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tools and imple-
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**Poultry...**

...SUPPLIES... 

Our line being so large and not having space in this Catalogue to describe all the Supplies carried in stock, we issue a special Poultry Supply Catalogue, which we will be pleased to send free to all who ask for it.

**CARBOLINEUM.**

A Wood Preserving Paint of Much Value to the Farmer.

For Painting Barns, Sheds, Crib, Fences, etc. For Further Description and Prices, see page 95.

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**PREMIUMS.**

Go and see your neighbors when ready to send your order, show them this Catalogue of Valuable Seeds and Everything for the Farmer and secure their orders, thus increasing the amount of your remittance, and thereby securing either the following Cash Discounts or Premiums. No cash discount on Farm Seeds nor Premiums on Clover, Grass and Timothy Seed.

**DISCOUNTS ON SEEDS IN PACKETS AND OUNCES.**

Purchasers may make selections of Vegetable and Flower Seeds in "Packets and Ounces only" at these discounts:

For 25 cents select Seeds in packets and ounces amounting to. . . $0.30

For 50 cents select Seeds in packets and ounces amounting to. . . . 1.85

For $1.00 select Seeds in packets and ounces amounting to. . . . 3.70

For $2.00 select Seeds in packets and ounces amounting to. . . . 6.50

For $3.00 select Seeds in packets and ounces amounting to. . . . 8.50

For $4.00 select Seeds in packets and ounces amounting to. . . . 10.00

For $5.00 select Seeds in packets and ounces amounting to. . . . 10.50

For $6.00 select Seeds in packets and ounces amounting to. . . . 1.60

**DISCOUNTS ON VEGETABLE SEEDS IN BULK.**

From Catalogue Prices by the 1/2 pound, 1 pound, peck or bushel, when cash is sent with order, pur-

chasers may deduct 5 per cent, on an order from $3.00 to $5.00, and 10 per cent, on an order from $5.00 to $8.00. This discount refers to Vegetable Seeds only, and not to Potatoes, clover, Grass, Bulbs, Plants, Farm Seeds, Nor to Seeds in packets and ounces.

**POULTRY...**

**...SUPPLIES...**

Our line being so large and not having space in this Catalogue to describe all the Supplies carried in stock, we issue a special Poultry Supply Catalogue, which we will be pleased to send free to all who ask for it.

**PREMIUMS ON FARM AND FIELD SEEDS.**

An hour spent with your neighbors, soliciting orders for our Farm and Field Seeds entitles you to one of the following premiums, besides getting the Seeds cheaper, as you will notice, the greater the number of bushels you order the price.

Orders netting $5.00—

Columbus Whetstone.

Orders netting $7.50—

Two Whetstones.

Orders netting $10.00—

Gem Corn Sheller.

Orders netting $15.00—

Gem Corn Sheller and Whet-

stone.

Orders netting $25.00—

No. 1 Farm Bell, Wat. 40 lbs.

Netting $35.00—

No. 2 Farm Bell Wat. 75 lbs.

Orders netting $50.00—

No. 4 Farm Bell, Wat. 100 lbs.

The above Premiums are only given with Farm and Field Seed orders and not to orders for Grass, Clover and Timothy Seed. For special Premiums with Grass Mixtures, see page 47 of this catalogue.
To Our Patrons:

It is with pleasure we present our Seed Annual for 1903 to the thousands of patrons with a feeling of gratitude for their liberal patronage in the past, and perhaps, it is unnecessary to add that we hope for a continuation of the same. It shall be our aim to serve you as well in the future as we have in the past.

Our Catalogue, consisting of 100 Pages, is full of interesting things from cover to cover. While we have labored to make it attractive and instructive, the main object is a business one. In the compilation of it we have endeavored to give a concise description of

Everything for the Farmer.

Illustrations are exact photographic reproductions and Exaggerations are wholly eliminated.

Our prices are as low as they can be made consistent with quality, still we are always ready to meet honest competition. In conclusion we can only wish for a share of your needs in our line for 1903.

Respectfully Yours,

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—Nothing hereafter the sender, and which will be used by your local Postmaster for four years from date of issue.

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 your local Postmaster for four years from date of issue.

Seeds Postpaid—We deliver free all Seeds (Gze., Obst. etc., Plants 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 own discretion.

Guaranty—Complaints made that Seeds are not good cannot always be attributed to the dealer. There are hundreds of causes other than the quality that prevent the best of seeds from always giving satisfaction; such as sewing too deep, too shallow, too wet or too dry soil, insects of all descriptions destroying the plant as soon as or before they appear, wet or cold weather, frosts, changes of 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.

SPECIAL NOTICE:

WE ARE INCREASING DEMAND FOR POULTRY SUPPLIES AND THE.

IMPORTANT DEPARTMENT OF

YOUR BUSINESS NEEDES IT TO ISSUE

A SPECIAL POULTRY SUPPLY CATA.

LOGO, WHICH IS MAILED

FREE TO ALL WHO APPLY FOR IT.
Novelties and Specialties for 1903.

Novelties for 1903 while not numerous, are worthy of attention. On the following pages we offer a number of selected Novelties and Specialties of more than ordinary merit. Much thought and care is exercised in making the selections for these pages, to enable us to list only varieties in which we have the fullest confidence.

Wernich's Extra Early Cabbage

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 Early Cabbages. It is as early as the earliest of Wakefield's and as hard as a cannonball. It is a flat cabbage; grows very compactly, thus yielding a much larger crop than other early varieties and a splendid keeper for an early sort on account of its soundness. Unexcelled for market and garden use and everyone should give it a trial. Pkt., 10 cts.; oz., 50 cts.; 1/2 lb., $1.50.

Wernich's IMPROVFD DANVERS Carrot.

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.; 1/2 lb., 50 cts.; 1 lb., $1.00.

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 good yielding sort, a ready seller and a 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.; 1/2 lb., 60 cts.; 1 lb., $1.50.
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 productiveness 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. 10 cts.; oz., 25 cts.; ½ lb., 75 cts.; 1 lb., $2.50.

THE EARLIEST LARGE TOMATO

Wernich's German Market

Ripens to the Stem.

Large. Smooth. Solid.

Unquestionably the best large red and smooth Tomato for market, canning or family use. It is the first of the large Tomatoes to ripen and not inclined to crack. Flesh is thick and solid and of fine quality. Bears fruit until frost. Ripens to the stem with no hard core and few seeds. Quality superior. It ships well and sells on sight. It is a strong, vigorous grower, the vines demanding plenty of room. Pkt. 10 cts.; oz., 40 cts.; ½ lb., $1.25; 1 lb., $4.00.

WERNICH'S FORCING RADISH

"Early Erfurt."

A Very Superior Early Forcing Radish;
It Will Mature in 20 Days.

Quick growth is essential to produce crisp and tender Radish. We have it in "Early Market," 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.


THE EARLIEST LARGE TOMATO

"Wernich's German Market."

Ripens to the Stem.

Large. Smooth. Solid.

Unquestionably the best large red and smooth Tomato for market, canning or family use. It is the first of the large Tomatoes to ripen and not inclined to crack. Flesh is thick and solid and of fine quality. Bears fruit until frost. Ripens to the stem with no hard core and few seeds. Quality superior. It ships well and sells on sight. It is a strong, vigorous grower, the vines demanding plenty of room. Pkt. 10 cts.; oz., 40 cts.; ½ lb., $1.25; 1 lb., $4.00.
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 white. 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.

SHASTA DAISIES.

(Chrysanthemum Leucanthemum Hybridum.)

"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.
The Resurrection Plant

"Semper Viva"

(Selaginella Lepidophylla.)

"Always Life"

Mentioned by Isaiah in the Bible.

"THE ROLLING THING BEFORE THE WHIRLWIND."

This shrunken, Round Ball of Tight-like Coiled-up, dry and apparently dead, will live for hundreds of years without being planted or watered. When immersed in liquid water, one frond-like tuft unfolds slowly outward, then another and another, until in a short time the whole plant has resurrected, flattened out into a plate-like shape, and transformed into a lovely Rosette of beautiful velvety green, fern-like moss, both odd and marvelous. It will grow nicely if planted in a warm, moist, shady place, but being nearly or fully matured in size and growth when gathered, it need not be planted at all, as the plant will keep just as well in a trunk or any other dry place in the house for ages in a perfectly fresh and healthy condition and can be resurrected at will, time and again, indefinitely, by being allowed to curl up and become dry each time, after having been fully opened out by water. The first picture is from a photograph of the apparently dead plant (reduced in size) the inside fronds of which are rolled up like a scroll; the color is somewhat like that of iron rust, being of a much more dead appearance than old dried hay. Almost perpetual drought prevails on its native mountains, hence the name it is called or known by there is Life. Price, each, 10 cts.; 3 for 25 cts.

The "Mikado" Fern Ball.

"The Plant Novelty of the Age." New.

(Imported from Japan.)

This ball, 7 to 9 inches in diameter, consists of Fern Roots about the size of a pencil, woven outside and around a ball of moss. These roots produce beautiful sprays of Ferns from eyes or buds at nearly every inch of their length. Thus the whole surface of the ball soon becomes covered with Fern sprays. They may be suspended in any part of the room or grown on a stand or table.

DIRECTIONS FOR STARTING.

Place Ball in water for 15 minutes and then suspend in any desired position; repeat every two days until growth is started, after which sprinkle occasionally as required. To use in fern dish, cut ball in halves, placing flat side down, thus getting two dishes of beautiful Ferns. The Fern Ball may be allowed to dry up at any time and set away, and started again by watering as before.

Price, each, 60 cts.; 3 for $1.05, postpaid.

Moth King.

(Phleocthanthus Fruticosus.)

An ornamental Pot Plant of more than ordinary merit and one that should have a place in every window box or living room. Its value, however, lies more in its usefulness than as a thing of beauty. It contains medicinal qualities, especially as a cure for Gout; apply a handful of green leaves from this wonderful plant on the afflicted member at night before going to bed and the next morning all pain has disappeared. Its principle value, however, is as an enemy to all insects, which cannot survive the odor which is that of a strong musk. Flies will not stay in the same room containing this Plant. Leaves dried in the shade and placed in such places where bedbugs and cockroaches reign supreme will storing them for the summer months will insure safety from moths, as the latter do not relish the odor any more than other obnoxious insects.

Seed. Per Packet (10 seeds) 25 cts.; (25 seeds) 50 cts.

Plants. Each 25 cts.; 3 for 60 cts.; dozen $2.00 postpaid.
SAND LUCERNE THRIVES WHERE CLOVER FAILS.

It withstands the severest winters and resists the worst drought where once established. It is a positive drought resister 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. Once established it never falls.

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 compound 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 improves 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 as little as possible to avoid loss of protein. The yield of cured hay per acre in 1901 from seeding made in 1897, was as follows:

- June 18th, 4933 pounds per acre.
- July 13th, 4330 pounds per acre.
- Aug. 14th, 5338 pounds per acre.
- Oct. 1st, 1988 pounds per acre.

A total of 13,859 pounds, or nearly 7 tons of hay per acre. This same plot of sandy soil produced in 1898, three crops with a total of 8600 pounds; in 1898, four crops, 10,550 pounds and in 1900 four crops, 12310 pounds, or a grand total of 43529 pounds equal to 23 1/2 tons of Cured Hay Per Acre in 4 Years.

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

IT 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 value more easily and earlier in May, June, and early in July, the Sand Lucerne thrives, when sown in the fall, summer, or early spring: it makes a hybrid crop throughout the growing season. As hay it is relished by all farm animals; its high protein content suggests itself as a substitute for part of the grain ration. As a positively profitable hay crop should show up well.

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, or clay. 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., $11.75; 100 lbs., $18.50.

WARNING:

Certain Seed Dealers are offering Sand Lucerne at such a ridiculous price figure the likelihood 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. The following is ample proof that he was offering ordinary Alfalfa for genuine Seed, as the Seed of both looks almost alike.

FOR TURKESTAN ALFALFA:" SEE PAGE 44.
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, and those that have been effectually tested, are confidently offered as being the very best that can be procured.

Our prices include postage on Vegetable Seeds in packets, ounces, 1/4 lb. and pounds. If the purchaser will pay the freight charges, 10c per pound may be deducted from the prepaid prices herein offered.

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

Cash Discounts
ON PACKETS AND OUNCES
ON ALL OUR SEEDS.

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WERNICH'S
LIST OF CHOICE.

Vegetable Seeds.

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 procured.

Our prices include postage on Vegetable Seeds in packets, ounces, 1/4 lb. and pounds. If the purchaser will pay the freight charges, 10c per pound may be deducted from the prepaid prices herein offered.

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ASPARAGUS.

German—Spargel. French—Asperge.
Spanish—Esparragro.

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, "thin out," 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 matured 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 bed, and just before winter cover the beds with 4 inches of manure, which should be removed in the spring.

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

Connoover's Colossal. The most approved and standard sort. Pkt., 5¢; oz., 10¢; 1/4 lb., 20¢; 1 lb., 50¢.

Giant Argenteuil. The largest variety. Pkt., 5¢; oz., 15¢; 1/4 lb., 30¢; 1 lb., $1.00.

Palmetto. Of southern origin; a bright green color. Pkt., 5¢; oz., 10¢; 1/4 lb., 25¢; 1 lb., 75¢.

ARTICHOKE.

German—Artischoke. 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., 5¢; oz., 30¢; 1/4 lb., 80¢; 1 lb., $3.00.

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 bushels to the acre in drills.

**Dwarf Wax Potted Varieties.**

**Currie’s Rust Proof Golden Wax.—**Black seeds, golden yellow pods; Fibby, tender and very productive. Prepaid, pkt.; pt., 25c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; pk., $1.50; bu., $5.50.

**Golden Wax.** Very early, round golden pods. Prepaid, pkt., 5c; pt., 23c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; pk., $1.50; bu., $5.50.

**Bismarck Black Wax.** A grand bean, early and productive. Prepaid, pkt., 5c; pt., 23c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $1.50; bu., $6.00.

**White Wax or Butter.** Pods round and stringless, and of fine quality. Prepaid, pkt., 5c; pt., 22c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $1.75; bu., $6.00.

**Round Early Yellow Six Weeks.** The leading market sort; flat green pods. Prepaid, pkt., 5c; pt., 23c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; peck, $1.25; bu., $4.50.

**Early China.** Early and continues long in bearing. Prepaid, pkt., 5c; pt., 23c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; peck, $1.25; bu., $4.50.

**Refugee, Extra Early.** Has all the superior qualities of the famous Refugee, and is two weeks earlier. Prepaid, pkt., 5c; pt., 23c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; peck, $1.25; bu., $4.50.

**Long Early Yellow Six Weeks.** The leading market sort; flat green pods. Prepaid, pkt., 5c; pt., 23c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; peck, $1.25; bu., $4.50.

**Green Podded Varieties.**

**Best of All.** Early and of good quality; round, green, stringless pods. Prepaid, pkt., 5c; pt., 23c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; peck, $1.50; bu., $4.50.

**Round Early Yellow Six Weeks.** Very prolific; pods neither flat nor round. Prepaid, pkt., 5c; pt., 23c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; peck, $1.50; bu., $4.50.

**Yosemite Mammoth Wax.** The largest podded of all wax beans. Prepaid, pkt., 5c; pt., 35c; qt., 50c. Not prepaid, pt., 25c; qt., 35c; pk., $2.00; bu., $7.50.

**Currie’s Rust Proof Golden Wax.**

**Dwarf Cranberry or Horticultural.** Late and productive. Prepaid, pkt., 5c; pt., 23c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; pk., $1.40; bu., $4.75.

**Canada Wonder.** Long pods; very productive. Seed when ripe, has a red color. Prepaid, pkt., 5c; pt., 22c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.

**Refugee. Late, or 1000 to 1.** A main crop bean, productive and tender. Prepaid, pkt., 5c; pt., 23c; qt., 40c. Not prepaid, pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.

**BEANS—English or Broad.**

**German—Garten oder Sau-bohne.** French—Feve 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.

**Broad Windsor.** Prepaid, pkt., 5c; pt., 28c; qt., 40c. Not prepaid, pt., 20c; qt., 50c; pk., $1.75; bu., $6.25.

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 yielder, 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. 25c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $2.00, bu. $7.00.

Henderson's Bush Lima.—Earliest and most productive of all the bush Limas. Prepaid, pkt. 5c, pt. 25c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.90, bu. $6.75.

For Field Beans, see page 46.

Running or pole beans.

Succed best in sandy loam, which should be liberally enriched with manure. Form hills from three to four feet apart, plant five or six beans in a hill, about two inches deep, leaving space in the center for the pole. One quart makes from 100 to 200 hills, according to the size of beans. Eight to twelve quarts plant an acre.

POLE LIMA VARIETIES.

Extra Early Lima. Earliest of Pole Limas. Prepaid, pkt. 5c, pt. 25c, 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. 25c, 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. 25c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.90, bu. $6.75.

Small White or Sieva Lima. Small beans but very productive. Prepaid, pkt. 5c, pt. 25c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.85, bu. $6.50.

POLE WAX PODDED VARIETIES.

Black German Wax Pole. Well known yellow podded variety. Prepaid, pkt. 5c, pt. 25c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.90, bu. $6.75.

Mont d'Or or Golden Cluster. Ripens ten days later than the Bush Gold- en Wax. Prepaid, pkt. 5c, pt. 25c, 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. 25c, 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. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.50, bu. $5.50.

Dutch Caseknight. Long flat green pods, and can be used as a shell or snap bean. Prepaid, pkt. 5c, pt. 25c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $6.00.

Lazy Wife. Late beans, white, pods long and green. Prepaid, pkt. 5c, pt. 25c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $6.75.

Scarlet Runner. Ornamental as well as edible. Prepaid, pkt. 5c, pt. 25c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $6.50.

White Dutch Runner. Same as Scarlet Runner, excepting color. Prepaid, pkt. 5c, pt. 25c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $1.75, bu. $6.50.

Kentucky Wonder, or Old Homestead. A very early green podded variety, entirely stringless. Prepaid, pkt. 5c, pt. 25c, qt. 45c. Not prepaid, pt. 20c, qt. 30c, peck $2.00, bu. $7.50.

BROCCOLI.


Sow thinly in seed beds about the middle of spring, and transplant and cultivate the same as cabbage. Produces heads very nearly like Cauliflower, but more hardy.

Purple Cape. Best adapted to our climate. Pkt. 5c, oz. 30c, $1.00, 1 lb. $3.50.

BRUSSELS SPROUTS.

German—Sproussen Kohl. French—Chou de Bruxelles. Spanish—Bretones de Bruselas.

This is one of the most delicious of all vegetables, and of easy growth, being well known in America as it deserves. Produces on the stem small heads resembling miniature cabbages. The sprouts are used as greens and become tender when touched by the frost, and may be managed as winter cabbage. In the fall the leaves should be broken down so that the little cabbages will have more room to grow.

Dwarf Improved.—Compact heads of fine quality. Pkt. 5c, oz. 10c, ½ lb. 35c, 1 lb. $1.25.

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


Half Long Blood. An entirely distinct variety, growing about half as long as the Long Blood, but thicker than that sort. The color is dark blood red, and the flesh is delightfully crisp and tender at all stages of its growth. It comes in soon after the early Turnip sorts, and never becomes coarse or woody, even if left in the ground until late in the fall. We consider it the best Beet for winter use. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 20 cts.; 1 lb., 50 cts.


Swiss Chard, Silver or Sea-Kale Beet. For the leaves alone this variety is grown. These with the mid-rib removed, are cooked and used as Spinach. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 15 cts.; 1 lb., 50 cts.

For Sugar Beet and Mangel Wurzel, see Farm Seed Pages 38 and 39.

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 10th 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 1,600 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., 25 cts.; ½ oz., $1.35; oz., $2.50; ¼ lb., $7.50.

Henderson’s Early Snowball. This very superior strain is noted for producing early plants of dwarf habit, short, compact growth, and uniform shape. It is extremely hardy and one of the surest to make a solid head. Pkt., 25 cts.; ½ oz., $1.25; oz., $2.25; ¼ lb., $7.00.

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 brazen head, of snowy whiteness tender and of delightful flavor. Pkt., 20 cts.; ½ oz., $1.35; oz., $2.50; ¼ lb., $8.00.

Early London. Where extreme earliness is not essential this will be found one of the best. Pkt., 5 cts.; ¼ oz., $1.75; oz., $3.50; ¼ lb., $8.50.


We deliver all Seeds offered on this page free at prices quoted to any Postoffice in the United States.
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; firm 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., 25 cts.; ¼ lb., 75 cts.; lb., $2.75.


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.

Early Summer. Comes in about ten days later than Wakedale, having much larger heads. Unexcelled for market garden and good for home use. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 60 cts.; lb., $2.00.

Jacob Giefer, Iowa. March 1st, 1901. Wernich’s Cabbage Seed cannot be beat.

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.


At prices quoted we deliver all Seeds offered on this page free to any Post Office 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 2,000 plants. Four ounces grow enough plants to set an acre.

Early Varieties.

Wernich’s Three “E” or Extra Early Eureka. See Novelties, Page 2.

WERNICH’S EARLIEST OF ALL.

Heads the latest as the earliest Cabbage in cultivation, maturing in from 80 to 85 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., 10 cts.; ¼ lb., 40 cts.; lb., 15 cts.

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. Is 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.


PAGE 11
WERNICH SEED CO., MILWAUKEE, WIS.

EARLIEST OF ALL.

See Novelties, Page 2.
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 extremely hard, solid head, which gives it superior keeping qualities. The heads are nearly round, almost as deep as they are wide. Color, blue green. The hard heads keep excellently when buried and present an attractive appearance when offered in the spring market. It has been thoroughly tested and may be relied upon to meet every claim made for it. Pkt., 5c; oz., 30c; ¼ lb., $1.00; 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., 30c; oz., 20 cts; ½ lb., 60 cts; 1 lb., $2.00.

Large Late Drumhead.

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

Selected Premium Flat Dutch.

A low growing variety, having 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 and we consider it superior to any other strain of Flat Dutch Cabbage on the market. Large pkt., 5 cts; oz., 15 cts; ¼ lb., 50 cts; lb., $1.75.

Luxemburg.

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. A strong grower, tree united view of top of head. One of the most profitable to grow, gardeners invariably realize high prices for this variety. Pkt., 10 cts; oz., 25 cts; ¼ lb., 90 cts; lb., $2.50.

All Seasons.

Much grown by market gardeners and is also an excellent variety for home use. Remarkable for its ability to stand hot sun and dry weather. Makes solid, hard heads of large size. It is both an early and late variety, and is most appropriately named. Pkt., 5 cts; oz., 20 cts; ¼ lb., 60 cts; lb., $2.00.

RED LEAVED CABBAGES.

Early Blood-Red Erfurt. Earlier and smaller than the large red; valuable for pickling. Pkt., 5 cts; oz., 15 cts; ¼ lb., 50 cts; lb., $1.75.

Large Red Dutch. By far the best, largest and surest 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; 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., 10 cts; oz., 25 cts; ¼ lb., 75 cts; 1 lb., $2.50.

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; lb., $1.75.

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

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


The Carrot, like other root crops, does best in a well-drained 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.

Wernich's Improved Danvers. For description see Novelties Page 2.


½ lb., 25 cts.; 1 lb., 75 cts.


Chantenay. Resembles the Halflong in appearance, but larger. Pkt., 5c.; oz., 10c.; ½ lb., 25c.; lb., 50c.

Oxheart or Guerande. Short thick roots, sometimes measuring more in width than in length. Pkt., 5c.; oz., 10c.; ½ lb., 25c.; lb., 50c.


Long White Belgian. Very large and mostly used for stock. Pkt., 3c.; oz., 10c.; ½ lb., 20c.; 1 lb., 50c.

Maxicelone. Largest in size, largest in yield. Often measures 15 to 20 inches in circumference. Not recommended for table use but is an excellent Carrot for feeding stock. Pkt., 3c.; oz., 10c.; ½ lb., 30c.; 1 lb., 90c.

CELERY.


Little of the seed is now sown in hot-heds, but is sown in a cold frame, or even out in open air, early in April, and in June and July is transplanted where it is intended to mature. The young plants, before transplanting, should be clipped down partially two or three times to promote root growth. On the ground, previously thoroughly enriched and cultivated, lay out lines three feet apart on the surface, not in trenches, as used to be planted. Set the plants in these rows about six inches apart. Cultivate frequently until the middle of August.

White Plume. Unlike most varieties, this one does not require to be earthed up, but if only loosely tied, a few handfuls of earth brought close together, all the inner leaves or thin stalks will turn white. Pkt., 3c.; oz., 10c.; ½ lb., 20c.; 1 lb., 50c.

Pink Plume. Resembles the White Plume, excepting that the stalks are tinged with pink. Pkt., 5c.; oz., 25c.; ½ lb., 40c.; 1 lb., 85c.

Golden Self-Blanching. Like the White Plume, this Celery requires very little earthing up, and in many other respects it is similar to that favorite sort, differing, however, in color, which is yellowish, the heart being large and solid and of a golden hue. Pkt., 5c.; oz., 25c.; ½ lb., 40c.; 1 lb., 85c.


CELERIAC.

or Turnip Rooted Celery.

German—Kohlen-Sellerie. French—Celeriac-Rave.

Spanish—Apio-Napo.

A variety of celery having turnip-shaped roots, which, when cooked, sliced and used with vinegar, makes an excellent salad. It is more hardy and may be treated same as Celery.


Large Smooth Prague. Extra Select. In our extra select stock we claim to have got the finest strain of Root Celery It is possible to produce. The bulbs are globe-shaped, large, smooth, and are entirely free from side roots. Pkt., 5 cts.; oz., 25 cts.; ½ lb., 75 cts.; 1 lb., 2.50.
SWEET CORN.


For Field Corn, see pages 30, 31 and 32. Farm Seeds Department.

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 and the variety dwarf, the distance apart may be lessened. 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, one hill to each hill.

Fist of All. Corn is ready for the table from three days to a week earlier than the Cory, making it very desirable not only for family gardens, but extremely valuable to grow for market, where the earliest corn always brings by far the highest prices. The ears range are of medium size, well filled with kernels, and the ears are smooth. Many of the ears contain ten or twelve rows. In habit of growth it is rather dwarfer than the Cory, although similar in appearance, but superior in quality, tender and sweet. Prepaid, pkt., 5c; pt., 25c; qt., 50c; not prepaid, pt., 15c; qt., 20c; peck, $1.00; bu., $2.50.

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 give a crop when raised in other sorts fail. Prepaid, pkt., 5c; pt., 15c; qt., 25c; not prepaid, pt., 15c; qt., 25c; peck, 85c; bu., $3.00.

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 sort to grow for early market. Prepaid, pkt., 5c; pt., 15c; qt., 25c; not prepaid, pt., 15c; qt., 25c; peck, 85c; bu., $3.00.

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., 20c; qt., 30c; not prepaid, pt., 15c; qt., 20c; peck, 85c; bu., $3.00.

Perry's Hybrid. Nearly as early as Minnesota, with larger ears, twelve to fourteen rowed, averaging two ears to a stalk. Kernels large, cooking white and tender. Prepaid, pkt., 5c; pt., 20c; qt., 30c; not prepaid, pt., 15c; qt., 25c; peck, 85c; bu., $3.00.

Chicago Market. It has many good points to commend it, chief among which are earliness, large size, fine appearance (being well formed), great productiveness, two or three ears on a stalk, and, in many respects, is as good as or better than the Cory or stocky grower, and is equally valuable for the home gardener and the trucker. Prepaid, pkt., 5c; pt., 20c; qt., 30c; not prepaid, pt., 15c; qt., 25c; peck, 85c; bu., $3.00.

Concord. Of strong growth, ears large and well filled; medium late. Prepaid, pkt., 5c; pt., 15c; qt., 25c; not prepaid, pt., 10c; qt., 15c; peck, 85c; bu., $3.00.

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, one of the best of the stalks bearing three or four ears. Prepaid, pkt., 5c; pt., 20c; qt., 30c; not prepaid, pt., 15c; qt., 20c; peck, 85c; bu., $3.00.

Stowell's Evergreen. A favorite with gardeners and eaters. Planted at the same time with earlier kinds it will keep the table long. Prepaid, pkt., 5c; pt., 15c; qt., 25c; not prepaid, pt., 15c; qt., 20c; peck, 85c; bu., $3.00.

Mammoth Sugar. Ripens a little later than the Evergreen. Large ears. Kernels flat. Largely used by canners and market gardeners. Prepaid, pkt., 5c; pt., 20c; qt., 30c; not prepaid, pt., 15c; qt., 20c; peck, 85c; bu., $3.00.

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., 20c; qt., 30c; not prepaid, pt., 15c; qt., 20c; peck, 85c; bu., $3.00.

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CHERVIL.

French—Cerfeuil. German—Gartenkerbel. Curled. The young leaves 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; ¼ lb., 25c; 1 lb., 50c.

CHICORY.

German—Cichorienwurzel. French—Cicore Sauvage. Spanish—Achicoria. 1 ounce for 100 feet of drill. The roots dug in the fall or spring, cut into thin slices, roasted and ground, are used largely as a substitute for coffee. Seed should be sown thinly in shallow drills early in the spring. When well started thin out to stand two or three inches apart and given good cultivation, so that the roots may grow and be valuable. Large-rooted or Coffee. The standard. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

CHIVES.

The tops appear very early in the spring and can be harvested throughout the season. Every garden should contain a few clumps. By some considered indispensable for soups. Pkt., 5c; ¼ oz., 25c; oz., 40c.

CHICORY.

German—Cichorienwurzel. French—Cicore Sauvage. Spanish—Achicoria. 1 ounce for 100 feet of drill. The roots dug in the fall or spring, cut into thin slices, roasted and ground, are used largely as a substitute for coffee. Seed should be sown thinly in shallow drills early in the spring. When well started thin out to stand two or three inches apart and given good cultivation, so that the roots may grow and be valuable. Large-rooted or Coffee. The standard. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

CORN SALAD OR LETTUCE.

German—Stecksalat. French—Mache. Spanish—Macha o Valerianilla. 1 ounce to 35 feet of row. It is used during the winter and early spring as a substitute for lettuce. Seeds may be sown in August or September, in shallow drills and protected in cold sections by leaves or straw during the winter. Cultivate as lettuce. Large Leaved. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

Plants in hills four feet apart, in well prepared, warm, rich loamy soil. Mix a shoefull 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 10 acres, in hills.

Cumberland. See Novelties, page .

**CUCUMBERS.**

**CHICAGO PICKLING.**


Plants in hills four feet apart, in well prepared, warm, rich loamy soil. Mix a shoefull 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 10 acres, in hills.

**Giant Pera.** Flesh clear white and very crisp. Pkt., $1.45; oz., 20 cts.; % lb., 40 cts.; 1 lb., $2.00.

**Japanese Climbing.** Grows for frame or ground. Can also be trailed and makes nice shade when trained on verandas. Pkt., 5 cts.; oz., 20 cts.; % lb., 50 cts.

**New Goliath.** Grows enormously large, from 20 to 25 inches and larger. Grows equally well in frame or outdoors. Everyone should try them. Pkt., 5 cts.; oz., 20 cts.; % lb., 50 cts.

**African Horned.** A climbing variety. One hill will produce enough vines to cover a space 10 feet square. The fruit when ripe is 4 inches in length, is thickly studded with prickly points. Fruit when very young makes good pickles. Pkt., 10 cts.; % for 25 cts.

**English Cucumbers for Frames.**

The following are for growing in hot-houses or houses particularly constructed, so that a supply can be furnished during the winter months, at which time the prices are very remunerative. Seed sows in October, November or December, according to the time they are wanted.

