers are borne in long pendulous clusters, deliciously sweet and exceedingly handsome.

Chinese Purple. A lovely rich violet-purple.
Each, 12 cts.; 3 for 35 cts.; dozen, $1.00, postpaid.

Chinese White. A pure white flower.
Each, 15 cts.; 3 for 40 cts.; dozen, $1.25, postpaid.
HOUSE AND BEDDING PLANTS.

No Orders Accepted After the 1st of June.

ASPARAGUS PLUMOSA.
(Climbing Lace Fern)

A finer and more delicate plant than the Sprengeri, but hardy and easily grown; very satisfactory for window and house culture: an extremely grateful window climber, bright green feathery foliage, as fine as the finest silk or lace. The fronds retain their freshness for weeks when cut, and are greatly admired for floral decoration. An exceedingly beautiful plant for house and conservatory, and will thrive nicely in the temperature of an ordinary living-room. Entirely unequalled for the grace and beauty of its lovely, spray-like fronds.

Each, 15 cts.; 3 for 35 cts.; dozen, $1.25, postpaid.

ASPARAGUS SRENGERII.
(Emerald Feather Asparagus)

This is undoubtedly one of the handsomest and most valuable evergreen trailing plants for the house and conservatory ever introduced. It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green feathery foliage, which can be cut freely and are very useful for bouquets, wreaths, and all kinds of floral decorations. It makes a charming ornamental plant for the window or conservatory in winter, and is equally valuable for vases, baskets, porch-boxes in summer. It is a strong, vigorous plant, very easily grown, requires little care and keeps on growing, fresh and green, year after year.

Each, 15 cts.; 3 for 35 cts.; dozen, $1.00, postpaid.

COLEUS.

We offer a very fine variety of Coleus and they are delicate colors very hard to describe in the various tints.


Fire Brand. Dark crimson, shaded carmine; a fine bedder.

Verschaffeltii. This is one of the best for bedding, having a rich velvety crimson foliage.

Golden Crown. A deep golden yellow, splotted with bright green and very handsome foliage.

HELIOTROPE.

One of the finest class of plants for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants.

Dr. Livingston. Fine dark blue clusters.

White Lady. Large pure white flowers.


PETUNIA.

Plants of the easiest culture, producing flowers in great profusion. Excellent for bedding and pot culture. They are among the most desirable plants we have. Our collection embraces a number of beautiful colors.

Double Crimson.
Double Pink.
Double Maroon.
Double White.
Double Variegated.

Each, 10 cts.; 3 for 25 cts.; dozen, 90 cts., postpaid.

SALVIA.

Also known as flowering sage, growing about 2 to 2½ feet high and 2 feet through, producing through the entire season its brilliant spikes of flowers, which are borne well above the foliage.

Splendens. A brilliant scarlet.

Each, 10 cts.; 3 for 25 cts.; dozen, 90 cts., postpaid.

FUCHSIA.

No class of plants are more graceful and elegant than the Fuchsia. The striking contrast of their colors—white, carmine, rose and purple—renders them perfectly charming. Young plants will bloom profusely until October, but they must be planted in the coolest spot or in partial shade, as the sun will injure the flowers.

SINGLE.

Little Beauty. A perfect gem; marvelously free-flowering. Flowers 1½ inches long; bright red tube and sepals; corolla rich purple.

Rosalind. Tube and sepals white; corolla magenta-pink.

DOUBLE.

Giganten. The tube and sepals carmine; corolla a beautiful shade of bright magenta.

Mar. E. C. Hill. The most perfect double white Fuchsia yet introduced. Tube and sepals bright reddish crimson, contrasting with the large, pure white corolla, to great advantage.

Phenomenal. Sepals bright carmine; corolla violet-purple; flowers large.

Storm King. Sepals bright crimson-scarlet; corolla shaded same, but well balanced with a profusion of white.

Any of the above, each, 10 cts.; 3 for 25 cts.; dozen, 90 cts.; postpaid.

UMBRELLA PLANT.
(Cyperus Alternifolius)

This is a plant of the easiest culture and a large specimen is as handsome as a palm for decoration. It makes a handsome pot plant, or it can be used in baskets or vases, making a charming effect. It will grow luxuriantly in water, and is therefore indispensable for aquariums or fountains.

Each, 10 cts.; 3 for 25 cts.; dozen, 90 cts., postpaid.
CANNAS.

Cannas are very effective for bedding on the lawn, and equally good when grown as pot plants in the house or conservatory. They commence blooming soon after being planted out and flower profusely until stopped by frost. When well ripened by frost, the bulbs should be carefully dug and stored in a dry place in a temperature of 50 or 60 degrees. They multiply very rapidly, and can be kept for years by observing the directions given. They require a deep soil, enriched with well rotted manure, and should be watered freely.

Admiral Avellan. Scarlet, overlaid with salmon, 5 ft.

Allemannia. Salmon and golden yellow, large flowers, 6 to 7 ft.

Austria. Pure canary yellow, very large open flowers, 6 to 7 ft.

Beauté Poétique. A fine, free flowering crimson. 3 ft.

Burbank. Canary yellow with lower petals spotted crimson. 6 to 7 ft.

Captain Drujon. Fine deep red, dotted with golden yellow; a strong grower. 5 to 6 ft.

Chas. Henderson. Deep rich crimson, yellow at throat. 3 ft.

Duke of Marlborough. Velvety maroon, very dark. 3½ ft.

Florence Vaughan. Very bright, yellow flowers, dotted with scarlet. 4 ft.

Madame Crozy. Crimson scarlet, bordered with golden yellow. 3½ ft.

Philadelphia. Large crimson scarlet flowers; one of the best. 3 ft.

Queen Charlotte. Orange scarlet, deeply edged with canary yellow. 3¾ ft.

Rose Unigue. Beautiful rosy pink; a vigorous grower. 5 ft.


CARNATIONS.

Bon Ton. Bright, warm scarlet, large, deeply fringed, fragrant flowers on a stem as stiff as a reed.

Daybreak. Delicate salmon pink; vigorous grower. Should be grown cool to give best results.

Eldorado. Light, clear yellow, petals edged with a narrow band of light pink.

Evelina. A very fine white. Its strong points are its earliness, great freedom and continuity of bloom.

Each, 10 cts.; 3 for 25 cts.; dozen, 55 cts.; postpaid.

Four Color Collection of Carnations, Pink, Scarlet, White, Yellow, our selection of varieties, for 25 cts.; postpaid.

CARNATIONS.

Firefly. Deep scarlet, early, continuous bloomer; large, well formed flower, 2½ inches in diameter.

Flora Hill. The largest white variety to date, wonderfully free in bloom.

Gold Nugget. Clear, deep yellow, slightly marked with red.

Jubilee. Color intense scarlet, very large flower.

Triumph. A pure, rich pink; flowers often measure 3½ inches across.

Wm. Scott. Bright pink, one of the most productive large flowered pink Carnations.

Each, 10 cts.; 3 for 25 cts.; dozen, 55 cts.; postpaid.

Four Color Collection of Carnations, Pink, Scarlet, White, Yellow, our selection of varieties, for 25 cts.; postpaid.

CHRYSANThEMUMS.

Fisher's Torch. Bright, fiery red, the richest shade in Chrysanthemums; large, fine flower.

Ivory. Unexcelled for pot culture or cutting; pure white flowers of exquisite form and finish.

J. A. Lager. Reflexed, of great depth. Petals long and twisted, open at the end, of beautiful pure yellow.

Maude Finn. An immense pink variety; finely incurved; petals broad, shell-shaped. One of the largest.

Major Bonannn. Soft, clear yellow; full in the center, eight inches in diameter and nearly as deep. In perfect form and finish; habit dark.

Mme. F. Bergmann. The finest of all the early whites; very large and full, and of the purest white, with creamy center; a strong, sturdy habit; fine foliage.

Mrs. E. G. Hill. One of the earliest of all large flowering sorts. Flowers very large; color delicate pearl pink.

Mrs Henry Robinson. In the entire Chrysanthemum family there is no grander white variety.

Nivens. A grand, snow white variety; center irregularly incurving with outer petals reflexing nearly to the stem. Foliage large and abundant.

The Queen. One of the grandest of all whites, especially for exhibition.

Price: each 10 cts.; 3 for 25 cts.; 55 cts. per dozen, postpaid.

Four Color Collection of Chrysanthemums, Pink, White and Yellow, our selection of varieties, for 25 cts., postpaid.
HARDY SHRUBS AND PLANTS.

For Permanent Planting in Garden Borders, Cemetery Lots, Etc.

NO ORDERS ACCEPTED AFTER APRIL 15th.

ORNAMENTAL SHRUBS.

MAILING SIZE PLANTS.
Sent Postpaid Direct From Greenhouses.

DEUTZIA.
Small flowered shrubs noted for their freedom of bloom and rapid growth.
Crape, 2 to 6 feet. White, tinged with rose.
Graeulis, 2 to 3 feet. Pure white, very profuse.
Each, 12 cts.; 3 for 25 cts.; dozen, $1.00, postpaid.

ELEAGNUS LONGIPES.
In spring and summer its silvery leaves and bright yellow flowers are very attractive, while in winter its reddish brown bark is equally ornamental.
Each, 12 cts.; 3 for 25 cts.; dozen, $1.00, postpaid.

FORSYTHIA.
Fortunei. The first shrub to bloom in the spring, 6 to 8 feet, with graceful, drooping branch. The foliage is a deep glossy green; flowers, bright yellow.
Each, 12 cts.; 3 for 30 cts.; dozen, $1.00, postpaid.

HONEYSUCKLE.
Beautiful as it is when in bloom, yet if anything this is surpassed by the beauty of the berries which follow the flowers and remain on the plant all summer and fall.
"Red Tartarian. A popular shrub for the garden.
White Tartarian. Differs in color of flowers only.
Each, 12 cts.; 3 for 90 cts.; dozen, $1.00, postpaid.

HYDRANGEA.
(Paniculata Grandiflora.) Blooms from August until middle or last of October.
Each, 10 cts.; 3 for 25 cts.; dozen, 90 cts., postpaid.

SNOWBALL.
Steriles. (Common Snowball.) The old-fashioned shrub. Each, 12 cts.; 3 for 30 cts.; doz., $1.00, postpaid.
Plicatum. (Japan Snowball.) A new variety, very pretty.
Each, 15 cts.; 3 for $1.00, postpaid.

SPIREA.
Aurea. Golden yellow foliage, white flowers.
Billardi Rosen. Lovely rose colored flowers.
Prunifolia. (Bridal Wreath). Double, pure white.
Anthony Waterer. Bright crimson.
Blue Spirea. Rich lavender blue.
Each, 12 cts.; 3 for 35 cts.; dozen, $1.00, postpaid.

SYRINGEA.
Double White. A variety with partially double, very fragrant flowers.
Aurea. (Golden). Has golden yellow foliage.
Each, 12 cts.; 3 for 90 cts.; dozen, $1.00, postpaid.

WEIGELIA.
A strong vigorous growing shrub for single lawn specimen or for massing with other varieties.
Canfield. Light green foliage, snow white flowers.
Floribunda. Dark crimson flowers, freely produced.
Rosen. Large rose-colored flowers.
Variegate. Leaves green, with a broad, distinctly defined margin of white around each. Blush color.
Each, 12 cts.; 3 for 30 cts.; dozen, $1.00, postpaid.

FIELD-GROWN PLANTS.
At Purchaser's Expense Direct From Nursery.

Honeysuckle, pink or white. 2 or 3 ft. Each 55c.
Hydrangea Grandiflora. 2 to 3 ft. Each 50c.
Lilac, purple or white. 2 to 3 ft. Each 50c.
Snowball, Steriles. 2 to 3 ft. Each 50c.
Syringa or Mock Orange. Grandiflora, Etc. 50 cts.
Weigelia. 2 to 3 feet. Each 50 cts.

HERBACEOUS PLANTS.

MAILING SIZE PLANTS.
Sent Postpaid Direct From Greenhouses.

ACHILLEA.
The flowers are borne in the greatest profusion the entire summer on a strong, erect stem. Pure white.
Each, 10 cts.; 3 for 25 cts.; dozen, 90 cts., postpaid.

ANTHEMIS TINCTORIA.
One of the best yellow flowering perennials. A continuous bloomer, succeeding in the poorest soil.
Each, 10 cts.; 3 for 25 cts.; dozen, 90 cts., postpaid.

COREOPSIS LANCEOLATA.
 Begins to blossom in June. The blossoms are of graceful form; a rich golden yellow color.
Each, 10 cts.; 3 for 25 cts.; dozen, 90 cts., postpaid.

DICENTRA OR DIELYTRA.
(Bleeding Heart.)
If potted in November and left outside until it has formed new roots and then is brought into gentle heat, it will flower early in March; in the open ground in April and May.
Each, 15 cts.; 3 for 50 cts.; dozen, $1.25, postpaid.

HELIOPSIS PITCHERIANUS.
(Orange Sunflower.)
A perpetual bloomer, commencing to flower early in the season and continuing in bloom the entire season.
Grows to a height of 4 feet; flowers are golden yellow.
Each, 10 cts.; 3 for 25 cts.; dozen, 90 cts., postpaid.

IRIS.
A profuse bloomer that will thrive anywhere. July.
German. Broad leaved, grows about 2 feet high.
Each, 10c; 3 for 25c; dozen, 90c.

LILY OF THE VALLEY.
Flowers are pure white. Succeeds well in almost any situation.
Each, 5 cts.; 3 for 12 cts.; dozen, 35 cts., postpaid.

HARDY PERENNIAL PHLOX.
Will thrive anywhere. Easiest plant to grow.
August Riviere. Fine bright red.
Coccinea. Polka dot phlox.
Coquette. White with crimson eye.
Cross of Honor. White with band of rosy lilac.
Delaware. Reddish carmine with dark eye.
Edgar Quinet. Rosy Amaranth.
Isabey. Orange salmon; center, purplish crimson.
Louthar. Soft carmine pink, very eye.
Madame Bezzonan. A splendid deep crimson.
Pantheon. Fine deep salmon rose.
The Queen. Pure white.
Each, 15 cts.; 3 for 35 cts.; dozen, $1.25, postpaid.