**Model Forcing.** Most excellent sort. Pkt., 25 cts.


**CRESS OR PEPPER GRASS.**

**EGG PLANT.**


Sow in a hot-bed the first week in March, and plant out in June, about 2½ feet apart. A few seeds may be raised in common flower-pots in the house. One ounce will run 100 feet of drill.

**Improved New York Spinless.** Very large and smooth, fine dark color. Pkt., 5 cts.; oz., 35 cts.; % lb., 75 cts.; 1 lb., $1.00.

**Purple Perfection Thornless.** A favorite sort amongst market Gardeners. Very prolific. Pkt., 5 cts.; oz., 80 cts.; % lb., 75 cts.; 1 lb., $2.75.

We deliver all seeds offered on this page free at prices quoted to any Post Office in the United States.
LETTUCE.


If wanted for early spring use, sow in a 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, to rows eighteen inches apart, and eight to ten inches in the rows. For a later supply, plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance. If sown outside to be cut young, sow thickly in drills or broadcast; but if fine, strong heads are desired, sow in drills one-fourth inch deep, eighteen inches apart, and thin, rather than of seed makes 2,000 plants.

**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.; ½ lb., $1.00.

**St. Louis Butter.** This is a great favorite with Chicago gardeners, owing to its solidly, crispiness 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., 30 cts.; lb., $1.00.

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

**St. Louis Forecing.** 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. 20 cts.; ¼ lb., 50 cts.; lb., $1.50.

**Hannover.** Heads very large, solid, tender, crisp and of fine flavor. It stands the hot sun and drought. Pkt. 5 cts.; oz. 15 cts.; ¼ lb., 30 cts.; lb., $1.00.

**Yellow 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. 15 cts.; ¼ lb., 30 cts.; lb., $1.20.

**Stubbornhead.** Solid heads, crisp and hairy. Pkt. 5 cts.; oz. 10 cts.; ¼ lb., 30 cts.; lb., $1.00.

Wernich’s Private Stock. See Novelties, Page 2.

MANGO MELON.

(vegetable Pine Peach)

They are excellent for preserves or swift pickles, and when fully ripe, are considered a delicacy sliced raw and served with sugar. Pkt. 5 cts.; oz. 15 cts.; ¼ lb., 40 cts.; lb., $1.25.

GARDEN LEMON.

Resembles Vine Peach, only smaller. Used for pickling. Also a good food for hops, tending to keep them in a healthy condition. Pkt. 10 cts.; 3 for 25 cts.
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. Hoe often and thoroughly. If extra large melons are desired for exhibition purposes, leave out one or two melons on a vine. Plant in hills eight to ten feet apart each way, with a showyflel of well-rooted mureture mixed with the soil in the hill. Plait eight or ten seeds in each hill, and finally, when danger of 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 hard; the flesh is deep red in color, clear to the rind, and is most sweet and delicate in flavor. It is exceedingly brittle, and hence cannot be shipped to distant markets, but is most desirable for the home garden. Melons from Aug 7th or 8th to Sept 1st. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 35 cts.


The Dixie. A watermelon whose name and fame are known the country over. It is conceded to be the best shipper and keeper grown. It is large, ten days earlier, more handsome and finer appearance than Kohl's Gem. Skin dark green, striped, flesh bright deep scarlet, sweet, tender and juicy. A most valuable cropper. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 20 cts.; ½ lb., 50 cts.


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., 35 cts.; lb., $1.25.


LONG YELLOW CANTALOPE. Yellowish flesh; very hardy and adapted for the north. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 30 cts.; lb., 90c.


MAMMOTH IRON.

A monstrous, striped, oblong melon, having a ring of such remarkable strength and impenetrability 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. It bears well even when placed level or left upon the vines, they remain perfectly fresh nearly one month after ripening. In addition to the foregoing facts it is the most remarkable yielder on record. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.


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. Per-menting 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 lake warm water.

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


MUSHROOMS.

German—Saftl. French—Moutarde. Spanish—Mostazoa. 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—good young; seed, light yellow. Pkt., 5 cts.; oz., 10 cts.; % lb., 15 cts.; 1 lb., 50 cts.


PARSNIPS.

German—Pastinake. French—Panais. Spanish—Chirlivia. Cultivate as for Carrots. It is customary to leave Parsnips in the ground over winter as frost improves the quality of the roots. The Parsnip is valuable not only as a table vegetable but for stock feeding purposes also.

PARSLEY.


Sow early in Spring half an inch deep, previous, 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.; % lb., 20 cts.; 1 lb., 50 cts.

Hamburg or Turnip Rooted. A fleshy, rooted kind: the roots are used for flavoring soups. Pkt., 3 cts.; oz., 10 cts.; % lb., 20 cts.; 1 lb., 60 cts.

OKRA OR GUMBO.

German—Safran. French—Gombaud. Spanish—Gombo. The pods, when young, are used in soups, stew, etc., and are very nutritious. Sow at the usual time of all tender vegetables, and set the plants from two to three feet apart in drills.


PUMPKINS.

German—Klein. French—Poton. Spanish—Calaba Zotaucra. 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.


Large Cheese. Flat, and one of the best varieties for family use. Pkt., 3 cts.; oz., 10 cts.; % lb., 20 cts.; 1 lb., 50 cts.


WERNICH’S MAMMOTH PUMPKIN.
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 manure 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.

**SOME NEW SORTS OF HIGH MERIT.**

**Austrian Brown.** An extra early, longkeeping, 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; ½ lb., 35c; 1 lb., $1.10.

**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 carminess, 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; ½ 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; ½ lb., $1.00; 1 lb., $3.00.

**Giant Yellow Zittau.** 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; ½ lb., 60c; 1 lb., $2.00.

**White Portugal.** 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; ½ 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; ½ lb., 35c; 1 lb., $1.00.

**Round Yellow Danvers.** Same as the preceding, but flatter; ripens early, is of good size and flavor. Unexcelled as a keeper. Pkt., 5c; oz., 10c; ½ lb., 35c; 1 lb., $1.00.

**Extra Early Flat Red.** A medium sized variety, producing abundantly and earlier than Red Wethersfield, ripening into use about two weeks Pkt., 5c; oz., 15c; ½ lb., 40c; 1 lb., $1.40.

**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; ½ lb., 35c; 1 lb., $1.10.

**Yellow Strasbourg.** One of the best keeping sorts. Bulb flat, skin dark yellow, flesh white, solid and mild flavored. Pkt., 5c; oz., 15c; ½ lb., 35c; 1 lb., $1.15.

**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., 25c; ½ lb., 75c; 1 lb., $2.25.

**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 that the flat types. Pkt., 5c; oz., 15c; ½ lb., 50c; 1 lb., $1.60.
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¢; oz., 15c; 1 lb., 40¢; lb., $1.50.

BERMUDA ONIONS.

BERTHA SUMMER 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¢; oz., 20¢; 1 lb., 60¢; lb., $2.00.

BERMUDA RED. Same as Bermuda White, except in color, which is red. Pkt., 5¢; oz., 20¢; 1 lb., 60¢; lb., $2.00.

ITALIAN ONIONS.

White Mammoth Silver King. Early and productive: skin and flesh white. Bulbs sometimes weight 3 lbs. and over. Pkt., 5¢; oz., 25¢; 1 lb., 65¢; lb., $2.00.

Red Mammoth Pompeii. Rapid grower and very large, single specimens often weighing 4 lbs. Pkt., 5¢; oz., 20¢; 1 lb., 60¢; lb., $1.75.

White Pearl. Extra early: a splendid Italian Onion of mild flavor: flesh and skin pure white. Good keeper. This onion has won first premium at all fairs whenever shown. Our strain is particularly fine. Pkt., 5¢; oz., 20¢; 1 lb., 60¢; lb., $2.00.

PICKLING VARIETIES.

White Queen. Bulbs small flat, pure white and of mild flavor. Pkt., 5¢; oz., 25¢; 1 lb., 75¢; lb., $2.25; 5 lbs., $10.75.

White Silverskin. For bunching or pickling. Pkt., 5¢; oz., 25¢; 1 lb., 75¢; lb., $2.25; 5 lbs., $10.75.

ONION SETS.

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 reseed in the spring to make large Onions.

Yellow Bottom Sets. Prepaid, pt., 15c; qt., 25c; Not prepaid, pt., 10c; qt., 15c; peck, 50c; bu., $2.50.


Winter Egyptian, or Perennial Tree. When once set out they grow for years without protection or care, except in keeping down the weeds. It is mild-flavored, sweet and tender. They form no large bulbs, but divide and grow as many as fifteen or twenty small onions in a bunch. Desirable for family use, and very profitable for market gardeners. Prepaid, pt., 15c; qt., 25c. Not prepaid, pt., 10c; qt., 15c; peck, 50c; bu., $2.75.

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., 25c; Not prepaid, pt., 10c; qt., 15c; 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., $3.50.

Yellow Shallots. Prepaid, pt., 25c; qt., 40c; Not prepaid, pt., 20c; qt., 30c; peck, $1.00; bu., $3.50.
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. Discourage 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 on the earth about the roots, it will be 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 to cut the frost in. They should be set either in rows or in rows one foot apart, and the taller sorts from two or three feet apart.

One quart to 75 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 mealy.
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 recognized as a leader. Every gardener should do well to make a planting of Gradus. Prepaid, pkt. 10c; pt., 40c; qt., 75c; not prepaid, pt., 30c; qt., 50c; peck, $1.00; bu., $4.00.

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. Plants 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 in July. Prepaid, pkt., 5c; pt., 30c; qt., 45c; not prepaid, pt., 20c; qt., 30c; pk., $1.25; bu., $6.00.

*McLean’s Little Gem. Eighteen inches. A few days later than “First and Best.” Maturns in eight weeks. When in a green state the peas are sweet and delicious. Prepaid, pkt., 5c; pt., 30c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $1.50; 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., 25c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $2.50; bu., $7.75.

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


*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 as soon, 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 square and chunky, always containing from five to seven large Peas that are closely together in the pods that the Peas are always more round than square. 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 Excelsior Pea. Our Stock is “True.” Prepaid, pkt., 5c; pt., 25c; qt., 45c. Not prepaid, pt., 20c; qt., 30c; pk., $2.00; bu., $7.50.

WERNICH SEED CO., MILWAUKEE, WIS.

AT PREPAID PRICES
WE DELIVER
ALL PEAS OFFERED
FREE TO ANY
POSTOFFICE
IN THE
UNITED
STATES.
SECOND EARLY VARIETIES.

*Heroina. A new medium early, green wrinkled Pea, of very superior quality. It grows to a uniform height of 3½ feet, bearing very large, well-filled pods in great profusion. This is without doubt the best of the Second Early Peas. Prepaid, pkt., 5¢; pt., 30¢; qt., 45¢. Not prepaid, pt., 20¢; qt., 30¢; pk., $1.50; bu., $6.00.


SUGAR VARIETIES. Edible Pods.


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

MAIN CROP VARIETIES.

*Telephone.

Immense pods, well filled with large Peas of a rich sugary flavor. The best of all the main crop peas.

The vines grow to about 4 feet in height, and are enormously productive, producing in great profusion large well filled pods. We have a very finely selected stock of this favorite pea. Prepaid, pkt., 5¢; pt., 30¢; qt., 45¢. Not prepaid, pt., 20¢; qt., 30¢; peck, $1.75; bu., $6.50.

*Improved Stratagem. A great improvement on the old Stratagem, which of late years has been going steadily back in quality. Height, 12 inches. In this improved stock we have a late Pea of medium height, a heavy cropper producing large, dark green, showy pods, well filled with peas of a superior quality. A grand market gardener's pea. Prepaid, pkt., 5¢; pt., 30¢; qt., 45¢. Not prepaid, pt., 20¢; qt., 30¢; peck, $1.75; bu., $6.25.


Dwarf White Marrow. Height, 18 inches. Prepaid, pkt., 5¢; pt., 18¢; qt., 30¢. Not prepaid, pt., 15¢; qt., 15¢; peck, 45¢; bu., $2.75.

Large White Marrowfat. A heavy yieldeer. Height, 4 feet. Prepaid, pkt., 5¢; pt., 18¢; qt., 30¢. Not prepaid, pt., 10¢; qt., 15¢; peck, 75¢; bu., $2.75.

RADISHES.


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 so as to allow the young plants to make good growth. 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,
about 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 August, and
lifted before severe frost and stored in the cellar.

Wernich’s Early Erfurt. See Novelties, page 3.

Early Scarlet Turnip, White Tipped. Very early; color bright scarlet, tipped with white; an ex-

cellent market variety; fine for forcing and out doors. Pkt. 3c; oz., 10c; ¼ lb., 25c; lb., 75c.

Scarlet Olive Shaped. Ripen in 25 days. A good marketing Radish and one that sells on sight on account of its fine shape, and bright red color. Pkt. 3c; oz., 10c; ¼ lb., 20c; lb., 40c.

Long Scarlet Short Top. Has a short and compact top. In shape it is somewhat shorter and thicker. Its upper portion is of unusually deep, brilliant red, which
gradually shades to a deep, waxy pink towards the end. Pkt. 3c; oz., 10c; ¼ lb., 20c; lb., 60c.

White Summer. Very large and round in Gray Summer Turnip. Very good variety for field
Golden Summer Turnip. Smooth and bright yellow. Pkt. 3c; oz., 10c; ¼ lb., 20c; lb., 60c.

French Breakfast. Skin scarlet on the body and white
at the extremity; flesh white, tender and mild. Of rapid
growth. Pkt. 3c; oz., 10c; ¼ lb., 20c; lb., 40c.

Japanese Long White. Flesh pure white and crisp.
Pkt. 3c; oz., 10c; ¼ lb., 20c; lb., 75c.

Stuttgart White Mammoth. Very early and very large. Pkt. 3c; oz., 10c; ¼ lb., 20c; lb., 60c.

California White Mammoth. A very large winter variety. Pkt. 3c; oz., 10c; ¼ lb., 20c; lb., 60c.

China Winter. A fine and salable variety. Pkt. 3c; oz., 10c; ¼ lb., 20c; lb., 60c.

Round Black Spanish. A fine winter sort. Pkt. 3c; oz., 10c; ¼ lb., 20c; lb., 60c.

Long Black Spanish. The popular winter sort. Pkt.
3c; oz., 10c; ¼ lb., 20c; lb., 50c.

RHUBARB.

Pie Plant—Wine Plant.


A deep, rich soil is best for Rubarb. Sow early in drills eighteen inches apart and one inch deep; the spring
flowers should be unplucked, allowing each plant at least two feet square; each fall mulch with manure. One ounce
makes about 600 plants.

Linnæus. Very early, large and crisp. Pkt. 5c; oz., 10c; ¼ lb., 35c; lb., $1.25.

Victoria. Large and later than Linnæus. Pkt. 5c; oz., 10c; ¼ lb., 50c; lb., $1.50.

SALSIFY OR OYSTER PLANT.

German—Röschber, French—Salsif. Spanish—Salsifl Blanco.

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 drills.

Large White. Very thick and smooth. Pkt. 3c; oz., 10c; ¼ lb., 30c; lb., $1.00.

Mammoth Sandwich Islands. Large and superior. Pkt. 2c; oz., 15c; ½ lb., 40c; lb., $1.40.

SCORZONERA, OR BLACK OYSTER PLANT.

Requires the same treatment as Salsify.

Black. Is prepared the same as Salsify for the table. Pkt. 5c; oz., 20c; ¼ lb., 65c; lb., $2.25.

SEA-KALE.


Sow in spring in drills eighteen inches apart, in a rich soil, and thin tender and mild qualities should be
kept up to a depth of eight inches. Sow early 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 drills.

Sea Kale. Pkt. 10c; oz., 50c; ¼ lb., $1.00; lb., $3.00.

SORREL.


Sow in spring in drills eighteen inches apart, in a rich soil, and thin tender and mild qualities should be
kept up to a depth of eight inches. Sow early 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 drills.

Broad-leaved. Extensively used among the Germans. Pkt. 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

Remember, we pay the Postage on all Seeds offered on this page.
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 on 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.

Bloomdale or Savoy Leaved. Of upright growth, leaves are curled and crimped, thick and fleshy. Keeps well after cutting. Suitable for fall sowing. Pkt., 3c; oz., 10c; ¼ lb., 15c; lb., 35c.

Round Leaf. The main market sort; equally good for spring or fall sowing. Pkt., 3c; oz., 10c; ¼ lb., 15c; lb., 35c.

Round Thick-Leaved. A decided improvement over the Round Leaf, thicker leaved and very tender. The best all-round sort either for the home, garden or market-grocery. Pkt., 3c; oz., 10c; ¼ lb., 15c; lb., 40c.

Long Standing. (Late Seeding.) Especially desirable from the fact that it is much later in the market than many of the varieties. Pkt., 3c; oz., 10c; ¼ lb., 15c; lb., 40c.

SQUASH.

Squashes should not be planted until danger from frost is passed, 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. Snails and slugs are the principal enemies. 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., 15c; ½ lb., 25c; 1 lb., 50c.

White Bush. Very early; a favorite market sort. Pkt., 5c; oz., 15c; ½ lb., 25c; 1 lb., 50c.


Champion. Early, large and in the market before others. Pkt., 5c; oz., 15c; ½ lb., 25c; 1 lb., 50c.

Delicata. The earliest and most prolific of the vine Squashes. Can also be sown for winter. Although small size, the flesh is wonderfully solid, with a small seed cavity. It cooks dry, and in richness of flavor is far superior to many of the other varieties. Pkt., 5c; oz., 15c; ½ lb., 25c; 1 lb., 50c.

WINTER VARIETIES.

Boston Marrow. Oval, bright orange, flesh yellow. Pkt., 5c; oz., 15c; ½ lb., 25c; 1 lb., 50c.

Prolific Marrow. A valuable and prolific sort. Pkt., 5c; oz., 15c; ½ lb., 25c; 1 lb., 50c.

Bay State. Hard shell, for fall and winter. Pkt., 5c; oz., 15c; ½ lb., 25c; 1 lb., 50c.

Hamshank. A late sort of superior quality. Pkt., 5c; oz., 15c; £ lb., 40c; 1 lb., $1.25.

Mammoth Chill. Enormous size, of a rich yellow color. Pkt., 5c; oz., 25c; ½ lb., 50c; 1 lb., $1.65.

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. About the middle of May the plants may be set in the open ground; they are planted for early crops on light sandy soil, at a distance of about a foot apart. Hills in which a good showel of rotten manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted four feet apart. When transplanted, and sheltered from the sun for a few days until the plants are established. One ounce will produce about 2,000 plants.


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 the warm weather than any other large tomato. Unsurpassed 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 seeds are comparatively small. The leaves are of a rich, dark green color, and very luxuriant, indicating great constitutional vigor, and giving the plant facility 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., 10c; oz., 25c; ½ lb., 60c; 1 lb., $2.25.

Stone. The heaviest and most solid fruit of the large varieties. Pkt., 5c; oz., 20c; ½ lb., 60c; lb., $2.25.

Early Minnesota. Earliest of all, productive and of fine flavor. Pkt., 5c; oz., 20c; ½ lb., 75c; lb., $2.50.

Dwarf Champion. A purple fruited variety, bushes two feet high and stand erect. Sometimes called the French Tomato. Pkt., 5c; oz., 30c; ½ lb., $1.00; 1 lb., $3.00.

Ponderosa. A large sort, single specimens sometimes weighing 8 pounds and over. Pkt., 5c; oz., 30c; ½ lb., $1.00; 1 lb., $2.50.

Acme. A red medium sized tomato, oval form. Pkt., 5c; oz., 20c; ½ lb., 75c; 1 lb., $2.50.

Golden Trophy. The best yellow sort; early, large and solid. Pkt., 5c; oz., 25c; ½ lb., 75c; 1 lb., $2.50.

Livingstone’s Perfection. It is larger than the Acme and the earliest market sort. Pkt., 5c; oz., 20c; ½ lb., 60c; 1 lb., $2.00.

Livingstone’s Favorite. Large, perfect form, smooth skin, firm flesh. Pkt., 5c; oz., 20c; ½ lb., 50c; 1 lb., $1.50.

Yellow Plum. A small variety, extensively used for pickling. Pkt., 5c; oz., 20c; ½ lb., 60c; 1 lb., $2.00.

Strawberry or Winter Cherry. Excellent for pickling. It is a good size and free from having a shell outside of the meat, which affords extra protection. Pkt., 5c; oz., 20c; ½ lb., 60c; 1 lb., $2.00.
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 crops in spring; this out as for the early crop. One ounce will sow 150 feet drill. Two pounds will sow 1 acre in drills. One pound will sow 1/2 acre broadcast.

**Extra Early Purple Top Milan.** A splendid new strap-leaved variety that is ready for use fully two weeks earlier than the Purple Top Strap-leaved, 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 pure-white, solid, fine-grained and of the choicest quality. Pkt., 5 cts.; oz., 10 cts.; 1/2 lb., 20 cts.; 1 lb., 75 cts.

**Purple Top Strap Leaf.** Tops small, bulb mostly above ground, of medium size and flat. Skin white below the surface and clear, bright purple above. Flesh white, sugary and remarkably well flavored. Very early, hardy and prolific. Pkt., 5 cts.; oz., 10 cts.; 1/2 lb., 20 cts.; 1 lb., 50 cts.

**Purple Top White Globe.** The name of this most excellent variety affords for 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.; 1/2 lb., 15 cts.; 1 lb., 50 cts.

**White Six Weeks or Snow Ball.** Bulb of medium size and spherical. Skin white below, immature flesh, fine-grained, tender and sweet. Pkt., 5 cts.; oz., 10 cts.; 1/4 lb., 20 cts.; 1 lb., 50 cts.

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**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.

**Wernich’s Improved Purple Top.** Tops very small. Bulbs large, having few, if any, roots. Skin deep purple above, bright yellow underneath. Flesh golden yellow, of fine texture, sweet and of richest flavor. Very hardy, unusually productive, and a good keeper; the principal variety being desirable for table use and stock feeding. Pkt., 5 cts.; oz., 10 cts.; 1/4 lb., 20 cts.; 1 lb., 50 cts.


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**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., 25 cts.; 1 lb., 60 cts.; 1 lb., 85 cts.


**Sumatra.** This is a 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.

An assortment of choice pot and sweet herbs should be grown in every garden for flavoring soups, meats, etc. Many cooks and housewives still grow the simple medicinal herbs for home use. Herbs in general prefer a cool, moist soil, making their most rapid growth during the cool spring months. Seeds of those varieties, the leaves of which are used either in a dried or green state, especially the perennial varieties, should be sown the last of March or early April. If the soil is prepared by deep drills as early in the spring as the soil can be worked, the perennial varieties should be transplanted to regular beds or borders, setting plants twelve inches apart in the rows, and rows far enough apart to admit of easy cultivation. The annual varieties should also be sown early, making rows twelve to eighteen inches apart for those of which the leaves are dried and two feet apart for those raised for the ripened seed, such as Dill, Caraway, Coriander, etc. To preserve the varieties, of which the leaves are used, coming into flower, tied in small bundles and hung up to dry in a cool loft or shed. For the varieties producing aromatic seeds cut off the tops of seed-heads as soon as they are ripe; the stems should be cut close to the ground just when dry to prevent the seeds from falling to the ground.

Anise (Pimpinella anisum). Used for cordial, garnishing and flavoring; the seeds have an agreeable, aromatic taste. Pkt. 5 cts.; oz. 10 cts.; ½ lb., 30 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., 30 cts.; ½ lb., 90 cts.; lb., $3.00.

Basil, Sweet (Ocimum basilicum). The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 5 cts.; oz., 20 cts.; ½ lb., 60 cts.; lb., $2.00.

Borage (Borago officinalis). The leaves are used for flavoring, and the flowers furnish bee pasture; most easily grown in any waste place. Pkt., 5 cts.; oz., 15 cts.; ½ lb., 50 cts.; lb., $1.75.

Caraway (Carum carvi). Grown for the seeds, which are used extensively for the flavoring of bread, pastry, etc. Pkt., 5 cts.; oz., 10 cts.; ½ lb., 25 cts.; lb., 50 cts.

Catnip, or Catmint (Nepeta cataria). The leaves and young shoots are used for seasoning. It makes also a fine garden herb. Pkt., 5 cts.; oz., 40 cts.; ½ lb., 90 cts.; lb., $3.25.


Coriander (Coriandrum sativum). The seeds are used in the manufacture of liquors and confectionery. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 75 cts.

Dill (Anethum graveolens). The seeds have an aromatic odor and warm, pungent taste. They are used as a condiment, and also for pickling cucumbers. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 50 cts.

Fennel, Sweet (Foeniculum vulgare). The leaves boiled are used in fish sauces. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., $1.00.

Horseradish (Marrubium vulgare). The leaves are used for seasoning and also in the manufacture of the popular cough remedy. Pkt., 5 cts.; oz., 30 cts.; ½ lb., $1.00; lb., $3.00.

Hyssop (Hyssopus officinalis). A hardy perennial with an aromatic flavor, and warm, pungent taste. It is a stimulant and expectorant and is used in asthma and chronic catarh. The flowering summits and leaves are also used. It does best on dry, sandy soil. The plants should be thinned to 12 inches apart. Pkt., 5 cts.; oz., 30 cts.; ¼ lb., $1.00; lb., $3.00.

Sage (Salvia officinalis). A very useful and a hardy annual, growing about two feet high. It is used for the distillation of lavender water, or dried and used to perfume linen. 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.; ¼ lb., 60 cts.; lb., $2.00.

Majoram, Sweet (Origanum majorana). The leaves and the ends of the stems are esteemed for seasoning in summer, and also dried for winter use. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 40 cts.; lb., $1.35.

Pennyroyal (Mentha pulegium). The true Pennyroyal or Down. Pkt., 5 cts.; oz., 75 cts.; ¼ lb., $2.50; lb., $8.00.

Rosemary (Rosmarinus officinalis). The aromatic leaves are used for seasoning. Pkt., 5 cts.; oz., 20 cts.; ¼ lb., 75 cts.; lb., $2.85.

Rue (Ruta graveolens). For medicinal purposes; good for flavoring. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 50 cts.; lb., $1.75.

Saffron (Carranthus tinctorius). A hardy annual from Egypt. Cultivated for its flowers, which are used in dyeing, and to make the cosmetic powder called rouge. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 33 cts.; lb., $1.25.

Sage (Salvia officinalis). The most extensively used of all herbs for seasoning and dressing; indispensable. Pkt., 5 cts.; oz., 15 cts.; ¼ lb., 40 cts.; lb., $1.50.

Summer Savory (Satureja hortensis). The leaves and young shoots are used for seasoning. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 50 cts.; lb., $1.00.

Savory (Satureja officinalis). A hardy perennial and grows wild in many parts of this country. The leaves, when green, have a peculiar, aromatic odor which they lose in drying. Cultivated for its medicinal properties. Pkt., 5 cts.; oz., 30 cts.; ¼ 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 seasoning 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 Northern States give some protection during winter. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 50 cts.; lb., $1.25.

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., 20 cts.; ¼ lb., 60 cts.; lb., $2.25.

Wormwood (Artemisia absinthium). A perennial plant of strong and fragrant odor, and aromatic, but intensely bitter taste. The leaves are used as a tonic and vermi-ufuge and as a dressing for wounds. It is raised from seed and propagated by cuttings, or divided into the roots. A dry poor soil is best adapted to bring out the peculiar virtues of this plant. Pkt., 5 cts.; oz., 25 cts.; ¼ lb., 75 cts.; lb., $2.25.

Woodruff (Asperula odorata) Waldmeister. Must be grown in a cool and shady places. It is used mostly for making May-wine and for this purpose is in great demand. Pkt., 10 cts.; oz., 50 cts.; ¼ lb., $1.35; lb., $5.00.

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

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 ONLY BAVARIAN 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, COIN, ETC., to do so at a VERY SMALL EXPENSE.

BARLEY.

GENUINE BAVARIAN “HOFBRÄU” 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 bushels, which weighed 28 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 it appears nearly as heavy as wheat. It is a very hardy variety, and has come through the present wet season with scarcely any discoloration. Prepaid, 25 cts.; 5 lbs., $1.00. Not prepaid, peck, 60 cts.; bu., $1.75; 2½ bu., $4.00.

MANSHERY.


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., $5.50; 10 bu., $12.50.

SUCCESS OR BEARDLESS.

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 Beardless 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.; peck, 50 cts.; bu., $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 farmer 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-eminently the crop to grow for stock fattening. Prepaid, lb., 50 cts.; 5 lbs., $1.25. Not prepaid, pk., 60 cts.; bu., $1.85; 2½ bu., $4.25; 5 bu., $7.75; 10 bu., $11.90.

SEED RYE.

SWEDISH SPRING.

Used mainly as a catch crop when other winter crops fail. Rye is a cereal that is very little soon compared with other grains. We cannot see why the farmers don’t sow more. It always has a steady market price very seldom less than 35c 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., 49 cts.; bu., $1.85; 2½ bu., $3.25; 5 bu., $6.00; 10 bu., $10.50.

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 you with Fodder. If your winter wheat or other winter crops prove 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 a pasturage 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.

It will pay you to renew your Seed Oats this year by sowing some of our improved varieties and thus greatly increase your yield.
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. Space does not permit of going into details, but as a matter of fact the prices named above for the larger quantities represent but a slight advance over the 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 want 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 Pice 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.

PROBSTIER.

This variety has all the characteristics of the Saskatchewan Five Pice descended by careful selections. It excels in earliness, hardness, productiveness and freedom from smut and all diseases. Our Grower reports that Probstier will average 40 to 50 bu. per acre, "superior to the best varieties of the country". It is not prepayable, but can be ordered at $1.50 per bu., 5 lb., $1.00; 10 bu., $13.00.

VELVET CHAFF BLUE STEM.

Northern grown, Pedigree stock. A distinct variety from all other Blue Stems. The stem just below the head, when green, has a beautiful blue 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, 1 bu., 25 cts.; 5 lb., $1.00. Not prepaid, peck, 50 cts.; bu., $1.50; 2 1/2 bu., $3.40; 10 bu., $15.00.

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 lb., $1.25. Not prepaid, peck, 60 cts.; bu., $1.60; 2 1/2 bu., $4.50; 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 great 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 bu. of foreign Macaroni is imported annually solely because, being 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 labor and product will be saved to this country if the farmers and millers will 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 semiarid plains where heretofore the raising of wheat was almost an impossible task as 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 October 15th to December 1st. Prepaid, lb., 20 cts.; 4 lbs., 70 cts.; not prepaid, lb., 10 cts.; pk., 65c; bu., $2.25; 5 bu., $10.50.

EMMER OR SPELTZ.

"What is it?" Neither barley nor wheat, yet it resembles both, and outyields 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 stouter and a robust grower and will do as well on poor as it will on rich soil. Prepaid, 1 lb., 25 cts.; 5 lb., $1.00. Not prepaid, peck, 50 cts.; bu., $1.50; 2 1/2 bu., $3.50.
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."
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. Not prepaid, qt., 50 cts.; peck, 75 cts.; bu., $2.25; 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. Large, leafy stalks, large, large seeded ears, small red cobs, and long, deep grains. Give it a trial and be convinced. Prepaid, qt., 25 cts. Not prepaid, qt., 10 cts.; pk., 50 cts.; bu., $1.50; 5 bu., $7.00.

Pride of the North.
This is undoubtedly the best known of the early Yellow Dents. Ears 8 to 10 inches in length and 7½ 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 90% lbs. of shelled corn and only 2½ bu. of cobs, instead of 14 lbs., the usual proportion. Stalks about medium height, 6 to 8 feet. Prepaid, qt., 25 cts. Not prepaid, qt., 10 cts.; pk., 50 cts.; bu., $1.35; 5 bu., $6.75.

White Cap Yellow Dent.
This now famous 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 8 to 7 feet in height, with abundant foliage and fine large ears. The tip ends of the grain is yellow, making it of a 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., $6.75.

Early Mastodon.
The largest of all yellow Dent varieties, maturing in 100 days. In the celebrated American Agriculturist Corn Contest, Mastodon outyielded by far every other variety of Yellow Corn. 213 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., $6.75.

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. Prepaid, qt., 25 cts. Not prepaid, qt., 10 peck, 50 cts.; bu., $1.40; 5 bu., $6.75.

YELLOW FLINT VARIETIES.
Wernich's Ten Weeks.
We consider this the best strain of hard-grained, eight rowed yel- low Flint Corn in cultivation. Under favorable conditions, matures in about eighty days, and varieties not so productive as the varieties of 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., $1.65; 5 bu., $7.50.

Longfellow 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. Prepaid, qt., 25 cts. Not prepaid, qt., 10 cts.; pk., 50 cts.; bu., $1.55; 5 bu., $7.25.

Angel of Midnight.
Stalks are of medium size, ears 10 to 12 inches in length and rows even. Prepaid, qt., 30 cts. Not prepaid, qt., 15 cts.; pk., 60 cts.; bu., $1.55; 5 bu., $7.25.
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.

Adam's Extra Early.

Hardest 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. Sets ears fit to eat in 50 days. Prepaid, qt., 30 cts.; not prepaid, qt., 15 cts.; peck, 75 cts.; bu., $2.50; 5 bu., $10.00.

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 is 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 year 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., 25 cts. Not prepaid, qt., 20 cts.; pk., 75 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.


Connecticut White.

An eight-rowed white flint variety with ears from 15 to 18 inches long, 1 1/4 to 2 1/4 inches in diameter, and are well filled out to extreme end of cob. The cob is small and the kernels large and broad, ripens in 74 to 83 days. Has given excellent results in northern states. Excellent for ensilage and is often used here for replanting. Prepaid, qt., 25 cts. Not prepaid, qt., 10 cts.; pk., 50 cts.; bu., $1.50; 5 bu., $7.00.

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 greatest quantity is most valuable. It does not, however, yield as large crops as the preceding kind, but what it lacks in quantity makes up in quality. It does not grow very tall, but it is a free stover. Cattle eat it greedily, preferring it to all other kinds. Prepaid, qt., 25c. Not prepaid, qt., 15c; pk., 50c; bu., $1.50; 5 bu., $7.25.

RED COB ENSILAGE CORN.

A well-known Fodder Corn, producing enormous crops. More seed of this variety sold every year than of all other Fodder varieties put together. Prepaid, qt., 20c. Not prepaid, qt., 8c; pk., 25c; bu., 50c; 10 bu., $7.50.

PRIDE OF THE NORTH FODDER CORN.

Used extensively in all corn growing sections and considered the best early ripe Fodder Corn known. It stools freely and every stalk produces two to four ears. We sell this corn cheap. Prepaid, qt., 20c. Not prepaid, qt., 8c; pk., 50c; bu., 50c; 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 stools 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 160 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 3 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 78 bushels on half an acre. It makes the finest of stock food 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 ten-fold, a hundred-fold, a thousand-fold or ten thousand-fold, but it is a thousand-fold. In the field you can find hills grown from one kernel which bear from 20,000 to 40,000 kernels. Of course the entire crop will not average that, but it is wonderful, just think of it.
NORTHERN GROWN
SEED POTATOES
IT PAYS TO CHANGE SEED EVERY YEAR.

The necessity for changing Potato Seed often 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 8 bushels will seed an acre and at 25 cts. to 50 cts. per bushel additional cost the whole outlay would be $2.00 to $400, 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 become 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 other kind of equal value providing we cannot supply the sort you order.

EXTRA EARLY OHIO.
An old favorite and the standard extra early, maturing 2 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 Earlys. 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., $1.50; bbl., $3.75; 2 bbls., $7.25.

EARLY SUNRISE.
An old standard variety. Supply is limited. Peck, 50c; bu., $1.40; bbl., $3.90; 2 bbls., $6.75.

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, pk., 50c; bu., $1.50; bbl., $3.75; 2 bbls., $7.25.

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., $1.50; bbl., $3.75; 2 bbls., $7.25.

PRIDE OF THE SOUTH.
A white sort of the Extra Early Red Triumph. It is a strong, quick grower. In ripening the vines die down all at once, thus giving the blight which works down into the potatoes through the vine no chance to work. Prepaid, lb., 25c; 5 lbs., $1.00; not prepaid, pk., 50c; bu., $1.50; bbl., $3.75; 2 bbls., $7.25.
Our NEW POTATO "NORTHLIGHT"

A Splendid New Medium Late Potato for Main Crop.

OUR 1902 "INTRODUCTION."

Never before did we offer any Potato that met with such favor as this variety did, as the testimonials in our files will prove. A few of which we give here. We own the entire crop and have several hundred bushels to sell. Order Early.

DESCRIPTION.

Northlight is a late Potato, destined to become the most popular of the newer varieties, and certainly one of the most worthy. Yields great crops of even, fine, smooth, large Potatoes under the most unfavorable circumstances. The eyes are even with the surface, the skin a deep red and the flesh a clear white and very solid. This Potato will astonish old Potato Growers in its remarkable yields and fine qualities, and every person, who is ambitious to make the most money out of his crop cannot afford to let this year pass without obtaining Seed of our crop of Northlight Potatoes. Prepaid, lb., 30c; 5 lbs., 75c; not prepaid, pk., 50c; bu., $2.25; bbl., $4.75.

"Oom Paul" Potato.

In appearance it resembles the old "Thorburn" but is later and blooms more freely. Under favorable conditions it will yield on an average 9 pounds to a hill.

THIS MEANS AN AVERAGE CROP OF 750 BUSHELS TO THE ACRE, UNDER FAVORABLE CIRCUMSTANCES, "JUST THINK OF IT!"

The vines are vigorous, stout and erect; strong robust tops, with plentiful foliage of dark green leaves, withstands drought, extreme heat, and attacks of insects better than any other variety. Perfectly free of disease, such as scab or blight. The tubers are oblong, round form; eyes plentiful. Has a handsome appearance, color white, slightly tinged with pink. Flesh white and floury, cooks finely and quickly with a delicious flavor. Skin is firm and dry. Size large to very large. Medium late. Prepaid, lb., 25c; 5 lbs., $1.00; not prepaid, pk., 50c; bu., $1.50; bbl., $3.50; 2 bbls., $6.50.

ARKANSAS.

Paris, Texas.

Your Seed Potatoes can always be relied upon, drouth or no drouth.

IGNATZ FRITZ.

MISSOURI.

Hannaford, Mo.

Last years Seed Potatoes proved your Seed better than any I ever had.

C. VOIGT.

OREGON.

Milton, Oreg.

Potatoes bought of you have astonished my neighbors, which means more customers.

CHRIST HEILBERG.

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 the late varieties what Ohio's are to the Earli- lyes, viz., The standard mar- ket variety. Prepaid, lb., 25c; 5 lbs., $1.00; not prepaid, pk., 40c; bu., $1.25; bbl., $2.75; 2 bbls., $5.25.

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., $2.25; bbl., $3.50; 2 bbls., $6.25.
Root Crops

FOR FEEDING STOCK.

Root Crops for Stock Feeding cannot be overestimated. The results from their use are wonderful, as is clearly shown in the improved health and condition of animals increased yield of milk in cows, and great saving in hay.

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 the best hay. Crop of 1000 to 1500 bushels is nothing unusual. They will not only increase the yield of milk, but add largely to the health and general condition of all kinds of stock.

We have a large trade on 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. Undoubtedly your local merchant has seed that you can buy for 10 and 15 cts. a pound. We warn 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 30 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, ¼ lb. 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 keeper, yields 40 to 60 tons per acre.

Prepaid, oz., 5c, ¼ lb. 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 specialists of Europe. It is thought by many to be the most productive of all Mangels, and is exceedingly popular in those sections where it is best known. Firm, round, Skin is yellow and smooth; flesh white and very firm. Prepaid, oz., 5c, ¼ lb. 15c, lb. 45c; not prepaid, 1 lb. 35c, 5 lbs. $1.50, 10 lbs. $2.50.

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, ¼ lb. 15c, lb. 35c; not prepaid lb. 25c, 5 lbs. $1.10, 10 lbs. $2.50.

Leutowitz 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 sold: tops small. Roots attain a large size. Produce an immense bulk and tonnage. Prepaid, oz., 5c, ¼ lb. 15c, lb. 35c; not prepaid, lb. 25c, 5 lbs. $1.10, 10 lbs. $2.00.

Long Red.

The old Red Mangel. Prepaid, oz., 5c, ¼ lb. 10c, lb. 30c; not prepaid, 1 lb. 20c, 5 lbs. 85c, 10 lbs. $1.69.

TURNIPS AND 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, ¼ lb. 15c, lb. 50c; not prepaid, lb. 40c, 5 lbs. $1.90, 10 lbs. $3.50.

Pomeranian White Globe. The largest variety, very often obtaining a weight of 12 lbs. in rich soil, besides being very productive. Prepaid, pkg. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 45c; not prepaid, lb. 35c, 5 lbs. $1.45, 10 lbs. $2.80.

RUTABAGAS.

Wernich's Improved Purple Top. Yields heavily, good for either table or stock. Prepaid, pkg. 5c, oz. 10c, ¼ lb. 20c, lb. 55c; not prepaid, lb. 45c, 5 lbs. $2.10, 10 lbs. $4.80.

Yellow Swedish. A yellow variety. Cattle are fond of it. Prepaid, pkg. 5c, oz. 10c, ¼ lb. 20c, 1 lb. 50c; not prepaid, lb. 40c, 5 lbs. $1.50, 10 lbs. $3.50.

Sweet German. Productive and of the highest qualities. Prepaid, pkg. 5c, oz. 10c, ¼ lb. 20c, 1 lb. 50c; not prepaid, lb. 40c, 5 lbs. $1.50, 10 lbs. $3.50.
Root Crops.—Continued.

SUGAR BEETS.

Considering that we are the largest consumers of sugar in the world and our soil and climate are as favorable as any to the growth of the Sugar Beet, it is hardly thrifty for us to send abroad one million bushels annually to pay for sugar which we might produce so profitable at home.

Every farmer should therefore give attention to this subject and try small areas of sugar beet, and at the proper time send some of the roots to his nearest experiment station, which will be glad to analyze them without charge.

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

Improved Kleinwanzlebener. 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. "Pluto," the grower and originator of the Improved Kleinwanzlebener, is a well known grower and considered an expert, many of the leading Beet Sugar Refineries getting their seed from him. Prepaid, oz. 5c, 1/4 lb. 15c, lb. 40c; not prepaid, 1 lb. 30c, 5 lbs. $1.40, 10 lbs. $2.25, 100 lbs. $19.00.

Viromin. This beet is the result of thirty-five years of methodic and preserving selection. Its average yield may be stated as from 12 to 16 tons per acre. Prepaid, oz. 5c, 1/4 lb. 15c, lb. 45c; not prepaid, 1 lb. 30c, 5 lbs. $1.25, 10 lbs. $2.15, 100 lbs. $18.00.

PEANUTS.

Are eaten by hogs and poultry and the cattle rearers eat them extra finely and law. 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. 18c, qt. 20c; not prepaid, pt. 10c, qt. 15c, 5 qts. 60c, 18 qts. $1.60, 22 qts. $2.55.

J. Blum, Wisconsin, writes: Send Catalogue for 1906. Your Seeds have been more satisfactory than any I ever had. Want only Wernich's Seeds hereafter.

FIELD PUMPKINS.

Similar to other root crops in feeding value. Usually grown in corn or potato fields.

Wernich's Mammoth Giant. Good for table use or feeding stock. 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. $7.00; not prepaid, lb. $1.65, 5 lbs. $9.50.

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

CARROTS.

A well known stock raiser writes as follows regarding carrots for stock: "No one who feeds stock can afford to be without Carrots. I feed each year Mangel Wurzel and Rutabaga, and regard them very highly; but carrots I consider indispensable."

Mastodon. The Carrot for feeding stock. Grow to an enormous size. Yield tremendous crops. Prepaid, 1/4 lb. 30c, lb. 90c, 5 lbs. $3.25. Not prepaid, lb. 80c; 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. 50c; 5 lbs. $2.50. Not prepaid, lb. 55c; 5 lbs. $2.15.

Large White Belgian. This variety is amazingly productive, and nothing can equal them as a winter feed for milk cows. Prepaid, lb. 55c; 5 lbs. $2.50. Not prepaid, lb. 55c; 5 lbs. $2.00.

For other varieties see page 13, Vegetable Seed Dept.

ARTICHOKEs.

On good land, with same culture as corn, Artichokes 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 from the time frost is 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 also produce immense quantity of tops, of which cattle, horses and mules are very fond, and which makes excellent feed when properly cured. A chemical analysis of roots shows them to be superior to Carrots, Parsnips, Mangolds, Sugar Beets and Turnips, both as flesh and fat formers. Artichokes need planting but once, and little or no culture after the first year. Cut as potatoes, only smaller; plant in rows 3 1/2 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. 25c; 3 lbs. 60c. Not prepaid, pk. 50c; 1 bu. $1.50; bbl. $5.00; 10 bu. $13.50."
**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 plants are 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 nice hog pasture can be produced 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 of 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 blow 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 1/4 bu. Rye or Oats to furnish support for the vines. Prepaid per lb. 28c; not prepaid, lb., 15c; 5 lbs., 75c; 10 lbs., $1.30; 20 lbs., $2.75; 100 lbs., $9.50.

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**Fodder Mixture.**

Farmer, Dairyman or Stockraiser. 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 40 to 50 lbs. per acre. 1 lb., 10c; 5 lbs., 30c; 10 lbs., 50c; 25 lbs., $1.00; 50 lbs., $1.65; 100 lbs., $3.00.

**50 Lbs. to Bushel.**

Subject to Market Fluctuations.

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**MILLETS.**

Sacks Extra, 15c. Each.

**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; 5 lbs., 20c; 10 lbs., 40c; bu., $1.35; 100 lbs., $2.50.

**Common Millet.** Very early, grows 3 to 4 feet high. Prepaid, lb., 15c; not prepaid, lb., 5c; 5 lbs., 15c; 10 lbs., 25c; bu., 50c; $1.50.

**German or Golden Millet.** Matures about two weeks later than Common Millet, grows 2 to 3 feet high, seeds golden yellow. Prepaid, lb., 15c; not prepaid, lb., 5c; 5 lbs., 20c; 10 lbs., 30c; bu., $1.10; 100 lbs., $2.00.

**Wernich’s Fancy German or Golden Millet.** True Southern Grown German Millet Seed is far superior, both in quality and yield of product, to Western or Northern grown seed. The true Southern German Millet will grow in any climate or soil, and when properly grown and handled makes an enormous yield of most nutritious feed. To get these results, however, the seed must be sown thickly, not less than one bushel per acre, at any time between May 1st and July 15th, and the crop cut in eight to ten weeks, while it is in bloom, before the seed hardens in the head. Prepaid, lb., 15c; not prepaid, lb., 5c; 5 lbs., 20c; 10 lbs., 40c; bu., $1.35; 100 lbs., $2.50.

**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., 30c; 10 lbs., 50c; bu., 95c; 100 lbs., $5.00.

**Siberian or Russian Millet.** A new Millet from Russia. Earlier than German, but does not grow as tall. Its height is only 2 to 4 feet, but it is a remarkable stover and its fodder is eagerly eaten by all cattle. Prepaid, lb., 15c; not prepaid, lb., 5c; 5 lbs., 20c; 10 lbs., 40c; bu., (48 lbs.) $1.25; 100 lbs., $2.25.

**German Edible Millet.**—A variety used extensively in Germany for table use. The seed is mashed and cooked in milk. Prepaid, lb., 25c; not prepaid, lb., 18c; 10 lbs., $1.50.
WERNICH

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, 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 gain of 2800 lbs., or almost 5 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 9½ Tons of Forage or at the rate of 19½ 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., 25c; not prepaid, lb., 15c; 5 lbs., 50c; 10 lbs., 75c; 25 lbs., $1.75; 100 lbs., $6.50.

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.

TEDOSINTE "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 hilly enough apart to work. It wants plenty of sunshine and culture and look like an 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. There are unlimited possibilities for our annual fodder plant, Teosinte, and we know if you will give it a trial, that in will more than pay you another year. Just try and grow this for your hogs. You will be surprised how they will relish it, and what a tremendous amount of fodder and food you will get out of an acre for them. Prepaid, pkt., 10c; oz., 20c; 1/2 lb., 40c; lb., 80c; not prepaid, lb., 75c; 10 lbs., $7.00; 25 lbs., $13.00.

RED KAFFIR 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 sprouting at once from the roots, will still mature a full crop of grain and a second full crop of forage before the middle of September. 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., 80c; 100 lbs., $2.75.

A FEW TESTIMONIALS.


V. Y. Well, Belle Chester, Minn., writes: Your Seeds are tip top. E. Baumann, Winston, Mont., writes: Am well pleased with your Seeds.


Dear Sirs: I must get more Rape Seed from you. Can get some here but it does not do as well as yours. That bought of you is over 2 feet while that bought here and sown at the same time is only 6 to 8 inches high. "Order" follows.

F. J. KELLER. Cazenovia, Wis.
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 land." 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. 25c; 3 lbs., 65c; not prepaid, per lb., 15c; 5 lbs., 60c; 10 lbs., 35c; 25 lbs., $2.00; 100 lbs., $6.00.

PENCILLARIA.

For the Farmer. For the Stockman.

A new Fodder Plant of untold value. To the farmer, for its immense growth of hay. 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 a Hot-bed, or loam, in its 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 harvest fodder crop per acre of any plant now in cultivation. For 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 or 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 4½ 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., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 60c; 5 lb., $2.75. Prepaid.

AUSTRIAN SALT BUSH.

The great fodder plant, which has proven a boon to the stock raisers on our western prairies. In fact, it will be only a matter of time when thousands of acres of alkali lands will 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 plaster and sow broadcast, after which cover lightly with a brush narrow or roll lightly. Or the seed may be sown in a hot-bed, cold frames, seed boxes, or in a protected garden bed, and the seedlings transplanted when two inches high, seven to eight feet apart. If the weather is dry when planting, supply a little water to each plant. Prepaid, pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $1.90.

JAPANESE BARN YARD MILLET.

(Phanerocrus Gallii)

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 lower 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 sand and semi-arid regions of the west. It attains a height of 6 to 1½ 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 Crass 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 15 pounds per acre; (it stooks remarkably) or in drills 6 lbs. per acre. Will yield a crop in 6 to 9 weeks. Recommended by the United States Dept of Agriculture and all Experiment Stations. Prepaid, lb., 20c; not prepaid, lb., 10c; pk., 7c; bu., (62 lbs.) $2.50; 100 lbs., $6.00.
MISCELLANEOUS FORAGE AND FODDER PLANTS.

JAPANESE SOJA BEAN.

Originally brought from Japan by Prof. Brooks of the Michigan Agricultural Station, that it at once attracted the attention of scientists. It has been subjected to the most exhaustive trials to demonstrate its feeding value, and in no single instance has it won the most emphatic commendation. The U. S. Dept. of Agriculture Bulletin 88 says: They are probably the best known vegetable substance. There is no crop so easily grown that is so rich as the Soja Bean. Excepting the Peanut, there is no other vegetable that so quickly responds to the addition of manure. The actual feeding value of Soja's is two and one-half to three times that of the best corn. Soja hay has a higher feeding value than the best clover. As a soil renovator Soja's are not surpassed by any legume in existence. They withstand the extremes of heat, drought and wet weather, when corn and all other peas fail. Our Seed is grown especially for us in 44 deg. 12 min. north latitude from stock that has never been planted south of 42 deg. 30 min., under the supervision of our Japanese Barnyard Millet. Sow in drills 1½ inches deep, 3 inches apart, and 28 inches between the rows. The crop 1½ to 2½ feet high, will be if sown in drills. If broadcast for hay or forage sow 1 to 1½ bu. per acre. Never cultivate if leaves are wet.

Medium Early Green. A rank grower, stalks 2½ to 4 feet high, beans small. Best for ensilage. Prepaid, pt., 25c; qt., 40c. Not prepaid, pt., 50c; qt., 75c; peck, $1.25; bu., $4.50.

Extra Early Black. (Purple Blossom.) Grows 2½ to 3½ ft. high, beans large and round. Yield 50 bu. and over per acre. Prepaid, pt., 25c; qt., 40c. Not prepaid, pt., 50c; qt., 75c; peck, $1.50; bu., $4.00.

Ito San. (New.) Medium early. Stalks 2½ to 4 feet high, with a dense foliage. Beans small, yellow and flattened. Prepaid, pt., 25c; qt., 40c. Not prepaid, pt., 50c; qt., 75c; peck, $1.25; bu., $4.50.

Common Small Yellow. Also called and sold by certain Seedsmen as German Coffee Bean. Grows 1½ feet high, yellow and small beans. Not recommended for the northern states. Prepaid, pt., 20c; qt., 30c. Not prepaid, pt., 10c; qt., 20c; peck, $1.00; bu., $3.50.

VELVET BEAN, THE GREAT NITROGEN GATHERER.

A worthy rival of the Cow Pea.

This new and important forage plant is creating a great sensation throughout the Southern States, where it is supplanting the cow pea for cattle food and as a soil renovator. Its nitrogen-gathering properties are said to surpass those of any other plant. It is the earliest grower of any of the legumes; two or three seeds planted four feet apart in rows five feet apart will liter-

FORD PEAS.

For Dairy Cows and Hogs. "Equal to Corn and Six Weeks Earlier.

Can be sown separately in drill, or broadcast, 2 to 2½ bushels to the acre, or with Oats 1½ bushels to the acre. Cut and feed green, or for hogs alone, can be used as pasture. They have been grown by dairymen with very satisfactory results. Following Winter Rye, which was cut green in June for Dairy Cows, then stubble turned under and mixed Peas as a fertilizer they come next to Clover, to be prized under when they commence to blossom.

Canadian White. Prepaid, pt., 15c; qt., 25c. Not prepaid, pt., 50c; qt., 10c; pk., 50c; bu, $1.95; 2½ bu., $7.75.

Canadian Green. Prepaid, pt., 15c; qt., 25c. Not prepaid, pt., 50c; qt., 10c; pk., 50c; bu, $1.95; 2½ bu., $7.75.

Blue Persian. Prepaid, pt., 15c; qt., 25c. Not prepaid, pt., 50c; qt., 10c; pk., 50c; bu, $2.00; 2½ bu., $5.00.

French June. A new sort, seed of which was import-}

LATHYRUS SYLVESTRIS.

(FLAT PEA)

Once established, Lathyrus will stand for fifty years without reseeding. 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 drought and drout. It has double the feeding value of Alfalfa, a crop richer than Red Clover. It is rich enough for fattening either hogs or sheep without any grain. It will last fifty years without mowing and without reseeding, and will cut eight times a season. When established, a field of it will fatten hogs without any corn. The plants grow very little above ground the first year, but increase rapidly the second year. The second year the top thickens up, and the third year the plant is matured. The seed requires several weeks to come through. Sow in April, May or June, in drills or rows 2½ feet apart, seeds about one to two inches deep, about two inches apart in the drills, and cover with the same amount of soil and weeds afterwards. The plant can be transplanted either in spuds or fully matured kind of soil, and will do well on very rocky ground, but not on wet lands. Prepaid, pkg., 5c; oz., 10c; ½ lb., 40c; 1 lb., $1.10. Not prepaid, 1 lb., $1.00; 5 lbs., $4.80; 10 lbs., $9.00.  


COW PEAS, THE GREAT SOIL IMPROVER.

Like Clover they absorb nitrogen from the atmosphere, the roots reach deep into the soil and bring up the necessary plant food and act as a natural fertilizer. For fertilizing purposes, Cow Peas are superior to Clover from the fact that the foliage is greater, besides to the fact that it can be cut and cured for the hay the same as Clover; thus the same acreage can be put out a new growth which can be turned under in the fall as a fertilizer. Sow as early as May 10 or as late as July. Once established, Cow Peas can also be drilled in between rows of Corn. Cow Peas will thrive in any soil, but when the Corn is cut off, and stock turned in will feed upon Peas without touching the Corn until the Peas are gone. Half (½) bushel to the acre is required when planted in Corn.

Whippoorwill. Is a medium sized, kidney shaped, blotted pea: are the earliest to mature, rather dwarf in growth. Prepaid, per lb., 20c. Not prepaid, per lb., 20c; ½ lb., 45c; 10 lb., 75c; 25 lb., $1.50; 100 lbs., $5.00.

Clay, Colored. These are of a clay color, peas rather round in shape, makes half vines, sometimes growing twelve feet; medium late in coming out, one of the best for fertilizer or hay-making. Prepaid, per lb., 20c; ½ lb., 40c; 1 lb., 50c; 5 lb., 45c; 10 lb., 75c; 25 lb., $1.50; 100 lbs., $5.00.
BROOM CORN.

Broom corn should require similar soil and culture as corn, but should be planted later. It is frequently grown in drills 3/4 feet apart, leaving the plants 6 inches apart. 10 lbs. is sufficient seed for 1 acre.

Improved Evergreen.

Grown more extensively than any other variety. Yields seven feet high. Sow 75 lbs. of seed per acre. Prepaid, per Ib. 10c, 64 lbs. 50c, 10 lbs. $1.10, 100 lbs. $3.75.

LUPINS.

Cultivated like Peas. The young pods are good for sheep. It is also one of the best plants known for soil. It may be sown from April to July, and succeeds well in the poorest soil.

Blue. Prepaid, per lb. 20c; not prepaid, lb. 10c, 5 lbs. 45c, 10 lbs. 75c, 25 lbs. $1.85, 100 lbs. $7.00.

Yellow. Prepaid, per lb. 20c; not prepaid, lb. 10c, 5 lbs. 45c, 10 lbs. 75c, 25 lbs. $1.85, 100 lbs. $7.00.

LENTILS.

Cultivated like Peas. Largely used for soups. Has a ready sale in all grocery stores. Prepaid, per lb. 25c; not prepaid, 1 lb. 15c, 5 lbs. 65c, 10 lbs. $1.10, 25 lbs. $2.50, 100 lbs. $8.50.

MILO MAZE, YELLOW.

The growth is tall, 9 to 12 feet, staking to the ground. It sends out shoots also from the joints. The seed grows well to the size on such land, often weighing 3/4 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, 1 lb. 10c, 5 lbs. 45c, 10 lbs. 75c, 25 lbs. $1.35, 100 lbs. $4.50.

SUGAR CANE.

Orange. Adapted to almost every section wherever introduced as a profitable crop for fodder, as well as for sugar making. Prepaid, lb. 25c; not prepaid, 1 lb. 15c, 5 lbs. 65c, 10 lbs. $1.10, 100 lbs. $5.50.

Early Minnesota. Northern grown and the hardest variety known. Prepaid, lb. 20c; not prepaid, 1 lb. 10c, 5 lb. 45c, 10 lbs. 75c, 25 lbs. $1.35, 100 lbs. $4.50.

SUNFLOWER SEED.

Sunflower seed is the best egg producing food known for poultry. It can be raised cheaper than corn. Every farmer should plant some of the seed in any waste place of ground and time from early spring up to the middle of July. 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. 20c; not prepaid, lb. 10c, 5 lbs. 45c, 10 lbs. 75c, 25 lbs. $1.00, 100 lbs. $8.50.

White Beauty. Prepaid, 1/4 lb. 20c, 1 lb. 55c; not prepaid, 1 lb. 45c, 5 lbs. $2.00, 10 lbs. $3.25.

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. 20c; not prepaid, 1 lb. 25c, 5 lbs. 90c, 10 lbs. $1.75, 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. 10c, oz. 35c, 1/2 lb. $1.25, lb. $4.00.

BIRD SEEDS.

If by Mail add 8 cts. per lb. for Postage.

<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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</thead>
<tbody>
<tr>
<td>EVERGREENS</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Cypress</td>
<td>Cupressus</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>European Juniper</td>
<td>Juniperus Communis</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Blue Spruce</td>
<td>Picea Pungens</td>
<td>0.10</td>
<td>0.20</td>
<td>0.50</td>
<td>2.00</td>
</tr>
<tr>
<td>Douglas Spruce</td>
<td>Picea Douglasla</td>
<td>0.10</td>
<td>0.25</td>
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<td>3.00</td>
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<tr>
<td>Norway Spruce</td>
<td>Picea Excelsa</td>
<td>0.05</td>
<td>0.10</td>
<td>0.25</td>
<td>1.00</td>
</tr>
<tr>
<td>Silver Fir</td>
<td>Picea Taxifolia</td>
<td>0.05</td>
<td>0.10</td>
<td>0.25</td>
<td>1.00</td>
</tr>
<tr>
<td>Austrian Fir</td>
<td>Picea Pungens</td>
<td>0.05</td>
<td>0.10</td>
<td>0.25</td>
<td>1.00</td>
</tr>
<tr>
<td>Scotch Pine</td>
<td>Pinus Sylvestris</td>
<td>0.05</td>
<td>0.10</td>
<td>0.25</td>
<td>1.00</td>
</tr>
<tr>
<td>White Pine</td>
<td>Pinus Strobus</td>
<td>0.05</td>
<td>0.10</td>
<td>0.25</td>
<td>1.00</td>
</tr>
</tbody>
</table>

| SHRUBS       |            |         |        |            |          |
| White Fringe | Chamaecyparis Virginica | 0.03 | 0.05 | 0.10 | 0.40 |
| Golden Chain Tree | Tsuga Canadensis | 0.05 | 0.10 | 0.25 | 1.00 |
| Lilac        | Syringa Vulgaris | 0.05 | 0.10 | 0.25 | 1.00 |
| White Flower | Fraxinus Alnus | 0.05 | 0.10 | 0.25 | 1.00 |
| Snowball     | Viburnum Opulus | 0.05 | 0.10 | 0.25 | 1.00 |

| FRUIT        |            |         |        |            |          |
| Apple        |            | $0.00   | $0.00  | $0.00      | $0.00    |
| Apricot Plum | Prunus Persica | 0.05 | 0.10 | 0.25 | 1.00 |
| Cherry Plum  | Prunus Pissum | 0.05 | 0.10 | 0.25 | 1.00 |

| SMALL FRUIT   |            |         |        |            |          |
| Currants, Red |            | $0.10   | $0.20  | $0.50      | $2.00    |
| Currants, White |            | 0.10   | 0.20  | 0.50 | 2.00 |
| Gooseberry   |            | 0.10   | 0.20  | 0.50 | 2.00 |

NOTE: Owing to the many causes for failure in the germination of Tree Seeds, we wish it distinctly understood that we cannot be held responsible for any loss or damages arising from any failure thereof. Orders filled on above conditions only.

Tree, Hedge and Fruit Seeds.

Few investments made by farmers will return a larger profit in the course of a few years than the planting of forest trees on uncultivated land, or on land cultivated at a loss. The time is rapidly coming when land covered with our best forest trees will be of great value.

We quote the standard sorts only. Should you desire varieties not named in our list, write us and we will furnish at lowest possible prices. Prices given include postage paid by us.