YUCCA FILAMENTOSA.
A stately, tropical-looking plant; evergreen, the stem rising three or four feet high from the tuft of narrow, bayonet-like leaves; creamy-white bell-shaped flowers.
Each, 15 cts.; 3 for 35 cts.; dozen, $1.25, postpaid.

FIELD-GROWN PLANTS.
At Purchaser's Expense Direct From Nursery.

Bleeding Heart. (Dianthus). Each, 50 cts.
Iris. (Fleur de Lis). In colors. Each, 25 cts.
Perennials. Each, 50 cts.
ORNAMENTAL TREES.

Every tree on this page shipped at Purchaser's Expense, direct from Nursery.

TREES FOR STREET PLANTING.

American Linden or Basswood. A rapid growing large sized beautiful native tree, with broad leaves and fragrant flowers, suitable for either street or lawn planting. 6 to 8 feet, 95 cts. per doz., $6.00. 8 to 10 feet, $1.00 each; per doz., $10.00.

American Elm. This tree is noted for its graceful beauty and with its long slender branches sweeping to the ground is exceedingly graceful and attractive. 6 to 7 feet, 50 cts. each. 3 to 4 ft., $1.00 each.

Catalpa Speciosa. A valuable upright growing tree that is being planted extensively in the West and Northwest. It begins to blossom at 3 to 4 years and bears large clusters of white flowers, which, taken with its immense leaves, makes a beautiful ornamental tree. 7 to 8 feet, 50 cts. each; per doz., $5.00. 8 to 9 feet, 75 cts. each; per doz., $7.50. 9 to 10 feet, $1.00 each.

Horse Chestnut. (White Flowering). The common or European variety. A fine large tree of compact outline, dense foliage, profuse white flowers, tinged with red, borne in panicles in the spring. A most desirable tree for street or lawn planting. 5 to 6 feet, $1.25 each. 6 to 8 feet, $1.50 each.

Mountain Ash. A fine hardy tree. Head dense and regular; covered from July until winter with great clusters of bright scarlet berries. 8 to 10 feet, 50 cts. each. 8 9 feet, 85 cts. each. 10 to 12 feet, $1.00 each.

Oak-leaf Mountain Ash. Similar to the above, except the leaf is very much like a white oak leaf. 5 to 6 feet, 50 cts. each. 6 to 8 feet, 85 cts. each.

Purple-leaf Norway Maple. One of the most beautiful trees we know. Leaves in spring are brilliant purple, later changing to a dark rich green. Leaves on the new growth during the summer are bright purple, making the tree always beautiful. 5 to 6 feet, $1.00 each. 6 to 8 feet, $1.50 each.

TREES FOR LAWNs.

Becchtl's Double Flowering American Crab. (Pyrus augustifolia). A medium-sized, hardy, ornamental tree of great beauty. When in bloom, this tree presents the appearance of being covered with roses. Fragrant. 3 to 4 ft., $1.00 each.

EVERGREEN TREES.

Norway Spruce. A lofty, elegant tree of perfect pyramidal habit, remarkably elegant and rich; as it gets age, has fine, graceful and pendulous branches. 12 to 18 inches, 20 cts. each; $2.00 per doz.; $15.00 per 100. 18 to 24 inches, 25 cts. each; $2.50 per doz.; $20.00 per 100. 2 to 3 feet, 35 cts. each; $3.50 per doz.; $25.00 per 100. 3 to 4 feet, 50 cts. each; $5.00 per doz.; $40.00 per 100.

Balsam Fir. A very erect, regular, pyramidal tree, with dark green foliage; grows very rapidly and is very hardy. 15 to 20 inches, 25 cts. each. 2 to 3 feet, 40 cts. each. 3 to 4 feet, 60 cts. each.

Scotch Pine. A very noble and rapid grower; tree has strong, erect shoots and glossy green foliage. 2 to 3 feet, 45 cts. each. 3 to 4 feet, 60 cts. each.

Austrian Pine. Tree of very large growth, with long, stiff leaves and dark green foliage. 2 to 3 feet, 45 cts. each. 3 to 4 feet, 60 cts. each.

Mountain Pine. This is a dwarf tree or bush. Foliage dense and of a rich dark green, very valuable for ornamental purposes. 18 to 20 inches, 60 cts. each.

Arbor Vitae. (American). The finest evergreen for hedges. Grows rapidly and dense. It is not adapted to turn stock, but forms a most desirable and ornamental screen to divide the lawn from other parts of the grounds. 18 to 24 inches, 15 cts. each; $1.50 per doz.; $10.00 per 100. 18 to 24 inches, 20 cts. each; $2.15 per doz.; $15.00 per 100.

WEEPING TREES.

Birch. Cut-leaved. Beyond question one of the most elegant of all weeping or pendulous trees. Its tall, slender, yet vigorous growth, graceful, drooping habit, silvery white bark and delicately cut foliage, presnt a combination of attractions rarely met with in a single tree. 5 to 6 feet, $1.50 each. 6 to 8 feet, $2.00 each.

Camperdown Weeping Willow. Grafted 6 to 8 feet high; this forms one of the most picturesque drooping trees. It is of rank growth, the shoots often making a zigzag growth outward and downward several feet in a season. Leaves large, dark green and glossy. Each $1.50 to $2.00.

Maple. Wier's Cut-leaved (Weeping). A variety of silver maple with finely cut leaves and drooping limbs, making one of the most beautiful of weeping trees. 6 to 7 feet, 75 cts. each. 7 to 9 feet, $1.00 each.

Weeping Russian Mulberry. The most graceful and hardy weeping tree, forming a perfect umbrella-shaped head, with long, slender, willowy branches drooping to the ground. It has beautiful foliage, is wonderfully vigorous and healthy and one of the hardiest of weeping varieties. Each $1.50. Extra select, $2.00 each. Extra high and perfect heads, $2.50 each.

Wisconsin Weeping Willow. One of the best weeping willows grown. Grows rapidly, is perfectly hardy and with its long, slender branches sweeping to the ground is exceedingly graceful and attractive. 5 to 7 feet high, 50 cts. each.
SPRAYING FOR PROFIT.
New Book.
By Howard Erhart Weed, Entomologist.
The most practical illustrated work on the subject.
Every Farmer, Gardener, Fruits and Fruit Grower should have it. Price 20c., in col or stamps.

PACKING AND DELIVERY TO RAILROAD DEPOT OR EXPRESS OFFICE FREE OF CHARGE.

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The most practical illustrated work on the subject.
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PACKING AND DELIVERY TO RAILROAD DEPOT OR EXPRESS OFFICE FREE OF CHARGE.
ORDERS FOR FRUIT PLANTS SHOULD REACH US BY APRIL 1st.

Purchasers should order at least a half-dozen Plants, for "One Plant is as good as none."

The following Plants are all Shipped Direct from the Nursery to Destination.

### STRAWBERRIES.

Those marked "P," are perfect in blossom and can be planted alone or are suitable to plant with the Pel-tate to make them bear. Those marked "I," have imperfect blossoms and must have some of the perfect blossom varieties planted with them, viz.: one row of the Perfect to two rows of the Imperfect.

**Crescent.** "I." Medium size, very productive. Good color and fair quality, early.

**Warfield.** "I." A good shipper of rich color, large size, fine shape and good firm, ripening very late.

**Jessie.** "P." Fruit very large, quite firm, good color and excellent quality. Early.

**Buach." "I." Fruit large, very red and ripens all over. Good flavor. Midseason.

**Buder Wood.** "P." A very desirable berry for either home or market use. Early.

**Haverland.** "I." Fruit large, bright red, very firm and ripens all over. Early.

**Lovett.** "I." A fine grower, heavy bearer, good colored large berries. Midseason.

Prepaid, 25 cts. per dozen, $1.00 per 100, $7.50 per 1000.

Not prepaid, dozen, 20 cts.; per 100, 75 cts.; per 1000, $5.00.

### RASPBERRIES.

**Transplanted Plants.**

Begins to ripen with the last of the Strawberries. Plant in rows 6 ft. apart and 3 ft. apart in the row.

**Gregg.** Fruit very large, of good quality, very neat and firm. Very late.


**Columbiana.** Fruit is dark red and of good quality. The best for canning. It is an extra strong grower and its immense canes are frequently loaded to the ground with its big luscious berries.

**London.** The best hardy late red raspberry. A heavy yielder, of large size and very firm. As near perfection as it is possible to get.

Prepaid, 6 for 40 cts.; 75 cts. per dozen.

Not prepaid, 6 for 35 cts.; 65 cts. per dozen; $1.75 per 100.

### BLACKBERRIES.

This valuable fruit begins to ripen before Raspberries are grown and continues until Grapes begin to ripen. Plant in rows 6 feet apart and 4 feet apart in row.

**Stone’s Hardy.** Very hardy and productive. Too well known to need further description.

**Snyder.** A popular variety, hardy and productive. Valuable for marketing.

Prepaid, 6 for 45 cts.; 85 cts. per dozen.

Not Prepaid, 6 for 40 cts.; 75 cts. per dozen; $2.50 per 100.

### GRAPE VINES.

**Extra Strong Two-Year.**

If planted by a fence or building, set plants 3 feet apart. For vineyard, make rows 8 feet apart.

**Concord.** A large purple--black grape, ripening about the middle of September.

**Delaware.** "One of the finest." Bunch small, compact shouldered and berries small.

**Holland.** Strong grower, bunches large, berries white. Has a peculiar aroma.

**Brighton.** A new red variety, highly recommended. Medium sized berries. Early.

**Moore’s Early.** One of the very best black early grapes. Cluster medium size, berry very large. Ripens nearly two weeks before the Concord and is of the same quality. Very profitable.

**Moore’s Diamond.** A new white grape, large in bunch and berry. Hardy and early.

Prepaid, 25 cts. each, $2.20 per dozen.

Not Prepaid, 20 cts. each, $2.00 per dozen, $10.00 per 100.

### CURRANTS.

**Three Year Old Plants.**

Currants are profitable for market, healthful for home use and should be found in every garden. Set plants 4 feet apart each way. Cultivate well.

**Holland.** This is the standard variety and well known everywhere.

**Pay’s Prolific.** Bush not very strong, but bears well. Larger than others.

**Victoria.** An exceedingly valuable late variety. A strong vigorous grower and immensely productive. Berries large, handsome and fine flavored.

**White Grape.** Fine for table use. A good grower and productive. Sweeter than the red.

**Lee’s Prolific.** Black. The fruit is large and of superior quality. Very productive.

Prepaid, 15 cts. each, $1.20 per dozen.

Not prepaid, 15 cts. each, 85 cts. per dozen, $6.50 per 100.

### GOOSEBERRIES.

**Extra Strong Plants.**

Of easy cultivation. Plant in good rich soil in rows 5 feet apart and 3 feet apart in the row.

**Houghton.** Small to medium; roundish oval, pale red, sweet and tender. Very productive and free from dust.

**Downing.** Large, handsome, pale green and of fine quality, both for cooking and table use. One of the best varieties.

Prepaid, 20 cts. each; $2.00 per dozen.

Not prepaid, 15 cts. each; $1.50 per dozen; $7.25 per 100.
Insecticides, Fungicides and Fertilizers.

Bordeaux Mixture. A good remedy for fungus diseases. Price, 1 qt., can (makes 50 gallons spray), 50c. Cannot be sent by mail.

Fir Tree Oil. Insecticide for greenhouse and house plants, especially for muscid beetles, lice, aphides, green aphids, thrips, lice, worms and slugs. Per qt., 85c. Cannot be sent by mail.

Plants may be sprayed with Bordeaux Mixture or with Mildew on roses, etc. Prepaid, lb., 25c; not prepaid, lb., 10c; 5 lbs., 35c; 10 lbs., 60c; 25 lbs., $1.25; 50 lbs., $2.50; 100 lbs., $4.75.

Hellebore, Powdered. For the destruction of slugs, worms, caterpillars, etc. Can be used as a powder or dissolved 1 oz. in 3 gallons of water. Per lb., 25c; 5 lbs., $1.10. Cannot be sent by mail.

Kerosene Emulsion. Prepared according to the most approved formulae; ready for use by simply adding water (25 to 50 parts water to one of Emulsion). For cabbage worm, scale on trees, stinkpills, melon roes, rose bugs, green fly and lice of all kinds, all sucking insects, either on plants or animals. Price, qt., 75c; gal., $1.00. Cannot be sent by mail.

London Purple. Good for Curculio, Codling Moth, Canker Worm, Pear Slug, Cabbage Worm, Cut Worm, all Leaftiers, Caterpillars, etc., on Potatoes, Apple, Pear, Plum, Cherry and Peach Trees. Per lb., 25c. Cannot be sent by mail.

Paris Green. Applied as a powder, it should be mixed with the dust before spraying. Prepaid, per 100 parts to 1 part of Paris Green; in solution mix 1 lb. in 200 to 300 gallons water. Price, 1/2 lb., $1.00; full lb., $1.50; 5 lb. package, $1.00; 25 lb., bucket, $5.50; 100 lb. keg, $18.00. Cannot be sent by mail.

Persian Powder. For worms, flies, aphids and almost all kinds of insects it is very effectual, suffocating them by filling the breathing pores. Prepaid, per 2 oz. box, 12c; 1 lb. box, 55c; not prepaid, 2 oz. box, 10c; 1 lb., 40c; 5 lb., $1.50.

Slag Shot, Hammond's. Guarantees to destroy potato spuds and those on tomato and egg plants, currant worms, cabbage lice and worms; bees, beetles and striped bugs on melons, turnips, beets, onions, etc.; caucer worms and caterpillars on fruit and other trees.