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 the branches should be gradually removed, but replaced before winter sets in. Let plants remain in beds for about 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.
GRASS SEEDS.

Grass is...THE...

No Grass, No Cattle.

Plain Truth About Grasses.

If Grass be King, then High-Grade Seed is necessary to make it 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 their customers), will in a few years invariably find growing 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.

(Sten Brome Grass.) Grows on any soil. It flowers in June. Large 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. 25c; not prepaid, lb. 15c, bu. $2.00, 100 lbs. $12.50.

CANADA BLUE GRASS.

(Agrostis Stolonifera.) Nothing better for deep, rich and moist soils. Valuable for pasture. Prepaid, per lb. 30c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.00, 100 lbs. $5.50.

CRESTED DOGSTAIL.

(Agrostis Cristata.) Withstands drought and does well on dry land. Either for pasture or lawn purposes. Prepaid, per lb. 45c; not prepaid, per lb. 20c, bu. (14 lbs.) $2.25, 100 lbs. $15.00.

ENGLISH RYE GRASS.

(Lolium Perenne.) One of the best varieties for permanent pastures and meadows. Prepaid, per lb. 18c; not prepaid, per lb. 10c, bu. (14 lbs.) $1.25, 100 lbs. $6.50.

FREE LEAVED FESCUE.

( Festuca Arundinacea.) The finest bladed grass valuable only for lawns and pastures. Prepaid, lb. 50c; not prepaid, lb. 40c, bu. (14 lbs.) $4.90, 100 lbs. $31.00.

FOWL MEADOW.

(Lolium Fescu.) Grows rapidly and is valuable for low lands. Prepaid, lb. 45c; not prepaid, lb. 30c, bu. (14 lbs.) $3.75, 100 lbs. $23.00.

HARD FESCUE.

(Lolium Fescu.) Excellent variety for dry soils, and in appearance similar to Sheep Fescue. Prepaid, lb. 25c; not prepaid, lb. 15c, bu. (14 lbs.) $1.25, 100 lbs. $7.50.

ITALIAN RYE GRASS.

(Lolium Italikuum.) Good for any soil. Immense yielder. Prepaid, lb. 25c; not prepaid, lb. 15c, bu. (14 lbs.) $1.75, 100 lbs. $7.50.

JOHNSON GRASS.

(Sorghum Hapense.) 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, per lb. 25c; not prepaid, per lb. 15c, bu. (25 lbs.) $2.50, 100 lbs. $15.00.

KENTUCKY BLUE GRASS.

(Lolium Perenne.) 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.) $1.05, 100 lbs. $11.50.

Common No. 2.—More chaffy than the fancy. Prepaid, per lb. 25c; not prepaid, per lb. 12c, bu. (14 lbs.) $1.25, 100 lbs. $7.50.
MEADOW FESCUE.

(Festuca pratensis.) This variety should not fail to be in all permanent pastures. Prepaid, per lb. 15c, bu. $1.40, 100 lbs. $8.50.

No. 1 Fancy—Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. $1.40, 100 lbs. $8.50.

No. 2 Common—Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. $1.25, 100 lbs. $7.50.

MEADOW FOXTAIL.

(Allopecurus pratensis.) A perennial valuable for permanent pastures.

Fancy No. 1—Prepaid, per lb. 33c; not prepaid, per lb. 25c, bu. (14 lbs.) $3.25, 100 lbs. $29.00.

No. 2—Prepaid, per lb. 28c; not prepaid, per lb. 18c, bu. $2.40, 100 lbs. $16.00.

ORCHARD GRASS.

(Dactylis Glomerata.) This is the best and one of the earliest pasture grasses known.

Recleaned No. 1—Northern grown seed. Prepaid, per lb. 28c; not prepaid, per lb. 15c, bu. (14 lbs.) $2.25, 100 lbs. $14.50.

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 Varians.) One of the best known varieties, adaptable to almost any kind of soil.

Fancy No. 1—Recleaned seed. Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.75, 100 lbs. $10.75.

Choice No. 2—Contains a little chaff. Prepaid, per lb. 20c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.50, 100 lbs. $7.50.

Common No. 3—Such as is sold in feed stores. Prepaid, per lb. 17c; not prepaid, per lb. 15c, bu. (14 lbs.) 90c; 100 lbs. 54.25.

ROUGH STALKED MEADOW.

(Poa Trivialis.) Used mostly on low, damp soils. Prepaid, per lb. 40c; not prepaid, per lb. 30c, bu. (14 lbs.) $3.35, 100 lbs. $22.00.

SHEEP'S FESCUE.

(Festuca Ovina.) A favorite variety for sheep pastureage. Withstands drought. Prepaid, per lb. 30c; not prepaid, per lb. 20c, bu. (14 lbs.) $1.40, 100 lbs. $8.50.

No. 2—Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.60, 100 lbs. $10.00.

SWEE< T VERNAL ANNUAL.

(Anthoxanthum Prunell.) Used in all meadows and pastures. Ovcs its name to its sweet odor when in bloom. Prepaid, per lb. 25c; not prepaid, per lb. 15c, bu. (14 lbs.) $1.75, 100 lbs. $11.50.

SWEE T VERNAL PERENNIAL.

(Anthoxanthum Odoratum.) A good variety that is used in permanent meadows and pastures. Prepaid, per lb. 12.20; not prepaid, per lb. 12.10, bu. $14.00, 100 lbs. $90.00.

TALL FESCUE.

(Festuca Elatior.) A good producing variety on low lands. Prepaid, per lb. 40c; not prepaid, per lb. 30c, bu. (14 lbs.) $2.45, 100 lbs. $23.50.

TALL MEADOW OATS.

(Avena Elatior.) A rapid grower and an abundant yielding. Ought to be in all permanent meadows. Prepaid, per lb. 30c; not prepaid, per lb. 20c, bu. (14 lbs.) $2.45, 100 lbs. $13.50.

VARIOUS-LEAVED FESCUE.

(Festuca Heterophylla.) Valuable for pastures and lawns. Prepaid, per lb. 30c; not prepaid, per lb. 25c, bu. (14 lbs.) $3.15, 100 lbs. $20.00.

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. 30c; not prepaid, per lb. 25c, bu. (14 lbs.) $3.35, 100 lbs. $23.00.

WOOD HAIR GRASS.

(Aira Flaxnosa.) Is hardy and also grows in the driest regions. Does as well in shady places. It is not of much value for hay. Prepaid, per lb. 30c; not prepaid, per lb. 15c, bu. (14 lbs.) $2.00, 100 lbs. $12.00.

WOOD MEADOW.

(Poa Nemoralis.) A good variety for pasture in shady places. Also a good variety for shady lawns. Prepaid, per lb. 30c; not prepaid, per lb. 40c, bu. (14 lbs.) $5.00, 100 lbs. $35.00.

WOOLLY 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 Flavescens.) An excellent variety for pasture and meadows. Prepaid, per lb. 30c; not prepaid, per lb. 45c, bu. (14 lbs.) $6.25, 100 lbs. $40.00.
TIMOTHY.

(Phleum pratense.)

Northern Grown.

We wish we could talk to you personally, Mr. Farmer, instead of writing about the excellent quality of our Fancy No. 1 Timothy, which is usually sold by your local merchant, who buys in open market seed which has not been cleaned, and very often containing weeds, which cause more damage than what the difference in cost would have been had the buyer purchased our Northern Grow No. 1 in the first place. Send for a sample of our Timothy and compare it with that of your local merchant or Seed Dealer.

Fancy No. 1. Tests 100 per cent. Prepaid, 1 lb. 20c; not prepaid, 1 lb. 10c; peck 80c; bu. (45 lbs.) $2.93; 100 lbs. $5.50.

Common No. 2. Market price. Prepaid per lb. 16c; not prepaid, 1 lb. 8c; peck 70c; bu. (45 lbs.) $2.59; 100 lbs. $5.50.

BROMUS INERMIS

OR

AWNLESS BROME GRASS.

REPORTS OF EXPERIMENT STATIONS.

Mr. J. H. Shepperd, 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 drought better than other cultivated grasses, greatly adds to its value in the Northwest. The energy with which it is sought by stock leads me to believe that it is of as much value as timothy for hay and pasture, and that the hay is as valuable, ton for ton." Mr. J. Harland, 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 purposes, and find that it gives us much better results than any other class of hay."

Positively Drought Defying and Frost Resisting.

Will stand the extremes of heat, cold and drought. It yields enormous crops of splendid hay and affords early and abundant pasture. 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 pasture. 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. 28c; not prepaid per lb. 30c; bu. $2.10; 100 lbs. $13.25.

No. 2. Prepaid per lb. 25c: not prepaid per lb. 28c; bu. $1.85; 100 lbs. $12.25.

TURKESTAN ALFALFA.

(Medicago Sativa Var. Turkestanica.)

Perfectly hardy, withstands drouth, heat and cold. It is a native of Russian 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, S. 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 per lb. 35c; 3 lbs. for $1.00; not prepaid per lb. 35c; peck $3.00; bu. $11.40; 100 lbs. $17.50.
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 have it, and its better than good. Our prices are right, too. Send for Samples.

ALSIKE OR SWEDISH.

(Trifolium Hybridum.)

Hardly, yields enormously, and can be cut several times a year. Adapted to wide lands.

Fancy No. 1—Northern grown seed. Prepaid, per lb. 30c; not prepaid, per lb. 20c, pk. $2.75, bu. $9.50, 100 lbs. $15.50.

Common No. 2—The kind such as is usually sold in four and feed stores. Prepaid, lb. 27c; not prepaid, lb. 15c, pk. $2.40, bu. $8.50, 100 lbs. $14.50.

BOKHORA OR SWEET.

(Melilotus Alba.)

Of little account except as a pasturage for bees. Can also be used as a fertilizer. Prepaid, per lb. 32c; not prepaid, per lb. $3.40, bu. $18.50, 100 lbs. $30.60.

Fancy No. 1—Northern grown seed. Prepaid, per lb. 30c; not prepaid, per lb. 20c, pk. $2.85, bu. $9.60, 100 lbs. $16.50.

CRIMSON.

(Trifolium Incarnatum.)

As 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. 25c; not prepaid, per lb. 15c, pk. $1.25, bu. $4.25, 100 lbs. $6.75.

JAPAN.

(Lepeadeza Striata.)

A low-spreading perennial, much like White Clover, of great value in southern States. Flourishes on the poorest soils and withstands drouth. Prepaid, lb. 40c; not prepaid lb. 30c, peck $1.75, bu. (25 lbs.) $6.50, 100 lbs. $24.00.

MAMMOTH RED.

(Trifolium Pratense Perenne.)

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

Fancy No. 1—Recleaned, Northern grown seed. Prepaid, per lb. 25c; not prepaid, per lb. 15c, peck $2.10, bu. $7.80, 100 lbs. $12.50.

Common No. 2—Prepaid, per lb. 25c; not prepaid, per lb. 15c, peck $1.95, bu. $7.20, 100 lbs. $11.75.

MEDIUM RED OR JUNE.

(Trifolium Pratense.)

Fancy No. 1—Fancy recleaned, Northern grown seed. Although this is the best to be had, we do not class it with our matchless Silesian Red. Prepaid, per lb. 25c; not prepaid, per lb. 15c, peck $2.10, bu. $7.80, 100 lbs. $12.50.

Common No. 2—Prepaid, per lb. 25c; not prepaid, per lb. 15c, peck $1.95, bu. $7.20, 100 lbs. $11.75.

SILESIAN RED CLOVER.

Heat Won't Kill It. Frost Won't Kill It.

It has been widely known for its purity, strong vitality, hardness, vigorous and healthy growth, and stolon qualities that we now receive orders from all over the United States and Canada where clover is sown. We do not sell the European grown seed which is very expensive. The seed we offer is grown in the native seed beds and not by us, thus selling only seed that is thoroughly acclimated. In appearance Silesian Red Clover resembles the native red except that it has a more dense and compact and contains more seed when thoroughly ripe. In growth it differs vastly; its roots penetrate deeply, thus producing more vitality to the plant and giving it more sturdiness in growth and resisting powers. Prepaid, lb. 30c; not prepaid, lb. 20c; peck $5.50, bu. $20.50, 100 lbs. $35.50.

SAINFON OR ESPARCETE.

(Onobrychis Sativa.)

Known in Europe as one of the best fodder and hay producing plants. The roots penetrate the ground to great depth. Sainfoin or Luzerne, when once rooted, will yield enormously and can be cut twice a year.

Prepaid, per lb. 20c; not prepaid, per lb. 12c, peck 60c, bu. (22 lbs.) $1.95, 100 lbs. $7.50.

SAND CLOVER OR KIDNEY VETCH.

(Anthyllis Vulneraria.)

A deep-rooted herbaceous hardy perennial plant, valuable for dry sands and inferior soils, upon which Red Clover will not thrive. Eaten with hay by sheep and horses. Useful in mixture for dry soil. Produces abundance of hay and seed. Sold 20 lbs. of seed per acre. Prepaid, per lb. 25c; not prepaid, per lb. 25c, peck $3.00, bu. $10.75, 100 lbs. $16.75.

SERADELLA.

(Ornithopus Sativus.)

Especially valuable during the hot dry months of summer. Prepaid, per lb. 30c; not prepaid, per lb. 30c, peck $1.25, bu. (50 lbs.) $3.95, 100 lbs. $10.50.

WHITE.

(Trifolium Repens.)

Use for lawns and pastures. Fancy No. 1—Recleaned, Northern grown. Prepaid, per lb. 40c; not prepaid, per lb. 30c, peck $2.10, bu. $7.80, 100 lbs. $12.50.

Common No. 2—Mixed with a little Aliske. Prepaid per lb. 35c; not prepaid, per lb. 35c, peck $1.75, bu. $6.75, 100 lbs. $12.60.

YELLOW OR HOP.

(Medicago Lupulina.)

Also called Monthly Clover. Very little known here. Grown more extensively and better known in Germany. It derives its name, Monthly, because it can be cut three or more times a season. Grown like Red Clover. Prepaid, per lb. 25c; not prepaid, lb. 15c, peck $2.10, bu. $7.50, 100 lbs. $12.50.

ALFALFA OR LUZERNE.

(The Great Drought and Frost Register. Produces 3 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 grass which cures into excellent hay. It gathers largely of nitrogen from the air and lower soil, and is therefore especially valuable in rotations as a soil enricher. Sold 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. 20c, peck $2.50, bu. $9.90, 100 lbs. $14.50.

American Alfalfa. Cheaper than the imported. Prepaid, per lb. 25c; not prepaid, per lb. 15c; peck $2.15, bu. $7.50, 100 lbs. $12.00.


Prices of Grass and Clover Seed subject to market fluctuations.
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 benefitting 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 with 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 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 was needed on my soil. JOS. GRUNERT.

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

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

IN WASHINGTON.
Am well pleased with the Mixture of Grasses bought of you. It stood fine and produced an enormous quantity of Hay. H. 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. JUNKE BROTS., Dousman.

PERMANENT MEADOWS.

No. 1. For High and Dry Land, rather Light, Poor Soil.
Tall M'dw. Oat Grass
Orchard Grass
English Rye Grass
Kentucky Blue Grass
Red Clover
Mannix Clover
18 lbs. per acre.
@ $1.10 lb. $1.80
100 lbs. . . . . $9.00

No. 2. For High and Dry Land,
Red Fescue
Tall M'dw. Oat Grass
Italian Rye Grass
Rough Stalked M'dw.
Yellow Oat Grass
Luverna & Red Clover
16 lbs. per acre.
@ $1.75 lb. $2.60
100 lbs. . . . . $13.80

No. 3. For Low Land, Good and Rich Soil.
Meadow Foxtail
Creeping Bent
Orchard Grass
Sweet Vernal
Meadow Fescue
Alyce Clover
16 lbs. per acre.
@ $2.25 lb. $2.80
100 lbs. . . . . $12.80

No. 4. For Flat Bottom.
Meadow Foxtail
Creeping Bent
Meadow Fescue
16 lbs. per acre.
red Clover
Alyce Clover
100 lbs. . . . . $8.00

No. 5. For Low Land which is Flooded at times.
Creeping Bent
Tall Fescue Grass
Red Top
Fowl Meadow
Alyce Clover
18 lbs. per acre.
@ $1.50 lb. $2.70
100 lbs. . . . . $16.00

No. 6. For Swamps.
Water Meadow Grass
10 lbs. per acre.
Water Fescue Grass
16 lbs. per acre.
Tall Fescue Grass
100 lbs. . . . . $16.00

What Our customers say:

IN ILLINOIS.
The Grass Seed I bought of you last year done splendidly and will bring you many orders from neighbors next spring. JOHN HERBERT.

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

IN KANSAS.
The Grass Seed I bought of you one year is in a fine state. I have also had a splendid growth of the Pasture Mixtures. WILLIAM VAUGHN.

IN MINNESOTA.
With pleasure I can recommend your Pasture Mixtures. Bowed 900 lbs. in the Spring of 1900 and in October of the same year my cattle had full range over the entire field and the way they thrived would do anyone's heart good to see them. Iam still using this pasture which shows no signs of giving out. G. KNITS.

IN CONNECTICUT.
Grass Mixture turned out very satisfactory. Will order more next year. W. SCHMITZ.

IN CANADA.
Am well satisfied with your Seeds and the prompt way of doing business. ANDRE ZUEHLKE.

IN PENNSYLVANIA.
The Grass Seed I bought of you one year done splendidly.
GEO. RIPKE.

MILWAUKEE, WIS.
WERNICH SEED CO.
B—MIXTURE FOR PERMANENT PASTURES.

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

Meadow Foxtail
Orchard Grass
 Timothy
Rough Stalked
Meadow
English Rye Grass
Red Clover
White Clover

20 lbs. per acre.
100 lbs. ...$3.00

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

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

20 lbs. per acre.
100 lbs. ...$9.00

C—MIXTURE FOR SPECIAL PURPOSES.

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

Broms Ingrinis
Creeping Bent
Wood Hair Grass
16 lbs. per acre.
100 lbs. ...$18.00

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

Crested Dog's Tail
Sweet Vernal
Italian Hair Grass
Blue Grass
15 lbs. per acre.
100 lbs. ...$11.25


Wood Hair Grass
Sand Luzerne
Sheep's Fescue
16 lbs. per acre.
100 lbs. ...$13.75

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

Wood Hair Grass
Crested Dog's Tail
Sweet Vernal
Blue Grass
Sheep's Fescue
White Clover
16 lbs. per acre.
12½c lb. ...$2.00
100 lbs. ...$11.25

No. 16. Extra Mixture for a Hog Pasture.

Red Clover
Mammoth Clover
Allyke Clover
Creeping Bent
Timothy
16 lbs. per acre.
12½c lb. ...$2.00
100 lbs. ...$11.25

FREE!

CAHOON'S BROADCAST SEED SOWER.

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 $90.00.

No. 9. For Low and Wet Pastures.

Tall Fescue Grass
Red Top
Orchard Grass
Rough Stalked
Meadow
Crimping Bent
White Clover

18 lbs. per acre.
100 lbs. ...$11.25

No. 10. For Improving or Seedling a Marsh.

Water Fescue
Tall Fescue Grass
Red Top
Kentucky Blue
Crested Dog's Tail
Tall Meadow Oat Grass
Sweet-Vernal
Wood Mu'd'w Grass
White Clover
18 lbs. per acre.
100 lbs. ...$11.25

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

White Hair Grass
Orchard Grass
Kentucky Blue
Alsyke Clover
Wet Meadow Grass
White Clover
18 lbs. per acre.
100 lbs. ...$10.50

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

Crimson Clover
Italian Ryegrass
Creep. Bent Grass
14 lbs. per acre.
10 lb. ...$1.50

No. 18. Wernich's Special Mixture.

For soils where it is hard to determine what Grasses or Clovers are adapted to grow, or to be turned over for meadow, can be sown with this mixture and obtain good results.

Red Clover
Timothy
15 lbs. per acre.
100 lbs. ...$8.75

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
Tall Meadow Oats
Orchard Grass
18 lbs. per acre.
100 lbs. ...$8.75

No. 20. Special Mixture, Plenty Fodder.

It sown April this mixture will yield 1½ to 2 tons of hay the latter part of June, and about 1½ tons in August and September enough pasture.

Hungar. Grass
140 lbs. per acre.
10 lb. ...$2.25

D—CHEAP HAY AND PASTURE MIXTURES.

50 lbs. 100 lbs.
Crimson Clover and Timothy. $2.75 $5.25
Red Clover and Timothy. ... 3.15 6.00
White Clover and Timothy. 3.50 6.95
Allyke Clover and Timothy. 4.00 7.75
Yellow Clover and Timothy... 4.00 7.50

Just the thing for Reseeding Old Meadows and Pastures for One to Three Years.

50 lbs. 100 lbs.
Alfalfa Clover and Timothy. $3.75 $7.00
Mammoth Clover & Timothy. 3.75 7.00
Mixed Clover & Timothy. 3.50 6.75
Mixed Grass Seeds & Timothy. 4.50 8.50
Mixed Clov's, Grass & Timothy. 4.25 8.25

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 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 rolling more 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.

**SED REQUIRED.**

<table>
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<tr>
<th>25 x 25 feet, or 625 square feet</th>
<th>1 pound</th>
<th>100 x 100 feet, or 10,000 square feet</th>
<th>1 bushel</th>
<th>50 x 50 feet, or 2,500 square feet</th>
<th>1 peck</th>
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**Wernich’s “Fine Mixed” Lawn Grass.**

A mixture containing cheaper grades of grass seeds than our “Peerless Lake Park Mixture.” Prepared, 1/4 lb., 15c; lb., 30c; pk., 45c. Not prepaid, 1/4 lb., 10c; 1 lb., 20c; pk., (3 1/2 lbs.) 65c; 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 Duff Growing Reclaimed Grass Seeds, mixed in proper proportions. This mixture is the same as is used in our Milwaukee Public Parks. Prepared, 1/4 lb., 20c; lb., 35c; peck, $1.10. Not prepaid, 1/4 lb., 15c; lb., 20c; peck, (3 1/2 lbs.) 80c; bu., (14 lbs.) $3.00; 4 bu., (enough for 1 acre) $10.50; 100 lbs., $19.00.

**“Terrace Sod” Lawn Grass.**

A special mixture of grasses best suited for sowing on terraces, railroad embankments and side hill-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. Prepared, 1/4 lb., 25c; lb., 50c; peck, $1.70. Not prepaid, lb., 40c; peck (3 1/2 lbs.) $1.40; bu., (14 lbs.) $5.00; 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. Prepared, 1/4 lb., 30c; lb., 50c; peck, $1.70. Not prepaid, 1/4 lb., 25c; lb., 40c; pk., (3 1/2 lbs.) $1.40; bu., (14 lbs.) $5.00; 4 bu., $18.00; 100 lbs., $33.00.

Catch the Moles in your Lawn with the **“OUT O’ SIGHT” MOLE TRAP.**

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

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

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 Seed List, viz:

**Hardy** Annulals, Biennials and Perennials can be sown in the open ground early in spring, and Biennials and Perennials do not require protection in winter.

**Half Hardy** Annulals, Biennials and Perennials should not be sown in the open ground until warm weather sets in; they can be sown in the house, if desired early, and afterwards transplanted. The two latter need to be protected in the winter, or carried over until spring in cold frames or greenhouses.

**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, Dahlia, Daley, Plantus or Pinks, Escholtzia, Forget-me-not, Gaillardia, Glandium, Glandium, Golden Rod, Heliotrope, Ice Plant, Lobelia, Mignonette, Marigold, Nasturtium, (dwarf), TALL GROWING PLANTS.

For Backgrounds and Centers.

Adonis, Antirrhinum or Snap Dragon, Aquilegia, Aster, Anemone, Balsam, Calendula, Canna, Caster Bean, Celosia, Cleome, Cosmos, Datura, Delphinium, Digitalis, Helyssarum, Hollyhock, Helianthus or Sunflower, Jacobs, Lupina, Marigold, Mirabilis or Pea O’Clock, Nicotiana, Paeony, Primula, Salvia, Stocks, Sweet William, Zinnia.

**FOR CONSTANT BLOOM.**

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

**FOR VASES AND BASKETS.**

Abronia, Alyssum, Asperula, Convolvulus Minor, Kenilworth Ivy, Lobelia, Mauroadia, Mimulus, Nasturtium (dwarf), Oxalis, Silene, Smilax, Verbena.

**CLIMBERS FOR PORCHES, ETC.**

Abronia, Adinuma, Aristolochia, Canary Bird Flower, Clematis, Cobaea, Convolvulus Major, Cypress Vine, Dolichos, Gourds, Henna or Japan Hops, Lophopseum, Monsorica, Moonflower, Nasturtium (tall), Passiflora, Scarlet Runner Beans, Sweet Peas, 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.**

<table>
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<tr>
<th>Customers</th>
<th>May</th>
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<tr>
<td>$1.00</td>
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worth of Flower and Vegetable Seeds in packets and ounces. This discount, however, does not apply to seed by weight $1/2$ 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 remittance besides these discounts.

**ABOBRA.**

**Viridiflora.**—A very rapid growing and exceedingly beautiful climber, producing dazzling scarlet fruit. (6 feet.) T. A. Pkt. **.3c**

**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 garden in summer; producing much larger bell-shaped flowers than the old types—the range of colors includes white, straw, yellow, rose, carmine, crimson, orange and many beautifully striped varieties. 2 to 4 feet. T. P. Pkt. **.10c**

**ADLUMIA.**

**(Mountain Fringe, or Allegheny Vine.)**

**Cirrhosa.**—An attractive climber. The flowers are flesh-colored and form a fine contrast to the purplish-sage of the plant. Height 15 feet. H. B. Pkt. **.6c**

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**Cirrhosa.**—An attractive climber. The flowers are flesh-colored and form a fine contrast to the purplish-sage of the plant. Height 15 feet. H. B. Pkt. **.6c**
ADONIS.

Adonis. (Flos Adonis). Ornamental garden annual, of easy culture, flowering freely; graceful feathery foliage. Crimson. H. A. 1 foot. Pkt ........................................ 3 cts.

AGERATUM.

Annuals bearing continuously 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.

Coeli Rosea (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.

ALYSSUM.

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; 300 blossoms have been counted on a single plant. H. A. ¼ oz., 10c; oz., 25c.; pkt........................................ 3 cts.


AMARANTHUS.

Ornamental foliage and flowering annuals of rapid growth, easy culture and very showy, with flower spikes of richly colored foliage. T. A. Caucatus. (Love-lies bleeding). Long, dark red drooping flower spikes. 3 feet. Pkt........................................ 5 cts.
Salicifolius. (Peel-leaf Plantain). 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.......................... 3 cts.

AMPELOPSIS.

Veitchii. (Boston or Japan Ivy). Valuable hardy perennial, climber; clinging 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.

ANTIRRHINUM.

(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. P.

Tall, Mixed Colors. Selfs and aprons. Four to six feet. Pkt........................................ 5 cts.
Giant-Flowering. The flowers are nearly double the size of the older sort; perfect to 3 feet. Pkt........................................ 10 cts.
Tom Thumb Varieties Mixed Colors. Only 1 foot high. Pkt. 5 cts.

AQUILEGIA, OR COLUMBINE.

Hardy perennials, luxuriating in the moister situations in the garden, where they form permanent clumps, growing from 1½ to 3 feet high. The large, unique, long-spurred flowers, gracefully hanging 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. 2 feet. Pkt 10 cts.
Chrysanthemum (Golden spurred). Bright golden yellow. 3 feet. Pkt........................................ 10 cts.
Glandulosa. Lovely shade of light blue and purple-white. 2 feet. Pkt........................................ 10 cts.
Double, all colors mixed. Oz., 30 cts.; pkt........................................ 5 cts.

ARISTOLOCHIA SIFHO.

Dutchman’s Pipe Vine.

Rapid, luxuriant, hardy perennial climber; large leaves, making dense shade; flowers yellow and brown.


ASPARAGUS SPRENGERI.

Also called Emerald Feather and Abyssinian Parlor Fern.

New. Perhaps the best new plant introduced in ten years. Highly praised everywhere; handsomest seen drooping 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, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. It is admirably adapted to house culture. T. P. Pkt. (5 seeds)........................................ 10 cts.; 25 seeds........................................ 35 cts.
ASTERS.
When almost all other flowers of the summer have passed, Asters come into bloom. For that reason, as well as on account of their very beautiful flowers of varied form and color.

They 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, 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.

PAEOXY FLOWERED PERFECTION.
For size of flowers, beauty of colors and habit of plant, this Aster is almost unrivaled. Flowers are in curved like those of a peony, 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.

Paeany-Flowered Mixed. Pkt. 5c

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 handy habit, 8 inches in height, candelabrum shaped and of elegant form. Flowers are of immense size with very long gracefully curled petals, very imposing in appearance.

Aster, "The Bride."

ASTERS—Cont'd.
"The Bride." White changing to rose. Pkt. 25c.
Semples Tall Branching. This is a strong grower and having a tendency to form numerous branches it should have more room than the ordinary Aster. The plant continues in bloom later in the season than any other variety and blooms correspondingly late, thus giving its fullest display of flowers in late autumn when there is a scarcity of bloom.

White. Pkt. 10 cts.
Pink. Pkt. 10 cts.
Lavender. Pkt. 10 cts.
Crimson. Pkt. 10 cts.
Carmine. Pkt. 10 cts.
Purple. Pkt. 10 cts.
The above six packets for 50 cts.
Semples Mixcd. Pkt. 10 cts.

ASPHERULA.
Odorata. (Woodruff.) This charming little plant, which blooms in May and is a hardy perennial, delights in moist and shady situations and is used for border planting. 9 inches.

H. P. Pkt. 10 cts.
Azuren Setosa. Small, sweet-scented, light blue flowers. 1 foot.

H. A. Pkt. 5 cts.

AURICULA.
The flowers which resemble the Primrose somewhat, are of various shades of crimson, yellow, maroon, etc.


BACHELOR'S BUTTON.
Bachelors' Button. (See Centaurea. Page 35.)

BALSAMS.

Wernich's Prize. We have no hesitancy in pronouncing this strain the finest in cultivation. The flowers are very large, measuring from two to three inches in diameter; of perfect form, resembling the flower of the Camellia, and are as double. In fact, the petals are so densely produced that the yield of seed is extremely small, one single plant often producing not more than five seeds. Pure White. Pkt. 5 cts.

Crimson. Pkt. 5 cts.
Rose. Pkt. 5 cts.
Prince Bismark. Salmon Rose. Pkt. 5 cts.
Scarlet. Pkt. 5 cts.
Lilac Rose. Pkt. 5 cts.
Dark Blue. Pkt. 5 cts.

The above six packets for 25 cts.

Wernich's Prize Mixed. Pkt. 5 cts.

BELLIS.

Daisy.—(See page 54.)
BEGONIA.
Magnificent flowering pot plants, and deservedly popular for garden bedding, flowering in the greatest abundance 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.

BROWALLIA (AMETHYST).

CACALIA.
Tassel Flower.

CATUS.
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.

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. Oz. 20 cts.; Pkt..........................5 cts.

CAMPANULA.
"Cup and Saucer" Canterbury Bells. (Campanula Rapunculus.) Beautiful flowers 3 inches in length, saucers 2 to 4 inches across. The plants form perfect pyramids of bloom about 24 inches high, and they bear frequently from 100 to 200 of these exquisite blossoms for weeks during the early summer. H. B. 2 feet. Mixed. Pkt..........................5 cts.

CANARY BIRD VINE.
A beautiful climber, the charming little canary-colored blossoms bearing a fancied resemblance to its wild state, expanded. H. H. A. 10 feet. Oz. 50 cts.; Pkt..........................5 cts.

CANDYTUFT.
Dwarf annuals, flowering profusely throughout the whole season; great favorites for beds, edgings, pots and borders; the plants are very fair 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.
"Empress" or Giant White Hyacinth-Flowered. A grand variety, producing enormous spikes of bloom, resembling a white Hyacinth. These spikes often measure 7 inches long by 2½ inches in diameter; plant in bloom, 12 inches high. (See cut on preceding page.) Pkt..........................5 cts.

CANNA.
Cannas are stately with handsome foliage and showy flowers. The seeds are extremely hard and it is advisable to file through the hard outside covering; soak in warm water several hours before planting. The roots may be wintered in the cellar—the same as Dahlias. T. P. Madam Crozy, Finest Mixed. Oz. 50 cts.; 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. Wernich's Double Perfection Mixed. Saved from a rich collection of mixed flowers. Pkt..........................15 cts.
Early Red Grenadier. Single, with a quantity of double red flowers, there is no outdoor Carnation that can equal. 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 chiefly ct. H. H. A.

_Cristata Cocineae_. Dwarf crimson, fine, 1 foot. Pkt. 5 cts.

_Glasgow Prize_. Very dwarf; immense crimson comb, fine plumage. Pkt. 5 cts.

_Ostrich Plumed, Mixed Colors_. Plumes of crimson, orange, yellow, rose, etc. 3 feet. Pkt. 5 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 Centaurea has become a general favorite.

_Empress William_. Handsome blue color. H. A. Pkt. 3 cts.

_Cyanus_. Double mixed. H. A. Pkt. 3 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._

_Lord Beaconsfield_. Single Red. Pkt. 3 cts.

_Coronarium_. Double White. Pkt. 3 cts.

_Coronarium_. Double Yellow. Pkt. 3 cts.

_Mixed Annuals_. Pkt. 3 cts.

All four packets 10 cts.

Perennial Varieties.


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. H. Pkt. 5 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._


THE 7 CHOICE FLOWERS ON THIS PAGE.

COBAREA SCANDENS.

_Coblea Scandens_.

_Cobaea Scandens_.

CONVULVULUS MINOR.

_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. Pkt. 5 cts.

COBAEA.

_Magnificent rapid growing climber, often growing 20 to 30 feet in one season. The seed should be planted edge down and no water given unless the soil becomes very dry._

_Scandens_. Blue. Pkt. 5 cts.

_Albo_. White. Pkt. 10 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 an handsome a foliage plant as can be obtained from seeds._

_Hybrida_. Pkt. 15 cts.

CONVULVULUS.

_Morning Glory._

See page 50.

COSMOS.

_Giant Fancy_. The plants, 5 to 6 feet high, are one mass of feathery green foliage, garnished with large single flowers of white, pink or crimson, enlivening the garden long after many flowers have succumbed to early frost. For bouquets and vases this is one of the finest flowers grown. Flowers often 6 inches in diameter. H. H. A. Pkt. 10 cts.

CYCLAMEN.

_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._

_Giganteum Mont Blanc_. Snow white, large. Pkt. 25 cts.


_Persicium Giganteum_. Finest mixed. The flowers measure from 2 to 2½ inches in length. Pkt. 25 cts.

CYPERUS ALTERNIFOLIUS.

_Umbrella Plant_. A strikingly handsome plant, easily raised from seed. T. P. Pkt. 10 cts.
CYPRESS VINE.
For training upon a light ornamental trellis the Cypress Vine can not be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely divided foliage is particularly adapted to ornamental work. Good for ten feet; if planted fairly thick in a good soil will make a dense screen of the most exquisite foliage and flowers. H. H. A., 10 feet.

Scarlet, Pkg. .......... 5 cts.
White, Pkt. ............ 5 cts.
Ivy Leaved, Pkt. ......... 5 cts.
Pink, Oz., 25 cts. ......... 5 cts.

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

Double Large Flowering, Mix. ed. 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 many years if given slight protection during winter. They commonly flower in April and continue to bloom until summer, if not very particular as to soil, but should be grown where they have partial shade.

Maxima, Double Giant, red. .......... 10 cts.
Snowball Daisy, Long stem and large double flowers. .......... 10 cts.
Longfellow, Dark pink flowers, unusually large and double; very long and stiff flower spikes. .......... 10 cts.
All three, one packet each, for 25 cts.

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

Cornucopia—Horn of Plenty. The flower is immense, often 10 inches long and 3 inches wide at the mouth, and conical, having 3 cones, one within the other, each with spreading, wavy margins. Color is fine purple-white. Pkt. .......... 5 cts.

DIANTHUS OR PINKS.
Hardy Garden Pinks.
The Pinks may be ranked amongst the finest sorts of our flower gardens, and are deserving of their great popularity. One foot high. H. B.

Shinensis. (China or Indian Pink.) Superb varieties, double mixed. Oz., 50 cts.; pkt. .......... 5 cts.
Heidelberg Mixed Colors. (Single Japan Pinks.) Magnificent flowers, 3 to 4 inches across, broad and round, and of many exquisite colors; blotched, splashed and spotted. Pkt. .......... 5 cts.

DIGITALIS.
Foxglove, or Witches' Fingers.
Ornamental hardy border plants, easy culture, having long spikes of showy flowers. 3 to 5 feet. H. P.


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

Special Offering.
The 4 Choice Flowers shown on this Page for 30c.

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

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

Large height scarlet; interior orange. Pkt. .......... 5 cts.

EVERLASTINGS.
(See page 62.)
FERNS.
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.

FORAGE PERENNIAL VARIETIES.

FORGET-ME-NOT.
Myosotis.
An old favorite. It flourishes best in a moist, shady situation, and is in bloom nearly the whole season. If sown in boxes in the house early, will flower the first season. 2 to 3 inches. H.

Alpestris Alba. Pure white. Pkt. 5c.
Victoria. Forms a neat compact bush about six inches high, that at all times during the season is one mass of sky blue flowers with yellow centers. Pkt. .......... 5 cts.

Palustris. A favorite this when in bloom is a silver sight, a sheet of skyblue flowers, 6 inches. Pkt. .......... 10 cts.
All three, 1 packet each, for 15 cts.

FOUR O'Clocks.
Marvel of Peru.
They are exceedingly fragrant, expanding in the evening and withering the next morning. Pkt. .......... 15 cts.

FUCHSIA.
Ladies' Eardrop.
They bloom the first year from seed if sown near a window. Pkt. .......... 15 cts.

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

GERANIUM.
Well-known popular plants for either pot culture in the winter or summer bedding. H. B.

Zonal Varieties. Saved from some of the finest collections obtained from many choice and even entirely new 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.
French Hybrids. The best strain in existence, embracing all colors, the largest flowers and the finest foliage. Pkt. 25c.

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.
GOLDEN ROD.
Solldage 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 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 CLIMB. Pkt is beautifully blochted. 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.

HEDYSARUM.
French Honeysuckle.
Handsome flowering plants, producing tufts of attractive and abundant flowers. It bears some resemblance to the Scarlet Clover, but is a much bolder and handsomer flower. H. B.


HELIOTROPE.
Heliotropes can be grown as readily from seed as Pansies or Verbena. Sow in open ground in May, and the plants will bloom in August. H. H.

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, etc. The seed we offer of this handsome flower has been saved from the best collections of Europe. H. P.

Wernich’s Superior Double Prize Hollyhocks. The following, per packet 10 cts. each: Blush, Maroon, Canary Yellow, Pink, Crimson, Purple, Deep Rose, Salmon, Lavender, White, Light Apricot, White, Violet Centre. Per pkt., 10 cts.; three pkts., 25 cts.; six pkts., 40 cts.; all twelve pkts., one of each, 75 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, to 8 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 burrulent, somewhat rough and hairy. H. A. 15 to 20 feet. Japonicus. Insect proof, withstands heat and drought. Flowers late in the fall. Pkt........10 cts.

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

HELIANTHUS, OR SUNFLOWER.
Remarkable for the stately growth, size and brilliancy of their flowers, making a splendid blood effect among shrubbery and for screens. The single sorts are now considered indispensable for cutting. Sown on a sunny spot in April or May, flowers may be cut daily from the end of June until down by frost. F. A.

Nanus Folius Variegatus. The foliage variegated, green and white; dwarf. Pkt........3 cts.

Stem-rod. (Cut and Come Again Sunflower.) 3 to 4 feet. Flowers on long stems. Valuable for cutting. Pkt........3 cts.

Macrophillus Giganteus. A branching pyramidal-shaped plant; yellow flowers about 18 inches in diameter. 6 feet. Pkt........3 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.

ICE PLANTS.
Mesembrianthemum Crystallinum. A singular looking plant with thick, Basby 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 Ivey, 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 likes plenty of moisture about the roots. The plants are hardy perennials with protection at the north, and are excellent for carpeting a bed 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 massing in clumps in mixed borders they are particularly desirable.

Double Tall Annuals. Mixed. Pkt. 5 cts.


ERINUS Variety Mixed. Pkt. 5 cts.

LOBELIA.
Dwarf-growing plant from 4 to 6 inches high, with blue, white, crimson and rose flowers, adapted for ribbon borders, beds, baskets and pots. Should be started in heat and transplanted in the open. H. E.

Erinus Varieties. Mixed. Pkt. 5 cts.

LOPHOSPERMUM.
Rapid-growing ornamental climbing plants, with leaves and handsome flowers. T. P.


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


MARIGOLD.
A well-known magaideant plant with handsome flowers in rich and beautiful colors, and neat, compact green foliage, producing a splendid effect in almost any situation. H. 1 foot.
 Legion of Honor. The prettiest of the Marigolds. The plants will bloom from the middle of summer until late in fall. Flowers rich golden yellow marked with velvety brown. 15 inches. Pkt. 5cts.
Double French, Mixed. Yellow, brown and crimson, beautifully striped. 1 foot. Pkt.......5 cts.

MATRICARIA.
(Double White Feverfew.)

MAURANDIA.
Beautiful, rapid climber, blooming profusely until late in the autumn, and fine for the conservatory or greenhouse. 10 feet high. P. C.
Mixed, Choice Kinds. Pkt. 5c.

MIGNONETTE.
(See Reseda. Page 59)

MIMOSA.
Pudica. (Sensitive Plant.) A very interesting and curious plant, its leaves closing if touched or shaken. T. A. 9 inches. 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 slightly.
Moschatus. (Musk Plant.) Fine for hanging baskets, etc.; the thin, delicate leaves emit a pleasant musk odor. T. A. 1 foot. Pkt.............5 cts.

MOMORDICA.
Curious climbers, with ornamental foliage and odd-shaped fruit, which, when ripe, open, showing a brilliant red interior; make a nice display on trellis and rockwork. H. A. 10 feet.
Momordica Balsamina (Balsam Apple). Pkt. 5c.
Momordica Charantia (Balsam Pear). Pkt. 5c.

MOON FLOWERS.
(Ipomea.)
Climbers of rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors, or stumps of trees, they are invaluable.

Evening Glory (Setosa.) Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters very freely from July to frost. Leaves 8 to 12 inches across. T. A. 15 to 20 feets. Pkt................10 cts.
Moonflower. (Grandiflora Alba.) It bears in greatest profusion its lovely translucent white flowers, five to six inches in diameter, with a five-pointed 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.

MORN ING GLORIES.
Convulvulus 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. 10 feet.
Convulvulus Minor.
These grow about one foot high only. They are useful plants in the garden and for hanging baskets. H. 1 foot.

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

Imperial Japanese Morning Glories.
Sow 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 darkest reds and purple. They are streaked, mottled, striped, and blotted in wonderful fashion. The leaves are large, some lily-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.
Affinis. (Sweet-scented tobacco plant.) Produces freely deliciously scented large, white, tubulous flowers. If taken up in fall and potted it will bloom in the house during the winter. H. H. A. 2 feet. Pkt. 5c.

NIGELLA.
(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.
Demascena, Mixed. Pkt..................5c

OXALIS.
Small free-flowering plants, with brightly colored clover-like leaves, thickly studded with small bright flowers from June until frost. Sow 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..................5c

PAEONY.
Beautiful hardy plants. Large, handsome flowers. H. P.
Sinensis, Mixed. Pkt.............10c

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..................10c

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..................50c
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 heighten the appearance of the garden. H. A.

Price of any of the following named varieties: pkt. 3 cts., oz. 10 cts., $1 lb., 55 cts.

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

Crimson. Deep velvety red, brown and brownish crimson.

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

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

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

Luteum. 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.

Regelia. Flowers of good size and very rich coloring. Deep brownish red, shaded with purplish violet, which is most subdued light.

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

Vesuvius. Brilliant fiery rose, very effective, new and beautiful.

Von Moltke. Beautiful rose.

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.; $1 lb., 35 cts. (except where noted).

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

Beauty. Glowing orange with suffused darkening 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., 15 cts.; $1 lb., 50 cts.


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

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


Special Offer of Dwarf Nasturtiums.


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 marked with velvety brown or carmine. Oz., 15 cts.; $1 lb., 45 cts.
WERNICH'S GIANT AND PRIZE PANSIES.

There is nothing in our extensive list of Flower Seeds which is more important than Pansy seed, and we spare no trouble or expense to have the very best strains that are to be procured, and we know there is no better Pansy Seed to be had either in this country or in Europe than that we carry in stock and supply to our customers.

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 center. Pkt. ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... 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POPPIES.

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

Single Annuals

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

Peacock. Large brilliant scarlet and crimson flowers, with a black zone near the center, making a strong and beautiful contrast. Pkt. 5 cts.

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

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

Single Mixed. Oz. 10 cts.

Double Annuals


Carnation-flowered Poppies. Mixed. Magnificent garden annuals, 2 to 2½ feet high; large globular flowers often a foot in circumference, of the greatest variety of colors. Pkt. 10 cts.

Hardy Perennials

Iceland Mixed. Although hardy perennials, these Poppies bloom the first season from spring-sown seed. The flowers are produced in never-ceasing succession from the beginning of June to October. Pkt. 6 cts.

New Orientale Hybrids. Containing charming new colors, pink and crimson, with scarlet blotches, black and a golden border; flowers of a size, the most colorful and the finest. Pkt. 6 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 on the same ground after culinary peas.

Manuring with stable manure in the row immediately before sowing the seed is not desirable. Ground intended for sweet peas, if not left 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 Collection. Pure white flowers, extra large on long, stiff stems.

Shades of Heliotrope.
Emily Eckford. Reddish mauve, fading to light blue, large.
Dorothy Tennant. Deep rosy 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. Warm, rosy pink, large and fine.
Mrs. Gladstone. Delicate soft rosy pink, blush wings.
Adonis. Rose and carmine, small flowers.
Novelty. Rich rosy red, a very bright color.

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

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

Navy Blue. Dark blue, the best of blues. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.00.

Prices pkg., 5c; oz., 10c; 1-4 lb., 20c; 1 lb., 60; postpaid.

Shades of Blush Mauve.
Celestial. Delicate lavender blue, a German novelty.
Countess of Norfolk. Rosy lavender, wings pure lavender.

Shades of Maroon.
Boreatton. Very dark maroon, self-colored.
Indigo King. Maroon, nearly indigo.

White with Lilac Blue.
Butterfly. White, laced with lavender, notched standards.
Lottie Eckford. White suffused rosy lilac, blue edge.

Maid of Honor. Lavender and white, edged blue.
Pink and White Shades.
Blanche Ferry. Rosy red, wings blush white, very profuse.

Modesty. A delicate pink, running to white. Beautiful.

Delicate Blending.
Venus. Lovely salmon-buff, faintly shaded with rosy pink. The fine large flowers become deeper in shade as they remain open.

Princess Beatrice. Fine large size, self-colored in a very soft pink, suffused on silvery white, shading brighter at the edges.

Variegated and Striped.
Aurora. Striped rosy orange on white, a most attractive variety.
Romona. Creamy white, with soft flesh pink stripes, a dainty effect.

Juanita. Stripped lavender and mauve on white.
Columbia. Striped red and blue on white.

MIXTURES OF SWEET PEA.
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 us with consideration to produce tone and effect. Bouquet mixture has won unqualified praise of our customers. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., $1.00; postpaid.

Wernich’s Fine Mixed. A good mixture containing nearly all of the above and many others. Pkt., 5c; oz., 7c; ¼ lb., 15c; 1 lb., 50c; postpaid.

SPECIAL OFFER.
No. 1. Any 3 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.
SALPIGLOSSIS.

(Large-flowering.)

Most beautiful garden annuals, about 18 inches high, bearing flowers 3 inches across, of many beautiful colors, all exquisitely scented and faced. H. H. A.

**Large-flowering Double Ten Weeks.**


Any of the above Pkts., 10 cts.; any three pkts., 25 cts.; all six pkts., 40 cts.

**Large-flowering, Ten Weeks, Mixed.** Pkt. 10 cts.

**Dwarf Perfection Stock, Mixed.** Pkt. 5 cts.

**Giant Perfection Stock, Mixed.** This sort produces huge spikes for flower arrangements, handsome double flowers. Pkt. 10c

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**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 encircled numbers of side branches, and the often they are cut the better they seem to like it.

**Mixed Colors.** Pkt. 10c

**SWEET WILLIAM.**

(Dianthus Barbatus.)

One of the most admired of our garden flowers. Hardy plants, about 3 feet high, of extreme richness and variety of color, and also deliciously scented; for clumps or borders, no plant can surpass this old favorite. H. B.

**Single Mixed.** Oz., 40c; pkt. 5c

**Double Mixed.** Oz., 80c; pkt. 10c

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**VERBENA.**

Nothing excels the Verbena for showy flower beds. Sown early, they blossom the same year, their large self-colored striped and variegated flowers covering the entire plant. H. H. P.

**Fine Mixed.** Pkt. 5c

**Hybrida.** Choicest mixed. Saved from the most beautiful named flowers. Pkt. 10c

**Hybrida Compacta.** Last year's novelty. A valuable sort for bedding and edging purposes, on account of its short compact habit. Plants grow one foot high and spread over 15 inches, covered with flowers. Pkt. 10c

**New Fordhook Million.** Mmmnot.

**Verbena.** They are of very large size, being frequently larger than a dollar. Pkt. many, many, covered with silver dollar. Pkt. 10c

**VIOLEN, OR PERIWINKLE.**

Handsome bushy plants, producing freely round single flowers, 1½ inches across, suitable for either pot culture or sunny beds; tender perennial, but flowers the first season. T. P. 1½ feet.

**Rosen Alba.** White, with rose eye. Pkt. 5c

Rosen. Bright rose. Pkt. 5c

**Mixed.** Pkt. 5c

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ZINNIAS.

One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling beauty, size, and form, moderate-sized Dahlias. H. A.

**Large Flowering Dwarf Double, Mixed.** Useful for beds or borders. Height, 1½ feet. Oz., 40c; pkt. 5c

**New Giant Mixed.** Flowers perfectly double, measuring 5 to 6 inches in diameter, colors brilliant. T. P. 5c; pkt. 30c

**Hanceana (Mexican Zinnia).** Grows erect in bush form to a height of 12 inches. Flowers of a bright golden yellow 2 inches in diameter. T. P. .5c; pkt. .30c

**Tall Annuals Mixed.** Oz., 30c; pkt. 3c

**Dwarf Annuals Mixed.** Oz., 40c; pkt. 5c
EVERLASTING FLOWERS.

The Everlasting or "Straw Flowers" are most valuable for winter decorations. Plants grow readily from seed sown in open ground when the trees are starting to lose their leaves, but should be kept cultivated to overwinter the seed and be opened, tied in small bunches and dried slowly in a cool and shady place, with the flowers downward to keep the stems straight.


Ammobium. Erect-branching plants two feet in height, with curiously winged stems surmounted by broad, flat, yellowish white flowers with bright yellow center. H. H. P. Per oz., 30 cts.; pkt. ...........3 cts.

Gomphrena (Globe Amaryllis or Bachelor's Button), Mixed. Free-flowering plants two feet in height, producing small globe-shaped double flowers in bright colors. H. H. A. Per oz., 25 cts.; pkt. 3 cts.

Helichrysum. These are the finest of all Everlastings. They resemble a freshly opened Aster in form and flowers, being of several colors. H. A. Per oz., 3 cts.

Rhodanthe, Mixed. Tender annuals fifteen inches in height with erect-branching stems and numerous flower-heads on slender stalks. These vary from white to deep purple, containing many florets which retain their colors when dried. H. H. A. Per oz., 90 cts.; pkt. ...........5 cts.


Xeranthemum. Double flowers in varied colors. Showy as a summer-flowering annual as well as desirable for the dried state. H. A. Per oz., 50 cts.; pkt. ...........5 cts.

EVERLASTING COLLECTION.

Seven Packets, one of each for 20 cts.

ORNAMENTAL GRASSES.

Ornamental Grasses are not only of most graceful growth and flower during the summer and fall, but if sprayed are cut off when freshly opened (before seed forms) and slowly dried in a cool place, they will lend a graceful air to bouquets of dried everlasting flowers. The feather 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, very and finely branched feather sprays; only ten inches in height. H. A. Per oz., 3 cts.; pkt. ...........3 cts.

Andropogon Argenteus. Dense flowers, very silky, with bright white hairs. H. P. 3 feet. Per oz., 60 cts.; pkt. ...........5 cts.

Avena Sterilis (Animated Oat). A strong-growing grass, growing up seed spikes two and a half feet in height. These bear seed closely resembling the oat, but larger in size and having the peculiarity of hopping about if the dry seed is molassed and placed on a level hard surface. H. A. 3 feet. Per oz., 25 cts.; pkt. ...........2 cts.

Briza Maxima (Quaking Grass). Grows to twice the height of the preceding, with taller spires and larger heads of seed. These are borne in a close thickened panicle resembling the rattle of a rattlesnake slightly in form. H. A. 1½ feet. Per oz., 20 cts.; pkt. ...........5 cts.

Cox Laehrymace (Job's Tears). Thick fleshy stems eighteen inches in height, with lance-shaped green leaves bearing clusters of hard seeds about the size of garden peas; from which the plant takes its name, being of peculiar pointed form. H. A. ½ feet. Per oz., 30 cts.; pkt. ...........5 cts.


Gyntherium Argentum (Pampas Grass). This produces the finest dried sprays, but is not hardy in our location, plants having to be taken up and wintered in a frost-proof cellar. Further south the plants will live out if protected during the winter months. It is of strong growth with numerous plumes of beautiful feathery appearance. T. P. 4 ft. Per oz., $1.00; pkt. ...........5 cts.

Hordeum Jubatum (Squirl-tail Grass). A hardy annual grass of strong growth, having large heads with quite long beautiful plumes. In the greatest extent, it being a natural variety of that grass, it is 2 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. H. A. 2 feet. Per oz., 30 cts.; pkt. ...........5 cts.


Stipa Pennata (Feather Grass). Has very graceful plumes. H. P. Per oz., 90 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 seeds, and cannot fail to give satisfaction. The packages are liberal in size, and in no other way would such selections be obtained for so little money.

Flowers for Bouquets. This mixture contains seeds producing flowers suitable for cutting for vases and bouquets, nearly all having long stems, and will fill vases and make lovely supplies of flowers throughout the entire season. Packet..............10 cts.

Wild Flower Garden. Full of daily surprises and one who has never seen such a garden cannot fail to have a possible enjoyment and delight of flowers. Delights children more than this "Wild Garden," chiefly because they are allowed to pick their own bouquets without stint. Pkt...........10 cts.

Mixture of Climbers. A packet of seeds containing over twenty beautiful annual climbers, for covering oothouses, trellis, etc. Pkt...........10 cts.

Mixed Everlastings. A great variety of pale Everlastings. Pkt...........10 cts.

Mixed Ornamental Grasses. Very pretty for making winter bouquets and in decorating. Should be cut while fresh and dried slowly in the shade to dry. Pkt...........10 cts.

Any 3 Packets for 25c; all 5 Packets for 35c.
SUMMER FLOWERING BULBS AND ROOTS.

THE SUMMER FLOWERING BULBS AND ROOTS for spring planting are inexpensive, very easily grown, require scarcely any care.

Single Bulbs and dozen lots delivered free at prices quoted in lots of 100 by express at purchasers' expense.

GLADIOLI.

Plant in May and June in any good garden soil, 6 inches apart and 4 inches deep.

- Pink Shades: Each. Per dozen. Per $1.00.
  - 05 10 25
  - 40 40 2.50
- Striped and Variegated: 05 40 2.50
- Scarlet and Red Shades: 05 35 1.80
- Yellow Shades: 05 40 2.50
- White and Light Shades: 05 60 3.25
- All Colors Mixed: 05 75 1.25

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 dozen, 40c; per 100, $2.50.

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. Ea., 10c; 3 for 25c; per dozen, 50c.

MADERIA VINE ROOTS.

The Madera Vine is a popular and favorite tuberous-rooted climber of rapid growth, with dense and beautiful foliage, twining at a great height. Strong tubers; ea., 6c; 3 for 15c; per dozen, 50c.

CINNAMON VINE ROOTS.

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.

HARDY LILIES.

Plant in a well-drained good garden soil, covering the bulbs to a depth of 4 inches. At the time of planting cover on all sides of the bulbs good clean sand, after which all up with ordinary soil.

- Auratum—Golden Band-ed Japan Lily: Large bulbs; ea., 15c; per dozen, $1.75.
- Speciosum Album: White Japan Lily; ea., 25c; per dozen, $2.25.
- Speciosum Roseum: Rose spotted Japan Lily; ea., 20c; per dozen, $1.70.

CALADIUM ESCULENTUM.

"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, $3.85; second size bulbs, by mail, 20c; per dozen, $2.25.

DAHLIAS.

They delight in a deep rich soil and thorough cultivation, and should be planted three and one-half to four feet apart.

- Bon-Ton: A fine ball-shaped flower of a deep garnet red; sometimes tipped and streaked with white.
- Frank Smith: Rich dark maroon. Generally tipped with pure white, shading into pink.
- Glory De Lyon: Pure white. The largest white dahlia in cultivation, almost round as a ball.
- Grand Duke Alexis: A magnificent dahlia of the largest size. Its petals are beautifully quilled, giving it a very unique appearance. Its color is pure white if slightly shaded, but overspread with delicate lavender when grown in bright sunlight.
- Lottie Eckford: Pale pink ground, streaked and mottled with red.
- Lydia Dieter: A beautiful soft lavender shade. One of the most attractive colors in the collection.
- Orine Emerson: A very handsome flower, borne on long stems. Color, rich, dazzling red, shaded light.
- Pioneer: The nearest approach to a black dahlia of any yet introduced.
- Purple Gem: Rich, royal purple, clear and constant. This is a show variety and a decided improvement over the old varieties. A first-class flower.

Strong roots, each 15c; $1.50 per dozen, post-paid.

Dahlias. "Frank Smith."

Dahlias. "Grand Duke Alexis."
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. When the seed order is made up, we would like you to include some bulbs and plants also.

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 mail bags, no complaint has ever reached us with regard to the size of the plants. The instances have been rare when packages went astray or arrived other than in good order.

Postage paid at prices given we mail all plants (except such as from their size or otherwise are unamenable, and so stated) and prepare the postage, thus making delivery to your postoffice—often to your door.

Plants mailed at any time.

How to Order

We would consider it a favor to have orders for plants written either on the back of our order sheet or on a separate slip. When mixed up among seeds a delay is caused in the execution of your order.

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 for plants to be sent later in the season, at any time up to June. Please be careful to state on 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.

If the weather be unfavorable for mailing, we reserve the right to hold the order until plants can be expected to travel in safety from danger of freezing.

Hybrid Perpetual Roses.

All at 10 cts. each; 6 for 50 cts.; dozen, $1.00, Postpaid.

All the roses included under this class are thoroughly hardy; that is, they will live through winter in almost any part of the United States. The flowers are of large size, and of the most beautiful colors from pure white to the darkest shade of crimson. Their blooming season is in June and July. The 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 is on these the flowers are borne.

Alfred Colomb.—Crimson, large, fragrant flowers.

American Beauty.—Flowers very large and double; color, rich crimson; very fragrant.

Anna de Diesbach.—Bright carmine; sweet.

Baron De Bonstettlin.—Blackish crimson with bright red shading.

Caprice.—A striped red rose; ground color, soft pink marked with rose.

Coquette De Blanches.—White, tinged with pink; free-flowering.

Coquette Des Alps.—White, tinged blush; fine.

Fisher Holmes.—Rich, velvety crimson, large and fragrant.


Gen. Washington.—Red, shaded with crimson; flower flat.

John Hopper.—Bright rose; fine form. A highly prized variety.

John Keyser.—Reddish maroon; strong grower; flowers of fine shape and freely produced.

Any of the Above at 10 cts. Each; 6 for 50 cts.; Dozen, $1.00, Postpaid.
EVER-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, profusion, brilliancy and exquisite fragrance of flowers. They combine the valuable characteristics of both the Teas and Hybrid Perpetuals, inasmuch as 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; in the North they will be benefited if given slight protection.

Varieties marked * are Hardy or nearly so, with protection of leaves or straw in winter.

*Agrippina.—Rich crimson; good bedder.

*Bon Silene.—Noted for the size and beauty of its blooms. Carmine-red, shaded with salmon.

Bride.—Perfect globular, point-ed 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 color.

*Caroline Marniesse.—A continuous bloomer, pure white, slightly tinted with pink.

Catharine Mernet.—Silvery pink, delicately shaded in center and at base amber and fawn.

*Champion of the World.—A cross between Magna Chama and Hermosa. Perfectly hardy, Deep rose pink.

Clothilde Soupert.—Fine for outdoor, and by many considered the very finest pot rose; color, a pearly white, with center of tined yellow.

*Etoile De Lyon.—Deep yellow, double and very beautiful.

*Hermosa.—Bright rose, medium or small; hardy. It is continually in bloom; not very popular.

Kalserin Augusta Victoria.—Pure white with yellow center. Very free. The form of C. Mernet.

*Mme. Hoste.—Yellow white, often canary yellow; base of petals often colored. Forcing variety.

Mme. Caroline Testout.—Flower large, double and globular; clear satiny rose; very fragrant.

Marion Dingee.—Deep Carmine. Very fine bedder.

Any of the Above at 10c each; 6 for 50c; Doz., $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.

The Moss Rose is a favorite class with everyone, on account of the beautiful bulbs, which, for bouquets and cut flowers, are invaluable. They require close pruning and high culture, but ample free attention by the increased size and beauty of the flowers. They are all very hardy. The foliage is generally somewhat crimped, and has mostly seven leaves.

Blanche Moreau.—This fine variety is highly recommended; flowers produced in clusters and in large numbers, 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 Hybrid Perpetuals, and very freely and vigorously and hardy.

Princess Adelaide.—One of the best; extra-large flowers; very double and fragrant; buds beautifully mossed; color bright rose pink. Each 12c; 3 for 35c; 6 for 50c; 10 for $1.15.

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 Toscas without a purple tinge.

Mossina. (Yellow Soupert)—Color, a beautiful light yellow, shaded to white at edge of petals; pink, dwarf, bushy and very free flowering in clusters.

Niphetus.—An elegant white rose, buds of which sometimes are 4 inches long.

Papa Guimier.—Very bright rose or red, large, not double; flower extra good; forcing variety.

*Paquerette.—A 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 strong and forcing Tea, by which all others are compared.

Pink Soupert.—This is a beautiful pink, its golden pink color contrasts finely with the other varieties; blooms freely and produces double blossoms.