Pre. Not paid Prepaid
1 lb. paper carton, perforated top 60c 50c
1 lb. tin canisters, perforated screw top 20c 20c
5 lb. pkg., cannot be sent by mail 20c 20c
10 lb. pkg., cannot be sent by mail 50c 50c
In bulk, per bbl., 235 lbs. 9.40

 Sulpho-Tobacco Soap. Quickly ex- tinguishes all insect pests on plants and flowers in and out of doors. Unsuitable for rose bushes. For a cheap, ef- fective, clean and harmless insecticide for Amateur and Professional Growers this is unequaled. It also acts as a valuable fertilizer, reviving plant life. 3 oz. cake, sufficient for 1/2 gallons prepared solution, 10c; mailed postpaid, 12c; 5 oz. cake, sufficient for four gallons prepared solution, 20c; mailed postpaid, 25c; 10 lb. cake, sufficient for 80 gallons prepared solution, $3.00. Cannot be sent by mail.

Dust. One of the best remedies of green and black aphids, fleas, beetles, etc., for soil and the ground. Prepaid, per lb., 25c; not prepaid, lb., 10c; 5 lbs., 25c; 10 lbs., 40c; 100 lbs., $3.50.

Whale Oil Soap. Makes an excellent wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from awailing up.

Prepaid. Not Prepaid.

3/4 lb. air tight box  1/4 lb. air tight box  1/2 lb. air tight box  1/6 lb.
$0.05  $0.08  $0.10  $0.15

Grafting Wax. 1/4 lb., 15c; 1/2 lb., 40c, postpaid.

Thistleine.

A Lawn Necessity.

Thistleine Destroys Canadian and Russian Thistles. Burdock, Dandelion, Johnson Grass, Mullen, Plantain, Wild Lettuce and Onions, Milk Weed, Sand Burs, Polygon Ivy and all Other Fibrous Plants. Directions for each Can or Bottle. Price of 5 lb. Can (makes 5 gallons Spray), $2.00. Place in water; add one drop per gallon; mixing thoroughly.

Prepaid. Not Prepaid.

1/4 lb. 1/2 lb. 1 lb.
$0.08  $0.16  $0.30

Fertilizers.

Darling's Celebrated Flower Grower. This is an article which we put especially for house plants. Small pkt., 15c; large pkt., 25c; by mail, post- paid, small, 20c; large, 40c.

Walker's Excelsior Plant Food. An odorless and perfectly soluble food for house plants. A lb. box sufficient for 25 ordinary sized plants for 1 year. 1 lb., 25c; by mail, 40c; 1/2 lb. pkt., 15c; by mail, 25c.

"Brownie Brand" Bone Meal. A refinement of the pure bone meal, refined. Per lb. box, 25c; by mail, 40c.

Japanese Palm Food. An odorless fertilizer specially prepared for palms, rubber plants and ferns. It will produce luxuriant foliage of rich texture. Per lb. box, 25c; by mail, 40c.
SWIFT'S FERTILIZERS

(PURE ANIMAL MATTER)

For All Soils and Crops

Swift's Fertilizers have given abundant evidence of their profitable use among Wisconsin Farmers, Gardeners and Tobacco Growers. On request, special books will be sent free of charge, on Profitable Fertilizing of Grass and Grain Crops, Tobacco, Sugar Beets and Fruit Crops.

ALL GOODS ARE PUT UP IN NEW BRANDED BAGS

Superphosphate .......................................................... $1.50 $24.00
(For Corn, Oats, Spring Grain and Lawn Top Dressing.)
Champion Wheat and Corn Grower ............................. 1.75 30.00
(A High-grade Profitable Fertilizer for Corn.)
Onion, Potato and Tobacco ......................................... 2.00 30.00
(No Better Tobacco Fertilizer for the Money.)
Pure Raw Bone Meal .................................................. 2.00 32.00
(A Standard Lasting Dressing for Lawns, Flower Beds and Shrubbery.)

These Prices are F. O. B. Milwaukee or Chicago.

WE ARE EXCLUSIVE AGENTS
FOR SWIFT'S HIGH GRADE FERTILIZERS

Beckoe Stock Food

IT DOES WHAT OIL MEAL DOES; IT DOES WHAT OIL MEAL DOESN'T; AND IT DOES IT AT ABOUT 1-4 THE COST IF YOU FEED IT REGULARLY TO YOUR HORSES, CATTLE, SHEEP AND SWINE

You will save big money on your feed bills.
You will seldom have a sick animal on your hands.
Your stock will put on the greatest amount of flesh in the shortest possible time at the minimum of cost.
Your stock will always have smooth, glossy coats.
Your stock will get the last atom of nutrient from the grain given them, because Beckoe produces perfect assimilation, and there is little of that 40 PER CENT WASTE shown by all scale tests where Beckoe stock Food is not used.
You will get the "condimental food sensation" of the new century, a food which is about five times as strong as any other like preparation on the market, but one teaspoonful being used to each feed for an average sized horse or cow, AND YOU will get exactly what you pay for; not a lot of valueless filler, or worthless but expensive boots containing hundreds of more or less significant testimonials from men who got special prices which YOU do not get.

5-lb. box, $1.00; 100-lb. package, $16.50. Sold only in original packages. See that the seals are unbroken.

AGENTS WANTED EVERYWHERE.
A Chick can't grow or a Hen lay unless you give them
the proper materials with which to make bone and
THAT'S PLAIN.

The following named foods supply the materials for the growing bird and the laying hen.

<table>
<thead>
<tr>
<th>POULTRY FOODS AND GRITS.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>If by mail 16 cts. per lb. extra.</strong></td>
</tr>
<tr>
<td>Crushed Oyster Shells. Fed to Poultry to supply the essential formation of the egg. Per 10 lbs., 10c; 25 lbs., 20c; 100 lbs., 60c.</td>
</tr>
<tr>
<td>Mica Cryst. Grit. This is fed to Poultry to aid in digesting their food. Per 10 lbs. 15c; 25 lbs. 25c; 100 lbs. 75c.</td>
</tr>
<tr>
<td>Mico Spar Grit. The new Grit, sharper, harder and cleaner than any other. Per 10 lbs. 15c; 25 lbs. 25c; 100 lbs. 75c.</td>
</tr>
<tr>
<td>Raw Bone Meal. Made from raw bones ground fine. Feed in the mash feed makes chicks grow and lay eggs steady. Per 5 lbs. 20c; 10 lb. 35c; 25 lb. 75c; 100 lb. $1.25.</td>
</tr>
<tr>
<td>Broiler Teeth. Made from one-third shell, one-third bone and one-third grit, the three make essential foods together. Mixed and ready to be fed. Per 5 lbs. 15c; 10 lbs. 20c; 25 lbs. 40c; 100 lbs. $1.35.</td>
</tr>
<tr>
<td>Refined Charcoal. Aids digestion, purifies the digestive organ and eliminates the bowels of all birds of Poultry. Per 5 lbs. 35c; 10 lbs. 60c; 25 lb. $1.25; 100 lb. $4.75.</td>
</tr>
<tr>
<td>Beef Scraps. Where it is difficult to obtain Green Cut Bones, Beef Scraps are largely used in their place. Per 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 95c; 100 lbs. $1.50; 100 lbs. $2.75.</td>
</tr>
<tr>
<td>Meat Meal. Made from the livers of slaughtered animals and ground and nearly 100% digestible. Feed in mash. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 70c; 100 lbs. $2.15.</td>
</tr>
<tr>
<td>Bread. This is decodized and very high in digestibility. Conceded to be the best egg producer on earth. Per 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 95c; 100 lbs. $3.50.</td>
</tr>
<tr>
<td>Linseed Meal. A great flesh producer for Poultry. Keeps them healthy. Fed in Mash. Also fed to horses and cattle. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. $2.00.</td>
</tr>
<tr>
<td>Blitchford's Poultry Meats. Contains Albumen, Beef, Ground Shells, Linseed Seeds, Iron, Red Pepper, Ginger and Oil, all carefully mixed and ground. A profitable Egg Producing Food. Per 5 lbs. 30c; 10 lbs. 55c; 25 lbs. $1.25; 100 lbs. $4.00.</td>
</tr>
<tr>
<td>F. P. C. Chick Mann. A health food for little chicks, peculiarly adapted for the most critical period of little chicks. A special ten days food teading to make little chicks, healthy, vigorous and of good quality. Use this as a first food, no matter what food is fed. Per lb. 10c; 5 lbs. 45c; 15 lbs. $1.10; 20 lbs. $4.20.</td>
</tr>
<tr>
<td>Chamberlain's Chick Food. Contains over 30 varieties of grains and seeds, also meat, grit and bone. The only dry feed for editled chicks made. Try it. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 80c; 100 lbs. $2.50.</td>
</tr>
<tr>
<td>Mrs. Pinkerton's Chick Food. A food for little chicks; put up by a formulae as carefully prepared as a druggist puts up his prescriptions. Per 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 95c; 100 lbs. $2.75.</td>
</tr>
<tr>
<td>Cyphers Cut Glover. This is specially prepared for food for Poultry. Fed in the mash, it makes hens lay. It contains second crop peas green green. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 60c; 50 lbs. $1.09; 100 lbs. $1.75.</td>
</tr>
<tr>
<td>For Green Cut Glover. Guaranteed 100 per cent. pure clover. As green as grass. Per lb. 6c; 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 75c; 50 lbs. $1.25; 100 lbs. $2.50.</td>
</tr>
<tr>
<td>Clover Meal. Made from the same stock as our Cut Glover. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 70c; 100 lbs. $1.10.</td>
</tr>
</tbody>
</table>

**EGG FOODS AND POWDERS.**

| Lee's Egg Maker. "Fifty Feeds for One Cent." as this is popularly known, has yet to find its equal. Contains 5 per cent blood meal and 50 per cent. spices, roots and beyond. Per 1 lb. pack, 25c; by mail 63c. |
| Eggskum. Makes hens lay as surely as the sun makes light and will keep them in the pink of condition. It also makes the male birds more vigorous. Per pkg. 25c; by mail 31c. |
| Myers Spice Of Life. It gives a rich flavor to eggs besides furnishing feed of fertility and increasing egg production. 1/2 lb. sample package 10c; by mail 15c; 2 lb. pkg. 35c; by mail 75c; 5 lb. bags, 75c; 25 lb. bags $1.50. |
| Conkey's Egg Food. Helps melting fowls and produces eggs, besides being a good conditioner at all times. Pkg. 25c; by mail 40c. |
| Imperial Poultry Powder. A tablespoonful to each chicken now and then will prevent disease and do wonders towards producing eggs. Pkg. 25c; by mail 40c; 3 lb. pkg. 95c; by mail $1.00. |
| Multum in Parvo Powder. A sure cure for Cholera, Roup and all diseases known to the world. Pkg. 100 lbs. 15c; pkg. 100 lbs. $1.00. |
| Modoc Gape Cure. An effective remedy for gapes. Will cause the worms to lose their power and the chick regain its strength. 9 oz. tin can 15c; oz. tin can 35c; by mail 53c. |
| Bone-Tone. A preventative of disease. A teaspoonful of Bone-tone in a quart of water and shake thoroughly. Of this solution you put one teaspoonful in each quart of drinking water. Per box 25c; by mail 30c. |
| Conkey's Roup Cure. For chicken Roup of any form. It is put in drinking water and the chicken takes its own medicine. Small packages makes 25 gallons medicine, 50c postpaid. Large packages makes 75 gallons medicine, $1.00 postpaid. |
| Roupino. Cures Roup, Canker, Catarh, and all colds in all feathered stock. Per box 50c postpaid. |
| Rusts Hayens Roup Pills. A sure and safe cure for disease in Poultry or Fowage. Box 25c, postpaid. |
| Lice's Germicide. A wonderful cure for Roup, Cholera, Bowel Complaint, Sore Head, etc. Directions with each bottle or package. Price, large 12 oz. bottle 90c, (Cannot be sent by mail) Same in tablet form 50c, postpaid. |
| Scabicide. A sure cure for chicken scabs, lice, mites, mites, etc. Per tin box 25c; postpaid. |
| Death to Lice Ointment. Sure death to lice on heads of little chickens. 1 oz. box 10c; postpaid; 3 oz. box 25c postpaid. |

**LICE POWDERS.**

| Lambert's Liquid Lice Killer. $0.53 $0.80 $1.00. |
| Spruce Insect's Killer. .53 .83 1.00. |
| Lee's Liquid Lice Killer. .50 .80 1.00. |
Absolutely Free.

To all who ask for it we will mail our large 50 page Poultry Supply Catalogue which tells of all "Good Things and Necessities" for the Practical Poultry Keeper. We carry the largest stock of any Supply House, bar none, in the Northwest.

Rust Proof Poultry Netting.

Put up in rolls of 150 lineal feet of No. 19 Galvanized Wire, 2 inch mesh. It is made with three strand rope selvages and is galvanized after being twisted.

- Width of Per Roll
- Netting, of 150 feet
- 12 inches $0.75
- 18 inches $1.15
- 24 inches $1.50
- 30 inches $1.90
- 36 inches $2.25
- 42 inches $2.65

Will quote prices on 1½, 1 and ¾ inch mesh.

HUMPTY DUMPTY EGG CARRIERS.

- Size, 6 doz., each 25c, doz. $1.50
- Size, 12 doz., each 30c, doz. $2.75

WIRE HEN'S NEST.

1½ in. mesh, each 15c, doz. $1.50

WERNICH'S EGG CASE.

- With Patent Fasteners $0.40

Egg Carriers.

- Humpty Dumpty
- Champion

DRINKING FOUNTAINS.

- Sanitary, 1 Gallon $0.50
- Sanitary, 2 Gallons $1.50

GRIST MILL.

- Wilson. For Bench $3.50
- Wilson. On Iron Stand $5.75

ROOT CUTTER.

- Thompson's No. 7 $5.00

GREEN BONE CUTTER.

- No. 1. Humphrey $12.00
- No. 2. Power $13.50

CLOVER CUTTER.

- Gem. On long legs $9.00
- Gem. On short legs $8.00

BONE MILL.

- Wilson. For Bench $3.50
- Wilson. On Iron Stand $5.75

GRIST MILL.

- Wilson. For Bench $3.50
- Wilson. On Iron Stand $5.75

GRIT BOX.

- Sanitary $0.50

Feeding Systems.

- Champion Ballbearing Sheller
- Hallock Feed Pans
- Sanitary Fountain
- Wernich's Egg Case
CORNELL INCUBATORS.

Handsome in Appearance.
Effective in Operation.
Successful in Every Respect.


PRICES:

<table>
<thead>
<tr>
<th>Egg Size</th>
<th>Weight lbs.</th>
<th>F. O. B. Factory</th>
<th>F. O. B. Milwaukee</th>
</tr>
</thead>
<tbody>
<tr>
<td>108</td>
<td>140</td>
<td>$18.00</td>
<td>$18.20</td>
</tr>
<tr>
<td>216</td>
<td>230</td>
<td>28.00</td>
<td>28.00</td>
</tr>
</tbody>
</table>

Large Illustrated Catalogue, with 32 Colored Plates. Free.

WRITE FOR OUR POULTRY SUPPLY CATALOGUE. MAILED FREE.

VON CULIN INCUBATORS.

Perfect in Operation.
Elegant in Design.
Most Economical.
Sure Hatchers.

The Von Culin Incubators and Brooders have a reputation second to none. They are practical, successful and sure-hatchers. They are made of good material and by good mechanics and with ordinary care will last a lifetime. Von Culin Incubators are made in 2 styles, "The Simplified," and "The Perfected."

For Full Description Write for Special Incubator Catalogue. Mailed Free.
PEEP-O'-DAY BROODERS.

PEEP-O'-DAY BROODER No. 1.
For Indoor or Outdoor Use.

Specifications:—Three feet square by 27 inches high. Sun Parlor Attachment, can be raised to a level or lowered down as shown in cut. Same is 3½ feet long by 3 feet wide and with Brooder makes the size 6½ feet long by 3 feet wide. Hover 2 feet in diameter. Large enough for 150 chicks, but we do not recommend over 75 to 100 in any Brooder.

Price, without Sun Parlor Attachment (weight 100 lbs.)........$10.50
With Attachment..................12.75

No. 1 Brooder, with Sun Parlor Attachment.

PEEP-O'-DAY BROODER No. 2.
For Indoor or Outdoor Use.

Specifications:—Five feet long, three feet wide and two feet high. Front addition with a level floor, with a hinged partition between it and the brooder proper. Chick door close to the ground. Hover two feet in diameter, with a special brooder thermometer, and the latest improved lamp, that will burn from thirty to forty hours. The cover is hinged, and the sash to the sun parlor is removable, and both are absolutely storm proof. There are glass slides in the front of the brooder, for ventilation. Made of white pine, and painted with the best lead paint. Capacity, 70 to 100 chicks.

Weight 120 lbs. Price..............................................$11.00

PEEP-O'-DAY BROODER No. 3.
For Indoor or Outdoor Use.

Specifications:—Four feet long by twenty-six inches wide. Sun parlor addition with level floor, with a hinged partition between it and the brooder proper. Chick door near the ground level. Hover twenty inches in diameter, with our special thermometer and improved lamp, which will burn from forty to sixty hours. The brooder is absolutely weather-proof, the cover is hinged and the sash in the sun parlor is removable. Glass slides in the front for ventilation. Made of white pine and handsomely painted with the best lead paints. Capacity 40 to 50 chicks.

Weight 75 lbs. Price..............................................$7.50

PEEP-O'-DAY BROODER No. 4.
For Indoor Use Only.

The construction of this brooder is somewhat similar to the No. 1, except that it has a flat cover, and is not intended for outdoor use. It can be run in a building where the temperature falls below freezing.

Specifications:—Three feet square by twenty inches high. Cover hinged on any side desired. Large glass slides on three sides of the chick chamber for light and ventilation. The hover is twenty-four inches in diameter, and has a special thermometer and improved lamp, which will burn thirty to forty hours. The chick door is on the ground level. Made of white pine neatly painted.

Weight 100 lbs. Price..............................................$8.50

PEEP-O'-DAY BROODER No. 5.
For Indoor Use Only.

This brooder is designed for brooder houses that are heated. It will easily hold the correct temperature in a room that is not below freezing.

Specifications:—Three ft. sq. by one ft. high. Hover two ft. in diameter, with our special thermometers and improved stove that will burn from thirty to forty hours. The chick door is on the ground level. Removable wire screens on all sides of the brooder. For early chicks, broilers, or ducks there is no better brooder and it will give perfect satisfaction.

Price, $7.00. Weight 60 lbs. Price without wire netting frames, $6.50. Price without wire netting frames or chick door brought to the ground level, $6.50.

PEEP-O'-DAY BROODER No. 0.
For Indoor or Outdoor Use. Best on the Market for the Money.

Has patented lamp, suspended hover, eight square feet of floor space and with each Brooder we send a thermometer. It will accommodate 50 chicks. Many brooders no larger than this are sold to accommodate 100 chicks. Size 4 feet long by 26 inches wide.

Weight 75 lbs. Price..............................................$5.00
THE HUMPHREY PURE AIR BROODER.  
Formerly Called the Up-to-date.  
One that will Raise Chickens Outdoors as Well as Indoors.

The Humphrey Pure Air or Up-to-date Brooder is just what its name implies. It is 34 x 70 inches, inside measurement, giving a brooder room 34 x 30 inches and a play room 34 x 34 inches. It is built of the best materials and paper lined. The hove is made of galvanized iron, 28 inches in diameter by 1½ inches thick. The heating system is such that it prevents any cold corners and furnishes an abundant supply of heat which is regulated by means of a disk regulator, a marvel of sensitiveness and accuracy which will keep the temperature under the brooder within 3 to 5 degrees of the same temperature all the time. In zero weather no trouble is experienced to keep the temperature under the hove from 90 to 100 degrees. All fumes and smoke from the lamp are carried through a chimney direct through to the open air, a feature not found in any other brooder. A constant supply of fresh air is brought in by a pipe extending from the outside in two pipes, which extend to each side of the brooder. This air after becoming thoroughly heated, is discharged just under the hove over the heads of the chicks. There is a glass door 6 x 10 inches on both sides of the brooder through which the regulator can be adjusted. A glass 6 inches square is placed just under the outside edge of the hove (leaving a space in the curtain to suit) through which one can see the chicks and how they are doing and read the thermometer without opening the door at all. Double curtains are suspended from the hove and one to divide the play room from the brooder room, besides an extra board on hinges to be let down very cold nights between the two rooms. Ventilation holes with adjustable covers are provided for up in the very peak of the brooder room and play room. The floor of the play room is 3 inches lower than the brooder room; the roof has a glass down the center 12 x 24 inches, furnishing a supply of light and air. The sides are 12 inches shade on each, leaving 8 inches at the bottom, thus providing the three important elements of nature necessary for life, viz., light sun and shade. For further information regarding this brooder, write for special circular. Weight, 240 lbs. Price, f.o.b. factory, $16.00.

PEEP-O-DAY COOP No. 1.

This is a setting coop and run combined. The hen is set in the coop, and can exercise in the run. The food and water are set outside, and are reached by the hen through the openings in the front. After the hen has hatched, it makes an excellent chicken coop, as the chicks can run out while the hen is confined to the run. It gives perfect protection against storms and animals.

Specifications—Size of coop, 15 inches square by 18 inches high. Run, 18 inches by 24 inches. Floor, cover and top of run are removable. They are made of white pine and neatly painted. Shipped "knocked down." The coop is put together with 12 screws. Weight, about 30 lbs. Price, $2.00.

PEEP-O-DAY COOP No. 2.

This coop is for a brood of 30 chickens after they have left the hove; it is also used for a roasting coop. It is a coop that is well ventilated, yet can be closed, giving perfect protection against storms and chick enemies. It is a coop that can be used early and late in the season.

Specifications—Size, 4 feet long by 3 feet high by 3 feet wide. It is made of white pine, and neatly painted. A good-sized window forms the door, with a hooded ventilator above it. It has two 4-foot roofs. Shipped "knocked down," and is put together with 12 screws. Weight, 60 lbs. Price, without floor $5.00. Price, with floor $6.00.

WHITENASH AND PAINTING MACHINE.

RIPPLEY'S WHITENASH AND PAINTING MACHINE. USED AND ENDORSED BY LEADING AUTHORITIES. WITH THIS MACHINE ONE MAN CAN DO THE WORK OF FIVE MEN WITH BRUSHES IN THE SAME LENGTH OF TIME.

After many experiments and repeated failures we now offer our customers one of the finest, cheapest and best Painting and Whitening Machines ever placed on the market. By using this machine every crevise and corner which cannot be reached with a brush can be thoroughly painted or whitened at the same time, saving a great deal of labor and expense. Whitening and painting is a dreaded job when brushes are used, but this machine reduces the labor, and saves four-fifths of the time.

Can also be used as a Sprayer in the Garden or Orchard.

Construction—The body is made of No. 24 Galvanized Steel and is fitted with a first-class Ball Valve Brass Cylinder Pump, which will produce 150 pounds of pressure. It is fitted with an agitator which works at every stroke of the pump and keeps the mixture thoroughly agitated. Top is removable to clean thoroughly agitated. Every Machine Tested Before Leaving Factory. Sold Under a Guarantee to be as Represented.

Price, No. 6, 8 gallon, Galvanized Iron Machine, 10 feet best one-half inch hose, one nozzle and one 8 foot extension rod (weight, crated, 35 lbs.), $12.00. Prepaid, by freight, $13.75.

MATERIAL STRAINERS.

All mixtures must be carefully strained to insure perfect uninterrupted service of pump and nozzle. Burlap will not do on account of the lint, which clogs the nozzle. We offer here a strainer which will do the work perfectly.

Price, 10 in. diam., galvanized iron $1.50

You can make your own at any cost.
Knowing that a great many of our customers are interested in bees, we have decided to add a line of Bee Supplies to our stock. We assure you that any orders you may send us in this line will have our careful attention and the goods, which are manufactured by one of the oldest and largest bee supply houses, will be perfect in every respect. In the following we list such articles and styles of articles as are most commonly called for. If you are in want of any article not herein listed, write us and we will mail you a complete Catalogue of Bee Supplies.

THE DOVETAILED HIVE.

This is the regular Dovetailed style, and is furnished with all of the latest devices adapted to modern beekeeping. The cover is the Improved Higginsville style. It is a combination of the flat and gable covers and is strong and plain in construction. Any one of four different styles of supers, as shown and described on this and following pages is furnished with this hive at same price.

The body is furnished with self-spacing Hoffman brood frames, metal rabbits and division boards. If desired, we furnish loose thick top bar frames or thick top bar frames, with staples for spacing, instead of the Hoffman style.

The hive is furnished with the reversible style which can be used either side up for either deep or shallow entrance.

This hive is furnished in two sizes, 8 and 10-frame, and either 1/2 or 2 stories high, and is arranged for either comb honey or extracting. For extracting, it is furnished with any of the following combinations:

<table>
<thead>
<tr>
<th>Frames</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-story</td>
<td>$1.80</td>
<td>$1.60</td>
<td>$1.35</td>
<td>$ 6.25</td>
</tr>
<tr>
<td>2-story</td>
<td>$2.45</td>
<td>$2.30</td>
<td>$2.05</td>
<td>$10.75</td>
</tr>
<tr>
<td>2-story, 10 frame</td>
<td>$3.10</td>
<td>$2.75</td>
<td>$2.35</td>
<td>$10.75</td>
</tr>
</tbody>
</table>

In ordering 2-story hives for extracting, be careful to specify which combination is desired. If none is named we usually send No. 3, as we consider that the better. Material for 1-1/2-story hive, arranged for comb honey, includes bottom, body with frames, metal rabbits and division boards, entrance boxes, one super with section holders, separators, wedding board and springs, cover, and cement coated nails of proper size for nailing material together; 2-story hive the same with two supers instead of one; 1-story hive the same without any supers.

1/2 and 2-story Dovetailed Hives with supers and shallow frames arranged for extracting, same price as
Comb Honey Hives.

SPECIAL PRICES IN LOTS OF TEN OR MORE.
WRITE US BEFORE BUYING ELSEWHERE.

No. 1, OR REGULAR SUPER.

This is the original or regular Dovetailed Super. It is arranged for 4x4x11/2 beeway sections, with bottoms of section holders cut to correspond with bee ways in sections, and is fitted with slotted wood separators, as shown in cut, and a wedging device with springs. The 5-frame super takes 24 sections, and the 10-frame 28 sections.

In ordering Dovetailed hives, if you do not state which super you wish, we always send this style.

<table>
<thead>
<tr>
<th>Frames</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-frame</td>
<td>$0.65</td>
<td>$0.57</td>
<td>$0.50</td>
<td>$2.25</td>
</tr>
<tr>
<td>10-frame</td>
<td>$1.00</td>
<td>$0.85</td>
<td>$0.70</td>
<td>$3.25</td>
</tr>
</tbody>
</table>

No. 1, or Regular Super.
No. 2, OR PLAIN SUPER.

This style is arranged for \(4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{4}\) plain or no beeway sections, and is fitted with plain section holders, fence separators, and a wedging device with springs. The 8 frame super takes 24 sections, and the 10 frame 28 sections.

In ordering Dovetailed hives, if you wish the above style, state that you wish No. 2 or Plain Supers.

<table>
<thead>
<tr>
<th>Nailed and Painted</th>
<th>Nailed</th>
<th>In Flat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without Sections and Starters</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>8 frame</td>
<td>$0.65</td>
<td>$0.57</td>
</tr>
<tr>
<td>10 frame</td>
<td>.70</td>
<td>.62</td>
</tr>
<tr>
<td>With Sections and Starters</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>8 frame</td>
<td>.65</td>
<td>.55</td>
</tr>
<tr>
<td>10 frame</td>
<td>1.00</td>
<td>.90</td>
</tr>
</tbody>
</table>

No. 4, OR 4x5 SUPER.