*Princess Bonnie.—Crimson, petals streaked white inside.

*Safrano.—Saffron and apricot-yellow, large semi-double, beautiful in bud; very free.

*Soulve. De La Malmaison.—Flesh shaded fawn; large, very full. Half free.

Soulve. De President Carnot.—Long bud of Niphetus shape; flesh color, shaded with rose, white at the edge of the petals.

Sunset.—A richly golden color, elegantly shaded with a dark red-dyed crimson.

Any of the Above at 10c each; 6 for 50c; Doz., $1.00; Postpaid.

NEW CLIMBING MOSS ROSE.

“Cumberland Belle.”

The Only Climbing Variety in Existence.

This is the forerunner of a new race of Roses, a grand true Climbing Moss Rose. It is of American origin, having been found growing in a private garden in the historic Cumberland Valley—a sport, from that pretty Moss Rose Princess Adelaide, itself a strong vigorous grower which is wonderfully developed in the offspring. In the first season having attained a height of over fifteen feet and had one hundred and eighteen buds and flowers on it at one time. Color is bright shalvery rose; flowers double and very fragrant. Each 20c, 3 for 50c, 6 for 90c, 10 for $1.40.

La France (Pink La France).—The sweetest of all Roses, perfect, full, globular flowers; silvery rose, passing to pink; hardy and a constant bloomer. 15c 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. A great favorite. 15c each.

Augustine Guinnoissee (White La France).—Large, pure white, fragrant flowers. 15c each.

Madame Vlysset (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. 15c each.

For 35 cts. we will send, postpaid, one strong plant each of the Red, White, Pink and Striped La France Roses offered above.
CLIMBIIKG 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.; 6 for 75 cts.; dozen for $1.25, 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 waxy. 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.

Tennesse Bell. Rosy blush.

Mary Washington. Pure white.

All the above have double, sweet-scented flowers and will live through the winter outdoors.


ROSE COLLECTIONS.

Roses for the Millions. You can have Loads of Roses.


Postpaid.


NO ORDERS FOR ROSES ACCEPTED AFTER JUNE 1st.
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 graceful window climber, bright green feathery foliage, as fine as the finest silk or lace. The tendrils 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 SPRENGERII.

(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 decoration. 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 but little care and keeps on growing, fresh and green, year after year.

Each, 15 cts.; 3 for 35 cts.; dozen, $1.25, postpaid.

COLEUS.

We offer a very fine variety of Coleus and they are delicate colors very hard to describe the various tints.


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.

Any of the above, each, 8 cts.; 3 for 20 cts.; dozen, 75 cts., postpaid.

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.

Each, 10 cts.; 3 for 25 cts.; dozen, 90 cts., postpaid.

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.

FUCHSIAS.

No class of plants are more graceful and elegant than the Fuchsias. 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.

Gigantea. The tube and sepals carmine; corolla a beautiful shade of light magenta.

Mrs. E. G. 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 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 dried and stored in a dry place in a temperature of 50 to 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.
Allemania. Salmon and golden yellow, large flowers. 6 to 7 ft.
Austria. Pure canary yellow, very large open flowers. 6 to 7 ft.
Beaute Poltevine. 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. 5/8 ft.
Duke of Marlborough. Velvety maroon, very dark. 3 1/2 ft.
Florence Vaughan. Very large, bright yellow flowers, dotted with scarlet. 4 ft.
Madame Crozy. Crimson scarlet, bordered with golden yellow. 3 1/4 ft.
Philadelphia. Large crimson scarlet flowers; one of the best. 3 ft.
Queen Charlotte. Orange scarlet, deeply edged with canary yellow. 3 1/4 ft.
Rose Unique. Beautiful rosy pink; a vigorous grower. 5 ft.

CARNATIONS.

Bon Ton. Bright, warm scarlet, large, deeply fringed, fragrant flower 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 cleanliness, great freedom and continuity of bloom.
Each, 10 cts.; 3 for 25 cts.; dozen, 85 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, 2 1/4 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 3 1/2 inches across.
Wm. Scott. Bright pink, one of the most productive large flowered pink Carnations.
Each, 10 cts.; 3 for 25 cts.; dozen, 85 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 flower 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 Dean. An immense pink variety; finely incised; petals broad, shell-shaped. One of the largest.
Major Bonannou. 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.
Mives. A grand, snow white variety; center irregularly incising 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.; 85 cts. per dozen, postpaid.
Four Color Collection of Chrysanthemums, Pink, Red, White and Yellow, our selection of varieties, for 25 cts., postpaid.
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 $1.25 postpaid. Large plants, each, 50 cts.; 3 for $1.25; dozen, $5.00; not postpaid.

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 Andre. 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.

Madame Baron-Veillard. 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 deadly white. Its fragrance resembles that of Magnolia.

All of the above (1 year old plants) each, 15 cts.; 3 for 35 cts.; dozen, $1.25, postpaid.

HONEYuckle.

Some of our friends have conceived the idea of planting Honeysuckles along the division fences, and it is 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.


Scarlet Trumpet. Bright red trumpet-shaped flowers; bloom very freely the entire season.

Each, 12 cts.; 3 for 35 cts.; dozen, $1.00 postpaid. Large, field-grown plants, each, 25 cts.; 3 for $1.00; dozen, $3.50; not postpaid.

BIGONIA. (Trumpet Creeper.)

For covering unattractive places, stumps, rockwork, or planting in crevices in rock the Bigonias 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, etc., 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.
WERNICH

HARDY ORNAMENTAL SHRUBS.

No Orders Accepted after the 15th of April.

Mailing Size Plants Sent Postpaid Direct From Greenhouses.

DEUTZIA.
Small-flowered shrubs noted for their freedom of bloom and rapid growth. Through their blooming season, entire limbs are thickly studded with flowers.
Crenata. 4 to 6 feet. White tinged with rose.
Gracilis. 2 to 3 feet. Pure white, very profuse.
Each, 12 cts.; 3 for 35 cts.; dozen, $1.00 Postpaid.

ELEAGNUS LONGIPES.
One of our most shapely and beautiful shrubs. 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 35 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 35 cts.; dozen, $1.00 Postpaid.

HONESYuckle.
Nothing prettier than this shrub when in bloom, and should be better known. 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. "May" strain.
Red Tartarian. A very popular shrub for the garden.
White Tartarian. Differs in color of flowers only.
Each, 12 cts.; 3 for 30 cts.; dozen, $1.00 Postpaid.

HYDRANGEA.

(Paniculata Grandiflora.)
BLOOMS FROM AUGUST UNTIL MIDDLE OR LATE OCTOBER.
Each, 10 cts.; 3 for 40 cts.; dozen, $1.00 Postpaid.

FIELD-GROWN PLANTS BY EXPRESS.

At Purchaser’s Expense.

Direct From Nursery.

Honeysuckle, pink or white. 2 to 3 ft. Each 35c.
Hydrangea Grandiflora. 2 to 3 ft. Each 50c.
Lilac, purple or white. 2 to 3 ft. Each 35c.
Snowball. 2 to 3 ft. Each 35c.
Spirea, Bumalda. (Rose.) Each, 50 cts.
Weigila. 2 to 3 feet. Each, 50 cts.

HARDY HERBACEOUS PLANTS.

For Permanent Planting in Garden Borders, Cemetery Plots, Etc.

No Orders Accepted after the 15th of April.

ACHILLES.

The flowers are borne in the greatest profusion the entire summer. A very showy shrub when mature. Pure white.

ANTHEMIS TINCTORIA.

One of the best yellow-flowering perennials. A continuous bloomer, succeeding in the poorest soil, withstanding both wet and dry weather.

COREOPSIS LANCEOLATA.

Begins to blossom in June and continues in flower until cut down by frost. The blossoms are of graceful form; a rich golden yellow color.

DICENTRA SPECTABILIS.

(Bleeding Heart.)

One of the finest plants known for borders, pots or for planting in any situation. It is noted 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 open ground in April and May.
Each, 15 cts.; 3 for 35 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 2 feet; flowers are golden yellow; golden yellow, about 2 inches; and white.

FIELD-GROWN PLANTS BY EXPRESS.

At Purchaser’s Expense.

Direct From Nursery.

Bleeding Heart. (Dianthus) Each, 50 cts.
Iris. (Fleur de Lis.) In colors. Each, 25 cts.
Paeonies. White, Pink and Red. Each, 25 cts.
Rudbeckia. (Gold Hem.) Each, 25 cts.
Yucca. (Adam’s Needle.) Each, 50 cts.

SPECTRUM.

A strong vigorous growing shrub that can be used to the best of advantage either for single lawn specimens or for masses with other varieties.
Candida. Light green foliage, snow white flowers.
Floribunda. Dark crimson flowers, freely produced.
Rosa. Large rose-colored flowers.
Variegata. Leaves green, with a broad, distinctly defined margin of white around each. Blush Color.
Each, 12 cts.; 3 for 80 cts.; dozen, $1.00, Postpaid.

SYRINGEA.

Double White. A variety with partially double, very fragrant flowers.
Aurea. (Gold.) Has golden yellow foliage.
Each, 12 cts.; 3 for 30 cts.; dozen, $1.00 Postpaid.

LILY OF THE VALLEY.

One of the most popular plants. Flowers are pure white. Succeeds well in almost any situation, but prefers shade with plenty of moisture.

IRIS.

The National flower of France and a great favorite. A species of very strong habit, will thrive anywhere under all conditions, if supplied plentifully with water. July.

German. Broad leaved, grows about 2 feet high.
Japonica. Narrow leaved. Very large, and a profuse bloomer. Each, 10c; 3 for 25c; dozen, 90c.

YUCCA FILAMENTOSA.

A stately, tropical-looking plant; evergreen, the stem rising to 10 or 12 feet, four branches, from the tuft of narrow, lanceolate leaves, creamy-white bell-shaped flowers.

FIELD-GROWN PLANTS BY EXPRESS.

At Purchaser’s Expense.

Direct From Nursery.

Scillas. (Common Snowball.) The old-fashioned shrub. Each, 12 cts.; 3 for 30 cts.; dozen, $1.00 Postpaid.
Plicata. (Japan Snowball.) A new variety, very pretty. Each, 15 cts.; 3 for 35 cts.; dozen, $1.00 Postpaid.

SPIREA.

Aurea. Bright golden yellow foliage, small white flowers.
Billardi Rosens. Lovely rose colored flowers, blooms profusely.
Prunifolia. (Bridal Wreath) Double, pure white flowers, borne profusely.
Anthony Waterer. A dwarf variety; color, a bright crimson.
Blue Spirea. A new creation; color, a rich lavender blue.
Each, 12 cts.; 3 for 35 cts.; dozen, $1.00, postpaid.

SYRINGA.

Double White. A variety with partially double, very fragrant flowers.
Aurea. (Gold.) Has golden yellow foliage.
Each, 12 cts.; 3 for 30 cts.; dozen, $1.00 Postpaid.

WEIGELIA.

A strong vigorous growing shrub that can be used to the best of advantage either for single lawn specimens or for masses with other varieties.
Candida. Light green foliage, snow white flowers.
Floribunda. Dark crimson flowers, freely produced.
Rosa. Large rose-colored flowers.
Variegata. Leaves green, with a broad, distinctly defined margin of white around each. Blush Color.
Each, 12 cts.; 3 for 80 cts.; dozen, $1.00, Postpaid.
ORNAMENTAL TREES.

Trees for Street Planting.

American Linden or Basswood. A rapid growing, large sized, beautiful native tree, with large broad leaves and fragrant flowers, suitable for either street or lawn planting. 6 to 8 feet, 50 cts. each; 8 to 10 feet, $1.00 each.

American Elm. This tree is noted for its graceful-ness, beauty and majesty. It is of rapid growth and very desirable for street and park planting. 6 to 8 feet, 50 cts. each; 8 to 9 feet, 75 cts. each; 9 to 10 feet, $1.00 each; 10 to 12 feet, $1.50 each.

Ash-leaved Maple. (Box Elder.) A small native tree. Maple-like in its seeds and ash-like in its foliage; of spreading habit and rapid growth. 6 to 8 feet, 35 cts. each; 8 to 10 feet, 50 cts. each; 9 to 10 feet, 75 cts. each.

Carolina Poplar. The best poplar grown, pyramidal in form and robust in growth; leaves large, glossy, pale to deep green. Very rapid grower, suitable for lawns or street planting. 6 to 8 feet, 25 cts. each; 8 to 10 feet, 50 cts. each; 10 to 12 feet, $1.00 each.

Norway Maple. A native of Europe. A large, handsome tree, of spreading, rounded form, with broad, dark green, shining foliage. Its compact habit and stout, vigorous growth render it one of the most desirable trees for the street, park, or lawn. 6 to 8 feet, 75 cts. each; 8 to 9 feet, $1.00 each; 9 to 10 feet, $1.50 each; 10 to 12 feet, $2.00 each.

Silver Maple. Of rapid growth, large size and irregular rounded form. Foliage bright green above, slivery white underneath. Tree very hardy and easily transplanted. Valuable where quick shade is wanted. 6 to 8 feet, 25 cts. each; 8 to 10 feet 50 cts. each; 10 to 12 feet, $1.00 each.

White Ash. A well known native tree, valuable for timber and shade. 6 to 8 feet, 50 cts. 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, 15 cts. each, $1.50 per doz.; $10.00 per 100, 18 to 24 inches, 25 cts. each, $2.50 per dozen, $15.00 per 100, 2 to 3 feet, 35 cts. each, 30.00 per dozen, $20.00 per 100, 3 to 4 feet, 50 cts. each, $4.00 per dozen, $30.00 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, 35 cts. each; 3 feet, 50 cts. each.

Scotch Pine. A very noble and rapid grower: tree has strong, erect shoots and glossy green foliage. 2 to 3 feet, 35 cents each; 3 to 4 feet, 50 cents each.

Austrian Pine. Tree of very large growth, with long, stiff leaves and dark green foliage. 2 to 3 feet, 35 cts. each; 3 to 4 feet, 50 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 24 inches, 50 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 or any other purposes. 12 to 18 inch, 15 cts. each, $1.25 per dozen, $8.00 per 100. 18 to 24 inches, 20 cts. each, $2.00 per dozen, $10.00 per 100. 2 to 2½ ft., 25 cts. each, $2.50 per dozen, $12.00 per 100. 3 feet, 30 cts. each, $3.00 per dozen, $18.00 per 100.

TREES FOR LAWN.

Bechtel'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. 4 to 5 feet, $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 or 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; 8 to 9 feet, 75 cts. each; 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 either street or lawn planting. 5 to 6 feet, $1.00 each; 8 to 9 feet, $1.50 each.

Mountain Ash. A fine hardy tree. Head dense and regular; covered from July till winter with great clusters of bright scarlet berries. 6 to 8 feet, 50 cts. each; 8 to 9 feet, 75 cts. 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; 7 to 8 feet, 75 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; 8 to 10 feet, $2.00 each.

WEPPING 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, present a combination of attractions rarely met with in a single tree. 5 to 6 feet, $1.00 each; 6 to 8 feet, $1.50 each; 8 to 10 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 $1.00 is $1.50.

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, 50 cts. each.

Weeping Russian Mulberry. The most graceful and hardly 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 hardest 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 6 feet, 50 cts. each.
No Charge for Packing

NURSERY STOCK

SPRAYING FOR PROFIT.
A New Book
By Howard Evans Weed, Entomologist
The most practical illustrated work on the subject.
Every Farmer, Gardener, Florist and Fruit Grower should have it. Price 20 cts., in coin or stamps.

We supply six at dozen, twenty-five at one hundred rates.

Packaging and delivery to railroad depot or express office free of charge. For
light shipments we advise express; larger quantities or heavy packages generally
save by express. Purchaser pays transportation charges.

We shall be pleased to quote prices on different sizes, larger quantities, or other nursery stock than herein named. In
corresponding, please state definitely size and number required.

PEARS.

While we do not recommend pears for general cultivation, there are many localities where they do well, and
some localities do very well in fall and winter sorts, a few trees. The following are among the most reliable:

Our Stock is First-Class. 6 to 7 feet high. 57 cts. each; $3.50 for 5 dozen; $4.75 per dozen.

Flemish Beauty.—A large, beautiful, melting sweet pear. Hardy
and vigorous. September and October.

Wilder's Hybrid.—Fruit is of good quality when thoroughly ripe. Valuable for either table or market. Does not
ripen well. Tree in itself is very ornamental and a great bearer. Early.

Montmorency.—Larger than the Richmond and about 10 days later.

Late Morelo.—Large and juicy, dark red, very rich. Productive and
profitable.

CHERRIES.

Money and lots of it in cherries. Demand always greater than supply of this delicious fruit. The following
are all well tried and selected sorts:

Selected Trees. 4 to 6 feet. 55 cts. each; $3.75 per doz.

Early Richmond.—Medium size, melting, juicy and of acid flavor. Exceedingly productive; good for cooking.

Montmorency.—Larger than the Richmond and about 10 days later.

Late Morelo.—Large and juicy, dark red, very rich. Productive and
profitable.

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profitable.

PLUMS.

A profitable market fruit of easy cultivation and sale. The following
are all well tried and selected sorts:

Fine healthy trees. 5 to 7 feet. 55 cts. each; $3.75 per dozen.

Forest Garden.—Large, yellow, turning to light red. Productive and
of good quality.

Wolf.—Medium size, fine for cooking. A free stone. Tree, good grower,
delicious.

Hawkeye.—Very large, color light mottled red, flesh yellow, juicy and pleasant. Tree, very vigorous.

De Soto.—At the head of the list for hardness, size and productive-
ness. Ripens in September and is of excellent quality. The best for the Northwest.

CRAB APPLES.

Early and annual bearers, hardy and ornamental. 5 to 7 feet high. 35 cts. each; $3.50 per doz. $24.00 per 100.

Weaver.—Very large, averaging 1½ to 2 inches in diameter. Skin smooth and glossy. Color green striped with
crime. Ripe the latter part of August.

Transcontinental.—Extremely productive. Red and yellow.

Sweet Russet.—Large, green, russet with a faint blush. One of the best for eating and cooking.

Burbank.—Large, nearly globular. Cherry red; flesh orange yellow and sweet.

Hyslop.—A good keeper. Fruit in clusters. Dark red in color. Good for cooking.

Lombard.—Quite large, violet red, flesh yellow, juicy and sugary. A great bearer.

Moore's Arctic.—An eastern product; large cropper, medium size, purple.

Abundance.—Tree, a strong and handsome grower, thrifty and hardy. Commences bearing young and
abundantly. Shape, oblong; skin, bright red; flesh, yellow. Ripens in August.
Transplanted

Those marked "P," are perfect in blossom and can be planted alone or are suitable to plant with the Pestilote to make them bear.

Those marked "I," have imperfect blossoms and must have some of the perfect blossom varieties planted with them, viz: large rows of the Perfect to two rows of the Imperfect.

Crescent.—"H." Medium size, very productive. Good color and fair quality, early.

Burt.—"P." Very productive, berries unusually firm, ripening early.

Warfield.—"I." A good shipper of rich color, large size, fine shape and good flavor.

Jessie.—"P." Fruit very large, quite firm, good color and excellent quality. Early.

Bubach.—"I." Fruit large, very red and ripens all over. Good flavor. Midseason.

Heder Wood.—"I." A very desirable berry for either home or market use. Early.

Raven.—"I." Fruit large, bright red, very firm and ripens all over. Early.

Lovett.—"P." A fine grower, heavy bear, good colored large berries. Midseason.

Prepaid, 25 cts. per doz., $1.00 per 100, $5.00 per 1000.
Not Prepaid, dozen, 20 cts.; per 100, 60 cts.; per 1000, $4.00.

GRAPES.
Extra Strong Two-Year.

If planted by a fence or building, set plants 8 feet apart. For vineyard, make rows 8 feet apart.

Concord.—A large purplish black grape, ripening about the middle of September.

Worden.—A splendid black sort of the Concord type, but earlier and larger in bunch and berry.

Delaware.—"One of the finest." Bunch small, compact shouldered and berries small.

Niagara.—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 doz., $11.50 per 100.
Not Prepaid, 20 cts. each, $1.85 per doz., $10.00 per 100.

BLACKBERRIES.
Extra Strong Plants.

Of easy cultivation. Plant in good rich soil in rows 5 feet apart and 3 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.

Ancient Briton.—Berries large and sweet and sells well in market. Very popular.

Prepaid, 6 for 40 cts., 75 cts. per doz., $3.00 per 100.
Not Prepaid, 6 for 35 cts., 60 cts. per doz., $1.50 per 100, $8.00 per 1000.

Orders for Fruit Plants should reach us by April 1st.
INSECTICIDES, FUNGICIDES AND FERTILIZERS.

Bordeaux Mixture. A good remedy for fungus diseases. Price, 1 qt. can (makes 50 gallons spray), 20c. Cannot be
prepaid.

Fir Tree Oil. Insecticide for green
house and house plants, especially
mealy bugs, aphids, thrips, lice, and
green aphids, and other sucking in-
sects. Per qt. 35c. Cannot be sent by
mail.

Flour Sulphur. For destruction of
mealy bug, scale, etc.—Prepared, 1 lb.
not prepaid, 10c; 5 lbs., 40c.; 10 lbs.
60c.; 25 lbs., $1.25; 50 lbs., $2.50; 100
lbs., $4.75.

Grafting Wax. 1/4 lb., 15c; 1/2 lb.,
40c., postpaid.

Wheat Paste. Especially prepared
for use on roof of all kinds, all
snaking insects, either on plants or
animals. Price, qt., 35c. Cannot be
sent by mail.

Kerosene Emulsion. Prepared ac-
cording to the most approved formula;
ready for use by simply adding 1/2 to
1 quart of water to one of Emul-
sion. For cabbage worm, scale on
trees, caterpillars, melon louse, green
fly and other of all kinds, all
snaking insects, either on plants or
animals. Price, qt., 35c. Cannot be
sent by mail.

Paris Green. Applied as a powder,
which should be mixed with plaster or
flour, 100 parts to 1 part of Paris Green,
in 1 part of solution mix 1 lb. in 200 to 300 gallons of
water. Price, 3/4 lb. package, 15c.; 1 lb.
package, 25c.; 5 lb. package, $1.00; 100
lb. bucket, $5.50; 100 lb. keg, $18.00.

Persian Powder. For worms, flies,
aphids, and almost all kinds of insects it is
effectual, suffocating them by
filling up the breathing pores.
Prep., Not
paid Prepaid
1 lb. paper carton, per-
furred top............ $0.25..... $0.10
1 lb. tin canisters, per-
furred screw top..... $0.35..... $0.20
5 lb. pkgs., cannot be sent by mail.. $0.30
10 lb. pkgs., cannot be sent by mail.. $0.50
In bulk, per bbl., 225 lbs. ......... $0.40

Sulpho-Tobacco Soap. Quickly ex-
termimates all insect life on plants and
flowers, in and out of doors. Unpar-
spassed for rose bushes. For a cheap, ef-
ficent, clean and harmless Insecticide
for Flower and Professional (Growers
this is unexcelled. It also acts as a
valuable fertilizer, reviving plant life.
2 oz. cake, sufficient for 4 gallons
prepared solution, 10c; mailed postpaid,
18c; 8 oz. cake, sufficient for four gallons
prepared solution, 20c; mailed postpaid,
28c; 10 lb. cake, sufficient for 80 gallons
prepared solution, $3.00. Cannot be sent
by mail.

Tobacco Dust. One of the best rem-
edies of green and black aphids, fleas
beetles, for house plants and all kinds
of ornamentals. Prepaid, per lb., 25c; not
prepaid, lb., 10c; 5 lbs., 45c; 10 lbs.,
70c; 25 lbs., $1.25; 50 lbs., $2.50; 100
lbs., $3.75.

Whale Oil Soap. Makes an excellent
wash for trees and plants where insects
and pests affect the bark, and for smear-
ing on the trunks of trees to prevent
worms from crawling up.

1/2 lb. air tight box........... $0.08
1/2 lb. air tight box........... $0.08
1 lb. air tight box............. $0.15

FERTILIZERS.

Darling's Celebrated Flower
Grower.—This is an article which we
put up especially for house plants. Small
pkg., 4c.; large pkg., 25c.; by
postpaid, small, 20c.; large, 35c.

Walker's Excelsior Plant Food.
An odorless and perfectly soluble food
for house plants. A lb. is specially pre-
pared for 25 ordinary-sized plants for one year.
1 lb., 25c.; by mail, 40c.; 1/2 lb. pkt., 15c.; by
mail, 20c.

"Brownie Brand" Bone Meal.—
For use on flowers. It is the pure bone
meal turned. Per lb. box, 25c.; by
mail, 40c.

Japanese Palm Food.—An odorless
fertilizer, specially prepared for palms,
rubber plants and ferns. It will produce
a luxuriant foliage of rich texture.
Per lb. box, 40c.

Land Plaster. Bbl. (225-235 lbs.),
$2.00. Do not sell less than one bbl.

Pulverized Tobacco Special Ma-
nure, for Lawns and Vegetables.
—An odorless chemical dressing which
does not convey any disagreeable
smell. It introduces seeds of obnoxious
weeds. Per 10 lbs., 50c.; 25 lbs.,
$1.00; 50 lbs., $1.50; 100 lbs.,
$2.50; 200 lbs., $5.50; 500 lbs.,
$10.00.

Bone Meal.—Guaranteed pure bone.
It is ground fine and is an excellent
top dressing for lawns, grass lands,
farm and field crops; also for mixing
with potting soil. 5 lbs., 20c.; 10 lbs.,
30c.; 25 lbs., 60c.; 50 lbs., $1.10; 100
lbs., $2.50; 200 lbs., $5.00.

Darling's Chicago Brand Ma-
nure.—Benefits all field crops, promotes
maturity and affords nourishment to the
tire growing season. Use 2 to 300 lbs.
per acre. Analysis ammonia, 2 to 3 per
cent, available phosphoric acid, 8 to
10 per cent; total phosphoric acid, 10
to 12 per cent, and actual potash, 2 to
3 per cent. Per 5 lbs., 20c.; 10 lbs., 35c.; 25
lbs., $1.00; 50 lbs., $3.00; 100 lbs.,
$7.50; 200 lbs., $28.00.

Pulverized Sheep Manure.—Excell-
et for mixing with the soil for green-
house plants—one part manure and six
parts soil. Strew over and dig into the
vegetable garden or placed directly in
drills or hills. It promotes a rapid, stead-
y growth until maturity. For
liquid manure, 1 gallon of water
will make a liquid which can be used
weekly. Strew daily if necessary. Per
5 lbs., 15c; 10 lbs., 25c.; 25 lbs.,
50 cts.; 50 lbs., $2.00; 100 lbs.,
$1.50; 500 lbs., $5.25; 2000 lbs.,
$18.00.
The increasing demand for Poultry Supplies and the growing importance of this department of our business necessitates the issuing of a Special Supply Catalogue which we will be pleased to mail to all who write for it. Mailed free.

A Chick can't grow or a Hen lay unless you give them the proper materials, with which to make bone, muscle or eggs.

The following named foods supply the material for the growing bird and the laying hen.

Poultry Supplies.

POULTRY FOODS AND GRITS.

If by mail 10 cts. per lb. extra.

**Crushed Oyster Shells**. Fed to Poultry to supply the essentials in the formation of the egg. Per 10 lbs. 10c; 25 lbs. 20c; 100 lbs. 65c.

**Raw Bone Meal**. This is fed to Poultry to aid in digesting their food. Per 10 lbs. 15c; 25 lbs. 25c; 100 lbs. 75c.

**Sprayed Bone**. Made from fresh green bone, with the moisture and grease taken out. This is one of the best egg producers. Per 5 lb. 20c; 10 lb. 35c; 25 lb. 75c; 100 lb. 2.15.

**Broiler Teeth**. Made of one-thousand, one-third bone, and one-third grit. These most essential foods towards making shell. Mixed and ready to be fed. Per 5 lbs. 15c; 10 lbs. 20c; 25 lbs. 40c; 100 lbs. $1.35.

**Grits**. Essential food. Aids in digestion of the crop and blood and regulates the bowels of Poultry. Per 5 lbs. 40c; 10 lb. 75c; 25 lbs. $1.50; 100 lbs. $5.00.

**Shells**. Broken and mixed with the live grit to animals, cooked and ground and nearly odorless. Fed in mash. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. $2.25.

**Dried Blood**. This is deodorized and very high in digestibility. Conceded to be the best egg producer on earth. Per 5 lbs. 30c; 10 lbs. 50c; 25 lbs. $1.00; 100 lbs. $3.75.

**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.

**Rutte's Poultry Mixture**. Contains Albumen, Beef Meal, Ground Shells, Sunflower Seeds, Iron, Red Pepper, Ginger, and Oil, all carefully mixed and ground. A protein food for Poultry. Per 5 lbs. 30c; 10 lbs. 50c; 25 lbs. $1.25; 100 lbs. $4.00.

**Chamberlain's Chick Food**. Contains over 20 varieties of domestic foods, also meat, bone, and grit. The only dry feed for little chicks made. Try it. Per 5 lbs. 20c; 10 lbs. 40c; 25 lbs. 90c; 100 lbs. $2.50.

**F. T. C. O. Poultry Feed**. A perfect feed for little chicks, particularly adapted for the most critical period of little chicks. A special ten days food tending to make little chicks healthy and vigorous. Per 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 75c; 100 lbs. $2.00. Use as this is the first food, no matter what food is fed. Per 10 cts. 5 lbs. 40c; 15 lbs. $1.10; 60 lbs. $4.20.

**Puritan Chick Food**. Positively check the mortality so prevalent in broods of young chicks. Per 5 lbs. 20c; 10 lbs. 40c; 25 lbs. 75c; 100 lbs. $2.50.

**Cut Clover**. This is specially prepared for food for Poultry. Fed in mash. It makes hen lay. Made from second crop pea green clover. Per 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 75c; 100 lbs. $1.25; 100 lbs. $2.00.

**Grenadier Meal**. A grade feed prepared on scientific principles for fattening Poultry for market. Write for booklet, "Poultry Fattening Perfected," which we mail free to those who are interested. Per 10 lbs. 15c; 25 lbs. 25c; 100 lbs. 65c.

**Ground Poultry Feeds**. Made in four brands for Poultry. For specific use, write for booklet, "Poultry Chick Feeds," No. 2. Growing Chick Feeds, No. 3. Feeding Chick Feeds, No. 4. Egg and Feather Producing Feeds. All are balanced and ready to feed. For description of these brands write for booklet, "The Science of Poultry Feeding." Price, any brand, per 1/2 lb. 3c; 1 lb. 10c; 2 lb. sack 25c; 5 sacks $9.50; 10 sacks $18.00; 25 sacks $43.75. A 2 lb. sack contains enough to feed 700 hens one day.

Egg foods and powders.

Lee's Egg Maker. "Fifty Foods for One Cent," as this is popularly known, has yet to find its equal. Contains 50 per cent blood meal and 50 per cent split, roots and herbs. Per 2 1/2 lb. pack. 25c; by the case 55c.

Eggsclum. 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 35c.

Conkey's Egg Food. Helps moulting 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. Per 1 lb. pkg. 25c; by mail 40c; 3 lb. pkg. 50c; by mail $1.00.

Wilmot in Parvo Powder. A sure cure for cholera, roop and all diseases known to Poultry. 1 lb. pkg. 20c; by mail 25c; 1 lb. pkg. 35c; by mail 50c.

Madac Gape Cure. An effective remedy for gapes. Will cure the worms to lose their power and the chick regain its strength. 6 oz. tin can 20c; by mail 25c; 15 oz. tin can 35c; by mail 55c.