This style is similar in construction to the other supers for plain sections. It is arranged for \(4\frac{3}{4} \times 1\frac{1}{2}\) plain or no beeway sections, and is fitted with plain section holders, fence separators and a wedging device with springs. The 8 frame super takes 24 sections, but can be arranged to take 25 sections by removing the two outside fences and wedging device; the 10 frame takes 32 sections.

In ordering Dovetailed hives, if you wish the above style, state that you wish the No. 4 or 4x5 Supers.

<table>
<thead>
<tr>
<th>Nailed and Painted</th>
<th>Nailed</th>
<th>In Flat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without Sections and Starters</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>8 frame</td>
<td>$0.65</td>
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<tr>
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</tr>
<tr>
<td>With Sections and Starters</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>8 frame</td>
<td>.65</td>
<td>.55</td>
</tr>
<tr>
<td>10 frame</td>
<td>1.00</td>
<td>.90</td>
</tr>
</tbody>
</table>

No. 3, OR IDEAL SUPER.

This style is similar in construction to the Plain Super. It is about \(\frac{1}{8}\) inch deeper than the regular or Plain style, being arranged for \(3\frac{1}{4} \times 3\frac{1}{4}\) plain or no beeway sections, and is fitted with plain slats, for supporting sections, fence separators and a wedging device with springs. The 8 frame super takes 30 sections, and the 10 frame 35 sections.

In ordering Dovetailed hives, if you wish the above style, state that you wish the No. 3 or Ideal Supers.

<table>
<thead>
<tr>
<th>Nailed and Painted</th>
<th>Nailed</th>
<th>In Flat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without Sections and Starters</td>
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</tr>
<tr>
<td>8 frame</td>
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</tr>
<tr>
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<td>.70</td>
<td>.62</td>
</tr>
<tr>
<td>With Sections and Starters</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>8 frame</td>
<td>.65</td>
<td>.55</td>
</tr>
<tr>
<td>10 frame</td>
<td>1.00</td>
<td>.90</td>
</tr>
</tbody>
</table>

BROOD FRAMES.

Self-Spacing Hoffman Frame.

The Self-Spacing Hoffman Frame (see cut) is furnished with the Wisconsin, Dovetailed and Champion Chaff hives, and is the most popular brood frame. The end bars are so constructed as to make the frame self-spacing. The top bar contains two grooves in the under side. The foundation is placed in the center groove, and a wedge is crowded in the other, which secures the foundation firmly in its place. Per 10, 30 cts.: 100 for $2.75; 500 for $12.50.

Thick-top Staple-spaced Frames and Simplicity Dovetailed (or all wood) Frames may also be used with the Wisconsin or Dovetailed hives, but are not considered by the majority to be so good as the Hoffman. Per 10, 30 cts.: 100 for $2.50; 500 for $11.75.

The Shallow Extracting frame is the style furnished with Dovetailed supers arranged for extracting. It is similar in construction to the all-wood frame, but has the self-spacing Hoffman end bar. Per 10, 25 cts.: 100 for $2.00; 500 for $8.00.
ONE-PIECE SECTIONS.
The cuts 6, 7, 8 and 9 show the different styles of one-piece section, except one, which is open three sides, which is also furnished when desired.

STANDARD SECTIONS.
The 4½x4¼ is the standard section. The following widths of this size are carried in stock: 2, 2½, 3, 3½, 4 to the foot, and 1½. In ordering these standard sections, if you do not state width and style wanted, we always send them 1½ wide and open top, as per cut No. 8.

PLAIN SECTIONS—No Beeways.
The following plain or no beeway sections are also carried in stock: 4½x4¼, 1½x1¼, or 1½, 4x2¼, and 3½x2¼. In ordering plain sections, if you do not state what size is wanted, we always send 4½x4¼x1½.

PRICE LIST OF SECTIONS.
(Regular Size, 4½x4¼. 1½x2 in.)

<table>
<thead>
<tr>
<th>In Quantities of</th>
<th>No. 1.</th>
<th>No. 2.</th>
<th>In Quantities of</th>
<th>No. 1.</th>
<th>No. 2.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>$8.75</td>
<td>$8.65</td>
<td>200</td>
<td>$9.75</td>
<td>$8.75</td>
</tr>
<tr>
<td>250</td>
<td>1.50</td>
<td>1.25</td>
<td>300</td>
<td>14.25</td>
<td>12.75</td>
</tr>
<tr>
<td>500</td>
<td>2.30</td>
<td>2.25</td>
<td>400</td>
<td>16.50</td>
<td>16.50</td>
</tr>
<tr>
<td>1000</td>
<td>5.00</td>
<td>4.50</td>
<td>5000</td>
<td>22.50</td>
<td>20.00</td>
</tr>
</tbody>
</table>

COMB FOUNDATION.

<table>
<thead>
<tr>
<th>Name of Grade</th>
<th>In lots of 1 Lb</th>
<th>5 Lbs</th>
<th>10 Lbs.</th>
<th>25 Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium brood</td>
<td>$0.55</td>
<td>$0.75</td>
<td>$5.30</td>
<td>$81.25</td>
</tr>
<tr>
<td>Light brood</td>
<td>.65</td>
<td>1.25</td>
<td>10.25</td>
<td>15.25</td>
</tr>
<tr>
<td>Thin surplus</td>
<td>.65</td>
<td>1.25</td>
<td>10.25</td>
<td>15.25</td>
</tr>
<tr>
<td>Extra thin surplus</td>
<td>.70</td>
<td>1.35</td>
<td>11.50</td>
<td>17.50</td>
</tr>
</tbody>
</table>

COLORADO SECTION PRESS.
The Colorado Section Press is the newest and best device in the market for folding sections. It has been used by some of the largest honey producers in Colorado with entire satisfaction. It is a foot power machine, and unlike other low-priced devices for this purpose, it is adjustable for any size section. Unless otherwise ordered, it will always be sent adjusted for the regular 4½x4¼ section.

Price, each ................................................. $1.25

LEWIS FOUNDATION FASTENER.
The Lewis Foundation Fastener has been on the market for three seasons, and is, without doubt, the simplest and best device for the purpose ever offered to the beekeeper. The machine can be securely fastened to a wall or table, thus materially assisting in the work and avoiding the danger of overturning the lamp, and the foundation can be easily, accurately and securely fastened. It can be adjusted for any style and width of section.

As the shelf can be adjusted for any ordinary lamp, we furnish the machine without lamps. Each machine is securely packed for shipment, and furnished with full directions.

Price, each ................................................. $1.00

IMPROVED CORNEIL SMOKER.
The Improved Corneil Smoker, with its new snout, is a most decided improvement over the old one. Its old nozzle, or snout, was somewhat top-heavy, having a tendency to tip over. The new one is not only neat in appearance, but will hold its position on top of the stove without danger of tipping over. Like the last-year pattern of nozzle, it is hinged for convenience in opening and closing, but in front instead of the rear, as before. See dotted line. A very neat wire-coil handle, which will remain cool under any circumstances, is riveted securely in place on the back side of the snout at a point that is most convenient for lifting and shutting the cap. The legs are of skeleton sheet-metal stamping, extremely light in weight, but very strong and rigid. They are riveted to the stove and bolted to the bellows-board. The blast is the same well-known Corneil principle, involving the use of a supplementary tube by which the volume of the blast is increased. The bellows itself is metal-bound, thereby strengthening this portion.

We furnish three sizes of this smoker, viz.: Jumbo with 4-inch stove, Standard with 3½-inch stove, and a Junior with 2½ inch stove.

Jumbo Cornell, 4-inch .............................................. $1.25 each, 3, $3.45; postage, $ .25
Standard Cornell, 3½-inch ....................................... 75 cents each, 3, 2.25; postage, .25
Junior Cornell, 2½ inch ........................................... 50 cents each, 3, 1.50; postage, .25

TABLE OF PRICES OF CORNEIL SMOKERS.
WERNICH $0.15 inches

<table>
<thead>
<tr>
<th>No.</th>
<th>NAME.</th>
<th>WEIGHT.</th>
<th>PRICE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>$11.50</td>
<td>$1.10</td>
<td>$10.00</td>
</tr>
<tr>
<td>100</td>
<td>Each, $1.00</td>
<td>$0.15</td>
<td>$0.85</td>
</tr>
<tr>
<td>21</td>
<td>.08</td>
<td>.30</td>
<td>21</td>
</tr>
<tr>
<td>100</td>
<td>$10.75</td>
<td>$2.70</td>
<td>1.50</td>
</tr>
<tr>
<td>5</td>
<td>$0.10</td>
<td>$2</td>
<td>6</td>
</tr>
<tr>
<td>25</td>
<td>$0.40</td>
<td>10</td>
<td>12</td>
</tr>
</tbody>
</table>

If you wish any other size extractor not quoted above, write for prices.

**WAX EXTRACTORS.**

<table>
<thead>
<tr>
<th>Price, $3.00 With steam generator, $4.00</th>
</tr>
</thead>
</table>

**BEE BRUSHES.**

- Cogswell Brush... $0.15 each
- Dixie Brush...... $0.15 each
- By mail........... 21 each
- By mail........... 20 each

**CLOVES.**

- Oiled duck........ per pair, $0.50
- Rubber. Nos. 10, 11, 12........ per pair, 1.45

To insure getting proper size, mark outline of hand on sheet of paper. If you order by number, order two sizes larger than you require in kid.

**FRENCH TULLE VEILS.**

- All cotton........ $0.40
- Cotton with silk face....... $0.50
- All silk.................. $0.80
- Globe veils........... 1.00
- Extra nets for Globe veils... $0.50

**CARLIN'S FOUNDATION CUTTER.**

Convenient for cutting foundation. Price, Tin wheel, 15c. By mail, 15c.

**PORTER BEE ESCAPE.**

Price, 20c each; $2.25 per dozen, postpaid.

Price of boards to be used with the above escape, to fit any of our regular hives.

- Single board, nailed... $0.15
- 10 or more, nailed... each, .13

**SHIPPING CASES.**

With 3 inch glass, nails and paper. For 4¾x4¾, 3¾x5 or 4x5 sections.

<table>
<thead>
<tr>
<th>IN LOTS OF</th>
<th>5</th>
<th>10</th>
<th>25</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>To hold 12 sections each......</td>
<td>$0.80</td>
<td>$1.30</td>
<td>$2.50</td>
<td>$11.50</td>
</tr>
<tr>
<td>To hold 24 sections each......</td>
<td>1.10</td>
<td>2.00</td>
<td>4.50</td>
<td>18.00</td>
</tr>
</tbody>
</table>

With 2 inch glass, nails and paper. For 4¾x4¾, 3¾x5 or 4x5 sections.

<table>
<thead>
<tr>
<th>IN LOTS OF</th>
<th>5</th>
<th>10</th>
<th>25</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>To hold 12 sections each......</td>
<td>$0.75</td>
<td>$1.20</td>
<td>$2.70</td>
<td>$10.75</td>
</tr>
<tr>
<td>To hold 24 sections each......</td>
<td>1.00</td>
<td>1.80</td>
<td>4.25</td>
<td>17.00</td>
</tr>
</tbody>
</table>

With nails and paper, but without glass. For 4¾x4¾, 3¾x5 or 4x5 sections. Arranged for either 2 or 3 inch glass.

<table>
<thead>
<tr>
<th>IN LOTS OF</th>
<th>5</th>
<th>10</th>
<th>25</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>To hold 12 sections each......</td>
<td>$0.70</td>
<td>$1.10</td>
<td>$2.50</td>
<td>$10.00</td>
</tr>
<tr>
<td>To hold 24 sections each......</td>
<td>.90</td>
<td>1.70</td>
<td>4.00</td>
<td>16.00</td>
</tr>
</tbody>
</table>

If you do not state whether you wish cases arranged for 2 or 3 inch glass, we always send them arranged for 3 inch. All covers and bottoms over 7 inches wide in two pieces and ship lapped.

**Price List of Class.**

<table>
<thead>
<tr>
<th>SIZE.</th>
<th>5 Strips</th>
<th>10 Strips</th>
<th>25 Strips</th>
<th>100 Strips</th>
</tr>
</thead>
<tbody>
<tr>
<td>6x3¾ for 12 lb.</td>
<td>$0.10</td>
<td>$0.20</td>
<td>$0.50</td>
<td>$1.75</td>
</tr>
<tr>
<td>3x3¾ for 24 lb.</td>
<td>.06</td>
<td>.12</td>
<td>.25</td>
<td>.95</td>
</tr>
<tr>
<td>2x1¾ for 15 lb.</td>
<td>.08</td>
<td>.16</td>
<td>.30</td>
<td>1.00</td>
</tr>
<tr>
<td>2x1¾ for 24 lb.</td>
<td>.10</td>
<td>.20</td>
<td>.40</td>
<td>1.50</td>
</tr>
</tbody>
</table>

*If you wish other sizes or styles than those listed, write us for prices.*

**ABC OF BEE CULTURE.**

1903 Edition.

A cyclopedia on bees, 500 pages, fully illustrated.

Postpaid.................. $1.20
combined fertilizer distributor, Hill and Drill Seeder.

Weight, Boxed, 65 lbs. Price, $17.00.

Although a tool designed to do so much, it is perfectly simple, light of draught, strong, and perfection in the quality of work done by it.

The opening plows of the Fertilizer Distributor are made of such shape as to encase the two fertilizer distributing tubes (one in each plow) leading from the fertilizer hopper. These plows are adjustable in depth and width, which allows the adjustment of the depth at which the fertilizer is sown and allows its distribution in narrow streams at different distances. The plows are immediately followed by the coverers, which draw the soil over the fertilizer just deposited.

The Fertilizer Distributor is thoroughly reliable in its distribution of fertilizer. It contains a force feed device which prevents stoppage by small lumps.

The Seed Sowing Device is practically the same as used on our Nos. 6 and 15 combined seed drills. The seed may be sown in rows or dropped in hills at 4, 6, 8, 12 to 24 inches apart.

Combined in this tool is the best Hill and Drill Seeder and single wheel hoe ever offered to the public. In combining these tools, not a single advantage of a separate single wheel hoe or drill seeder is lost. As each they are in themselves complete. Changed from one form to the other almost instantly, completely filling every desire both as to method of handling seed and soil. It places the seed in hills, or drills, it plows, it rakes, it opens furrows, it covers, it hills, it hoe, it cultivates. The wheel is made of steel, 16 in. high; the frame of pipe, coupled to malleable castings, therefore light (runs easy), strong and durable.

This is the same as the No. 15 excepting it has not the attachments that appear in the illustration. It is a plain seeder only.

Same as the No. 17, minus attachments or cultivating tools, plain seeder only.

No. 6. "Iron Age" Combined Double Wheel Hoe, Hill and Drill Seeder.

Weight, Boxed, 50 lbs. Price, $11.00.

This tool will sow all the same seeds varying in size from celery to corn, in drills or drop in hills at 4, 6, 8, 12 or 24 inches apart.

By a convenient hook the tool can be instantly changed to a drill seeder, or the reverse. The opening plow is clog proof; all trash which may come in contact with it is ridden down.

The Marker is pivoted in the rear of the hopper and can be thrown from side to side by the foot. This tool is without doubt the most complete tool ever offered to the public.

Same as the No. 6 minus the extra attachments. Plain seeder only. Weight, Boxed, 39 lbs. Price, $8.00.
"IRON AGE" FARM AND GARDEN TOOLS—Continued.

No. 12—"IRON AGE" WHEEL PLOW AND CULTIVATOR.

Weight, Boxed, 20 lbs. Price, $3.25.

In the accompanying cut we show a tool of exceeding lightness but of great strength, which is designed to do a greater variety of work than any other tool of the same price. It will accomplish all the work in cultivating needed to be done in a small kitchen garden—plowing, furrowing, hoeing, raking, and cultivating. This tool is emphatically a friend of the laborer or mechanic who can afford only to invest a small amount of money in a garden tool, and whose few moments in a garden must be devoted to "straight-ahead" work.

No. 20—"IRON AGE" WHEEL HOE.

Weight, Boxed, 28 lbs. Price, $5.50.

The No. 20 is the latest and most complete Single Wheel Hoe. The wheel is 16 in. high and has a broad faced tire 1 1/4 in. wide. It is securely held in position by two rigid arms which are made of tubing and coupled to malleable castings, to which the working tools and the handles are attached. Add for No. 4 Drill Seeder attachment, for sowing seeds in rows only..........................$3.50
Add for No. 6 Hill and Drill Seeder attachment, for sowing seeds in rows or hills.......................... 4.50

No. 9—"IRON AGE" SINGLE WHEEL HOE.

The same principle of construction is applied to this tool as contained in the popular No. 1 Iron Age Double Wheel Hoe.

The Wheel is made of steel 16 inches high, and the frame is made of pipe coupled to malleable castings. While the tool is light, it is exceedingly strong. It is a great favorite in the kitchen and flower gardens.

With its various working tools, a great variety of work can be accomplished.

No. 1—"IRON AGE" DOUBLE WHEEL HOE.

Weight, Boxed, 40 lbs. Price, $6.50.

In cultivating onions, turnips, radishes, etc., this tool is invaluable, saves hours of hard labor, and does the work better than several men could do it in the same time. One great advantage is, that it can be made into a complete Single Wheel Hoe in a moment's time.

Add for the No. 4 "Iron Age" Drill Seeder attachment, for sowing seeds in rows only $3.50
Add for the No. 6 "Iron Age" Hill and Drill Seeder attachment, for sowing seeds in rows or dropping in hills.......................... 4.50

No. 1—"IRON AGE" COMBINED HARROW AND CULTIVATOR.

Packed, Weight, 60 lbs. Price, as in cut, $5.50.

This tool seems to go "right to the spot" among the farmers over the whole land. As plainly shown in cut, the teeth are diamond shape with a small cultivator tooth forged on one end. In common with all good things, this tool has numerous inferior imitations, but for solid quality, design or finish, is not approached by them.

No. 6—"IRON AGE" HORSE HOE AND CULTIVATOR.

Packed, Wt., 95 lbs. Price, as in cut, $8.50.

Without Furrow Closing Attachment, $7.25.

The No. 6 "Iron Age" Horse Hoe and Cultivator is truly a 20th century tool. It heads the procession. Its great adjustability adapts it for numberless uses and conditions.

The Furrow Closing Attachment is a special feature. It fills in that objectionable furrow or gutter left next the growing crops in all cases where an ordinary furrow tooth cultivator is used.
The No. 11 Iron Age Wheel Plow.

A beauty. Its graceful shape and exceeding lightness accord well with its ease of operation and perfection of work. Adjustable in depth. It will plow three to six inches deep and throw a furrow four to six inches wide. Poultrymen will find this tool to be the easiest, quickest and most efficient implement for turning under the accumulated filth and droppings in their poultry yard. Packed, Weight, 20 lbs. Price $2.25.

New Model Seed Drill.

Boxed. Weight, 50 lbs. Conceded to be one of the best Seed Drills on the market. The regulation of the seed sowing device is simple and effective. The index is plain, convenient and reliable. The best value in material, durability and true merit. Cheaper than ever at $8.50.

Diamond Pulley Mill.

No. 9—Is designed to be run by belt power, can be used with two horse power, or as much greater power as may be available. Will grind shelled corn and all kinds of grain, but not corn in the ear. Uses 6 inches in diameter. Any boy can exchange or replace burr in 5 minutes time. The burr shaft is held in place by an adjustable spring. Nails nuts or pieces of iron will pass between the burrs without injuring them. The capacity of this mill is from 1 to 25 bushels per hour, according to condition of the grain and speed at which run. Height 3 ft. 3 in. hopper, 1½ in. square; pulley 1½ in. diameter, 6 in. face, weight 185 lbs. We always ship with right-hand burrs, unless left-hand are specified. With 3 sets of burrs...$16.00

Extra burr, per pair, weight 4½ lbs. 1.20

No. 7—This mill is the same as No. 9, only larger and of greater capacity, being fitted with 8 in. burrs. It requires from 6 to 10 horse power and will grind from 25 to 40 bushels per hour. Height 3 feet 10 in. hopper 2½ in. square; pulley 2½ in. diameter, 6 in. face, weight 250 lbs. This mill is always shipped with right-hand burrs, unless left-hand are specified. With 3 sets of burrs...$22.50

Extra burrs, per pair, weight 8 lbs. $1.45

The Cyclone Kit of Tools.

For Farmers, Stockmen, Planters and Machinists.

Ferrers' Forge, No. 3 ½, will nut ½ inch iron
Ferrers' Knife, Wootenham
Blacksmith's Axe, have long worn and handle, Nile, 9 oz.
Blacksmith's Hot File, 1½ lbs. solid cast steel.
Blacksmith's Cold File, ½ lbs. solid cast steel.
Blacksmith's Tongs, wrought iron, 10 inches.

Save Time! Save Trouble!! Save Money!!! Complete, only $22.50

Packed, Weight about 190 lbs.

The Home Ironworkers' Outfit.

Similar to the "Cyclone" excepting that it has a Bench instead of a Post Drill. This reduces the price to $16.00. Packed, Weight about 136 lbs.

Bateman's Hand Garden Plow.

A simple and very effective Tool, one that stands against the garden fence always ready for use. While it will not break ground in the spring it is very useful in opening furrows for turnips, carrots, beets and manures, for covering them, and for tending the crops afterwards. Moldboard made of highly polished steel. Has side handle and being regulated in depth by a simple thumb nut is the most manageable tool of the kind yet produced. Weight, 6 lbs. Price, each, $1.15; 3 for $3.25.

Wernich's Horse-Hoe or 5-Tooth Cultivator

With large Hilling Shovel, Solid Tooth and Slip Tooth, Durable and Serviceable. Weight 76 lbs. Complete, cheap at only $2.95. Without Large Hilling Shovel, $3.50.
The best bargain of a serviceable tool ever offered to the farmer.
Lever Cutter.
For cutting feed for one horse or cow, we recommend our Lever Cutter. It is made with an adjustable gauge to regulate the length of cut. We now furnish an improved pattern of cutter. Weight 55 lbs. Price, $2.75.

The K. D. Cutter.
It has one 11-inch knife, an automatic feed and can be changed for a moment to cut various lengths. Weight 175 lbs. Price, $11.00.

Cummings Cutter, No. 1.
This cutter is a hand machine only and has three 8% in. knives. It has the upward cut, and the rocking feed roller, and the power is applied directly to the knife shaft without any intermediate gear ing. Length of cut 7% and 8% in. Capacity, 400 lbs. per hour. Weight 200 lbs. Price, $13.90.

Cummings Cutter, No. 2.
This is the largest hand machine, and is not recommended if much cutting is to be done, as it requires lots of muscle, which makes it hard work. If you do not have power, but plenty of strong boys, this machine answers nicely. Length of cut 9% and 10 in. 4 knives, 10 in. long. Capacity, from 400 to 800 lbs. per hour. Weight, 300 lbs. $16.00.

Cummings Cutter, No. 2½.
This cutter has four 10 in. knives, is intended for power but can be run by hand. We do not recommend it for hand use. Length of cut 7% and 8% in. Power required, two horses. Capacity, about 2,000 lbs. per hour of dry feed. Speed, 400 to 600 revolutions per minute. Weight, 300 lbs. $10.75

Improved Cummings Cutter, No. 3.
The No. 3 cutter is intended for power only. It is made on the same lines as our smaller machines, being larger, heavier, and having capacity great enough to feed forty to sixty head of stock. Equipped with three 12 in. knives; cuts four lengths—7%, 8%, 9% and 1 in.; size of pulley, 14 in.; diameter, 5½ in. face; speed 400 to 600 revolutions; power required, two horses; capacity, 3,000 lbs. dry feed per hour. Weight, 500 lbs. $33.90

Cutter, Attachment. Weight, 200 lbs. Extra. 10.50

Cotter Attachment, Weight, 200 lbs. Extra. 10.00

Improved Hand Pitcher.
For cutting feed for one horse or cow, we recommend our Improved Hand Pitcher. It is made with an adjustable gauge to regulate the length of cut. We now furnish an improved pattern of cutter. Weight 55 lbs. Price, $2.75.

COTN SHELLERS.

Diamond No. 1, One Hole Sheller.
For hand power only. Weight, 125 lbs. Price with Fan and Feed Table, complete $85.15

Diamond No. 2, One Hole Sheller.
For either hand or power. Capacity, 15 bushels per hour. Will shell popcorn or the largest ear grown with equal perfection. Has end delivery. Price, 145 lbs. Price, with Fan, Feed Table and Pulley, complete, $85.35

Diamond No. 3, Two Hole Sheller.
Can be used for either hand or power. Capacity is 250 to 350 bushels per day of good dry corn. One horse power is sufficient to operate the machine. Capacity depends somewhat on the speed of the sheller, and the activity of the feeding the same. It shells clean and rapidly. Has no cab carrier. Can be speeded at from 300 to 225 revolutions of the balance wheel per minute without harm to the sheller. Weight, complete, with Fan, Table and Pulley, 200 lbs. Price $12.00

Diamond No. 4, Two Hole Sheller.
An excellent sheller for the farm, warehouse or stockman. Has no self-feed attachment. The pulley, which is 8 inches in diameter, 8 inch face, should run from 300 to 400 revolutions per minute. Will shell either very large or very small ears of corn. The height of sheller frame is 3 feet 4 inches. It has very heavy balance wheel, 27 inches in diameter. Weight of sheller complete, about 240 pounds.
Price, with Fan, Feed Table, Crank Pulley and Cob Hake $15.00 Cob Stacker, Weight 35 lbs. Add. 5.20 Five foot Sacking Elevator, Weight 100 lbs. Add. 8.45 Nine foot Wagon Elevator, Weight 116 lbs. Add. 12.35

If sheller is to be attached by direct tumbling rod to the horse power, add $4.50 for extra attachment. In ordering power attachment, state the number of revolutions of the tumbling rod to one round of the full wheel on the power which is to run the sheller, so we can send the proper size sprocket wheel.

MEAD'S COMMON SENSE HAY PRESS

This machine will bale anything that permits of baling. Two boys can bale three tons per day easily and more if the stuff that is to be baled is delivered to the machine. It can be operated in 3x12 feet of floor space. Makes a bale 14x18 inches square and any length up to 28 inches. The shell is made of steel and with ordinary care will last a life-time. Weight of Press 450 lbs. Price $28.00 f. o. b. cars factory.
SCOTCH HARROWS.

Made out of good timber, seasoned oak, using 5/8 x 5/8 x 8 inch Diamond cut point teeth, well riveted (not nailed), teeth mortised in and not driven in a round hole.

48 Teeth; 2 Sections; 7 1/2 ft. cut; wt. 150 lbs. $ 4.05
50 Teeth; 2 Sections; 9 1/4 ft. cut; wt. 160 lbs. 5.07
72 Teeth; 2 Sections; 11 ft. cut; wt. 180 lbs. 6.08
72 Teeth; 3 Sections; 11 ft. cut; wt. 185 lbs. 6.08
90 Teeth; 3 Sections; 14 1/4 ft. cut; wt. 230 lbs. 7.90
120 Teeth; 4 Sections; 20 ft. cut; wt. 315 lbs. 10.14

COSTA ROBBINS PLANTER.

This is the Harrow for the Northwest. The Bars are made 2 x 2 1/2 in. Eveners 2 x 4 in. of the very best seasoned oak. Each bar is bored against splitting by using a 3/4 in. oval head rivet at each tooth, riveted with a burr. The sections are independent and connected with evener by eye hooks, so as to secure a perfect hitch, allowing the sections flexibility and vibration without permitting the teeth to track each other. Each tool cuts its own way. Teeth 1/2 inch steel, dagger or flat pointed.