Hen-Tone. A preventative of disease. A teaspoonful of Hen-Tone is put with chicken feed to make it thoroughly. Of this solution you put one teaspoonful in each gallon of drinking water. Per box 25c; by mail 30c.

Conkey's Roup Cure. Cures Roup in all its form. It is put in drinking water and the chicken takes its own medicine. Small package makes 25 gallons medicine; 50c package a large package makes 75 gallons medicine, $1.00 postpaid.

Roupino. Cures Roup, Canker, Catarh, and all colds in all feathered stock. Per box, 50c postpaid.

Scabicide. Cure for chicken pox, chicken pox, pinched combs, 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.

Not Post.

Prepaid, paid.

Lambert's Death to Lice. 5 oz. box. $0.10 $0.15

Lambert's Death to Lice. 15 oz. box. $0.20 $0.25

Lambert's Death to Lice. 48 oz. box. $0.50 $1.00

Lambert's Death to Lice.100 oz. box. $1.00 $2.00

Lambert's D. to L. Special. 4 oz. box. $0.12

Lambert's D. to L. Special. 16 oz. box. $0.25

Lee's Insect Powders. 20 oz. box. $0.25 $0.50

Imperial Louse Killer. 16 oz. box. $0.25

Conkey's Louse Killer. 16 oz. box. $0.25

Liekil. 16 oz. box. $0.25

LIQUID INSECTICIDES.


Lambert's Liquid Lice Killer. $0.35 $0.50 $1.00

Sprague's Insect Killer. ..... $0.65 $1.00

Lee's Liquid Lice Killer. ..... $0.35 $0.50 $1.00

Dandy Lice Killer. ..... $0.30 $0.50 $1.00

SPRAUGE'S FLY BOUNCER

Sprague's Fly Bouncer is guaranteed to do the work. It instantly drives away Flies, Mosquitoes and Insects from any animal sprayed with this magic liquid. Cows will feed quietly all day and give one-third more milk. Stock Cattle will fatten better and larger profits realized. Will prevent the Gaddly from striking sheep and causing Grub in the Head. It is economically and easily applied with any Atomizing Sprayer. Per 1/2 gal. $1.00; 1 gal. $1.50; 5 gal. $7.00; 10 gal. $12.00.
POULTRY SUPPLIES.

ABSOLUTELY FREE

To all who ask for it we will mail our large 40 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.

<table>
<thead>
<tr>
<th>Width of Netting</th>
<th>Per Roll of 150 feet</th>
<th>Width of Netting</th>
<th>Per Roll of 150 feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 inches</td>
<td>$0.80</td>
<td>48 inches</td>
<td>$3.00</td>
</tr>
<tr>
<td>18 inches</td>
<td>$1.15</td>
<td>54 inches</td>
<td>$3.40</td>
</tr>
<tr>
<td>24 inches</td>
<td>$1.50</td>
<td>60 inches</td>
<td>$3.75</td>
</tr>
<tr>
<td>30 inches</td>
<td>$1.90</td>
<td>72 inches</td>
<td>$4.50</td>
</tr>
<tr>
<td>36 inches</td>
<td>$2.25</td>
<td>84 inches</td>
<td>$5.25</td>
</tr>
<tr>
<td>42 inches</td>
<td>$2.65</td>
<td>96 inches</td>
<td>$5.60</td>
</tr>
</tbody>
</table>

Width of Netting:
- 48 inches
- 54 inches
- 60 inches
- 72 inches
- 84 inches
- 96 inches

Per Roll of 150 feet:
- $3.00
- $3.40
- $3.75
- $4.50
- $5.25
- $5.60

ROOT CUTTER.
Thompson's No. 7........... $5.00
Humphrey.................. $12.00
Gem. On long legs......... $9.00
Gem. On short legs........ 8.00

CLOVER CUTTER.
Wilson. For Bench......... $3.50
Wilson. On Iron Stand..... 5.75

BONE MILL.
Wilson. On Bench........... $3.50
Wilson. On Iron Stand..... 5.75

GRIST MILL.
Wilson. On Bench........... $3.50
Wilson. On Iron Stand..... 5.75

GRIT BOX.
Sanitary.................. $0.90

DRINKING FOUNTAINS.
Sanitary. 1 Gallon........ $0.50
Sanitary. 2 Gallons....... $0.75
Sanitary. 8 Gallons....... $1.00
Sanitary. 1 Gallon........ $0.50
Sanitary. 2 Gallons....... $0.50
Sanitary. 8 Gallons....... $1.00

CORN SHELLERS.
Champion.................. $2.00
Feeder Pans.
Hallock. 1 Gallon......... $0.75
Hallock. 2 Gallons........ $1.00
Hallock. 8 Gallons........ $1.25

WIRE HEN'S NEST.
1½ in. mesh, each 15c; dozen $1.50

WERNICH'S EGG CASE.
With Patent Fasteners...... $0.38

EGG CARRIERS.
Humpty Dumpty.
Size, 6 dozen, each 25c, dozen $2.75
Size, 12 dozen, each 35c, dozen $3.25

Sanitary Fountain.
Von Culin Incubators.  
MOST PERFECT MADE.

THESE INCUBATORS HAVE A REPUTATION NEVER EXCELLED BY ANY OTHER MAKE.

INCUBATOR CATALOGUE FREE. WRITE FOR IT

Below we give a short description of the Von Culin Incubators. In fact it is not necessary to write a story about these machines. Their good points speak for themselves, and the hundreds of testimonials prove the manufacturer's claim to have the best Incubator made.

The "Simplified" Incubator

Realizing the demand for a good, reliable and practical incubator at a low price, we are offering such a machine. It has double packed walls, same thickness as the "Perfected" Incubator (with the exception of the front, which is only three inches) inside and outside doors, the same style thermostat as used in the "Perfected," hydrometal lamp, wicks, trays, thermometers, egg tester, etc., everything is complete and ready for hatching. Heater is full size of egg chamber and the letter is same depth as in the "Perfected," but has no Nursery. It can be used with or without moisture. They are made in three sizes, 60, 100 and 200 Egg Capacity. They are not toys, like most of the cheap grades of Incubators now on the market, but are practical machines and will do satisfactory work.

MADE IN THREE SIZES.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Approximate</th>
<th>F.O.B.</th>
<th>F.O.B. Milwaukee</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 Eggs</td>
<td>12.5 lbs.</td>
<td>$7.00</td>
<td>$8.00</td>
</tr>
<tr>
<td>200 Eggs</td>
<td>100 lbs.</td>
<td>10.00</td>
<td>11.00</td>
</tr>
<tr>
<td>500 Eggs</td>
<td>400 lbs.</td>
<td>18.00</td>
<td>20.00</td>
</tr>
</tbody>
</table>

The "Perfected" Incubator

A perfect machine carefully and skillfully made of the best materials, the lumber selected and dry-killed. The heat conductors are encased in mineral wool, one of the best non-conductors of heat and fire-proof: no air space is left around them. They are fastened in place with fire-proof cement and the lamps are metal and non-explosive. The Von Culin Incubators have double and packed walls 6 inches thick, requiring about one-third the amount of oil to complete a hatch that it does with other Incubators. These thick walls protect the egg chamber from changes of the outside atmosphere. The heater is full size of the egg chamber, thus giving uniform temperature in all parts. The egg trays are so arranged that all kinds of eggs can be placed in them.

NURSERY BELOW THE EGG TRAY.

Chick trays in the Nursery receive the chicks as they dry off, and they remain in the Nursery below until the hatch is completed; thus it is not necessary to open the Incubator after eggs begin to hatch until finished. The Regulator is positive and reliable, and every one carefully tested. The Regulator or Thermostat is located in the egg chamber and connected to levers on top of incubators, as shown in the illustrations. These levers are metal and have caps or covers on the ends which open or close, the heat escapes directly over the lamp or lamps. Heat is distributed by the lamp or lamps through heat fins into the heater at different points, thus insuring uniform heat in the egg chamber. The acknowledged proper heat for hatching is about 103 degrees, and these machines are so regulated that when it reaches 102, the cap or caps begin to raise, and when it reaches above 106 degrees, they raise high enough to allow the heat from the lamps to escape direct and not enter the heater until the temperature gets down to 103 again, when they gradually close and the heat all goes into the heaters, where it is drawn towards the center by an equalizer inside the heater. This system works so perfectly that it is impossible to do heat or chill the egg chamber. The ventilation is so arranged that any amount of fresh air can be introduced into the egg chamber at will. These incubators are made with or without moisture. There is an inside and outside door, each having double glass with an air space between the glass. Each door closes into a rabbeted frame with air space between them. The lamp brackets are simple and safe. The thermostat is permanently fixed in the egg chamber, but may be quickly removed if necessary. The outside parts of Regulator are especially fitted and carefully packed in a box when shipped. Every Incubator sent out is complete, ready to start, excepting oil for lamps.

MADE IN THREE SIZES.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Approximate</th>
<th>F.O.B.</th>
<th>F.O.B. Milwaukee</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 Eggs</td>
<td>225 lbs.</td>
<td>$15.00</td>
<td>$15.25</td>
</tr>
<tr>
<td>288 Eggs</td>
<td>500 lbs.</td>
<td>25.00</td>
<td>27.50</td>
</tr>
<tr>
<td>460 Eggs</td>
<td>700 lbs.</td>
<td>33.00</td>
<td>38.25</td>
</tr>
</tbody>
</table>

Full Directions Sent With Each Incubator.
The Compartment Incubators are made with from two to four compartments of 120 eggs to each compartment. Each compartment is an entirely separate incubator, each having a separate regulator and may be operated separately, all at one time, or at different times. When one has a variety of fowls and wishes to set the eggs separately, or when a limited number of fowls are kept, one may fill a compartment at different times, making it necessary to keep the eggs three weeks. With two a compartment, eggs may be put in each compartment every ten days, a three compartment every seven days, and a four compartment every five days. Where one operates several large incubators, a compartment incubator is very handy to finish out the last part of the hatch of the larger machines, which will enable one to save time in filling the larger incubator again. Where one has a variety of eggs, they may assort the white eggs from the dark eggs, the thick shell from the thin shell, and put each in separate compartments, thus making it possible to better supply ventilation or moisture as the case may require, according to eggs, climate, season or location in which the incubator is placed. The above illustration shows our Four Compartment Machine, which is practically Four—Perfected 120 Egg Size incubators in one, each compartment separated from the other by double pitched walls, making an entirely separate incubator. The Two and Three Compartment Machines are built the same way. These are the finest machines made at any price.

### Three Sizes.

<table>
<thead>
<tr>
<th>Total Capacity</th>
<th>Approximate Weight</th>
<th>Prices</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 Eggs</td>
<td>500 lbs.</td>
<td>$30.00</td>
</tr>
<tr>
<td>360 Eggs</td>
<td>700 lbs.</td>
<td>42.00</td>
</tr>
<tr>
<td>480 Eggs</td>
<td>900 lbs.</td>
<td>54.00</td>
</tr>
</tbody>
</table>

At prices quoted f. o. b. Milwaukee we will prepare to send any station in the U. S. east of the Mississippi River.

### Von Culin Indoor and Outdoor Brooders

#### INDOOR BROODERS.

An Indoor Brooder is one that is intended to be used in a poultry house, room or outbuilding, but requires no other than that supplied by its own heater.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Factory</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 Chick, without Run</td>
<td>45 lbs.</td>
<td>$3.50</td>
</tr>
<tr>
<td>50 Chick, with Run</td>
<td>75 lbs.</td>
<td>$4.75</td>
</tr>
<tr>
<td>100 Chick, without Run</td>
<td>100 lbs.</td>
<td>$5.00</td>
</tr>
<tr>
<td>100 Chick, with Run</td>
<td>175 lbs.</td>
<td>$7.00</td>
</tr>
</tbody>
</table>

Indoor Brooders with or without runs can be converted into Outdoor Brooders by putting tops or roofs on them. We can supply them or they can be made at home.

#### OUTDOOR BROODERS.

The Outdoor Brooder is one that may be used outdoors, being a house and brooder combined. The illustration shows the Brooder with covered Run. Brooder can be bought separately, or with run. We give price with and without.

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Factory</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 Chick, without Run</td>
<td>50 lbs.</td>
<td>$4.00</td>
</tr>
<tr>
<td>50 Chick, with Run</td>
<td>85 lbs.</td>
<td>$4.50</td>
</tr>
<tr>
<td>100 Chick, without Run</td>
<td>150 lbs.</td>
<td>$7.00</td>
</tr>
<tr>
<td>100 Chick, with Run</td>
<td>250 lbs.</td>
<td>$9.00</td>
</tr>
</tbody>
</table>

Outdoor Brooders and Runs can be converted for indoor use by simply removing roofs.

### BROODERS IN FLAT.

All wood parts cut, ready to put together. Flannel ready to tack on. Heater made. Lamp, Metal Chimney, Hinges, etc., to complete Brooder. Sold only in lots of six or more at prices given below.

<table>
<thead>
<tr>
<th>Size</th>
<th>Indoor</th>
<th>Outdoor</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 Chick</td>
<td>$15.00</td>
<td>$21.00</td>
</tr>
<tr>
<td>100 Chick</td>
<td>$24.00</td>
<td>$36.00</td>
</tr>
</tbody>
</table>
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 34 inches, inside measurement, giving a brooder room 34 x 34 inches and a play room 34 x 34 inches. It is built of the best material and paper lined. The Hover is made of galvanized iron, 28 inches in diameter by 15 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 hover 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 hover 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 in a steady stream 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 hover 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 5 inches square is placed just under the outer edge of the hover (leaving a place 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 hover 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 is glass down the center 12 x 24 inches, furnishing sunlight and leaving 12 inches shade on each side and 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.

THE CHAMPION BROODER.

A perfect Brooder, strongly made of good lumber, tongued, grooved and planed on both sides. The roof is sloping, slanting to the rear and is painted with a high priced durable weather and water-proof roofing paint. It has double doors between which a stream of fresh, warm air, is constantly flowing, thus ensuring a warm and dry upper floor for the chicks and effectually insulating the brooder floor and chicks from the severest winter weather. The system of heating is perfect and different from other brooders. The heat is distributed in all parts of the hover equally, there are no cold corners or hot center. The ventilation is extremely simple and perfect.

Price, $8.00. Weight, f.o.b. factory, 200 lbs. N.Y. Milw. Champion Brooder ......... 100 $8.00 $7.75
Champion Brooder with run
way (see picture) ....... 5.75 6.50
Champion Brooder with run
way and yard on legs .... 135 6.50 7.25

Combination Champion
Brooder & Brooder House. 200 10.00 11.50

WHITELASH AND PAINTING MACHINE.

RIPLEY'S WHITELASH AND PAINTING MACHINE. USED AND EN-
DORSED 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 Whitelashing Machines ever placed on the market. By using this machine every crevice and corner which cannot be reached with a brush can be thoroughly painted or whitelashed at the same time, saving a great deal of labor and expense. Whitelashing and painting is a dread task 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 solution thoroughly agitated. Top is removable to clean machine.

Every Machine Tested Before Leaving Factory. Sold Under a Guar-
nantee 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.), $12.75. Pre-
paid by freight, $12.75.

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 nozzles. We offer here a strainer which will do the work thoroughly.

Price, 12 in. diam., copper screen, $1.50; 10 in. diam., galvanized iron, 65 cents.
"Iron Age" Farm and Garden Tools for 1903.

Write for Special Catalogue of these Tools. Mailed free.

The "Iron Age" Garden Tools have become immensely popular, owing to their new and up-to-date construction. They are equipped with high, steel wheels, very light tubular frame, connected with malleable iron castings—really bicycle construction, and in consequence they are exceedingly light, convenient, easy to handle and very handsome in appearance.

Prepaid—Orders for these Tools or for Seeds and Tools (Seeds not prepaid unless so offered on other pages) amounting to $7.50 will be prepaid to any railroad station in the United States within five hundred miles of Milwaukee or Chicago.

No. 22 "Iron Age" 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 or 24 inches apart.

No. 15. "Iron Age" Combined Single Wheel Hoe, Hill and Drill Seeder.

Weight, Boxed, 49 lbs. Price, $10.00.

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 hoes, 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.

No. 16. "Iron Age" Hill and Drill Seeder.

Wt., Boxed, 46 lbs., Price, $7.50.

This is the same as the No. 15 excepting it his his not the attachments that appear in the illustration. It is a plain Seeder only.

No. 17. Combined Single Wheel, Hoe and Drill Seeder.

Weight, Boxed, 45 lbs. Price, $9.00.

This tool is very similar to the No. 15, minus the Hill dropping device. Sows in a continuous row only. It plows, it rakes, it opens furrows, it covers, it hills, it hoes, it cultivates.

No. 18. "Iron Age" Drill Seeder.

Wt., Boxed, 44 lbs. Price, $6.50.

Same as the No. 17 minus attachments or cultivating tools, Plain Seeder only.

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.

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 small 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.

No. 7. "Iron Age" Hill and Drill Seeder.

Same as the No. 6 minus the extra attachments. Plain Seeder only. Weight Boxed, 39 lb. Price $8.00.
No. 12—"IRON AGE" WHEEL PLOW AND CULTIVATOR.

Weight, Boxed, 20 lbs. Price, $3.00.

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, covering, 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 ACE" 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 1½ 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 ACE" SINGLE WHEEL HOE.

Weight, Boxed, 28 lbs. Price, $4.75.

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, tulips, 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 ACE" COMBINED HARROW AND CULTIVATOR.

Packed, Weight 60 lbs. Price, as in cut, $6.00.

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 ACE" HORSE HOE A ND 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 leads 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.

These Standard Garden Tools prepaid to our customers. To all railway stations in the U. S. east of the Rocky Mountains, if order for Tools, or Tools and Vegetable Seeds combined, amounts to not less than $7.50. This prepayment applies to tools only and not to other articles offered in this catalogue unless they are marked "prepaid" where described. Our central location offers us the best possible shipping advantage which we now give our customers in free delivery of these garden tools.

"Planet Jr." No. 2, Drill Seeder.

Weight, boxed, 33 lbs.

"Planet Jr." No. 1, Combined Drill Seeder and Wheel Hoe, Cultivator, Rake and Plow.

Has a complete set of cultivating tools. Used as a Drill it does perfect work. Hopper holds 1 quart, is quickly changed to cultivate and other uses.

Weight, boxed, 47 lbs.

Price $9.50

"Planet Jr." No. 8, Horse Hoe and Cultivator.

Built to withstand incredible strain, yet it is light and easy to handle. Has patent depth regulator and lever expander. Weight, 33 lbs.

Price, as in cut..................$8.00

"Planet Jr." No. 7. Similar to No. 8, except it has no depth regulator. Weight, 78 lbs..................$7.50

No. 16, Single Wheel Hoe, Cultivator, Rake and Plow.

A useful tool and identical to the No. 15, excepting that it has fewer tools. Has 1 pair Hoes, 2 Cultivator Teeth, 2 Rakes, Plow and Leaf-Lifter.

Weight, boxed, 26 lbs.

Price $5.85

No. 25, Com. Hill and Drill Seeder, and Double Wheel Hoe.

Will sow in hills or drills and drops at 4, 6, 8, 12 or 24 inches apart.

Has 11½-inch wheels. Hopper holds 2½ quarts (about 5 lbs. onion seed).

Price $13.50

"Planet Jr." No. 3.

Will sow in a continuous row, but will also drop neatly in hills either 4, 6, 8, 12 or 24 inches apart. Has a 15-inch wheel. Hopper holds 3 quarts. Weight, boxed, 51 lbs.

Price ..................................$10.50

"Planet Jr." No. 20, Fertilizer, Pea and Bean Drill.

The most perfect Tool for drilling fertilizers, Peas and Beans. Has a 20-inch wheel with broad face and runs easy. The Hopper holds ½ bushel. Weight, boxed, 64 lbs.

Price ..................................$15.00

"Planet Jr." No. 15.

Has 4, 6, 8, 12 or 24 inches aperture. Known the world over. The Sowing Cylinder holds 2½ quarts. It sows evenly whether there is much or little in the hopper...........$7.50

Fire-Fly Garden Plow.

Most useful in small gardens.

Weight, 13 lbs.

Price .......................$2.55

"Planet Jr." Harrow and Cultivator.

A useful tool, and one much liked by the gardener. Carefully made and finished. Hand levers regulate both width and depth while in motion.

Price, plain, Wt., 54 lbs..................$5.50

Price, with Wh'1, Wt., 67 lbs........6.50

Price, complete as shown in cut, Wt. 72 lbs..................$8.00

"Planet Jr." No. 11.

Has 11-inch wheels. It has the following tools: 1 pair large Hoes, 4 Cultivator Teeth, 4 Rakes and 1 pair Plows.

Weight, boxed, 38 lbs..................$9.00

"Planet Jr." No. 12, Double Wheel Hoe, Cultivator and Plow.

Same as No. 11 Wheel Hoe, only has fewer attachments. Outfit consists of 1 pair Hoes, 4 Cultivator Teeth, 2 Plows and 2 Leaf-Lifters.

Weight, boxed, 31 lbs..................$7.00
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 four 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 yards. Packed, Weight, 20 lbs. Price $2.00.

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 material, duplex value in durability and true merit, Cheaper than ever at $6.50.

Potato Digger.

Clipper, 60 lbs., price only $5.90
Hartford, 75 lbs., price only 5 75

Excelsior Steel Frame Corn Drill.

The Frame is built of steel. Wheel is made of wrought iron and cannot break. Will positively drop one grain of corn 12, 15, 18, up to 24 inches apart. Distance gauged by different seed plates. At a small cost we can furnish additional plates for planting small seeds.

Price, without Fertilizer Attachment, Weight 100 pounds 9 93
Price, with Fertilizer Attachment, Weight 115 pounds 12 25

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 seeds 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 $1.10; 3 for $3.10.

Wernich’s Horse-Hoe or 5-Tooth Cultivator.

With large Hilling Shovel, Solid Tooth and Slip Tooth. Durable and Serviceable. Weight 70 lbs.

Without Large Hilling Shovel, $3.50.

The best bargain of a serviceable tool ever offered to the farmer.

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

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 a Catalogue describing every part of this Planter.

Price, with Fertilizer Distributor $75.00
Price, without Fertilizer Distributor 65.00
No. 126. Steel and Cast Moldboard Plows.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel Plow, Intended for a light three-horse</td>
<td>$10.00</td>
</tr>
<tr>
<td>Plow. Cuts 13 to 16 inches. Weight 160 lbs.</td>
<td></td>
</tr>
<tr>
<td>Price, plain</td>
<td>$10.00</td>
</tr>
<tr>
<td>Price, Wheel and Jockey</td>
<td>11.00</td>
</tr>
</tbody>
</table>

Wood Beam, One, Two and Three Chilled Plows.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shares on No. 128 and 129 are interchang-</td>
<td>$5.90</td>
</tr>
<tr>
<td>able. Weight 50 lbs.</td>
<td></td>
</tr>
<tr>
<td>No. 129. Right-hand only. Cuts 7 inches</td>
<td>$5.90</td>
</tr>
<tr>
<td>and turns a furrow 9½ inches. Weight 65</td>
<td></td>
</tr>
<tr>
<td>lbs.</td>
<td></td>
</tr>
<tr>
<td>No. 130. Right-hand only. Cuts 1½ inches</td>
<td>$3.90</td>
</tr>
<tr>
<td>and turns a furrow 8x10 inches. Weight</td>
<td></td>
</tr>
<tr>
<td>70 lbs.</td>
<td></td>
</tr>
<tr>
<td>No. 131. A light 2-horse Plow, but can</td>
<td>$4.50</td>
</tr>
<tr>
<td>be used with a large horse. Turns a</td>
<td></td>
</tr>
<tr>
<td>furrow 8x11 inches. Weight 80 lbs.</td>
<td></td>
</tr>
<tr>
<td>Price, plain</td>
<td>$4.50</td>
</tr>
<tr>
<td>Price, Wheel and Jockey</td>
<td>5.50</td>
</tr>
<tr>
<td>No. 133. A medium 2-horse Plow. Turns</td>
<td>$4.75</td>
</tr>
<tr>
<td>a furrow 11½ inches. Weight 125 lbs.</td>
<td></td>
</tr>
<tr>
<td>Price, plain</td>
<td>$4.75</td>
</tr>
<tr>
<td>Price, Wheel and Jockey</td>
<td>5.75</td>
</tr>
<tr>
<td>No. 134. Is a two or a light three-horse</td>
<td>$4.75</td>
</tr>
<tr>
<td>Plow. Turns a furrow 8x14 inches. Weight</td>
<td></td>
</tr>
<tr>
<td>125 lbs.</td>
<td></td>
</tr>
<tr>
<td>Price, plain</td>
<td>$4.75</td>
</tr>
<tr>
<td>Price, Wheel and Jockey</td>
<td>5.75</td>
</tr>
<tr>
<td>No. 125. Is our largest three-horse Plow</td>
<td>$7.50</td>
</tr>
<tr>
<td>especially adapted to sod-plowing and heavy work. Turns a furrow 8x20 inches. Weight 215 lbs.</td>
<td></td>
</tr>
<tr>
<td>Price, plain</td>
<td>$7.50</td>
</tr>
<tr>
<td>Price, Wheel and Jockey</td>
<td>8.50</td>
</tr>
</tbody>
</table>

CLIPTURF AND STUBBLE Plows.

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Purpose.</td>
<td></td>
</tr>
<tr>
<td>Wood or Steel Beam Gauge Wheels.</td>
<td>$8.90</td>
</tr>
<tr>
<td>Reversible Thin Coulter with Clasp.</td>
<td>1.15</td>
</tr>
<tr>
<td>Reversible Steel Coulter with Clasp.</td>
<td>1.15</td>
</tr>
<tr>
<td>Fine Coulter with Bolts.</td>
<td>1.15</td>
</tr>
<tr>
<td>Foot Coulter with Clasp.</td>
<td>1.15</td>
</tr>
</tbody>
</table>

The Famous Vineyard Plow.

This is an excellent one-horse Plow for use in orchards and vineyards, but is no less useful as a general purpose one-horse plow. The handles are adjustable to swing away from trees, vines and shrubs. Another clever arrangement is the Index beam, which allows the horse to walk either in the furrow or on the land; made right hand only. Will turn a furrow 8 to 10 inches wide by 5 to 8 inches deep. Weight, principal, 85 lbs., with wheel and coulter, 98 lbs.

Plain, without wheel and coulter, with steel mouldboard chilled, side and point. 85 lbs.

Cast Points 36

Coulter, extra 1.00

Plain without Wheel or Coulter, with chilled mouldboard, landside and point 7.45

CORN SHELLERS.

Diamond No. 1, One Hole Sheller.

For hand power only. Weight, 125 lbs. Price with Fan and Feed Table, complete $5.15

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. Weight, 145 lbs. Price with Fan, Feed Table and Pulley, complete 8.625

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 colt carrier. Can be operated at from 300 to 325 revolutions of the balance wheel per minute without harm to the sheller. Wired with fan, table and pulley, 260 lbs. Price $12.00

Diamond No. 4, Two Horse 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 360 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 290 pounds.

Price, with fan, feed table, crank pulley and cob rake $13.90

Cob stacker, weight 35 lbs., add 3.20

Five foot sacking elevator, weight 100 lbs., add 8.45

Nine foot wagon elevator, weight 115 lbs., add 12.35

If sheller is to be attached by direct fumbling 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 bull wheel on the power which is to run the sheller, so we can send the proper size sprocket wheel.
Scotch Harrows.

Made out of good timber, seasoned oak, using 5/8 x 3/8 x 5 inch diamond cut point teeth, well riveted (not milled), teeth mortised in and not driven in a round hole.

48 Teeth; 2 Sections; 7 1/2 ft. cut; wt. 130 lbs. $4.00
69 Teeth; 2 Sections; 9 1/2 ft. cut; wt. 160 lbs. $5.07
72 Teeth; 2 Sections; 11 ft. cut; wt. 180 lbs. $6.08
90 Teeth; 3 Sections; 141/2 ft. cut; wt. 230 lbs. $7.60
120 Teeth; 4 Sections; 20 ft. cut; wt. 315 lbs. $10.14

Climax 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. 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 corps. 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 800 lbs. $27.00
Climax 4 Horse Power, weight 1100 lbs. $38.00
Climax 8 Horse Power, weight 1400 lbs. $66.00

Premier Broadcast Seeder.

The Strongest, Neatest and Most Compact Hand Seed Sower Made.

Seed is fed to fan wheel through an adjustable slide in such a manner as to insure an even distribution. The slide can be closed instantly; it moves freely and is constructed so that it can never break. We have 3 sizes in various open and closed round about as follows: Wheat, 50 feet; rye, 50 feet; clover, flax or millet, 40 feet; grass seed 24 to 36 feet. Full directions with each machine. Weight, packed, 5 lbs. Price, $1.00; prepaid, $1.50.
The Cyclone Kit of Tools.

For Farmers, Stockmen, Planters and Machinists.

The Home Ironworkers' Outfit.

Similar to the "Cyclone," excepting that it has a Bench instead of a Post Drill. This reduces the price to $10.00.

Packed, Weight about 130 lbs.

The Acme Hand Potato Planters.

Once over the field does the work. It plants at a uniform depth directly into the moist soil. Will plant 2 acres a day.

Acme Stick Planter. Weight, 2½ lbs. Price, 75 cts.; 3 for $2.00.

Acme Tubular Planter. Weight, 5 lbs. Price, $1.25; 3 for $3.75.

Diamond Pulley Mill.

No. 9.—Is designed to be run by belt power, and can be used with two-horse power, or as much greater power as may be available. Will grind all kinds of grain, but not corn in the ear. Uses urs 0 in. in diameter. Any boy can exchange or replace burrs 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 10 to 25 bushels per hour, according to condition of the grain and speed at which run. Heigt 3 ft., 8 in., hopper 18 in. 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 1 set of burrs $16.00 Extra burrs, 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 30 bushels per hour. Height 8 ft. 10 in., hopper 2½ in. square, pulley 9 in. 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 "KING" Double Grinder.

This mill has taken the lead where a mill of great capacity is required. Threshermen are using hundreds of them grinding from 40 to 60 bu. per hour, according to power. It is furnished with an automatic feed trough and spring flexible lever at either end to prevent breakage of the burrs. It is gotten up regardless of expense, and will suit any person wanting a first-class mill that will do big work. It is made to be run by belt power, or furnished with 8 in. pulley, 8 in. face, or 10 inch pulley, with 8 inch face. This mill is very simple, having all bearings and pieces of iron that can be damaged. Will stand up to the rigors of a heavy threshing season.

The Home Corn and Cob Mill.

The Diamond Corn and Cob Mill has a series of crushers in the heavy iron hopper. Under the crusher is a reducing process which grinds the corn and cobs to a uniform size before being delivered to the grinding burrs, thus enabling to grind corn and cobs very fine, and at the same time grind all kinds of grain, such as oats, barley, wheat and other small grain. It is constructed entirely of iron, and steel, has a heavy balance wheel, with 10 inch driving pulley with 8 inch face. The capacity depends largely on the amount of power furnished and the condition of the grain. With ten to fifteen horse power this mill will grind in good shape from 35 to 50 bushels per hour. Height 4 feet, 4 inches, width of hopper 23 inches, weight 450 lbs., diameter of burrs 9 inches. Price $41.90 Extra burrs, weight per set 10 lbs. 1 50
**Advance Iron Mower.**

The frame is cast in one piece. The gears are the fewest in number possible, and are completely covered. The pitman is attached to the knife by a ball and socket, and provision for taking up all wear of the knife is made. Steel Guard Plates are used, which can be ground without being removed from the guards.