Two horse, 78 teeth, cuts 15 ft.; wt. 190 lbs.. $ 6.15
Three horse, 102 teeth; cuts 16 1/4 ft.; wt. 240 lbs. 7.05
Four horse, 150 teeth, cuts 26 ft.; wt. 360 lbs.. 11.50

IMPROVED ROBBINS POTATO PLANTER.

Lack of space prevents us from giving a thorough description of this Planter. To all who are interested in and think of getting a Planter, we shall be pleased to mail Catalogue describing every part of this Planter.

Price, with Fertilizer Distributor .................... $75.00
Price, without Fertilizer Distributor ............ 65.00

BEVEL GEARED JACKS.

Our Bevel Geared Jacks are composed of an iron bed frame, containing the bottom boxes for all the bearings, and are bolted to the wood frame, which make it impossible to put the bearings out of line by age or strains from standing down. They are speeded 2 1/2 to 1 and strong enough for eight horses.

16 in. Pul. 18 in. Pul. 20 in. Pul.
Iron Frame Bevel Gear Jack, weight 100 lbs... $9.10 $9.42 $9.75
Wood Frame Bevel Gear Jack, weight 80 lbs... 8.00 8.32 8.65

DIAMOND SWEEP POWERS.

The Diamond Powers are built with 2 strong master wheel pinions and two heavy twin wheels, one on either side of the bevel pinion), which equalizes the strain on every wheel in the power exactly alike. The wood frame is very strong with 10 crosspieces reinforced by heavy rods making it impossible to get the frame out of square. Shafts are all solid steel. Tumbling rod can be connected at either side of the power.

Diamond 2 Horse Power, weight 700 lbs. .... $84.57
Diamond 4 Horse Power, weight 1000 lbs. ... 33.15
Diamond 6 Horse Power, weight 1100 lbs. ... 38.40
Diamond 8 Horse Power, weight 1400 lbs. ... 49.40

CLIMAX SWEEP POWERS.

These powers are built for durability and of light draft, have right and left motion and speeded as follows:

Two Horse 10x4, 4 Horse 10x6. The bull wheels have a heavy rib on the bottom, which is not found on other makes, to strengthen them against severe strains. We use steel shafts on all gears and pinions. The frame is well braced and extra stay bolts in the cross frames to hold twin gears in close mesh with center pinion; also extra travelers to the twin gears to prevent springing of shafts or slipping of cogs. Our 4 and 8 horse power have 4 sweeps each and the 2 horse has 2 sweeps and 2 leads, all sweeps with spring hitches and draft rods with turn buckles. All Climax Powers are furnished with 18 feet of tumbling rods, one slip and two rigid couplings.

Climax 2 Horse Power, weight 750 lbs .......... $27.50
Climax 4 Horse Power, weight 1100 lbs ....... 38.00
Climax 8 Horse Power, weight 1400 lbs ....... 56.00

Potato Digger.

Clipper, 55 lbs., Price only ....................... $5.90
Hartford, 75 lbs., Price only ................... 5.75

Wing Shovel Plow, or Potato Hiller.

Wings are hinged and adjustable in width.

Price, "Star," 60 lbs. ................................ $2.95
Price, "Rowell," 65 lbs. ......................... 3.15
This machine cleans all kinds of seeds and grain to the highest possible grade. It has the best of zinc sieves, seven in number, requires no attachments for cleaning wheat, oats, barley, corn, beans, rice, buckwheat, flax or clover, millet, timothy and garden seeds.

It has spreading board, end shake, and the vertical blast, which are found in the Clipper and no other, which makes them the leading and standard cleaner of the United States and Canada. Wt., 180 lbs.

Price, No. 1 $20.00
Price, No. 2 25.00

The "Cream City" is an excellent chaffer, having plenty of wind and shake. Having two chaffers it carries more screens than any other Mill in the market. It will separate oats and all small seeds, such as pigeon grass, wild buckwheat, cockle, cheat, and other wild seeds, from wheat at one operation. And the good and large seed can be separated from the small and the poor. It is a perfect cleaner of both clover and timothy. With each Mill we furnish 1 wheat hurdle, 1 wheat screen and 1 barley sieve. 1 oat sieve, 1 rye sieve, 1 flax sieve, 1 clover sieve and 1 timothy sieve. Shipped knocked down unless otherwise ordered.

Price, No. 1 Mill, Screens 24 in., Weight, 150 lbs. $13.50
Price, No. 2 Mill, Screens 30 in., Weight, 165 lbs. 17.25

Butler Steel Hand Cart.

For the business man in every line this cart is indispensable. The platform hangs low, rides level.

Will hold four milk cans and is as yet demanded in the creamery and dairy.

Wheels—Steel, 30 in. high and with removable boxings, easily and cheaply replaced in case of wear. Tires—Regular, 1 1/2 in., 3 in. as shown on No. 3 and rubber tires at extra cost. Width—Between wheels, 36 in.; from out to out hub, 42 in. Axle and all frame parts steel. Will easily sustain a load of 500 lbs. Platform—Hard wood, 28 x 32 in. Side Boards—Also hard wood, instantly removable, leaving Cart in shape for handling barrels, boxes, milk cans, etc. Painting—Body neat, heavily stripped; wheels bright carmine.

No. 1. Has only the plain Platform; weight 95 lbs. Price, $7.50.
No. 2. Same as No. 1, but has side boards, 25 in. high, which are easily demounted; weight 125 lbs. Price, $8.50.
No. 3. Same as No. 2, with flaring hoppers, sides and ends extending 12 in. above box on No. 2; and 4 boards. Price, $10.00.
Extra 3 inch Tires. Can furnish Wheels with 3 inch Tires at an additional cost of $1.50. Weight 30 lbs. more.

The regular outfit, known as "Commercial," will be sent with each mill, unless otherwise specified, and is as follows:

1 wheat hurdle or gang, with zinc sieve on top; 1 wheat screen; 1 wheat grader; 1 oat sieve; 1 barley sieve; 1 timothy sieve and 1 clover sieve.

Price, No. 1 Mill, Screens, 24 in., wt. 140 lbs. $10.90
Price, No. 2 Mill, Screens, 30 in., wt. 155 lbs. 15.00

EXCELSIOR JUNIOR.

Similar to the foregoing, only gearing is on the outside.

Price, only $9.25
Clover and Timothy Screens, extra each 45 cts.

THE ACME HAND POTATO PLANTERS.

For the business man in every line this cart is indispensable. The platform hangs low, rides level.

Will hold four milk cans and is as yet demanded in the creamery and dairy.

Wheels—Steel, 30 in. high and with removable boxings, easily and cheaply replaced in case of wear. Tires—Regular, 1 1/2 in., 3 in. as shown on No. 3 and rubber tires at extra cost. Width—Between wheels, 36 in.; from out to out hub, 42 in. Axle and all frame parts steel. Will easily sustain a load of 500 lbs. Platform—Hard wood, 28 x 32 in. Side Boards—Also hard wood, instantly removable, leaving Cart in shape for handling barrels, boxes, milk cans, etc. Painting—Body neat, heavily stripped; wheels bright carmine.

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No. 2. Same as No. 1, but has side boards, 25 in. high, which are easily demounted; weight 125 lbs. Price, $8.50.
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1 wheat hurdle or gang, with zinc sieve on top; 1 wheat screen; 1 wheat grader; 1 oat sieve; 1 barley sieve; 1 timothy sieve and 1 clover sieve.

Price, No. 1 Mill, Screens, 24 in., wt. 140 lbs. $10.90
Price, No. 2 Mill, Screens, 30 in., wt. 155 lbs. 15.00

EXCELSIOR JUNIOR.

Similar to the foregoing, only gearing is on the outside.

Price, only $9.25
Clover and Timothy Screens, extra each 45 cts.
SMITHS FORCE SPRINKLER.
A handy and cheap bucket sprayer. It is made of the best quality of tin, well lacquered. A good sprayer for the money.

Has four attachments.
No. 1. For extinguishing fires, washing high windows, etc. No. 2. For washing carriages, low windows, etc. No. 3. For spraying. No. 4. For showering. Wt. packed, 3 lbs. Price..............$0.90

CANNON SPRAYER.
A new handy and simple sprayer. Just the thing to apply liquid Insecticides.
No. 4. All tin, 35 cts.; by mail, 50 cts.
No. 5. Brass tank, 55 cts.; by mail, 70 cts.

THE PARKS SPRAYER.
A simple and inexpensive device consisting of a heavy tin tube air pump and a glass jar as a receptacle for the spraying compound. The article inside of jar is a mixer or agitator for the liquid.

Price, 75 cts.; prepaid..................$1.25

NEW ERA TRI-JET SPRAYER.
This sprayer embodies the principle of the ordinary atomizer and is now only in the application of same to a new use. Thrown the finest kind of a mist spray. Just the thing for spraying disinfectants.
Price—Galvanized Reservoir, 45 cts.; prepaid 75 cts., brass reservoir, 75 cts.; prepaid, $1.00.

THE BLIZZARD SPRAYER.
Complete with special stop cock and nozzle. The cheapest compressed air sprayer on the market. After filling 3/4 full and pumping in about strokes of air, a continuous mist-like spray is thrown which will last many minutes. The “Blizzard” will spray as fast as you can walk, saving a large amount of time and labor. By removing the two pieces of nozzle, a fine spray is thrown directly at the top cock, which can be varied by a slight turn of the key to a coarse spray 12 to 15 feet high, or a stream 15 to 20 feet high. Capacity, 1 gallon. Extremely light, a lady can operate with it.
No. 30. Galvanized Iron. Price.............$1.25
No. 35. Brass Tank. Price..................1.40

HILL’S KNAPSACK SPRAYER.
Ten acres a day, hills or drills. Two rows at a time as fast as a man can walk. It covers each plant with a finely divided spray of any liquid, insecticide or disinfectant. No pumping, the arms hang naturally at the side; the wide thin tank brings the weight close to the operator’s back. The tank is best galvanized iron and the spray nozzles all brass. Wt. 7 lbs. Price..............$3.25

THE AUTO-SPRAY.
A few strokes of plunger in air chamber will compress enough air to discharge the entire contents and make a continuous spray for 9 minutes. This means that the “Auto-Spray” can be charged in 15 seconds, when it will work uninterrupted by long enough to spray a quarter-acre of potatoes.

“Auto-Spray” is made in both galvanized steel and brass. We also furnish extra spray pipes, in 2 feet, lengths, made of either material; and by the aid of 3 of these pipes, and our new spraying attachment, a spray can be thrown to the height of 27 feet. Weight packed, 15 lbs.
Galvanized Steel Tanks, $4.50; prepaid, $5.00.
Brass Tank, $4.00; prepaid, $4.50.

EXTENSION RODS.
Two-foot Galvanized Steel, each 30c; brass each 35c. Extra Elbow Correction, each, 5c.

THE LOWELL SPRAYER.
A compressed air sprayer. Works very easy and rapid. The action of the air keep the solution thoroughly stirred. It has a funnel shaped head, making it handy for filling. The amount of spray is easily governed by simply pressing the thumb valve with a stick or slow motion. The spray can be turned in any direction by turning the spray crook as desired. One filling will spray 400 hills of potatoes. With the 4-foot hose attachment you can easily spray into the tops of the highest fruit trees. It is thoroughly riveted and will stand a pressure of 50 pounds. All working parts are made of brass. Fully guaranteed. Weight packed, 12 lbs.
Galvanized Iron $4.50, with fruit tree attachment, $5.00.
Brass tank, $6.50, with fruit tree attachment $6.00.
Will send either prepaid east of the Mississippi for 50 cents extra.

THE UTICA HIGH PRESSURE SPRAYER.
A new departure in compressed air sprayers. Made with a double cylinder, of galvanized iron (all made of copper), hence is capable of very high pressure. It will throw a fine stream over and into the average fruit tree. Once charged it works continuously until material is used up. On account of its construction it is convenient to carry. It is built strong, yet light weighing but 7 pounds. By using an extra hose, the large body of fine spray can be carried with full force into the top of the highest tree, by the use of a long stick, wired on the end to raise the nozzle where wanted. Tested before shipped. Length of hose 30 inches.
No. 5. Steel, each, $3.05. By express prepaid, $4.15
No. 10. Galvanized Iron, each, $4.25. By express prepaid, $4.75
No. 20. Copper, each, $6.50. By express, prepaid 7.00.
WERNICH SEED CO., MILWAUKEE, WIS.

Steam Feed Cookers.

Kalamazoo No. 1, Wt. 360 lbs. $19.00
Kalamazoo No. 2, Wt. 430 lbs. $21.00
Kalamazoo No. 3, Wt. 450 lbs. $31.10

Barrel Carts.

Wood Frame, Wt. 55 lbs., without barrel $3.35
Steel Frame, Wt. 55 lbs., without barrel 3.75

Corn and Cob Mill.

New Osage Junior.

Testimonial From Prof. Wm. P. Brooks, Mass. Agricultural College, Amherst, Mass.: “Have two of your Guns and consider they saved me not less than $75.00 in a season.”

Barrel Cart with Lever Clock Pump.

For spraying orchards, a Spray Pump that can be placed on any ordinary oil or whiskey barrel makes a convenient and cheap outfit. The apparatus may then be placed on a wagon or attached to our Barrel Cart, as shown in the cut. In placing it on a wagon, the greatest economy of time may be obtained when two persons are engaged in spraying, one to drive and the other to do the spraying. By using the Barrel Cart only one person is necessary.

Price, Pump, with 9 feet Suction Hose and 3 feet Discharge Hose and Nozzle; weight 70 lbs........$15.50
Barrel Cart, without Barrel (a vinegar or oil barrel will do); weight 50 lbs.................... 3.75
Complete, only .................................. 19.25

Banner Root Cutter.

Cider Mills.

Peerless Food Cooker.

Has no equal for cooking all kinds of feed for Stock, Butter’s use, Sugar making, Soap boiling, etc.

30 Gallons ........ $ 8.50
40 Gallons ........ 10.00
50 Gallons ........ 11.50
Cost Grate for any of the above sizes $3.25 extra.

Wagon Carts.

36 in. Metal Wheels, Box 25x36 in., 10 in. deep, Drop end gate. Axle 1 in. round steel. Wt. 85 lbs. Price, $3.25

Olmstedt Mole Trap.

Directions for setting and cast on the frame. Each, $1.50; 3 for $3.75.

Puritan Separator.

This Separator does the work of raising cream in about three hours without any labor on the part of the operator. As long as you get your separator cleaned and ready for the next milking, that is absolutely all that the work requires. Weight 31 lbs. Price, $7.00.

Legget’s Dry Powder Guns.

CHAMPION DUSTER.

The Champion Duster.

Weight 6 lbs.; boxed for shipment, 15 lbs. Outfit consists of 4 tubes, 6 nozzles, 2 straps and oil can. Reservoir holds 4 lbs. Paris Green or over 1 qt. Powder. Price, $7.25.

The Little Giant Duster.

Weight 6 lbs.; boxed for shipment 12 lbs. Outfit consists of 2 tubes, 5 nozzles and strap. Reservoir holds nearly a quart of Powder. Price, $5.50.

The “Acme” is the best barrel churn made. Thousands in use. Made from the best seasoned hardwood.

No. 0, 5 gals. 30 lbs.$3.00
No. 1, 9 gals. 34 lbs. 3.15
No. 2, 15 gals. 40 lbs. 3.55
No. 3, 20 gals. 45 lbs. 3.90
No. 4, 25 gals. 60 lbs. 4.50
No. 5, 35 gals. 75 lbs. 6.00
No. 6, 60 gals. 110 lbs. 10.00
Pulleys, 12 to 14 in. .75
Diff Pulley, fast and loose 1.25

No. 20. For hand power. Capacity 30 to 50 bu. per hour. Weight 120 lbs. Price, $9.00.

No. 15. Power or hand. Capacity 60 to 80 bu. per hour. Weight 115 lbs. Price, $10.50.

Steam Feed Cookers.

Kalamazoo No. 1, Wt. 360 lbs. $19.00
Kalamazoo No. 2, Wt. 430 lbs. $21.00
Kalamazoo No. 3, Wt. 450 lbs. $31.10

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Steel Frame, Wt. 55 lbs., without barrel 3.75

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40 Gallons ........ 10.00
50 Gallons ........ 11.50
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36 in. Metal Wheels, Box 25x36 in., 10 in. deep, Drop end gate. Axle 1 in. round steel. Wt. 85 lbs. Price, $3.25

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Directions for setting and cast on the frame. Each, $1.50; 3 for $3.75.

Puritan Separator.

This Separator does the work of raising cream in about three hours without any labor on the part of the operator. As long as you get your separator cleaned and ready for the next milking, that is absolutely all that the work requires. Weight 31 lbs. Price, $7.00.
"OUT O' SIGHT" TRAPS.
Traps are not Ornaments, they are Absolute Necessities.

MOUSE AND RAT TRAPS.

The "Out O' Sight" Trap is sure to catch em. No bait required. Will catch two mice to one of any other trap made in a given length of time. Mouse trap sent postpaid, 10c. Rat trap sent postpaid, 25c.

THE "OUT O' SIGHT" MOLE TRAP.

The best Mole Trap ever offered, to which thousands will testify. It has only to be tried to be appreciated. Trap sent for $1.25, postpaid. Full instructions with each trap.

FAMILY COBBLER, No. 1.
Consisting of 44 first-class Tools and Materials shown in cut, viz.: 1 Iron Last for Men's Work, 1 Iron Last for Boys' Work, 1 Iron Last for Women's Work, 1 Iron Last for Children's Work, 1 Iron Stand for Lasts, 1 Shoehammer, 1 Sheeknife, 1 Peg Awl Wrench for Peg Awi Handle, 1 Sewing Awl Handle, 1 Sewing Awl, 1 Stabbing Awl Handle, 1 Stabbing Awl, 1 Bottle Leather Cement, 1 Bottle Rubber Cement, 1 Punch Bristles, 1 Ball Shoe Thread, 1 Ball Shoe Wax, 1 pkg. Clinch Nails 4-8 in., 1 pkg. Clinch Nails 6-8 in., 1 pkg. Heel Nails, 4 pairs Heel Plates, assorted sizes, Slotted Rivets, assorted sizes, 1 Rivet Holder for same, 6 Harness Needles, 1 Harness and Saw Clamps, 1 box 1 Harness and Belt Punch, 1 Soldering Iron ready for use, 1 Handle for same, 1 Bar Solider, 1 Bar Resin, 1 Bottle Soldering Fluid, 1 Copy Directions for Half-soling, etc., 1 Copy Directions for Soldering. Weight, 15 lbs. Price..............$1.35

THE ECONOMY BOLSTER SPRING
WITH PATENT EXTENSION END, owes a perfect spring with either light or heavy load. Order this easy end with light load, as the thin fabric prevents any crushing of the cords and will not dent into walls. Manufactured by

No. 0—1,100 lbs. 77 lbs. per set. $2.25
No. 1—2,500 lbs. 32 lbs. per set. 4.10
No. 2—5,000 lbs. 36 lbs. per set. 4.75
No. 3—7,000 lbs. 38 lbs. per set. 5.00
No. 4—5,000 lbs. 40 lbs. per set. 5.50
No. 5—6,000 lbs. 44 lbs. per set. 6.50
No. 6—7,000 lbs. 46 lbs. per set. 7.50

In ordering, be careful to state the width between stakes of wagon.

FAMILY COBBLER, No. 2.
Consisting of 33 First-Class Tools and Materials shown in cut, viz.: 1 Iron Last for Men's Work, 1 Iron Last for Boys' Work, 1 Iron Last for Women's Work, 1 Iron Last for Children's Work, 1 Iron Stand for Lasts, 1 Shoehammer, 1 Sheeknife, 1 Peg Awl Handle, 1 Sewing Awl, 1 Wrench for Peg Awi Handle, 1 Sewing Awl Handle, 1 Sewing Awl, 1 Stabbing Awl Handle, 1 Stabbing Awl, 1 Bottle Leather Cement, 1 Bottle Rubber Cement, 1 Punch Bristles, 1 Ball Shoe Thread, 1 Ball Shoe Wax, 1 pkg. Clinch Nails 4-8 in., 1 pkg. Clinch Nails 5/8 in., 1 pkg. Clinch Nails 3/4 in., 1 pkg. Clinch Nails 1 in., 1 pkg. Clinch Nails, 4 pairs Heel Plates, assorted sizes, 6 Harness Needles, 1 Copy Directions. Weight, 12 lbs. Price........................ $1.00

GOPHER TRAP.

"STOP THIEF" TRAP.
Will kill at once and save the skin and fur.
No. 1. "Stop Thief" Traps (for catching rats and squirrels), postpaid 20c; not prepaid, per doz., $2.00.
No. 2. "Stop Thief" Traps (for catching mink and martens), postpaid 30c; not prepaid, per doz., $2.00.
No. 3. "Stop Thief" Traps (for catching skunks, raccoons, etc.), postpaid 40c; not prepaid, per doz., $1.10.

HARNESS MENDER.
Save time, trouble and money. Contains:
1 Wood Lever Sewing Clamp 1 Steel Rivet Set for same.
1 Ball Shoe Thread. 1 Ball Shoe Wax.
1 Sewing Awl Haft.
1 Harness Awl for same.
1 Package Rivets and Bars.
1 Saddler's Round Punch.
All packed in a strong box, weight 10 lbs. ....... $1.50
LADIES’ FLORAL SET.

Price, all four tools... $0.60 By mail, $0.75
Garden Trowel ... each, .10 By mail, .16
Garden Fork ... each, .10 By mail, .16

Pruning Saw.

Price ... each, $0.85 By mail, $1.10

Tree Pruner.

Pruning Shears.

Price, only ... Postpaid ... $0.50

Corn Planter.

Asparagus Knife.

Made of the best material. Will not break and warranted to last. Each, 50c; postpaid ... $0.40

The “Bateman” Hoe.

Beverled Edges, Oil Tempered.

Light and strong and “Just the Thing” for purposes almost innumerable. One or more should be found on every farm.

Three sizes: No. 1, 5½ inches, $1.00; 3 for $2.75; No. 2, 6½ inches, $1.10; 3 for $5.00; No. 3, 8 inches, $1.25; 3 for ... $8.25

Tomato Transplanting Hoe.

A very convenient Hoe for transplanting tomatoes or other large plants. Made of the best material. warranted to last. Each, 55c; 3 for $1.50.

Tomato Transplanting Trowel.

Useful to transplant sweet potatoes, cabbage, etc., etc. Each, 55c; 3 for ... $1.00.

Garden Dibble.

This Dibble is not the cheap kind usually sold. Point is of the best tempered steel. Each, 35c; postpaid, 40c.

Transplanting Line Reel.

Useful to every Trucker Gardener or Farmer. Small, 50c; large, 75c.

Garden Line.

For cutting vines of sweet potatoes. Saves the back. Price, each, 55c; 3 for ... $1.50

Imported Hammered Scythes.

Known to those who have farmed it in the “Old Country.”

No. 8 - 30 inches ... Price, $1.25, 3 for ... $3.50
No. 8½ - 32 inches ... Price, $1.35, 3 for ... $4.50
No. 9 - 34 inches ... Price, $1.50, 3 for ... $4.25

Racine Planter. With Pumpkin Seed Attachment. Weight, 7 lbs. Each, $1.25; 3 for ... $3.50
Acme Planter. Weight 4 lbs. Each, 75c; 3 for ... $2.00

Acme Planter. Weight 4 lbs. Each, 75c; 3 for ... $2.00

Columbus Whetstone.

WORLD’S FAIR PREMIUM.

This stone has been awarded First Prize at all the leading International Fairs. It is made of Aluminum Clay, and will sharpen Scythes and all other tools as well as Kitchen Cutlery.

Price, postpaid, 25 cts.; three for 60 cts.

Eureka Corn Knife.

6 ft. Pole, $9.50
8 ft. Pole, 1.00
10 ft. Pole, 1.10

A Corn Cutter forged under the hammer from a solid piece of steel. Hardened in oil and tempered in metal bath. Price, each, 30c; 3 for ... $1.00

Lawn Weeder.

Pruning Shears.

Price, only ... Postpaid ... $0.50

Lawn Weeder.

For pulling Dandelions, etc. Each, 50c; postpaid, $0.75

Vine Cutter.

For cutting vines of sweet potatoes. Saves the back. Price, each, 55c; 3 for ... $1.50
No. 710, Revolving Grater.

For grating Coconut, Horse-radish, Carrots, etc. Price only .... $0.45
By mail ....... $0.80

No. 712, Revolving Grater.

Same as No. 710, only larger and stronger. Weight, 8½ lbs. Price only .... $1.35
(Cannot be sent by mail.)

Enterprise Sausage Stuffer, Fruit and Lard Press.

No. Wt. Jpd. Price
15–2 qt. 21 lbs. $5.60
27–4 qt. 30 lbs. 4.35
35–8 qt. 44 lbs. 5.75

Blizzard Powder Guns.

Holds 2 ounces of Powder. Made with a screw cap instead of a cork. Price postpaid .... $0.15

Acme Powder Bellows.

For the extermination of insects, etc. Price. Postpaid.
No. 9 ....... $0.50
No. 14 ....... $0.65
No. 19 ....... $0.75
No. 22 ....... $1.20

Potato Parer.

Pares thinner than any other parer. Cleans out the eyes nicely. Price .... $0.70
By mail ....... 1.00

No. 720, Almond Grater.

Will not choke up. Price only .... $0.80
By mail ....... 1.30

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No. Wt. Capa. Price
34–12½ lbs. 1 qt. $2.90

Coffee and Spice Mill.

To be screwed to the wall or any convenient place in the kitchen. Grinds six ounces of coffee per minute. Capacity of Hopper, 2 oz., weight 6 lbs., height 9 inches. Price .... $1.25

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By mail ....... 95

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Can be used for sprinkling plants, cut flowers, etc. for dampening clothes and carpets. Nos. 1, 2, 4
Size, oz. 13, 7, 4½. Price .... $1.00
5, .75 .50
Postpaid .... 1.10 .85 .60

Farm Bells.

No. Diam. Wt. Price
1–15 inches, 40 lbs. $1.25
2–17 inches, 50 lbs. 1.50
3–19 inches, 75 lbs. 2.20
4–21 inches, 100 lbs. 2.85
Slug Shot or Plaster Sifter.

Complete
No. Diam. Wt. Price
1–15 inches, 40 lbs. $1.25
2–17 inches, 50 lbs. 1.50
3–19 inches, 75 lbs. 2.20
4–21 inches, 100 lbs. 2.85
With this Sifter one can cover 8 to 10 acres a day.
Nos. 1, 2
Size, qt. 2, 4
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By mail ....... 80

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Cap. per
No. Wt. Minute. Price
5–4½ lbs. 1 lb. .... $1.75
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Enterprise Sausage Stuffer.

Can be attached to all the principal sizes of Enterprise meat choppers. Easily attached. For chopper Nos. 5 10 20
Price .... $0.30 .55 .40

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Made of the best hard-wood, strong and durable. Weight 15 lbs. Price $3.25
Wool cards, per pair. 60
Wool cards, by mail. 75
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Shipped prepaid in the United States to all stations east of the Rocky Mountains if order for tools or tools and vegetable seeds combined amounts to $7.50. This offer applies to these tools only and not to other articles unless they are marked “prepaid” where described.

Space will not permit our showing and describing all of the “Plant Jr.” tools, but we send a fully illustrated catalogue free to anyone who desires it. Great improvements have been made for 1904.

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