Price, 4½ foot cut: weight 650 lbs. $37.50

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**The Advance Dump Hay Rake.**

The “Advance” Balance Dump Rake, made with twenty teeth, 4½ inches apart. It will meet the requirements of the farmer, being perfect lock lever, which can be operated with great ease, while the teeth cannot rise except when required to dump. Weight 265 lbs.

Price, 20 teeth, 8 foot, wood wheels $13.00
Price, 24 teeth, 10 foot, wood wheels $15.50
Steel wheels in place of wood wheels, add 1 50

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**Favorite Gang Plow.**

Adapted to all kinds of shallow plowing. Frame and wheels are steel, not cast iron. One lever only adjusts it perfectly, instantly and easily. The moldboards are so shaped as to give an exceptionally light draft. It plows soft or stubble, sod from two to four inches deep and stubble from three to six inches deep. Turns sand and loose soil uphill where others fail. Plows under and covers all kinds of grain. Each bottom cuts 9 inches, making a total cut of 27 inches. Weight 300 lbs.

With Cast Moldboards and Cast Shares $17.50
With Soft Center Steel Moldboards and Chilled Shares 10 90
With Soft Center Steel Moldboards and Cast Steel Shares 20 32
With all Steel Moldboards and Steel Shares 26 20

---

**Swing Table Wood Saws.**

This saw has a tilting table perfectly balanced. The saw is protected, which prevents injury to the operator. There is 3½ feet of space between saw and balance wheel, convenient to saw wood 5½ feet long into four cuts. For pole sawing an extra frame attachment is provided to support the table. Shipped right hand unless otherwise ordered; by right hand we mean saw to right of operator doing the feeding.

Weight 325 lbs. complete

With Saw Blade $24.50
Without Saw Blade 17.53
For Pole Attachment, add 2.09

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**Advance Hay Tedder.**

The Advance has two levers—one for raising and lowering the frame and the other for throwing in and out of gear. Both can be readily used by the driver from his seat without dismounting. The frame is so constructed as to float or rebend when forks strike the ground or any hard substance. Furnished with combined pole and shafts, for one or two horses.

6 forks, 8 foot swath, 500 lbs. $24.45
8 forks, 10 foot swath, 725 lbs. 26.75

---

**Combined Riding and Walking Cultivator.**

Will cultivate 2 rows Beans at once if desired, and will cultivate Potatoes planted 30 inches; shovels will hill nicely. All steel. Weight 375 lbs.

Price, with 8 teeth $24.50

We furnish two extra shields and extra long wheel spindles, for Bean cultivation, when ordered, at $3.75 extra.

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**Mead’s Common Sense Hand Power Hay-Press.**

This machine will bale anything that permits 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 48 inches. It is strongly made and with ordinary care will last a life-time. Weight of Press 480 lbs. Price $24.00 f. o. b. cars factory.

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**Sliding Table Wood Saws.**

The frame is built of seasoned wood firmly put together with wrought bolts. We can furnish this machine with balance wheel below table for sawing long poles by using an extra shaft, two shaft hangers and pulley running with a belt to the main saw shaft.

With Saw Blade, complete $24.50
Without Saw Blade 17.53
With Balance Wheel below Table, add to above price 4.75
CLIPPER CLEANER.

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, 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 .......... $18 00
Price, No. 2 .......... $25 00

The K. D. Cutter.

It has one 11-inch knife, an automatic feed, and can be changed in a moment to cut various lengths. Weight 170 lbs. Price, $11.00.

The Clipper Cutter.

This cutter is not intended to do the work of the largest horse-power cutter. When heavy corn-stalks are to be cut we recommend the Cummings No. 1 or 2, as stronger and better adapted for heavy work it has one spiral knife geared to make four cuts to one turn of the crank. Length of knife, 10 in. Weight, 130 lbs. Price, $9 39

Extra knives each, 1 05

“CREAM CITY” FANNING MILLS.

The “Cream City” is an excellent chaffer, having plenty of wind and shake. Having two sieves, 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 burdler, 1 wheat screen and grader, 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, Sieves 24 in., Weight 150 lbs. .......... $18 25
Price, No. 2 Mill, Sieves 32 in., Weight 165 lbs. .......... $22 10

Cummings Cutter No. 1.

This cutter is a hand machine of heavy duty and has three 3 1/2 in. knives. It has the upward cut, the rocking feed roller, and the power is applied directly to the knife shaft without any intermediate gearing. Length of cut 3/4 and 3/4 in. Capacity, 400 lbs. per hour.

Weight, 200 lbs .......... $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 3/4 and 3/4 in. 4 knives, 10 in. long. Capacity, from 400 to 800 lbs. per hour.

Weight, 300 lbs .......... $16 00

Cummings Cutter No. 2 1/2.

This cutter has four 10-in. knives, is intended for power, but can be run by hand. Length of cut, 3/4 and 3/4 in. Power driven, two horse. Capacity, about 2,000 lbs. per hour of dry feed. Speed, 400 to 600 revolutions per minute.

Weight, 500 lbs .......... $19 75
Crusher Attachment, Weight, 180 lbs. Extra: .. 10 00
Shredder Attachment, Weight, 150 lbs. Extra: .. 15 50

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 3/4, 3/4, 1 in. and 1 1/2; size of pulley, 14 in.; diameter, 3/4 in. face; speed 400 to 600 revolutions, power required, two horse; capacity, 3,000 lbs. dry feed per hour.

Weight, 500 lbs .......... $35 90
Crusher Attachment, Weight, 200 lbs. Extra: .. 14 50
Shredder Attachment, Weight, 200 lbs. Extra: .. 10 00
12 Foot Carrier, Weight, 300 lbs. Extra: .. 15 15

(If longer Carrier is wanted add 50c per foot.)
SMITH'S 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. Weight packed, 3 lbs.

Price .......................... $0.90

THE CANNON SPRAYER.

A new handy and simple sprayer. Just the thing to apply liquid insecticides.
No. 1. All tin, 35 cts.; by mail, 50 cts.
No. 5. Brass tank, 50 cts.; by mail, 70 cts.

THE PARK'S 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—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 ¾ full and pumping in about 10 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 2 pieces of nozzle, a fine spray is thrown direct from the stop 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. 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. Weight 7 lbs. Price .......................... $2.25

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 long enough to spray a quarter-acre of potatoes.

"Auto-Spray" is the most suitable machine for small fruits, potatoes, and for use as a Fire Extinguisher. It may be also used in spraying small orchards, and we know of one case where it was used to spray 1,200 trees in one season.

"Auto-Spray" is made in both galvanized steel and brass. We also furnish extension 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, 12 lbs. Galvanized Steel Tank, $4.50. Prepaid .................. $5.00
Brass Tank, $5.00. Prepaid ........................ 6 50

EXTENSION RODS.

Two-foot Galvanized Steel, each $0.50. Brass, each 35
Extra Elbow Correction, each ........................... 35

THE LOWELL SPRAYER.

A compressed air sprayer. Works very easy and rapid. The motion of the air keeps 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 quick or slow motion. The spray can be thrown in any direction by turning the spray cock 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 made of brass. Fully guaranteed. Weight packed, 12 lbs.
Galvanized Iron, $4.50. With fruit tree attachment, $5.00
Brass Tank, $5.50. 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 (is also made of copper), hence is capable of working under very high pressure. It will throw a fine stream over and through the leaves of trees, which is a capital mixture of extra water until material is used up. In account of its construction it is very convenient to carry. It is built strong, yet light, weighing but 7 pounds. By using an extra hose, the large body of the 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. 15. Steel, each, $3.05. By express prepaid ........................ $3.75
Galvanized Iron, each $4.25. By express prepaid .................. 4 75
No. 20. Copper, each, $6.50. By express, prepaid 7 00
Extra hose, per foot, 10cts. Coupling for extra hose each 25 cts., postpaid.
THE "PURITAN" SEPARATOR.

The Puritan Separator, holds ten gallons of milk and ten gallons of water. As will be seen by the cut, it is a cylinder within a cylinder and both in an upper-right position. The inner tank is made of extra heavy coated charcoal tin of the finest quality and lustre. The outside tanks are made only from the finest quality of soft steel, coated with pure refined Australian tin. The outside tank of galvanized iron. The inner tank has a funnel shaped bottom terminating in the faucet as shown in cut. The faucet is removable, making it easily cleaned and perfectly sanitary. There is a faucet on the side of the outside tank to drain off the water.

The tank is swung on a solid oak frame, high enough to permit an ordinary pail to be placed underneath the faucet. This swinging device enables the can to be placed in most any position for cleaning and airing, without any effect whatever.

The cover extends over the outside tank and high above the milk tank. It is a conical dome in shape and fitted with a strainer so that by turning the cover upside down, the milk can be strained while pouring into the can. This strainer disk is also removable for cleaning purposes. The slant of the cover is steep, and all dripping from steam in rising from the cooling of the warm milk and all precipitations upon the inside of the cover drips over the edge of the milk tank and into the waste pipe as it should.

This Separator does the work of raising cream in about three hours without any labor on the part of the operator. Just as long as you get your separator cleaned and ready for the next milking, that is absolutely all that the work requires. This Separator works on the theory of draining the cream by bringing the milk to a low temperature as rapidly as possible, or in short, chilling it. This extracts the cream and leaves nothing of butter fat in the remaining skimmed milk. Weight 31 lbs., Price, $7.00.

FOLDING FRUIT AND VEGETABLE GRATE.

The slats have rounded corners, are ½ of an in. hardwood, made with holes bored in each end through which is passed a 12-gauge steel wire securely fastened through hardwood pieces at top and bottom. The top pieces are ½ in. round for handles, and the bottom piece is square with the underside hollowed to fit the handle, thus preventing their sliding and damaging the contents when one is raised up the other. Just the Thing for the Gardener and Farmer.

TRIPLEX MILL.
Grinding Mill, Corn Sheller, and Dry Bone Grinder.

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<tr>
<td>0</td>
<td>¾ bu.</td>
<td>$1.40</td>
<td>$2.65</td>
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<tr>
<td>1</td>
<td>½ bu.</td>
<td>1.50</td>
<td>2.75</td>
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<tr>
<td>2</td>
<td>⅓ bu.</td>
<td>1.60</td>
<td>3.00</td>
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</table>

Butler Steel Hand Cart.

Wheels—Steel, 36 inches high and with large removable casters, easily and cheaply replaced in case of wear. Tires—Regular, 1½ inch. 3-inch as shown on No. 3 and rubber tires at extra cost. Width—Between wheels, 30 inches; 42 to out of hub, 42 inch. Axle and all frame parts Steel. Will easily sustain a load of 500 lbs. Platform—Hard Wood, 26x32 inches. Side Boards—Also Hard Wood, instantly removable, sliding in shape for handling barrels, boxes, milk cans, etc. Painting—Body, neatly striped; wheels bright enamel.

DUPLEX MILL.
A Combined Grist Mill and Corn Sheller.

<table>
<thead>
<tr>
<th>Price</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>$7.50</td>
<td>159 lbs</td>
</tr>
</tbody>
</table>

Shells corn and grinds all kinds of grain.

Where a corn sheller and a family grist mill are both required, it is much better to have them combined in one machine. The corn sheller is better because the sharpened corn shell cannot scatter and the balance wheel makes it move more efficiently. These mills are made entirely of iron and finely painted. The burrs are renewable and when worn out they can be replaced for a very small charge. Will not make flour. Not mounted on wheels.

Extra Burrs, per pair 68
Steam Feed Cookers.

Kalamazoo No. 1, Wt. 360 lbs. ......... $19.90
Kalamazoo No. 2, Wt. 430 lbs. ......... 21.10
Kalamazoo No. 3, Wt. 450 lbs. ......... 31.10

Western Conqueror Wash Machine.

So well known all over the country that description is unnecessary.
No. 2—17½x23½x10½. Wt. 65 lbs. ......... $2.75
No. 2—19½x25½x11½. Wt. 70 lbs. ......... 3.35

St. Louis Wash Machine.

The best machine in the market today. Will clean quicker, easier and more thorough than any other machine. Wt. 90 lbs. Price only ......... $6.00

Peerless Food Cooker.

Has no equal for cooking all kinds of food for Stock, Butcher’s use, Sugar making, Soap boiling, etc.
30 Gallons ......... $8.50
40 Gallons ......... 10.90
50 Gallons ......... 11.90
Coal Grate for any of the above sizes $3.25 extra.

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.

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 the 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 55 lbs. ......... 3.75
Complete, only ......... 19.25

Wagon Carts.

36 in. Metal Wheels, Box 2x3x8 in., 10 in. deep. Drop end gate. Axle 1 in. round steel. Wt. 85 lbs. ......... $6.25

Star Root Cutter.

This Cutter has steel knives. It is light running, cheap and durable. Balance wheel weighs 47 lbs. Will cut all kinds of roots fine enough for any kind of stock; it will not clog. Cuts better and finer than any other Cutter. Wt. 75 lbs., only ......... $7.50

Horse Radish and Vegetable Grater.

2-Horse Sweep. Is designed to grind corn, cobs and shelled corn. Capacity 6 to 12 bu. per hour, depending on how fast the horses walk and condition of the grain. Weight 225 lbs. ......... $16.90
Extra Grinding Rings, per pair ......... 4.00

Dry Powder Gun.

40 inches high, base 16½ x18 in., depth 20 inches, size of cutter 6½ in., weight, 75 lbs. Price, mounted ......... $8.25
Price, not mounted ......... 6.75

Acme Bail Churn.

The “Acme” is the best barrel churn made. Has been on the market many years. 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. 3.35
No. 3 29 gals. 45 lbs. 3.90
No. 4 55 gals. 60 lbs. 4.90
No. 5 85 gals. 75 lbs. 6.00
No. 6 95 gals. 110 lbs. 10.00
Pulleys 12 to 14 in. ......... 1.75
D’l Pulley fast & f’re 1.50

Olmstedt Mole Trap.

Directions for setting are cast on the frame. A tag describing habits of mole accompanies each trap.
Each, $1.50; 3 for $3.75.
"OUT O'SIGHT" TRAPS.
Traps are not Ornaments, they are absolute necessities.

MOUSE AND RAT TRAPS.

Mice in the Pantry.

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. Full instructions with each trap.

THE "OUT O'SIGHT" MOLEITRAP.

The best Mole Trap every 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 Shoeknife, 1 Peg Awl Handle, 1 Peg Awl, 1 Wrench for Peg Awl Handle, 1 Sewing Awl Handle, 1 Sewing Awl, 1 Stabbing Awl Handle, 1 Stabbing Awl, 1 Bottle Rubber Cement, 1 Bottle Leather Cement, 1 Bottle Cement, 1 Bunch Bristles, 1 Ball Thread, 1 Ball Shoe Wax, 1 pkg. Clutch Nails 4-8 in., 1 pkg. Clutch Nails 1-4 in., 1 pkg. Clutch Nails 3 in. & 6-8 in. 1 pkg. Heel Nails, 4 pairs Heel Plates, assorted sizes, 6 Harness Needles, 1 Harness and Saw Clamp, 1 box Slotted Rivets, assorted sizes, 1 Rivet Holder for same, 1 Harness and Belt Punch, 1 Soldering Iron ready for use, 1 Handle for same, 1 Bar Solder, 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 ends, gives a perfect spring with the ease of a heavy load. Color steel only 4 in. with light load, as the bolt maintains the other ends and all parts move in action. Manufactured by

No. 0 - 1,500 lbs. 27 lbs................................per set $3.25
No. 1 - 2,500 lbs. 32 lbs..............................per set 4.10
No. 2 - 4,000 lbs. 36 lbs..............................per set 4.75
No. 3 - 6,000 lbs. 40 lbs..............................per set 5.00
No. 4 - 8,000 lbs. 43 lbs..............................per set 5.50
No. 5 - 10,000 lbs. 46 lbs.............................per set 6.00
No. 6 - 12,000 lbs. 48 lbs.............................per set 6.50

In ordering, be careful to state the weight 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 Shoeknife, 1 Peg Awl Handle, 1 Sewing Awl Handle, 1 Sewing Awl, 1 Stabbing Awl Handle, 1 Stabbing Awl, 1 Bottle Rubber Cement, 1 Bottle Leather Cement, 1 Bottle Cement, 1 Bunch Bristles, 1 Ball Thread, 1 Ball Shoe Wax, 1 pkg. Clutch Nails 4-8 in., 1 pkg. Clutch Nails 1-4 in., 1 pkg. Clutch Nails 3 in., 1 pkg. Clutch Nails 6 in., 1 pkg. Clutch Nails 6-8 in., 1 pkg. Heel Nails, 4 pairs Heel Plates, assorted sizes, 6 Harness Needles, 4 pairs Heel Plates, assorted sizes, 6 Harness Needles, 1 Copy Directions.

Weight, 12 lbs., Price..........................$1 00

HARNESS MENDER.

Saves time, trouble and money. Contains:
1 Wood Lever Sewing Clamp. 1 Saddler's Round Punch.
1 Ball Shoe Thread.
1 Sewing Awl Handle.
1 Ball Shoe Wax.
1 Harness Awl for same.
1 Paper Harness Needles.
1 Package Rivets and Burrs.

All packed in a strong box, weight 10 lbs.$1 20
LADIES’ FLORAL SET.

Price, all four tools................. $0.50 By mail, $0.75
Garden Trowel .................. each, 10 By mail, $0.16
Garden Fork .................. each, 10 By mail, $0.16

Pruning Saw.

Price .................. each, $0.85 By mail, $1.10

Tree Pruner.

Pruning Shears.

Price, only ................................ $0.50
Postpaid .................................. $0.75

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.

Asparagus Knife.

Made of the best material. Will not break and warranted to last. Each, 50c; 3 for.................. $0.75

The “Bateman” Hoe.

Beveled 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 $3.00; No. 3, 8 inches, $1.25; 3 for.......... $3.25

Tomato Transplanting Hoe.

A very convenient Hoe for transplanting tomatoes or other large plants. Made of the best material, warranted to last. Each, 50c; 3 for $1.50.

EXCELSIOR HAND WEEDER.

Price .................. each, $0.10 By mail, $0.15

Imported Hammered Scythes.

Known by 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 4.80
No. 9. 34 inches. .......... Price, 1.50; 3 for 4.25

Garten Dibble.

This Dibble is not the cheap kind usually sold. Point is of the best tempered steel. Each, 35c; 3 for $1.00.

Tomato Transplanting Trowel.

Useful to transplant sweet potatoes, cabbage, etc., etc. Each, 35c; 3 for $1.00.

Garden Line Reel.

Useful to every Truck Garden or Farmer. Small, 50c; large, 75c.

Garden Line.

100 feet, braided, 65c.
No. 710, Revolving Grater.
For grating Coconut, Horse-radish, Carrots, etc.
Price only $0.45
By mail .80

No. 711, Revolving Slicer.
For slicing Apples, Saturna Potatoes, Pumpkins, Cucumbers, and other vegetables.
Price only $0.45
By mail .80

No. 36, Raisin and Grape Seeder.

No. 720, Almond Grater.
Pares thinner than any other parer. Cleans out the eyes nicely.
Price only $0.70
By mail 1.00

No. 1, Enterprise Cherry Stoner.
Pares, cores and slices the fruit perfectly.
Price only $0.60
By mail .95

No. 722, Revolving Grater.

Blizzard Powder Guns.
Holds 2 ounces of Powder. Made with a screw cap instead of a cork.
Price postpaid $0.15

Enterprise Sausage Stuffer, Fruit and Lard Press.

Enterprise Fruit, Wine and Jelly Press.

Coffee and Spice Mill.

Potato Parer.

Will not choke up. Price only $0.80
By mail $1.30

Rubber Plant Sprinkler.

Can be adjusted by Thumb-screws to adapt it to the different sizes of cherry stones.
Price, thinned $0.65

Acme Powder Bellows.

For the extermination of Insects, etc.
Price, Postpaid
No. 9 .35 .65
No. 14 .85 .85
No. 19 .75 1.05
No. 22 1.20 1.50

Apple Parer.
Pares, cores and slices the fruit perfectly.
Price only $0.60
By mail .95

Osborne Hand Cultivators.
The handiest Tool of its kind in the market, weight 7 lbs.
With Leaf Guard $1.00
Three for 2.70

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

Complete

With this Sitter one can cover 8 to 10 acres per day.
Nos. 1 2
Size, qt. 2 4
Price .35 .60
If by mail, add 15c to 2 qt., 20c to 4 qt. size.

Can be attached to all the principal sizes of Enterprise meat choppers. Easily attached. For chopper Nos. 5 10 20
Price .30 .35 .45

Farmers' Spinning Wheel.
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

Horse-radish, Beans, Beans, Beans, Beans.
WERNICH SEED CO., MILWAUKEE, WIS.

EGGS FOR HATCHING.

Our pens are mated with strictest attention to Fertility. We carry no eggs in stock at our stores, but gather those laid after receiving orders, thus insuring fresh-laid eggs. We pack with utmost care and ship by express from our yards, customers paying express charges.

BARRED PLYMOUTH ROCKS.

(American Class.)

Heads the list as the best and most popular general purpose fowl. One of the very best for trime, excellent layers, good sit-
ters and mothers, excellent foragers and as handsome as they are good. The head and comb are of medium size, the latter being single; broad back and breast. The legs are yellow. The body color is of a grayish white with parallel bars of blue black crossing each feather regularly.

Price, 1 Setting, 15 Eggs, $1.75
Price, 2 Settings, 30 Eggs, 3.25
Incubator Eggs, $8.00 per 100

BLACK LANGSHANGS.

(Asiatic Class.)

America's latest acquisition from Asia. Their breast is full, broad and rounded and carried well forward, showing plenty of meat. They are one of the best table fowls and are among the best winter layers of large eggs. Their plumage is a rich metallic black. The color of the legs and skin is against them as a market fowl, but their other good points keep them well to the front in popularity. Cocks and hens weigh 10 and 8 pounds each at matur-
ity.

Price, 1 Setting, 15 Eggs, $1.75
Price, 2 Settings, 30 Eggs, 3.25
Incubator Eggs, $8.00 per 100

LIGHT BRAHMAS.

(Asiatic Class.)

This breed almost weigh like turkeys. A splendid table fowl, a good layer, does not suffer much from severe cold, and make good broilers. They bear confinement well and while they are considered good foragers on a farm, they are a superior fowl to keep on a city or village lot. A three foot fence will keep adult Brahmas. They reproduce themselves remarkably true.

Price, 1 Setting, 15 Eggs, $1.75
Price, 2 Settings, 30 Eggs, 3.25
Incubator Eggs, $8.00 per 100

WHITE PLYMOUTH ROCKS.

(American Class.)

A New England production. The honors belong to O. F. Frost of the state of Maine, who about ten years ago secured the first stock from his Barred Rocks which sported some white birds. From the specimens practically sprang the family now so popular and which are coming farther to the front every day. Having a plump, full breast, and a bright lemon yellow skin, they possess good characteristics for table purposes.

Price, 1 Setting, 15 Eggs, $1.75
Price, 2 Settings, 30 Eggs, 3.25
Incubator Eggs, $8.00 per 100

WHITE WYANDOTTES.

(American Class.)

A deservedly popular breed, which make the earliest and finest broilers. They are very attractive, a deep, round, plump body, small neat rose comb, rich red wattles and brown and bright yellow shanks. They are great winter layers, laying a large brown egg just at the season of the year when eggs are scarce and high and the smaller breeds have suspended business until warmer weather.

Price, 1 Setting, 15 Eggs, $1.75
Price, 2 Settings, 30 Eggs, 3.25
Incubator Eggs, $8.00 per 100

SINGLE COMB WHITE LEGHORNS.

(Mediterranean Class.)

This is the "Business Hen." They are non-setters, their business is to lay eggs. They are unequalled as egg producers. Easiest chicks to raise. The chicks are hardy and lively and almost before you know it they are full combed. To appearance, no handsomer flock of fowls can be found. What they lose in size, in comparison with the big breeds as a table fowl, they more than make up as layers. They are good foragers.

Price, 1 Setting, 15 Eggs, $1.75
Price, 2 Settings, 30 Eggs, 3.25
Incubator Eggs, $8.00 per 100

Thoroughbred Poultry and Pigeons.

We will not attempt to list stock because so much depends upon the quality, size, color, variety and ances-tors, all of which governs price in value, that it is necessary to quote each pen or specimen separately. Please describe your wants and if we have anything to suit, we will name you prices.
Rough-Coated Scotch Collies.  
A DOG THAT EVERY FARMER NEEDS.

The Rough-Coated Collies are, perhaps, the most sagacious of all animals of the canine race. Besides being the necessary friends and assistants of the shepherd and stockman, they are of great value to any farmer keeping live stock, as they need but little training before they learn to drive and herd sheep, cattle, horses, and even pigs. They are splendid watch dogs, being very courageous and quick of hearing; they are and have been for some time the most popular of companions and house dogs, and well deserve their place. Apart from his great beauty, his heavy coat, finely chiseled head, bright eyes and symmetrical build, the Collie's devotion to his master and fondness for children are sometimes almost human. "There is no breed of dogs with such a wise look as the Collie; the heavy responsibilities that rest on him give him a sedate and sonorous, or knowing look, and his whole appearance is so engaging that it is no wonder he is such a general favorite with the public, especially with ladies."

BREEDING.

Our Stud Dogs and Breeding Bitches are all pedigreed and registered in the American Kennel Club Stud-book, and in their veins runs the bluest of blue blood. All of our Puppies are furnished with pedigree, and can be registered at an additional cost of $1, which is the Club's fee.

PRICES.

Prices of Puppies largely depends upon breeding and individual specimens. We can mostly supply good males at 10 to 15 Dollars each, and females at 8 to 10 Dollars each; 18 to 25 Dollars per pair.

For extra selected Puppies we get from 15 to 25 Dollars each.

ORDERS FILLED IN ROTATION.

Improved German Household Dyes.

No lady will ever realize the satisfaction that may be obtained by the use of these wonderful Dyes for Home Dyeing, the little work connected with same and the immense saving of money, until she has had a chance to give these greatest of all package Dyes a trial.

These Dyes are the only Dyes to color wool, cotton, silk and feathers with one and the same package, and their use is the easiest ever heard of any Dyes for home use, as all thirty different shades are used alike, one as easy therefore as the other.

We have the following thirty shades always on hand and will mail one package for 10 cts., three packages for 25 cts., twelve packages for $1.00.

Each package colors one pound of white goods and from two to four pounds in proportion of goods to over-colored. One package of black colors one pound.

No. 1 Black, No. 2 Imperial Blue, No. 3 Coffee Brown, No. 4 Scarlet
No. 5 Dark Red, No. 6 Navy Blue, No. 7 Magenta, No. 8 Dark Gray, No. 9 Violet, No. 10 Dark Green, No. 11 Bismarck Brown, No. 12 Yellow, No. 13 Cardinal Red, No. 14 Olive Green, No. 15 Slate, No. 16 Steel, No. 17 Drab, No. 18 Orange, No. 19 Chamois Brown, No. 20 Claret, No. 21 Purple, No. 22 Terre Cotta, No. 23 Chinese Blue, No. 24 Turkey Red, No. 25 Bright Yellow Green, No. 26 Dark Brown, No. 27 Violet Blue, No. 28 Dark Blue, No. 29 Ponceau Red, No. 30 Peacock Green.

American Egg Dyes.

GUARANTEED TO BE FREE FROM POISON.

Each package contains 12 colors and picture designs, five of which produce bright and pretty shades, such as Green, Blue, Violet and Red, and seven are attractive designs, among which are pictures of Presidents Roosevelt and Washington, and for the real little ones, one of the prettiest Easter Pictures, a rabbit jumping the nest full of Easter Eggs, and besides this, pretty marble shades, all of which are transferable to the eggs, producing such color combinations as will

GLADEN THE HEARTS OF THE CHILDREN.

As you love the little ones, you will surely spend 5 cts. to please them. Only 5 cts. per package, one or a 100.
Original Carbolineum - Presser’s Preservative
A WOOD PRESERVING AND IMPREGNANT PAINT WITHOUT EQUAL.

Beware of Imitations.

Original Carbolineum has been in use for over twenty years and has given the best of satisfaction. It is cheaper than Linseed Oil Paint. It only comes in liquid form, remains a liquid for years, and is always ready for use. It does not evaporate and become dry like other paints.

This is the only genuine article on the market. It is manufactured by Geo. Presser, Chemist, in Gau Algesheim, Germany, with branches in Lieben Prag, Austria, and Sesto-Milan, Italy.

ITS USEFULNESS:

AS AN IMPREGNATING PAINT.

It is an excellent antiseptic impregnating and covering and the best known product for the preservation of wood and to keep brick and stone walls that are subject to dampness, dry and from becoming moldy.

For preserving all kinds of wood work it has no equal. It is an antiseptic oil stain of a nut brown color which will deeply penetrate wood when applied with a brush or sprayer. Its covering capacity makes it the cheapest and best paint for all farm buildings, such as barns, granaries, stables, silos, fences, etc.

Fence-Posts, floors, sidewalks, in fact all woodwork, whether below or above ground, will never rot or break down if coated with Original Carbolineum. Shingled roofs will never leak nor shingles rot or warp if painted with it. Troughs, tanks, cellars and cellars will always be clean and fresh if given a coat of Original Carbolineum.

DIRECTIONS FOR USING.

To gain best results, the Original Carbolineum should be slightly warmed before applied in cold weather. In summer never apply during hottest time of day. Apply with brush or sprayer.

COVERING CAPACITY.

One Gallon will cover 300 square feet dressed lumber, 1 coat. One gallon will cover 300 square feet shingle roof, 1 coat.

If a second coat is necessary, only 1/3 the quantity additional. All underground work should have two coats and care should be taken that the ends of the wood is well saturated.

PRICES CASH WITH ORDER.

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<tr>
<th>Gallons</th>
<th>Weight</th>
<th>Price</th>
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<td>1</td>
<td>8 lbs.</td>
<td>$1.00</td>
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<td>5</td>
<td>50 lbs.</td>
<td>4.50</td>
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<tr>
<td>10</td>
<td>100 lbs.</td>
<td>8.50</td>
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<tr>
<td>25</td>
<td>250 lbs.</td>
<td>20.00</td>
</tr>
<tr>
<td>50</td>
<td>500 lbs.</td>
<td>35.00</td>
</tr>
</tbody>
</table>

Prepaid by freight to all Railway Stations in Wisconsin, Iowa, Minnesota, Michigan, Nebraska, Kansas, Missouri, Illinois, Indiana, Ohio and Oklahoma.

If purchaser wishes to pay freight, 5 cents per gallon can be deducted from these prices.

SEND YOUR ORDERS DIRECT TO

WERNICH SEED CO., "AGENTS."
27 JUNEAU AVENUE, MILWAUKEE, WIS.
AVERAGE YIELD: 100 TONS
GREEN FODDER PER ACRE

TEOSINTE
PRODUCES ENORMOUS SUPPLY OF FODDER GROWS 12 FT HIGH
ONE PLANT IS CONSIDERED SUFFICIENT TO FEED A PAIR OF CATTLE 24 HOURS
PAG. 106. 72 OZ. 20½ LBS. 444 LBS.

BRAZILIAN FLOUR CORN
30 TONS CAN BE GROWN ON 40 ACRES
100 LBS. EACH STALK. 100 FROST PROOF STALKS
ONE PLANT WILL PRODUCE 30 LBS.
PAG. 104. 750 LBS. 1000 LBS. 1500 LBS.